

## APPENDIX 12.1 ACOUSTIC CONTEXT AND DEFINITIONS

### 12.1A Sound and human response

- 12.1A.1 A sound wave travelling through the air is a regular disturbance in ambient atmospheric pressure. These pressure fluctuations, when of frequencies within the audible range, are detected by the human ear which passes nerve responses to the brain, producing the sensation of hearing.
- 12.1A.2 The response of the human ear is not constant over all frequencies. It is therefore usual to weight the measured frequency to approximate human response. This is achieved by using filters to vary the contribution of different frequencies to the measured level.
- 12.1A.3 The “A” weighting network is the most commonly used and has been shown to correlate closely to the non-linear and subjective response of humans to sound. The use of this weighting is denoted by a capital A in the unit abbreviation (i.e.  $L_{Amax}$ ,  $L_{Aeq}$ ,  $L_{A90}$  etc.) or a capital A in brackets after a dB level (i.e. 3 dB(A)).
- 12.1A.4 The human ear is sensitive to a wide range of sound levels; the sound pressure level of the threshold of pain is over a million times that of the quietest audible sound. In order to reduce the relative magnitude of the numbers involved, a logarithmic scale of decibels (dB) based on a reference level of the lowest audible sound is used.

### 12.1B Noise

- 12.1B.1 Noise has been defined in a variety of ways and is very much dependant on factors such as the listener’s attitude to the source of the sound and their environment, but is essentially any sound that is unwanted by the recipient.
- 12.1B.2 It is impossible to measure the degree of nuisance caused by noise directly, as this is essentially a subjective response of the listener, but it is possible to measure the ‘loudness’ of that noise. Loudness is related to both the sound pressure (the magnitude of the maximum excursion of the pressure wave around the ambient atmospheric pressure) and the frequency, both of which can be measured.

### 12.1C Sound pressure level

- 12.1C.1 The sound pressure level (LP or SPL) is the instantaneous acoustic pressure and is measured in decibels (dB). Since the ear is sensitive to variations in pressure, rather than source power or intensity, the measurement of this parameter gives an indication of the impact on people. The SPL is defined as:

$$SPL = 10 \log_{10} \left( \frac{p^2}{p_{ref}^2} \right) \quad \text{or} \quad SPL = 20 \log_{10} \left( \frac{p}{p_{ref}} \right)$$

where:

- 12.1C.2  $p$  is the rms pressure of the sound in question (in pascals)
- 12.1C.3  $p_{ref}$  is the reference sound pressure, defined as the limit of human audibility ( $2 \times 10^{-5}$  Pa)
- 12.1C.4 **Leq**: The  $L_{eq}$  is defined as the equivalent continuous sound level and is the most widely used parameter for assessing environmental noise. Since this descriptor is a type of average level, it must by definition have an associated time period over which the

measurement is referring to. This is often included in the abbreviation in the form  $L_{eq,T}$ , where T is the time period (i.e.  $L_{Aeq, 5 \text{ min}}$ ). The formula for calculating the  $L_{eq}$  is:

- 12.1C.5 In practice, since most modern sound level meters are digital and hence take periodic samples of the sound pressure level, the  $L_{eq}$  will be the logarithmic average of all the SPL samples taken in the measurement period.
- 12.1C.6 **L<sub>max</sub>**: The  $L_{max}$  is defined as the maximum rms level recorded during a measurement period.
- 12.1C.7 **L<sub>10</sub>**: The  $L_{10}$  refers to the level exceeded for 10% of the measurement period and is widely considered as the standard index to describe traffic noise.
- 12.1C.8 **L<sub>90</sub>**: The  $L_{90}$  refers to the level exceeded for 90% of the measurement period and is widely considered to represent background noise, or the underlying noise in an area between noisy events (such as cars passing etc.).
- 12.1C.9 **Façade**: The term ‘façade’ refers to noise levels that have been measured or predicted 1 metre in front of the most exposed window or door in a façade.
- 12.1C.10 **Free-Field**: The term ‘free-field’ refers to noise levels that have been measured or predicted in the absence of any influence of reflections from nearby surfaces. In practice, a measurement is considered to be free-field if it was taken at a distance of over 3.5 m from any reflecting surfaces.
- 12.1C.11 **L<sub>night</sub>**: The  $L_{night}$  is a façade noise index derived from the  $L_{A10,18h}$  index using TRL conversion method.
- 12.1C.12 **L<sub>night,outside</sub>**: The  $L_{night,outside}$  is defined as the free-field A-weighted long-term average sound level of the 8-hour night-time period determined over all nights of a year outside a property.

## APPENDIX 12.2 LEGISLATIVE AND POLICY BACKGROUND

### 12.2A National Networks National Policy Statement (NNNPS)

- 12.2A.1 The National Networks National Policy Statement (NNNPS) was published in January 2015 and sets out the government's vision and policy against which the Secretary of State will make decisions on applications for development consent for nationally significant infrastructure projects on the strategic road and rail networks.
- 12.2A.2 Noise and vibration is referred to in paragraphs 5.186 to 5.200.

### 12.2B National Planning Policy Framework (NPPF)

- 12.2B.1 The National Planning Policy Framework (NPPF) was last published in July 2018. The document sets out the Government's planning policies for England and how these are expected to be applied. The NPPF replaced a number of topic-specific Planning Policy Guidance (PPG) notes including PPG 24 'Planning and Noise'.
- 12.2B.2 **Paragraph 170** of Chapter 15 states that the planning system *"should contribute to and enhance the natural and local environment by... preventing new and existing development from contributing to, being put at unacceptable risk from, or being adversely affected by, unacceptable levels of soil, air, water or noise pollution or land instability. Development should, wherever possible, help to improve local environmental conditions such as air and water quality, taking into account relevant information such as river basin management plans;..."*
- 12.2B.3 **Paragraph 180** of Chapter 15 states *"Planning policies and decisions should also ensure that new development is appropriate for its location taking into account the likely effects (including cumulative effects) of pollution on health, living conditions and the natural environment, as well as the potential sensitivity of the site or the wider area to impacts that could arise from the development. In doing so they should:*
- a) mitigate and reduce to a minimum potential adverse impacts resulting from noise from new development – and avoid noise giving rise to significant adverse impacts on health and the quality of life;*
  - b) identify and protect tranquil areas which have remained relatively undisturbed by noise and are prized for their recreational and amenity value for this reason..."*
- 12.2B.4 With regards to 'adverse effects' and 'significant adverse effects' the NPPF refers to the Noise Policy Statement for England (NPSE) Explanatory Note.

### 12.2C Noise Policy Statement for England (NPSE)

- 12.2C.1 Published in 2010 by the Department for Environment, Food and Rural Affairs, the NPSE lists three noise policy aims:
- 12.2C.2 *"Through the effective management and control of environmental, neighbour and neighbourhood noise within the context of Government policy on sustainable development:*
- Avoid significant adverse impacts on health and quality of life;*
  - Mitigate and minimise adverse impacts on health and quality of life; and,*

- Where possible, contribute to the improvement of health and quality of life."*

- 12.2C.3 It sets out the long-term vision of Government noise policy as to:
- 12.2C.4 *"Promote good health and a good quality of life through the effective management of noise within the context of Government policy on sustainable development."*
- 12.2C.5 The 'Explanatory Note' within the NPSE provides further guidance on defining 'significant adverse effects' and 'adverse effects' using the concepts:
- No Observed Effect Level (NOEL) - the level below which no effect can be detected. Below this level no detectable effect on health and quality of life due to noise can be established.
  - Lowest Observable Adverse Effect Level (LOAEL) - the level above which adverse effects on health and quality of life can be detected.
  - Significant Observed Adverse Effect Level (SOAEL) - the level above which significant adverse effects on health and quality of life occur.
- 12.2C.6 The three aims can therefore be interpreted as follows:
- The first aim is to avoid noise levels above the SOAEL.
  - The second aim considers situations where noise levels are between the LOAEL and SOAEL. In such circumstances, all reasonable steps should be taken to mitigate and minimise the effects. However, this does not mean that such adverse effects cannot occur.
  - The third aim considers situations where noise levels are between the LOAEL and NOEL. In these circumstances, where possible, reductions in noise levels should be sought through the pro-active management of noise.
- 12.2C.7 The NPSE recognises that it is not possible to have single objective noise-based measures that define the SOAEL, LOAEL and NOEL that are applicable to all sources of noise in all situations. The levels are likely to be different for dissimilar noise sources, receptors and at different times of the day.
- 12.2C.8 The NPPF and the NPSE provide the concepts for defining various levels of effect, but do not translate these into actual noise levels against which a proposed development can be assessed as acceptable, acceptable with various degrees of mitigation, or unacceptable. It is up to individual Local Authorities to interpret the concepts in the NPPF and NPSE and translate them into noise level criteria to be applied in their area.

### 12.2D National Planning Practice Guidance (PPG)

- 12.2D.1 PPG sets out how planning can manage potential noise impacts in new development. It advises that planning authorities should take account of the acoustic environment and in doing so consider:
- whether or not a significant adverse effect is occurring or likely to occur;
  - whether or not an adverse effect is occurring or likely to occur; and
  - whether or not a good standard of amenity can be achieved.
- 12.2D.2 PPG states that these potential effects should be evaluated by comparison with the significant observed adverse effect level (SOAEL) and the lowest observed adverse effect level (LOAEL) for the given situation. To illustrate these thresholds and help

identify where noise could be a concern, PPG provides an example table, as shown in Table 12.2-a, of noise exposure hierarchy.

**Table 12.2-a Noise exposure hierarchy, based on the likely average response**

Perception	Examples of Outcomes	Increasing effect level	Action
Not noticeable	No Effect	No Observed Effect	No specific measures required
Noticeable and not intrusive	Noise can be heard, but does not cause any change in behaviour or attitude. Can slightly affect the acoustic character of the area but not such that there is a perceived change in the quality of life.	No Observed Adverse Effect Level (NOAEL)	No specific measures required
Lowest Observed Adverse Effect Level (LOAEL)			
Noticeable and intrusive	Noise can be heard and causes small changes in behaviour and/or attitude, e.g. turning up volume of television; speaking more loudly; where there is no alternative ventilation, having to close windows for some of the time because of the noise. Potential for some reported sleep disturbance. Affects the acoustic character of the area such that there is a perceived change in the quality of life.	Observed Adverse Effect	Mitigate and reduce to a minimum
Significant Observed Adverse Effect Level (SOAEL)			
Noticeable and disruptive	The noise causes a material change in behaviour and/or attitude, e.g. avoiding certain activities during periods of intrusion; where there is no alternative ventilation, having to keep windows closed most of the time because of the noise. Potential for sleep disturbance resulting in difficulty in getting to sleep, premature awakening and difficulty in getting back to sleep. Quality of life diminished due to change in acoustic character of the area.	Significant Observed Adverse Effect	Avoid

12.2D.3 No equivalent exposure hierarchy is presented for vibration, however, the essence of the descriptors in Table 12.2.1 is considered to apply equally to vibration as to noise.

## 12.2E Noise Action Planning

12.2E.1 Defra produced the "Noise Action Plan - Roads (Including Major Roads)" in January 2014<sup>1</sup> to address the effects of noise from major roads in England under the terms of the Environmental Noise (England) Regulations 2006. The Noise Action Plan aims to promote good health and good quality of life. In doing so it aims to identify 'Important Areas' within in England where the competent Authority should look, where feasible, to reduce noise levels.

12.2E.2 'Important Areas' have been identified and published by Defra, in the form of supporting maps, and are defined as being areas that "with respect to noise from major

roads will be where 1% of the population that are affected by the highest noise levels from major roads".

## 12.2F Noise Insulation Regulations

12.2F.1 Under the Noise Insulation Regulations 1975 (as amended in 1988)<sup>2</sup>, the relevant highways authority has a duty to offer to insulate the living rooms (which include dining rooms and studies) and bedrooms of dwellings affected by new roads and roads that have their line or level altered, if the dwellings satisfy the following criteria:

- the residential premises would be within 300 m of the new or altered highway;
- the noise level 15 years after opening would be not less than 68 dB;
- the predicted noise level 15 years after opening is calculated to be at least 1 dB above the level before work commences; and
- the improved highway would contribute at least 1 dB to the final noise level.

## 12.2G Control of Pollution Act 1974<sup>3</sup>

12.2G.1 Highways England and its contractor, whilst not bound by the Control of Pollution Act due to crown immunity, do act in the spirit of the Act. The text below describes the general provisions of the Act.

12.2G.2 Local Authorities have powers to impose requirements or restrictions on construction methods under the Act, including the type of plant to be used and permitted noise levels during specified hours. Restrictions can be imposed even if the noise levels would be below those causing a 'nuisance'. In doing so, the local authority must have regard to:

- the relevant provisions of any code of practice approved under this part of the Act;
- the need to ensure 'best practicable means' are used to minimise noise emissions; and
- the need to protect people from the effects of noise from the site.

12.2G.3 Anyone who intends to carry out construction activities is entitled to apply to the local authority for prior consent to carry out the work. The application needs to describe the works, the construction methods to be used and the steps that are to be taken to minimise noise resulting from the works. The local authority has the power to attach conditions to any consent granted and limit the length of its duration.

<sup>1</sup> Noise Action Plan: Roads (Including Major Roads), Environmental Noise (England) regulations 2006 as amended, January 2014, Defra.

<sup>2</sup> Statutory Instrument, 1988. The Noise Insulation (Amendment) Regulations 1988. HMSO.

<sup>3</sup> Control of Pollution Act, Section 60, 1974 (CoPA)



## APPENDIX 12.3 ASSESSMENT APPROACH

### 12.3A Study area

#### Noise

12.3A.1 The study and calculation areas for the noise assessment were defined in accordance with HD 213/11 – Revision 1. Firstly, the study area was defined as a 1 km boundary around the start and end points of the physical works associated with the road project, and any improved or bypassed routes as part of the Scheme. The ‘calculation area’ was then defined as all residential dwellings and other noise sensitive receptors within 600 m of the Scheme and for those roads (within 1 km of the Scheme) on the existing road network predicted to result in noise changes of 1 dB in the opening year or 3 dB in the design year.

12.3A.2 HD 213/11 – Revision 1 requires consideration beyond the ‘calculation area’ to take into account the likely noise impacts on the wider road network (considered in terms of change in basic noise level (BNL)). This is required for such roads where there is a 1 dB increase or decrease in noise in the baseline year and/or a 3 dB increase or decrease in the future assessment year in comparison with the baseline year.

#### Vibration

12.3A.3 The study area for the vibration assessment was defined as within 40 m of all roads where noise level predictions were undertaken.

### 12.3B Assessment of potential construction impacts

12.3B.1 Disruption caused during the construction phase of the Scheme has the potential to affect residents and other sensitive receptors adjacent to the Scheme. HD 213/11 – Revision 1 advises on the use of BS 5228<sup>4</sup> to assess and control noise and vibration from construction activities.

#### Noise

12.3B.2 BS 5228: 2009+A1:2014 – Part 1: Noise, contains details of construction noise prediction methods and noise levels from different types and sizes of construction equipment. It contains a database on the noise emission from individual items of equipment and activities. The standard also provides methodologies to predict noise from different types of demolition and construction activities, and suggests practical ways to mitigate excessive noise.

12.3B.3 CadnaA is a software program which can be used for calculating construction site noise, and follows the calculation methodology set out in BS 5228-1. CadnaA has been used in this assessment to calculate noise levels from the construction activities associated with each construction phase. The variables considered in the calculations comprise:

- plant type and location;
- operating times;
- local topography;

- nature of the ground cover between the site and the receptor; and
- shielding effects of any intervening structures, including allowances for limited angles of view from the site and any reflection effects from relevant surfaces.

#### Vibration

12.3B.4 BS 5228: 2009+A1:2014 – Part 2: Vibration contains guidance on vibration levels in structures. It provides a prediction methodology for mechanised construction works, such as compaction and tunnelling works, and piling works. The Standard also presents guidance for the control of vibration from construction works.

12.3B.5 Construction activities proposed which have the potential to give rise to largest levels of vibration at receptors would be associated with vibratory earthwork compacting works and percussive piling activities. Such works would be associated with the construction of structures and earthworks.

12.3B.6 Within the information that the construction contractor has provided, the Caterpillar CS 76 self-propelled was identified for use in the embankment construction team. Annex E to BS 5228-2 details the following empirical equations for deriving likely ground borne vibration levels:

- $V_{res} = K_s \sqrt{nd} \{A/x + L_d\}^{1.5}$  (Steady state).
- $V_{res} = K_t \sqrt{nd} \{A^{1.5}/(x + L_d)^{1.3}\}$  (Start up and run down).

12.3B.7  $V_{res}$  is the resultant PPV, in millimetres per second;  $K_s$  and  $K_t$  are scaling factors for the probability of the predicted value being exceeded;  $nd$  is the number of vibrating drums;  $A$  is the maximum amplitude of drum vibration, in millimetres;  $x$  distance measured along the ground surface in metres; and  $L_d$  is the vibrating roller drum width in metres.

12.3B.8 For this assessment, it was assumed, based on the data provided on the Caterpillar website<sup>5</sup> for the CS 76, that the vibratory roller would have one vibrating drum and a drum width of 2.13 m. It was assumed that the ‘High’ amplitude setting would be engaged and, therefore, a maximum amplitude of drum vibration of 1.8 mm would be anticipated. The formula in paragraph 12.3B.6 has a parameter range for the maximum drum vibration amplitude of 0.4 – 1.72 mm. The CS 76 drum vibration amplitude was slightly outside that range. Therefore, the calculated resultant PPV was an extrapolation used in the absence of other alternatives.

12.3B.9 Annex E to BS 5228-2 also details the following empirical equations for deriving the maximum groundborne vibration level resulting from percussive piling:

- $V_{res} \leq K_p \{\sqrt{W}/r\}^{1.3}$

12.3B.10  $V_{res}$  is the resultant PPV, in millimetres per second;  $K_p$  is a scaling factor for the pile condition (whether it is at refusal or not);  $W$  is the nominal hammer energy in joules; and  $r$  is the slope distance from the pile toe in metres.

12.3B.11 For this assessment, it was assumed that the piles would be at refusal, therefore  $K_p$  value is 5. Also, it was assumed that the hammer energy is 85 kJ which is the maximum value of the parameter range to be used in the formula shown in 12.3B.9. The slope

<sup>4</sup> BS 5228:2009+A1:2014 Code of practice for noise control on construction and open sites – Part 1 & 2, 2009 BSI

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<sup>5</sup> [http://www.cat.com/en\\_GB/products/new/equipment/compactors/vibratory-soil-compactors/18231252.html](http://www.cat.com/en_GB/products/new/equipment/compactors/vibratory-soil-compactors/18231252.html)

distance from the pile toe to the receiver was approximated by the horizontal distance between the two.

## 12.3C Assessment of potential operational impacts

### Noise assessment

- 12.3C.1 The assessment of noise levels at noise sensitive receptors followed the 'Detailed Assessment' methodology outlined in HD 213/11 – Revision 1. Noise levels were calculated at all residential dwellings within the Calculation Area (see Figure 12.1). Noise levels at dwellings were generally calculated at first floor level; unless the property was known to only have one floor. For single storey dwellings, and for other sensitive receptors such as churches, schools, medical facilities and outdoor areas, predictions were undertaken at 1.5 m above ground level.
- 12.3C.2 Consideration was also given to likely noise impacts on the wider road network, outside the Calculation Area. The basic noise level (BNL) changes were predicted for the affected routes outside the Calculation Area where there was a 1 dB increase or decrease in noise in the baseline year and/or a 3 dB increase or decrease in the future assessment year in comparison with the baseline year.
- 12.3C.3 The future assessment year was defined as the year within the first 15 years of opening of the scheme where traffic flows are greatest. The future assessment year was therefore usually 15 years after opening, which in this assessment was 2036.
- 12.3C.4 This assessment considered noise level changes at dwellings and other sensitive receptors according to their baseline façade noise levels (reception point 1 metre in front of the building facade). The following comparisons were made:
- Do Minimum scenario in baseline year (2021) against Do Minimum in the future assessment year (2036);
  - Do Minimum scenario in the baseline year (2021) against Do Something scenario in the baseline year (2021); and
  - Do Minimum condition in baseline year (2021) against Do Something in the future assessment year (2036).
- 12.3C.5 An assessment of night-time noise levels was undertaken in accordance with HD 213/11 – Revision 1. Therefore, consideration was given to those receptors predicted to experience a noise level change in the long-term and exposed to an  $L_{\text{night, outside}}$  noise level of 55 dB or greater in any scenario. Method 3 within TRL report 'Converting the UK traffic noise index  $LA_{10,18h}$  to EU noise indices for noise mapping' was used to determine the night-time levels ( $L_{\text{night, outside}}$ ).
- 12.3C.6 For the night-time assessment, the following comparisons were made:
- Do Minimum scenario in baseline year (2021) against Do Minimum in the future assessment year (2036); and
  - Do Minimum condition in baseline year (2021) against Do Something in the future assessment year (2036).
- 12.3C.7 An assessment has been undertaken into the potential change in noise level for a discrete time period between 05:00 – 6:00 hours. This relates to the proposed shift pattern for the IAMP One development. One hour noise level predictions were undertaken for this period ( $LA_{1hr}$ ) using one hour traffic flow data in the Do Minimum 2021 and Do Something 2021 scenario. With reference to Chapter 5, traffic flow data from traffic models Scenario TA1 for 2021 and Scenario TA3 for 2036 were used in this assessment. In terms of the noise impact, this scenario was determined, through consideration of predicted noise levels, to marginally represent the worst case of both potential traffic scenarios.
- 12.3C.8 Noise level predictions were undertaken using the CadnaA noise modelling package, which incorporates the methodology contained in the Calculation of Road Traffic Noise 1988 (CRTN). CRTN is a technical memorandum produced by the Department for Transport providing the definitive method of predicting road traffic noise in the United Kingdom. Noise level predictions take account of the following variables:
- typical weekday volumes of traffic during the eighteen hour period from 6 am to midnight (18-hour AAWT flows) – day time assessment;
  - typical weekday volumes of traffic during the eight hour period from 11 pm to 7 am – night-time assessment;
  - percentage of Heavy Vehicles (vehicles of unladen weight >3.5 tonnes);
  - traffic speeds (banded speed based on Interim Advice Note 185/15);
  - road gradient;
  - local topography;
  - nature of the ground cover between the road and the receptor;
  - shielding effects of any intervening structures, including allowances for limited angles of view from the road and any reflection effects from relevant surfaces; and
  - road surfacing type.
- 12.3C.9 HD 213/11 – Revision 1 provides updated guidance on the use of CRTN. This includes guidance on predicting noise from dual carriageways; noise reduction corrections to be applied for low noise surfacing systems; and the prediction of road traffic noise levels to 600 m from a road traffic source (CRTN provides for a prediction distance of 300 m).
- 12.3C.10 For daytime noise levels at dwellings, community facilities and other noise sensitive properties, façade noise levels were predicted whereas night-time noise levels were free-field (in the open, without any nearby noise-reflecting surfaces).
- 12.3C.11 The following road surface types have been assumed:
- DM 2021 – Hot road asphalt (HRA) for all roads within the calculation area. The exception being to the north of the Scheme, where a low noise road surface (LNRS) was assumed on the A19 and associated slip roads as part of the Testo's scheme. A section of A19 mainline has also recently been resurfaced, thus LNRS was assumed on the A19 from the A19/A1231 junction to Testo's junction. A -3.5 dB correction was applied where speeds were greater than 75 kph.
  - DM 2036 – The A19 mainline and slip roads would be resurfaced with LNRS before the future assessment year (2036), even if the Scheme doesn't go ahead. Therefore, a -3.5 dB correction was applied, where speeds were greater than 75 kph, for the entire A19 mainline and slip roads, and standard HRA for the side roads.



- DS 2021 – The slip roads associated with the Scheme would be laid using an LNRS. To the north of the Scheme, LNRS was assumed on the A19 and associated slip roads as part of the Testo's scheme. To the south of the Scheme the A19 was modelled with LNRS due to recent resurfacing (see DM 2021 assumptions above).
  - DS 2036 – The Scheme would be built with LNRS and it was assumed that the A19 mainline beyond the Scheme extent would be resurfaced with LNRS before 2036, independently of the Scheme. Therefore, a -3.5 dB correction was applied, where speeds were greater than 75 kph, for the entire A19 mainline and slip roads, and standard HRA for the side roads.
- 12.3C.12 HD 213/11 – Revision 1 provides specific guidance in relation to the noise level correction that should be applied when using LNRS for new carriageways. HD 213/11 – Revision 1 states that for the future assessment year, a -3.5 dB correction should be applied for a LNRS expected to be in place on the existing road.
- 12.3C.13 It also states that, “where new carriageways are to be constructed and a thin surfacing system [low noise surfacing] used, or where an existing surface is to be replaced with a thin surfacing system, a -3.5 dB correction should be assumed for the thin surface system [equivalent to a Road Surface Influence (RSI) of -5 dB] unless any information is available regarding the specific surface to be installed. This advice applies where the mean traffic speed is  $\geq 75$  kph (47 mph). Where the mean speed is  $< 75$  kph (47 mph), a -1 dB correction should be applied to a new low-noise surface.”
- 12.3C.14 The assumptions made for this assessment are in line with the guidance provided in HD 213/11 – Revision 1.
- 12.3C.15 It should be noted that LNRS corrections have only been applied where the traffic speed is greater than 75 kph (47 mph), in line with the guidance contained within HD 213/11 – Revision 1.

#### Noise nuisance

- 12.3C.16 HD 213/11 – Revision 1 defines the level of noise ‘nuisance’ by reference to the percentage of people in the affected population that are likely to be ‘bothered very much or quite a lot’ by traffic noise. Gradual increases in noise are expected to produce a gradual and proportionate increase in the nuisance level (i.e. the percentage of the population that is bothered). However, sudden increases in the noise level are expected to result in an initial large increase in the nuisance level. This new level of nuisance appears to persist for several years at least but, in the longer term, nuisance levels tend back towards those expected for a gradual increase in noise.
- 12.3C.17 In this assessment, noise nuisance predictions were based on the highest nuisance levels expected during the first 15 years after opening for the Do Minimum and Do Something scenario and compared to the nuisance levels of the Do Minimum baseline year (2021). In accordance with the predictive technique presented in HD 213/11 – Revision 1, an assessment of noise nuisance for all properties situated within the calculation area has been undertaken.

#### Ground-borne vibration

- 12.3C.18 HD 213/11 – Revision 1 provides guidance on ground-borne vibration from highway schemes. It states “If ground-borne vibration on existing routes is considered to be a potential problem, calculations or measurements of vibration at the foundations of typical buildings considered to be at high risk may be taken in order to establish whether increasing vibration levels would be likely to exceed the threshold values” (see Section 3.3.2 of HD213/11 – Revision 1).
- 12.3C.19 HD 213/11 – Revision 1 advises that methods are available to predict ground-borne vibration from roads<sup>6</sup>; however, it does state that this requires detailed knowledge of the ground type, which is unlikely to be readily available. The methodology also requires detailed knowledge of deviations in the road surface (holes, cracks, undulations, etc). For these reasons, this assessment provides a qualitative assessment on the likelihood of perceptible traffic induced ground-borne vibration.

#### Vibration nuisance

- 12.3C.20 Where properties are within 40 m of the carriageway, HD 213/11 – Revision 1 recommends that, for a given level of noise exposure, the percentage of those ‘bothered’ by airborne vibration is 10 % lower than the corresponding figure for noise nuisance derived from tables contained within HD 213/11 – Revision 1. Where noise levels are below 58 dB  $L_{A10,18h}$ , it should be assumed that residents would not be ‘bothered’ by airborne vibration. Consideration was given to changes in airborne vibration nuisance at all dwellings within 40 m of roads where noise level predictions have been undertaken.

### Assessment of the significance of effects

#### Construction noise

- 12.3C.21 BS 5228-1 provides two methodologies for the prediction of significance during typical construction works, based upon noise change and existing measured ambient noise levels. Method 1 applies only for residential properties, so for this assessment consideration was given to Method 2, which takes account of both residential properties and other sensitive receptors.
- 12.3C.22 Method 2 – The ‘5 dB(A) Change Method’ states that noise levels generated by construction activities are deemed to be significant if the total noise (pre-construction ambient plus construction noise) exceeds the pre-construction ambient noise by 5 dB or more, subject to lower cut-off values of 65 dB for the daytime period, 55 dB for the evening period and 45 dB from the night-time period ( $L_{Aeq, period}$ ) from construction noise alone. This applies for a duration of one month or more, unless works for a shorter duration are likely to result in a significant effect. The evaluation criteria are generally applicable for residential housing, hotels and hostels, buildings in religious use, schools and health or community facilities.

#### Construction vibration

- 12.3C.23 Vibration is a low frequency disturbance producing physical movement in buildings or to their occupants. Ground-borne vibration is usually measured in terms of peak particle velocity (ppv), which is measured in terms of movement in mm/s. BS 5228-2

<sup>6</sup> Watts, G.R. (1990). Traffic induced vibration in buildings. TRRL RR246, Transport and Road Research Laboratory, Crowthorne.

contains guidance on vibration levels in structures from construction works. It provides a prediction methodology for mechanised construction works, such as compaction and tunnelling works, and piling works. The Standard also presents guidance for the control of vibration from construction works.

12.3C.24 BS 5228-2 provides guidance on the human response to vibration. The Standard provides guidance for predicting human response to vibration in buildings. For construction works, the guidance contained in Table 12.3.1 was applicable.

**Table 2.3.1: Guidance on the human response to vibration levels from BS 5228-2: 2009+A1:2014**

Vibration Level (ppv)	Effect
0.14 mm/s	Vibration might just be perceptible in the most sensitive situations for most vibration frequencies associated with construction. At lower frequencies, people are less sensitive to vibration.
0.3 mm/s	Vibration might just be perceptible in residential environments.
1.0 mm/s	It is likely that vibration of this level in residential environments will cause complaint, but can be tolerated if prior warning and explanation has been given to residents.
10.0 mm/s	Vibration is likely to be intolerable for any more than very brief exposure to this level.

12.3C.25 For building structure response, BS 5228-2 reproduces the advice given in BS 7385-2<sup>7</sup>, which gives guidance on vibration levels that could potentially result in building damage. The response of a building to ground-borne vibration is affected by the type of foundation, underlying ground conditions, the building construction and the state of repair of the building. Table 12.3.2 reproduces the guidance detailed in BS 5228-2 on building classification and guide values for cosmetic building damage.

12.3C.26 Minor damage is possible at vibration magnitudes which are greater than twice those given in Table 12.3.2, with major damage at values greater than four times the values in the table. BS 7385-2: 1993 also notes that the probability of cosmetic damage tends towards zero at 12.5 mm/s peak component particle velocity.

**Table 12.3.2: Guidance on the effects of vibration levels on building structures from BS 5228-2: 2009+A1:2014**

Type of Building	PPV in frequency range of predominant pulse	
	4 Hz to 15 Hz	15 Hz and above
Reinforced or framed structures	50 mm/s	50 mm/s
Industrial and heavy commercial buildings		

Type of Building	PPV in frequency range of predominant pulse	
	4 Hz to 15 Hz	15 Hz and above
Un-reinforced or light framed structures	15 mm/s at 4 Hz increasing to 20 mm/s at 15 Hz	20 mm/s at 15 Hz increasing to 50 mm/s at 40 Hz and above
Residential or light commercial buildings		

12.3C.27 In significance terms, when considered in accordance with the NPSE and PPG, the LOAEL can be defined as the level above which adverse effects on health and quality of life can be detected. For construction vibration, this assessment considers a level of 0.3 mm/s ppv to represent the LOAEL, as vibrations of this magnitude are likely to just be perceptible in residential environments.

12.3C.28 The SOAEL can be defined as the level above which significant adverse effects on health and quality of life occur. As such, 1.0 mm/s ppv represents the SOAEL, as vibration of this level in residential environments is likely to cause complaint, but can be tolerated if prior warning and explanation has been given to residents.

**Operational noise – DMRB assessment**

12.3C.29 Section 3 of HD 213/11 – Revision 1 provides guidance on the magnitude of traffic noise impacts. Magnitudes of impact are considered for both the short-term and long-term. A change in road traffic noise of 1 dB (A) in the short-term, for example when a project is opened, is the smallest that is considered perceptible. In the long-term, a 3 dB(A) change is considered perceptible. The classification of noise impact, provided by HD 213/11 – Revision 1, is detailed in Tables 12.3.3 and 12.3.4.

12.3C.30 For the assessment of night-time noise impacts, HD 213/11 – Revision 1 advises that, until further research is available, only impacts in the long-term shall be considered. Therefore, the classification in Table 12.3.4 was used in this assessment for determining night-time noise impacts. In addition, HD 213/11 – Revision 1 advises only those sensitive receptors predicted to be subject to a noise levels exceeding 55 dB  $L_{night,outside}$  should be considered.

**Table 12.3.3: Classification of magnitude of noise impacts in the short-term**

Noise Change $L_{A10,18h}$	Magnitude of Impact
0	No change
0.1 – 0.9	Negligible
1 – 2.9	Minor
3 – 4.9	Moderate
5+	Major

**Table 12.3.4: Classification of magnitude of noise impacts in the long-term**

Noise Change $L_{A10,18h}$	Magnitude of Impact
0	No change

<sup>7</sup> BS 7385-2:1993 Evaluation and measurement for vibration in buildings — Part 2: Guide to damage levels from groundborne vibration



Noise Change $L_{A10,18h}$	Magnitude of Impact
0.1 – 2.9	Negligible
3 – 4.9	Minor
5 – 9.9	Moderate
10+	Major

#### Operational noise – Significance of effects

12.3C.31 For the operational noise assessment, the noise levels detailed in Table 12.3.5 were considered as the LOAEL and SOAEL in this assessment.

**Table 12.3.5: LOAEL and SOAEL noise levels**

Observed Effect Level	Period	Noise Level
LOAEL	Daytime	50 dB $L_{Aeq, 16 \text{ hour}}$ (free-field)
	Night-time	40 dB $L_{Aeq, 8 \text{ hour}}$ (free-field)
SOAEL	Daytime	63 dB $L_{Aeq, 16 \text{ hour}}$ (free-field)
	Night-time	55 dB $L_{Aeq, 8 \text{ hour}}$ (free-field)

12.3C.32 The LOAEL for the daytime period is considered to be 50 dB  $L_{Aeq, 18 \text{ hour}}$  (free-field). The Guidelines for Community Noise (WHO, 1999)<sup>8</sup> identify that 50dB  $L_{Aeq, 16 \text{ hour}}$  represents the outside (in amenity areas) day-time noise level below which the majority of the adult population will be protected from becoming moderately annoyed.

12.3C.33 An external noise level of 50 dB  $L_{Aeq, 16 \text{ hour}}$  would result in an noise level within a property of 35 dB  $L_{Aeq, 16 \text{ hour}}$  when taking account a typical reduction from an open window. WHO (1999) deems this noise level to be where moderate annoyance could occur within properties.

12.3C.34 PPG states that a No Observed Adverse Effect can be defined as “Noise can be heard, but does not cause any change in behaviour or attitude. Can slightly affect the acoustic character of the area but not such that there is a perceived change in the quality of life.” Based upon the use of the WHO Guidelines, it was concluded that external noise below 50 dB  $L_{Aeq, 18 \text{ hour}}$  would meet this PPG definition.

12.3C.35 The LOAEL for the night-time period is considered to be 40 dB  $L_{Aeq, 8 \text{ hour}}$  (free-field). This is consistent with the Night Noise Guidelines for Europe (WHO, 2009)<sup>9</sup>, which states that the night noise guideline of 40 dB  $L_{night, outside}$  ( $L_{night, outside}$  can also be defined as  $L_{Aeq, 8 \text{ hour}}$ ) is set as a LOAEL.

12.3C.36 The SOAEL for the daytime period is considered to be 63 dB  $L_{Aeq, 16 \text{ hour}}$  (free-field). This level is consistent with the ‘specified level’ in the Noise Insulation (Amendment) Regulations 1988. It shall be noted that a free-field noise level of 63  $L_{Aeq, 16 \text{ hour}}$  is equivalent to the façade noise level specified by the Noise Insulation Regulations of 68 dB  $L_{A10, 18hr}$

12.3C.37 Practically, on the worst case assumption of a closed single glazed window, an external noise level of 63 dB  $L_{Aeq, 16 \text{ hour}}$  (free-field) would result in an internal noise

level of 35 dB  $L_{Aeq, 16 \text{ hour}}$ . The WHO Guidelines for Community Noise state that at this noise level, within a dwelling, speech intelligibility is affected and moderate annoyance begins.

12.3C.38 PPG defines a Significant Observed Adverse Effect as “The noise causes a material change in behaviour and/or attitude, e.g. avoiding certain activities during periods of intrusion; where there is no alternative ventilation, having to keep windows closed most of the time because of the noise.” Therefore, where a closed window would still result in noise levels exceeding 35 dB  $L_{Aeq, 16 \text{ hour}}$ , this is considered a SOAEL.

12.3C.39 The SOAEL for the night-time period is considered to be 55 dB  $L_{Aeq, 8 \text{ hour}}$  (free-field). This noise level represents the interim noise level target presented by WHO in the Night Noise Guidelines for Europe document.

12.3C.40 Exceedance of SOAEL in itself does not result in a significant effect for any given sensitive receptor. The noise level change in the Do Something noise level, compared with the Do Minimum 2018 noise level, also requires consideration.

12.3C.41 Where the predicted noise level is above the SOAEL, it is considered that any perceptible noise increase in the short or long term has the potential to cause a significant adverse effect. Conversely, a perceptible noise decrease, where the absolute noise level is above the SOAEL, is considered to be a potentially significant benefit.

12.3C.42 The significance of the change in noise level depends both on the magnitude of change and the actual predicted noise level.

12.3C.43 Taking into account the above, and in accordance with the approach recommended by Highways England, it is considered that a potential significant effect would occur where, using best judgement:

- a 1 dB increase/decrease in either the short-term or long-term, when the resulting or existing noise level exceeds the SOAEL; or
- a 3 dB increase/decrease in the short term or 5 dB increase in the long term, when the resulting or existing noise level is between the LOAEL and SOAEL.

12.3C.44 A significant effect is considered suitable where a noise change of 1 dB for receptors exposed to noise levels exceeding the SOAEL as any deterioration or betterment at this noise level would likely result in an improvement of life. This is highlighted within the PPG (see Table 12.2.1) which states that at noise levels above the SOAEL “Quality of life diminished due to change in acoustic character of the area.”

12.3C.45 The significant effect criteria for absolute noise levels between the LOAEL and the SOAEL correlates to a ‘Moderate’ magnitude of impact as contained within HD 213/11 (see Tables 12.3.3 and 12.3.4).

#### Vibration

12.3C.46 HD 213/11 – Revision 1 advises that should the level of vibration at a receptor be predicted to rise to above a level of 0.3 mm/s, or an existing level above 0.3 mm/s is predicted to increase, then this should be classed as an adverse impact from vibration.

<sup>8</sup> Guidelines for Community Noise, World Health Organisation, 1999

<sup>9</sup> Night Noise Guidelines for Europe, World Health Organisation, 2009



12.3C.47 HD 213/11 – Revision 1 paragraph A5.26 states, “*Significant ground-borne vibrations may be generated by irregularities in the road surface. Such vibrations are unlikely to be important when considering disturbance from new roads and the assessment will only be necessary in exceptional circumstances.*” Further to this, Figure 3 from Transport and Road Research Laboratory (TRRL) Report No RR53 – Ground Vibration

Caused by Civil Engineering Works<sup>10</sup> provides a summary of measurements taken by the TRRL which indicates the relative effects of various construction related sources. This figure indicates that, for a heavy lorry on a poor road surface at 8 m, a PPV of 0.1 mm/s is expected.

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<sup>10</sup> Transport and Road Research Laboratory (TRRL) Report No RR53 – Ground Vibration Caused by Civil Engineering Works

## APPENDIX 12.4 CONSTRUCTION INFORMATION

- 12.4A.1 The Noise and Vibration chapter considered all construction activities on a daily basis. These activities were considered representative of the main construction programme. Within each of the activities, one or two different teams were assumed to be working, each consisting of a variety of plant and equipment.
- 12.4A.2 Table 12.4-a below presents the individual sound pressure level ( $L_{Aeq,T}$ ) at 10 m, in both broadband and single octave band form, for each of the plant items included in the noise and vibration assessment. Table 12.4-b then presents the 'Teams' included within each of the four scenarios considered.

**Table 12.4-a: Noise source data for each construction team**

Team Ref	Description	Quantity	% 'on-time'	BS 5228-1 Annex C Reference	OBCF <sup>1</sup> Sound Power Levels, dB(A)								Noise level at 10m L <sub>Aeq,T</sub> dB
					63	125	250	500	1k	2k	4k	8k	
<b>P1</b>	<b>Demolition</b>												
	Excavator 40T	1	90	C2.14	113	106	105	105	101	99	96	91	79
	Hydraulic crusher	1	90	C1.14	121	114	107	109	103	99	94	87	82
<b>P2</b>	<b>Drainage/utility diversion</b>												
	Excavator 20T	2	90	C2.21	103	104	100	96	93	91	85	77	71
	Sump pump	2	100	C4.88	98	93	94	92	92	91	84	74	69
	Generator	2	100	C4.85	97	97	95	88	87	88	84	81	66
<b>P3</b>	<b>Site clearance</b>												
	Excavator 20T	2	90	C2.21	103	104	100	96	93	91	85	77	71
	Chainsaw	2	50	D2.14				117.2					86
<b>P4</b>	<b>Boundary Fencing</b>												
	Agricultural tractor/trailer with auger	1	90	C4.75	121	114	104	104	101	100	92	87	79
<b>P5</b>	<b>Placing Subbase</b>												
	Cat D6LGP Tracked Dozer	1	90	C2.12	113	102	104	101	100	106	90	84	81
	CS 76 Self Propelled Roller	1	90	C2.37	100	103	109	106	102	98	91	83	80
<b>P6</b>	<b>Install kerbs &amp; gullies / safety fencing</b>												
	JCB3c	1	90	C2.8	102	94	92	92	91	88	87	78	68
	Bobcat	1	90	Bobcat T870 <sup>2</sup>				107.2					76
	Compressor (250cfm)	1	25	C5.5	112	101	92	87	85	83	86	75	66
	Road breaker	1	25	C5.3	110	103	101	96	91	95	108	97	82
<b>P7</b>	<b>Lay Blacktop</b>												
	Paver (Blaw Nox or equal)	1	90	C5.30	106	105	100	100	99	97	90	84	76
	Road sweeper	1	90	C4.90	108	103	97	103	99	95	89	86	76
	Vibratory Roller	2	90	C5.26	112	112	106	98	98	98	95	89	77
	Dead weight roller	1	90	C5.19	115	113	103	101	103	101	97	91	80
	Stihl Saw	1	90	C3.34	102	102	100	89	88	86	84	84	68
	Road saw	1	90	C3.34	102	102	100	89	88	86	84	84	68
	JCB3c	1	90	C2.8	102	94	92	92	91	88	87	78	68
<b>P8</b>	<b>Install Lamp columns</b>												
	MEWP	1	90	C4.57	106	104	90	91	88	87	86	77	67
<b>P9</b>	<b>Road Restraint System</b>												
	Hiab Lorry	1	90	C4.53	109	106	104	102	100	97	92	84	77
	Bobcat and Auger	1	90	C3.16	115	114	105	101	103	100	95	87	79
<b>P10</b>	<b>Line Marking</b>												



Team Ref	Description	Quantity	% 'on-time'	BS 5228-1 Annex C Reference	OBCF <sup>1</sup> Sound Power Levels, dB(A)								Noise level at 10m L <sub>Aeq,T</sub> dB
					63	125	250	500	1k	2k	4k	8k	
	Line marking vehicle	1	15	Bobcat T870 <sup>2</sup>				107.2					76
<b>S2</b>	<b>Bored piling (18m deep 750 dia)</b>												
	CFA piling rig (large)	1	90	C3.21	109	109	106	104	102	100	96	91	79
	Tracked mobile crane (50t)	1	10	C3.29	109	105	97	95	90	88	89	79	70
	Generator	1	90	C4.85	97	97	95	88	87	88	84	81	66
	Excavator 20T	1	50	C2.21	103	104	100	96	93	91	85	77	71
<b>S3</b>	<b>Excavation &amp; Trimming bored piles</b>												
	Excavator 20T	1	90	C2.21	103	104	100	96	93	91	85	77	71
	Pile cropper	1	50	C1.2	107	112	110	112	116	113	112	110	92
	Stihl saw	1	50	C3.34	102	102	100	89	88	86	84	84	68
	Compressor (250cfm)	1	50	C5.5	112	101	92	87	85	83	86	75	66
	Small breaking tool	2	90	C1.6	111	111	109	102	101	104	106	105	84
<b>S4</b>	<b>RC works</b>												
	Mobile crane 40T	1	90	C3.29	109	105	97	95	90	88	89	79	70
	Concrete pump	1	25	C3.25	112	104	98	99	101	101	94	86	78
	Compressor (250cfm)	1	50	C5.5	112	101	92	87	85	83	86	75	66
	Air/diesel poker	2	25	C4.34	90	98	98	92	90	89	87	84	69
	Generator	1	50	C4.85	97	97	95	88	87	88	84	81	66
	Jet wash	1	10	C3.13	103	103	90	86	83	82	76	68	63
<b>S5</b>	<b>Reinforced Structures Backfill</b>												
	Excavator 20T	1	90	C2.21	103	104	100	96	93	91	85	77	71
	Vibrating plate	2	75	C2.41	98	102	99	106	102	103	91	86	80
	Pedestrian roller	2	75	C5.28	110	108	104	101	98	98	91	87	77
<b>S6</b>	<b>Bridge Beam Assembly</b>												
	250T mobile crane	1	90	C2.21	103	104	100	96	93	91	85	77	71
	Articulated delivery vehicle	2	50	C4.8	96	84	75	77	80	78	69	60	56
	MEWP	1	90	C4.58	100	99	87	87	84	84	80	73	63
	Compressor (250cfm)	1	75	C5.5	112	101	92	87	85	83	86	75	66
	Air gun	2	25	CP CP7762 <sup>2</sup>				107.0					75.8
<b>S7</b>	<b>Minor works</b>												
	25T mobile crane	1	90	C4.43	108	104	99	91	92	91	84	78	70
<b>E1</b>	<b>Reinstatement Earthworks</b>												
	Generator	1	90	C4.85	97	97	95	88	87	88	84	81	66
	Articulated delivery vehicle	1	10	C4.8	96	84	75	77	80	78	69	60	56
	Excavator 20T	2	50	C2.21	103	104	100	96	93	91	85	77	71

Team Ref	Description	Quantity	% 'on-time'	BS 5228-1 Annex C Reference	OBCF <sup>1</sup> Sound Power Levels, dB(A)								Noise level at 10m L <sub>Aeq,T</sub> dB
					63	125	250	500	1k	2k	4k	8k	
<b>E3</b>	<b>Ancillary Plant to Above Teams</b>												
	Fuel Bowser	1	10	C6.36	108	109	112	109	112	113	104	94	89
	Water Bowser	1	10	C6.36	108	109	112	109	112	113	104	94	89
<b>E4</b>	<b>Merge/Diverge Earthworks</b>												
	Komatsu 350 - 35tne Tracked Excavator	1	90	C2.15	105	113	98	101	98	96	91	85	76
	Volvo A25 - 25tne Articulated Dump Truck	2	50	C4.8	96	84	75	77	80	78	69	60	56
	Cat D6LGP Tracked Dozer	1	90	C2.12	113	102	104	101	100	106	90	84	81
	CS 76 Self Propelled Roller	1	90	C2.37	100	103	109	106	102	98	91	83	80
<b>E5</b>	<b>Topsoil works</b>												
	Komatsu 350 - 35tne Tracked Excavator	1	90	C2.15	105	113	98	101	98	96	91	85	76
	Volvo A25 - 25tne ADT	1	90	C4.8	96	84	75	77	80	78	69	60	56
	Cat D6LGP Tracked Dozer	2	90	C2.12	113	102	104	101	100	106	90	84	81
<b>Night S4</b>	<b>RC works (night-time)</b>												
	Mobile crane 40T	1	100	C3.29	109	105	97	95	90	88	89	79	70
	Concrete pump	1	100	C3.25	112	104	98	99	101	101	94	86	78
	Compressor (250cfm)	1	100	C5.5	112	101	92	87	85	83	86	75	66
	Air/diesel poker	2	50	C4.34	90	98	98	92	90	89	87	84	69
	Generator	1	100	C4.85	97	97	95	88	87	88	84	81	66
	Jet wash	1	25	C3.13	103	103	90	86	83	82	76	68	63
<b>Night S6</b>	<b>Bridge Beam Assembly (night-time)</b>												
	250T mobile crane	1	100	C2.21	103	104	100	96	93	91	85	77	71
	Articulated delivery vehicle	2	50	C4.8	96	84	75	77	80	78	69	60	56
	MEWP	1	100	C4.58	100	99	87	87	84	84	80	73	63
	Compressor (250cfm)	1	100	C5.5	112	101	92	87	85	83	86	75	66
	Air gun	2	75	CP CP7762 <sup>2</sup>				107.0					75.8
	<b>Construction Compound</b>												
	Power generator	1	100	C4.84	103	100	104	98	97	93	84	75	74

**Note 1 - OBCF – Octave Band Centre Frequency**

**Note 2 – Noise data not available from BS 5228-1; therefore manufacturer data for proxy plant/ equipment items were obtained**

**Table 12.4-b: Construction scenario details**

Area / Haul Route	Activity ID	Activity Name	Team Ref
<b>1 / A</b>		Construction Site Compound	S7 + P3
<b>A19 S/B Temp Onslip Construction</b>			
<b>2 / A</b>	A1710	Site Establishment	S7 + P3
	A1620	Install Traffic Management	
	A3880	Site Clearance	P3 + P4
	A3890	Earthworks	E3 + E4
	A3900	Drainage	P2
	A3930	Lighting and Signs	P8
	A3910	Subbase	P5
	A3920	Kerbs	P6
	A3940	Surfacing	P7
	A3950	Road Markings and Finishes	P9 + P10
<b>A1290 W/B Off Link &amp; D/Hill Lane Junc</b>			
<b>3 / B Short</b>	DHL2-100020	Install Traffic Management	
	DHL2-100220	Earthworks	E3 + E4
	DHL2-100210	Site Clearance	P3 + P4
	DHL2-100240	Subbase	P5
	DHL2-100230	Drainage	P2
	DHL2-100250	Kerbs	P6
	DHL2-100260	Lighting and Signs	P8
	DHL2-100000	Surfacing	P7
	DHL2-100010	Road Markings and Finishes	P9 + P10
<b>New Roundabout West Side</b>			
<b>3 / B Short</b>	DHL2-100030	Site Clearance	P3 + P4
	DHL2-100040	Earthworks	E3 + E4
	DHL2-100050	Drainage	P2
	DHL2-100270	Lighting and Signs	P8
	DHL2-100060	Subbase	P5
	DHL2-100070	Kerbs	P6
	DHL2-100280	Surfacing	P7
	DHL2-100290	Road Markings and Finishes	P9 + P10
<b>A19 N/B Permanent Offslip</b>			
<b>4 / B Long</b>	DHL2-100120	Revise Traffic Management	
	DHL2-100130	Site Clearance	P3 + P4

Area / Haul Route	Activity ID	Activity Name	Team Ref
	DHL2-100140	Earthworks	E3 + E4
	DHL2-100150	Drainage	P2
	DHL2-100180	Lighting and Signs	P8
	DHL2-100160	Subbase	P5
	DHL2-100170	Kerbs	P6
	DHL2-100190	Surfacing	P7
	DHL2-100200	Road Markings and Finishes	P9 + P10
<b>A1290 E/B On Link Near side</b>			
<b>3 / B Short</b>	DHL2-100300	Revise Traffic Management	
	DHL2-100310	Site Clearance	P3 + P4
	DHL2-100320	Earthworks	E3 + E4
	DHL2-100340	Subbase	P5
	DHL2-100330	Drainage	P2
	DHL2-100350	Kerbs	P6
	DHL2-100360	Lighting and Signs	P8
	DHL2-100370	Surfacing	P7
	DHL2-100380	Road Markings and Finishes	P9 + P10
<b>A19 S/B Permanent Onslip</b>			
<b>2 / A</b>	DHL2-100390	Revise TM	
	DHL2-100400	Site Clearance	P3 + P4
	DHL2-100410	Earthworks	E3 + E4
	DHL2-100420	Drainage	P2
	DHL2-100450	Lighting and Signs	P8
	DHL2-100430	Subbase	P5
	DHL2-100440	Kerbs	P6
	DHL2-100460	Surfacing	P7
	DHL2-100470	Road Markings and Finishes	P9 + P10
<b>East Abutment</b>			
<b>5A / C</b>	DHL2-100480	Revise Traffic Management	
	DHL2-100490	Site Clearance	P3 + P4
	DHL2-100500	Earthworks	E3 + E4
	DHL2-100510	Piling	S2 + S3
	DHL2-100520	Formwork, Reinforcement and Concrete	S4
	DHL2-100530	Earthworks backfill	S5
<b>West Abutment</b>			
<b>5B / C</b>	DHL2-101040	Revise Traffic Management	



Area / Haul Route	Activity ID	Activity Name	Team Ref
	DHL2-101050	Site Clearance	P3 + P4
	DHL2-101060	Earthworks	E3 + E4
	DHL2-101070	Piling	S2 + S3
	DHL2-101080	Formwork, Reinforcement and Concrete	S4
	DHL2-101090	Earthworks backfill	S5
<b>Bridge Deck</b>			
5B / C	DHL2-101100	Beams	S6
	DHL2-101110	Decking	S4
	DHL2-101120	Parapets	S4
	DHL2-101140	Kerbs	P6
	DHL2-101150	Surfacing	P7
	DHL2-101160	Road Markings and Finishes	P9 + P10
<b>A19 S/B Permanent Offslip</b>			
6 / D	DHL2-100950	Revise Traffic Management	
	DHL2-100960	Site Clearance	P3 + P4
	DHL2-100970	Earthworks	E3 + E4
	DHL2-100980	Drainage	P2
	DHL2-101010	Lighting and Signs	P8
	DHL2-100990	Subbase	P5
	DHL2-101000	Kerbs	P6
	DHL2-101020	Surfacing	P7
	DHL2-101030	Road Markings and Finishes	P9 + P10
<b>A19 N/B Permanent Onslip</b>			
7 / D	DHL2-100860	Revise Traffic Management	
	DHL2-100870	Site Clearance	P3 + P4
	DHL2-100880	Earthworks	E3 + E4
	DHL2-100890	Drainage	P2
	DHL2-100920	Lighting and Signs	P8
	DHL2-100900	Subbase	P5
	DHL2-100910	Kerbs	P6
	DHL2-100930	Surfacing	P7
	DHL2-100940	Road Markings and Finishes	P9 + P10
<b>A19 N/B Reinstate old offslip</b>			
13 / C	DHL2-100780	Site Clearance	P3 + P4
	DHL2-100790	Earthworks	E3 + E4
	DHL2-100800	Drainage	P2

Area / Haul Route	Activity ID	Activity Name	Team Ref
	DHL2-100810	Subbase	P5
	DHL2-100820	Kerbs	P6
	DHL2-100830	Lighting and Signs	P8
	DHL2-100840	Surfacing	P7
	DHL2-100850	Road Markings and Finishes	P9 + P10
<b>A19 S/B Temp Onslip Removal</b>			
2 / A	DHL2-100740	Revise Traffic Management	
	DHL2-100750	Earthworks	E3 + E4
	DHL2-100760	Reinstatement	E1
	DHL2-100770	Landscaping	E5
<b>A1290 E/B On Link Off side</b>			
18 / B Short	DHL2-100650	Revise Traffic Management	
	DHL2-100660	Site Clearance	P3 + P4
	DHL2-100670	Earthworks	E3 + E4
	DHL2-100680	Drainage	P2
	DHL2-100710	Lighting and Signs	P8
	DHL2-100690	Subbase	P5
	DHL2-100700	Kerbs	P6
	DHL2-100720	Surfacing	P7
	DHL2-100730	Road Markings and Finishes	P9 + P10
<b>A19 North Bridge Road realignment</b>			
8 / E	DHL2-100110	Revise TM	
	DHL2-100600	Site Clearance	P3 + P4
	DHL2-100620	Lighting and Signs	P8
	DHL2-100610	Kerbs	P6
	DHL2-100630	Surfacing	P7
DHL2-100640	Road Markings and Finishes	P9 + P10	
<b>Old Washington Road Junction Removal</b>			
16 / A	DHL2-101170	Site clearance	P3 + P4
	DHL2-101180	Landscaping	E5
<b>Old A19 N/B On-slip removal</b>			
17 / D	DHL2-101190	Site clearance	P3 + P4
	DHL2-101200	Landscaping	E5
<b>A1290 E/B On Link Nearside</b>			
18 / B Short	DHL2-100540	Revise Traffic Management	
	DHL2-100550	Site Clearance	P3 + P4

Area / Haul Route	Activity ID	Activity Name	Team Ref
	DHL2-100570	Drainage	P2
	DHL2-100560	Earthworks	E3 + E4
	DHL2-100090	Lighting and Signs	P8
	DHL2-100580	Subbase	P5
	DHL2-100080	Kerbs	P6
	DHL2-100100	Surfacing	P7
	DHL2-100590	Road Markings and Finishes and Completion.	P9 + P10
<b>A1290 Pegasus Crossing</b>			
<b>18 / B Short</b>	DHL2-A18235	Site clearance	P3 + P4
	DHL2-A18245	Earthworks	P5
	DHL2-A18255	Subbase	P5
	DHL2-A4190	Barrier fencing	P9
	DHL2-A18295	Road kerbs and edgings	P6
	DHL2-A4200	NMU route surfacing	P5
	DHL2-A18315	Road surfacing and lining	P5
	DHL2-A18265	Landscaping	E5

## APPENDIX 12.5 CONSTRUCTION NOISE MODELLING DATA

12.5A.1 Construction noise levels at sensitive receptors have been calculated using the CadnaA noise modelling package.

12.5A.2 Table 12.5-a provides a list of the settings and technical assumptions that have been used within the assessment of construction noise.

**Table 12.5-a: Construction noise modelling settings and technical assumptions**

Condition or model setting	Comment
Prediction protocol	All predictions were made in accordance with the prediction protocol detailed within BS 5228-1.
Ground contours	10 m spatial resolution OS Terrain 50 digital terrain model data was downloaded from the <a href="http://ordnancesurvey.co.uk">ordnancesurvey.co.uk</a> website.
Noise sources	Generally, all noise sources were assumed to have a height of 2 m in exception to the use of airgun and installing parapets which were set to a height of 7 m. Operating on-time and quantity of equipment is as noted in Table 12.4-a.
	The main construction plant haul routes were assumed to have 10 hourly movements, consisting of a 25 t articulated dump truck (BS 5228-1 reference: C4.1) at 16 km/h. 2 hourly movement of the same truck, and at the same speed, was assumed within the site compound.
Receptors	Receptors have been created to sample the front line residential buildings facing directly towards the Proposed Development, in addition to open spaces (Town End Primary School playing field) with direct line of sight with the Proposed Development.
	Receiver heights have been placed at ground floor height (1.5 m) for all receptors. First floor receivers (4.0 m) have been included at 2 storey properties.
	Free-field noise predictions have been made within the noise modelling software. These predicted noise levels were then converted from free-field to façade noise levels through the addition of 3.0 dB, where applicable.
Ground conditions	Mixed ground ( $\alpha = 0.5$ ) was assumed throughout the noise model, except for areas with hard ground which were assumed to be fully reflective ( $\alpha = 0.0$ ).
Construction rates	The construction noise sources were modelled as distributed point sources for the entirety of the relevant activity, except for moving vehicles which were modelled as line sources along their assumed haul route.

12.5A.3 The indicative construction noise assessment has followed the construction programme provided. This includes the percentage on-times for the plant and equipment and the number of sources assumed to be operating simultaneously during construction.

### Construction noise potential effects

12.5A.4 An assessment of potential noise effects during construction has been undertaken at representative sample receptors. Each sample receptor is representative of other nearby receptors.

12.5A.5 The construction noise levels predicted at the sample receptors included within the assessment, for each of the construction activity assessed, are presented against the baseline sound levels along with the change in noise calculated in Table 12.5-b. Night-time construction noise is anticipated to exist for 9 nights between July and September 2021, as such the assessment has considered both the daytime and night-time noise thresholds, as per the guidance within BS5228-1.

12.5A.6 The assessment undertaken, through the use of the provisional construction programme, considered the potential for increased noise levels due to construction activities occurring concurrently on a day-by-day basis.

12.5A.7 The predicted construction noise levels were considered to be representative of typical levels that may be experienced during construction. The construction noise level predictions do not take into account any additional mitigation measures (e.g. the use of noise barriers).

**Table 12.5-b: Predicted façade construction noise levels – daytime and night-time**

Receptor	Daytime		Night-time	
	Maximum Construction Noise Level ( $L_{Aeq,T}$ )	Baseline Sound Level ( $L_{Aeq,12h}$ )	Maximum Construction Noise Level ( $L_{Aeq,T}$ )	Baseline Sound Level ( $L_{Aeq,8h}$ )
35 Benton Avenue	63	58	52	56
33 Boston Crescent	68	61	56	56
45 Boston Crescent	68	65	59	59
114 Baltimore Avenue	65	65	58	59
5 Usworth Cottages	69	58	49	52
Town End Primary School	61	53	N/A	N/A
Town End Primary School, Playing Field *	56	52	N/A	N/A
24 Baltimore Avenue	59	67	55	61
Make Me Rich Farm	66	64	51	56
Unit 6 of IAMP 1 Offices	58	57	N/A	N/A
The Chalet	73	59	48	53

\* Free-field location

12.5A.8 Construction noise levels were predicted on a daily basis according to different construction activities running concurrently as per the construction programme.



12.5A.9 The following sections provide commentary on the potential construction noise impacts at each sample receptor.

**Sample Receptor 1: 35 Benton Avenue**

12.5A.10 Sample Receptor 1, 35 Benton Avenue, is located to the east of the scheme. Noise monitoring was undertaken in the rear garden of the property from 9 to 20 November 2017. The measured daytime baseline noise level is 58 dB LAeq,12h and the measured night-time baseline noise level is 56 dB LAeq,8h, both façade incident levels, after eliminating a portion of the logged data due to unfavourable weather conditions.

12.5A.11 The maximum daytime construction noise level at the façade of Sample Receptor 1 was predicted to be 63 dB LAeq,12h. Which was predicted to occur in 10 and 11 December 2020. This would be anticipated to result in an increase in the daytime ambient noise level of 6 dB, resulting in a total noise level of 64 dB LAeq,12h for a period of 2 days.

12.5A.12 Sample Receptor 1 was predicted to experience daytime construction noise levels of 62 dB LAeq,12h for additional 25 days leading to an anticipated increase in the daytime ambient noise level by an amount similar to 12.5A.11.

12.5A.13 The predicted maximum daytime construction noise level is below the threshold for potential significant effects during daytime (65 dB LAeq,12h). As such no significant adverse effect was predicted at Sample Receptor 1 during daytime.

12.5A.14 Table 12.5-c summarises the number of days for each construction noise level that were predicted to occur resulting in an increase in the daytime ambient noise level at Sample Receptor 1. Figure 12.5.1, presents the time history graph for construction noise, showing projected fluctuations in construction noise at this receptor throughout the construction phase of the Scheme.

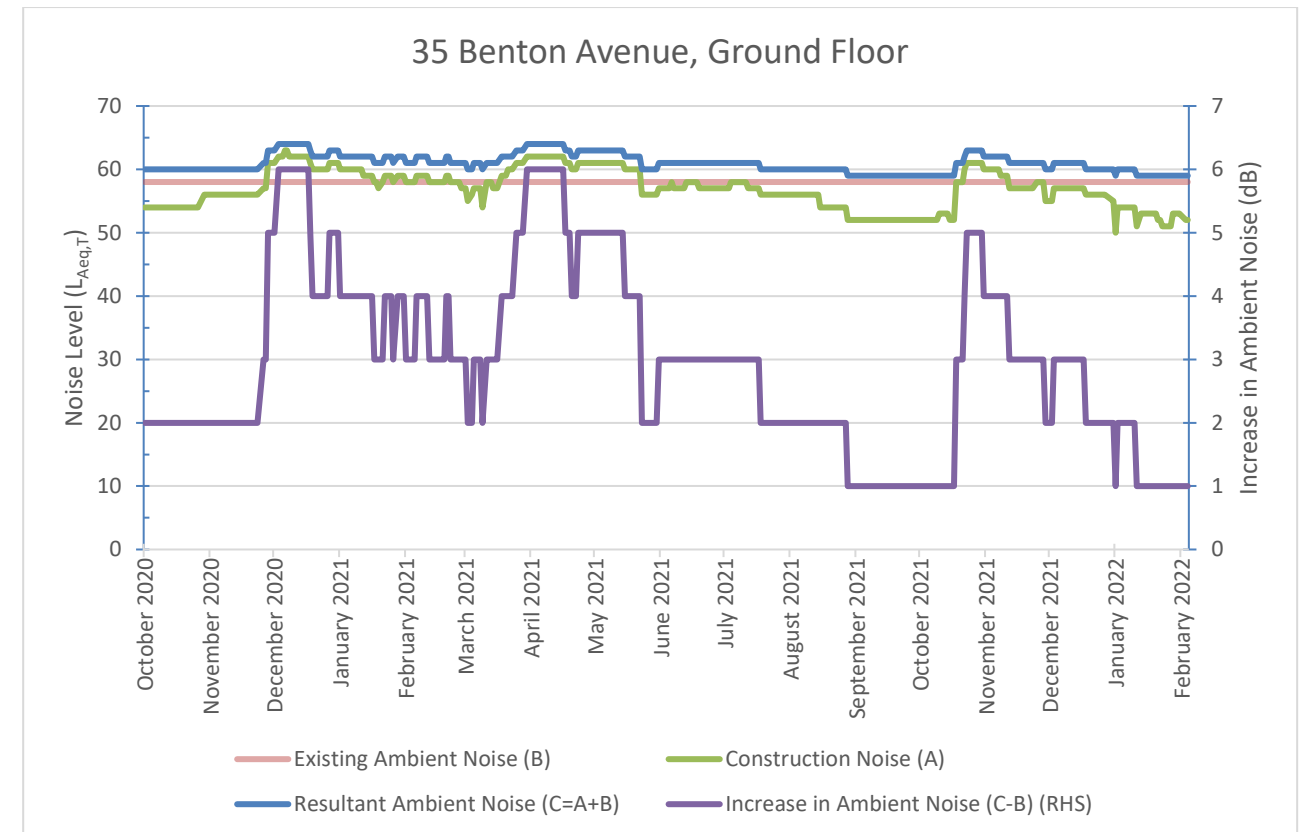
**Table 12.5-c: Days of each construction noise level and increase in daytime ambient noise level at Sample Receptor 1: 35 Benton Avenue**

Construction Noise Level (LAeq,12h) (A)	Resultant Daytime Ambient Noise Level (LAeq,12h)	Increase in Daytime Ambient Noise Level (dB) (B)	Days of	
			Construction Noise Level (from A)	Increase in Daytime Ambient Noise Level (from B)
63	64	6	2	27
62			25	
61	63	5	40	40
60	62	4	34	59
59			25	
58	61	3	42	107
57			65	
56	60	2	60	107
55			5	
54			42	
53			15	
52	59	1	34	55
51			5	
50			1	
50			1	

49			0	
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12.5A.15 The maximum night-time construction noise level at the façade of Sample Receptor 1 was predicted to be 52 dB LAeq,1h. With an existing ambient noise level of 56 dB LAeq,8h, this would result in an increase in the night-time ambient noise level of 2 dB to 58 dB LAeq,1h. As such no significant adverse effect was predicted at Sample Receptor 1 from night-time construction activities.

**Figure 12.5.1: Predicted façade construction noise levels at Sample Receptor 1: 35 Benton Avenue – daytime**



**Sample Receptor 2: 33 Boston Crescent**

12.5A.16 Sample Receptor 2, 33 Boston Crescent, was located to the south-east of the Scheme. A predicted façade daytime baseline noise level of 61 dB LAeq,12h was derived using the formulae contained within the TRL report 'Converting the UK traffic noise index LA10,18h to EU noise indices for noise mapping'. A predicted night-time baseline façade noise level of 56 dB LAeq,8h was derived using the same report.

12.5A.17 The maximum daytime construction noise level at the façade of Sample Receptor 2 was predicted to be 63 dB LAeq,12h. Which was predicted to occur between approximately 10 and 21 December 2020 and 3 and 20 April 2021. This would be anticipated to result in an increase in the daytime ambient noise level of 8 dB, resulting in a total noise level of 69 dB LAeq,12h for a period of 24 days.

12.5A.18 Daytime construction noise levels at Sample Receptor 2 were predicted to exceed the 65 dB LAeq,12h threshold for potential significant effects for 94 days, while total daytime ambient noise levels were anticipated to exceed existing daytime ambient noise levels by 5 dB or more for 166 days.

12.5A.19 A potential significant effect was predicted at Sample Receptor 2 for a total of 94 days during December 2020, January, late March, April, May, late October, November 2021. These significant effects would be due to the following activities:

- (i) Site clearance at the adjacent Area 2 between 2 and 22 December 2020.
- (ii) Earthworks and drainage at the adjacent Area 2 between 31 December 2020 and 1 February 2021.
- (iii) Site clearance and earthworks at the adjacent Area 2 between 2 April and 18 May 2021.
- (iv) Earthworks at the adjacent Area 2 between 26 October and 15 November 2021.

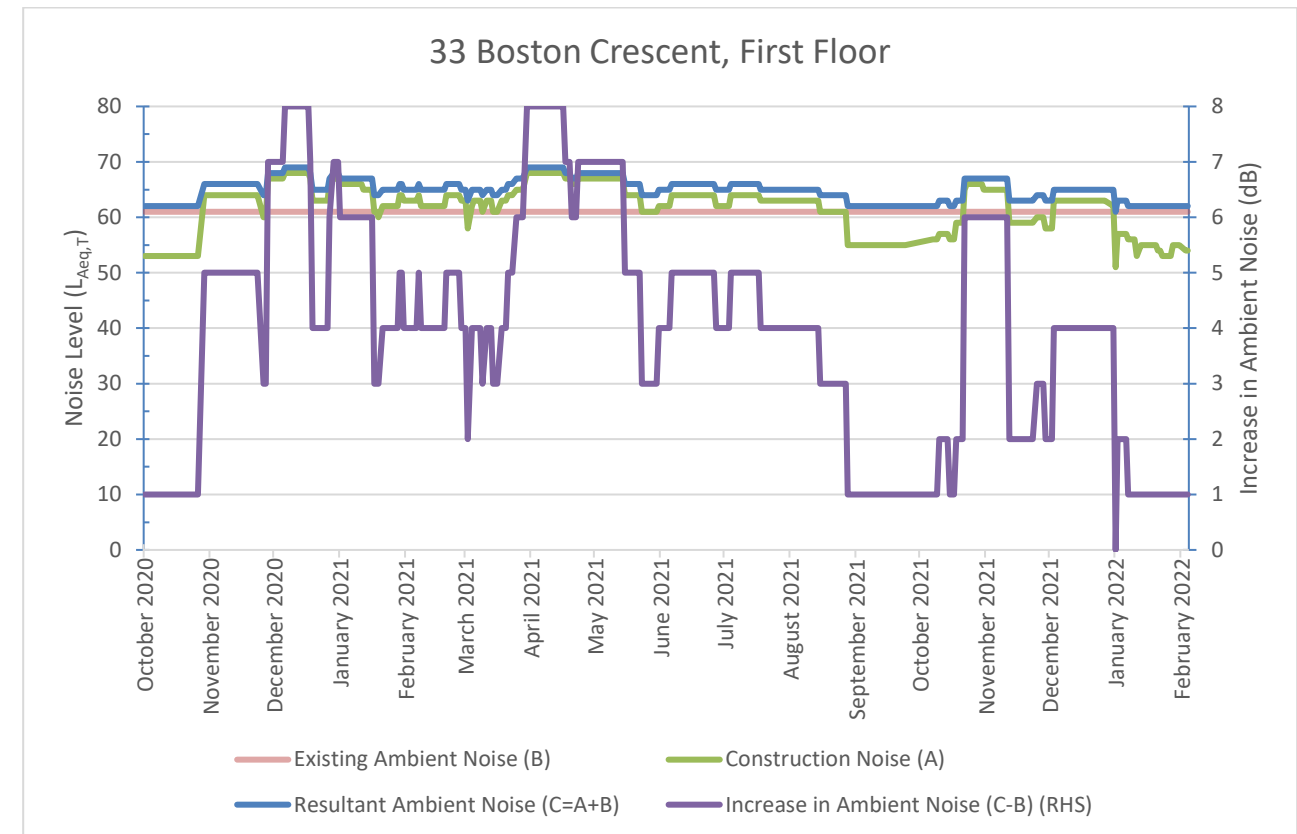
12.5A.20 Table 12.5-d summarises the number of days for each construction noise level that were predicted to occur resulting in an increase in the daytime ambient noise level at Sample Receptor 2. Figure 12.5.2, presents the time history graph for construction noise, showing projected fluctuations in construction noise at this receptor throughout the construction phase of the Scheme.

**Table 12.5-d: Days of each construction noise level and increase in daytime ambient noise level at Sample Receptor 2: 33 Boston Crescent**

Construction Noise Level (L <sub>Aeq,12h</sub> ) (A)	Resultant Daytime Total Ambient Noise Level (L <sub>Aeq,12h</sub> )	Increase in Daytime Ambient Noise Level (dB) (B)	Days of	
			Construction Noise Level (from A)	Increase in Daytime Ambient Noise Level (from B)
68	69	8	24	24
67	68	7	31	31
66	67	6	20	39
65			19	
64	66	5	72	72
63	65	4	66	96
62			30	
61	64	3	22	29
60			7	
59	63	2	14	26
58			4	
57			8	
56	62	1	10	77
55			35	
54			4	
53			28	
52			0	

12.5A.21 The maximum night-time construction noise level at the façade of Sample Receptor 2 was predicted to be 56 dB L<sub>Aeq,1h</sub>. With an existing ambient noise level of 56 dB L<sub>Aeq,8h</sub>, this would result in an increase in the night-time ambient noise level of 3 dB to 59 dB L<sub>Aeq,1h</sub>. As such no significant adverse effect was predicted at Sample Receptor 2 from night-time construction activities.

**Figure 12.5.2: Predicted façade construction noise levels at Sample Receptor 2: 33 Boston Crescent – daytime**



**Sample Receptor 3: 45 Boston Crescent**

12.5A.22 Sample Receptor 3, 45 Boston Crescent, was located to the south-east of the Scheme. A predicted façade daytime baseline noise level of 65 dB L<sub>Aeq,12h</sub> has been derived using the formulae contained within the TRL report 'Converting the UK traffic noise index LA<sub>10,18h</sub> to EU noise indices for noise mapping'. A predicted night-time baseline façade noise level of 59 dB L<sub>Aeq,8h</sub> was derived using the same report.

12.5A.23 The maximum daytime construction noise level at the façade of Sample Receptor 3 was predicted to be 68 dB L<sub>Aeq,12h</sub>, which was predicted to occur between approximately 10 and 21 December 2020 and 3 and 23 April 2021. This would be anticipated to result in an increase in the daytime ambient noise level of 5 dB to 70 dB L<sub>Aeq,12h</sub> for a period of 27 days.

12.5A.24 Daytime construction noise levels at Sample Receptor 3 were predicted to exceed the 65 dB L<sub>Aeq,12h</sub> threshold for potential significant effects for 90 days. Daytime ambient noise levels at Sample Receptor 3 were predicted to be increased by 5 dB or more for 27 days. In total, significant effects were predicted at Sample Receptor 3 for 27 days during December 2020 and April 2021. These significant effects would be due to the following activities:

- (i) Site clearance at the adjacent Area 2 between 2 and 22 December 2020.
- (ii) Site clearance and earthworks at the adjacent Area 2 between 2 and 26 April 2021.

12.5A.25 Table 12.5-e summarises the number of days for each construction noise level predicted to occur resulting in an increase in the daytime ambient noise level at Sample

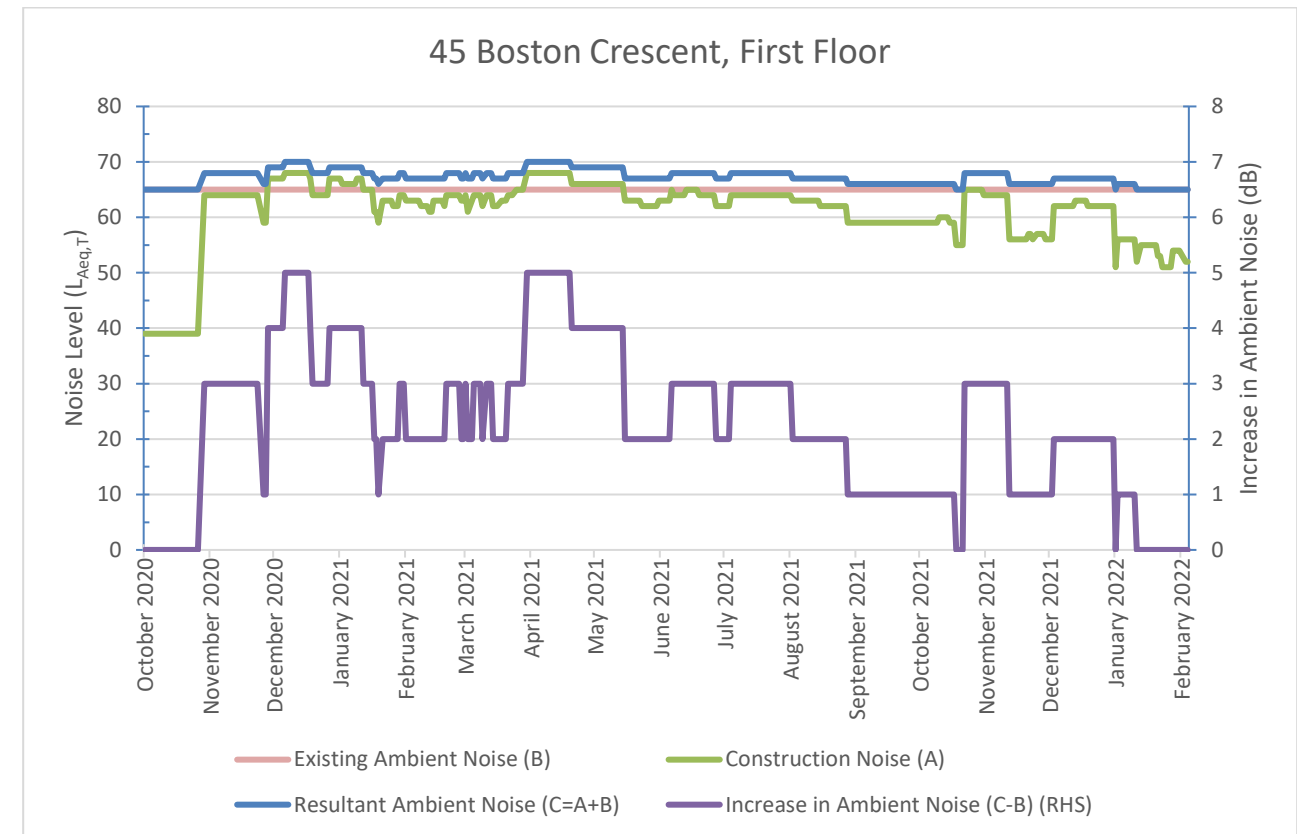
Receptor 3. Figure 12.5.3, presents the time history graph for construction noise, showing projected fluctuations in construction noise at this receptor throughout the construction phase of the Scheme.

**Table 12.5-e: Days of each construction noise level and increase in daytime ambient noise level at Sample Receptor 3: 45 Boston Crescent**

Construction Noise Level (L <sub>Aeq,12h</sub> ) (A)	Resultant Daytime Total Ambient Noise Level (L <sub>Aeq,12h</sub> )	Increase in Daytime Ambient Noise Level (dB) (B)	Days of	
			Construction Noise Level (from A)	Increase in Daytime Ambient Noise Level (from B)
68	70	5	27	27
67	69	4	15	41
66			26	
65	68	3	22	116
64			94	
63	67	2	49	101
62			47	
61			5	
60	66	1	4	63
59			33	
58			0	
57			6	
56			20	

12.5A.26 The maximum night-time construction noise level at the façade of Sample Receptor 3 was predicted to be 59 dB L<sub>Aeq,1h</sub>. With an existing ambient noise level of 59 dB L<sub>Aeq,8h</sub>, this would result in an increase in the night-time ambient noise level of 3 dB to 62 dB L<sub>Aeq,1h</sub>. As such no significant adverse effect was predicted at Sample Receptor 3 from night-time construction activities.

**Figure 12.5.3: Predicted façade construction noise levels at Sample Receptor 3: 45 Boston Crescent – daytime**



**Sample Receptor 4: 114 Baltimore Avenue**

- 12.5A.27 Sample Receptor 4, 114 Baltimore Avenue, was located to the south-east of the Scheme. A predicted façade daytime baseline noise level of 65 dB L<sub>Aeq,12h</sub> was derived using the formulae contained within the TRL report 'Converting the UK traffic noise index LA<sub>10,18h</sub> to EU noise indices for noise mapping'. A predicted night-time baseline façade noise level of 59 dB L<sub>Aeq,8h</sub> was derived using the same report.
- 12.5A.28 The maximum daytime construction noise level at the façade of Sample Receptor 4 was predicted to be 65 dB L<sub>Aeq,12h</sub>. Which was predicted to occur on 10 and 11 December 2020. This would be anticipated to result in an increase in the daytime ambient noise level of 3 dB to 68 dB L<sub>Aeq,12h</sub> for a period of 2 days.
- 12.5A.29 Sample Receptor 4 was predicted to experience daytime construction noise levels of 64 dB L<sub>Aeq,12h</sub> for additional 28 days leading to an anticipated increase in the daytime ambient noise level by an amount similar to 12.5A.28.
- 12.5A.30 Daytime ambient noise levels at Sample Receptor 4 were not predicted to be increased by 5 dB or more.
- 12.5A.31 No significant effect was predicted at Sample Receptor 4.
- 12.5A.32 Table 12.5-f summarises the number of days for each construction noise level predicted to occur resulting in an increase in the daytime ambient noise level at Sample Receptor 4. Figure 12.5.4 presents the time history graph for construction noise, showing projected fluctuations in construction noise at this receptor throughout the construction phase of the Scheme.

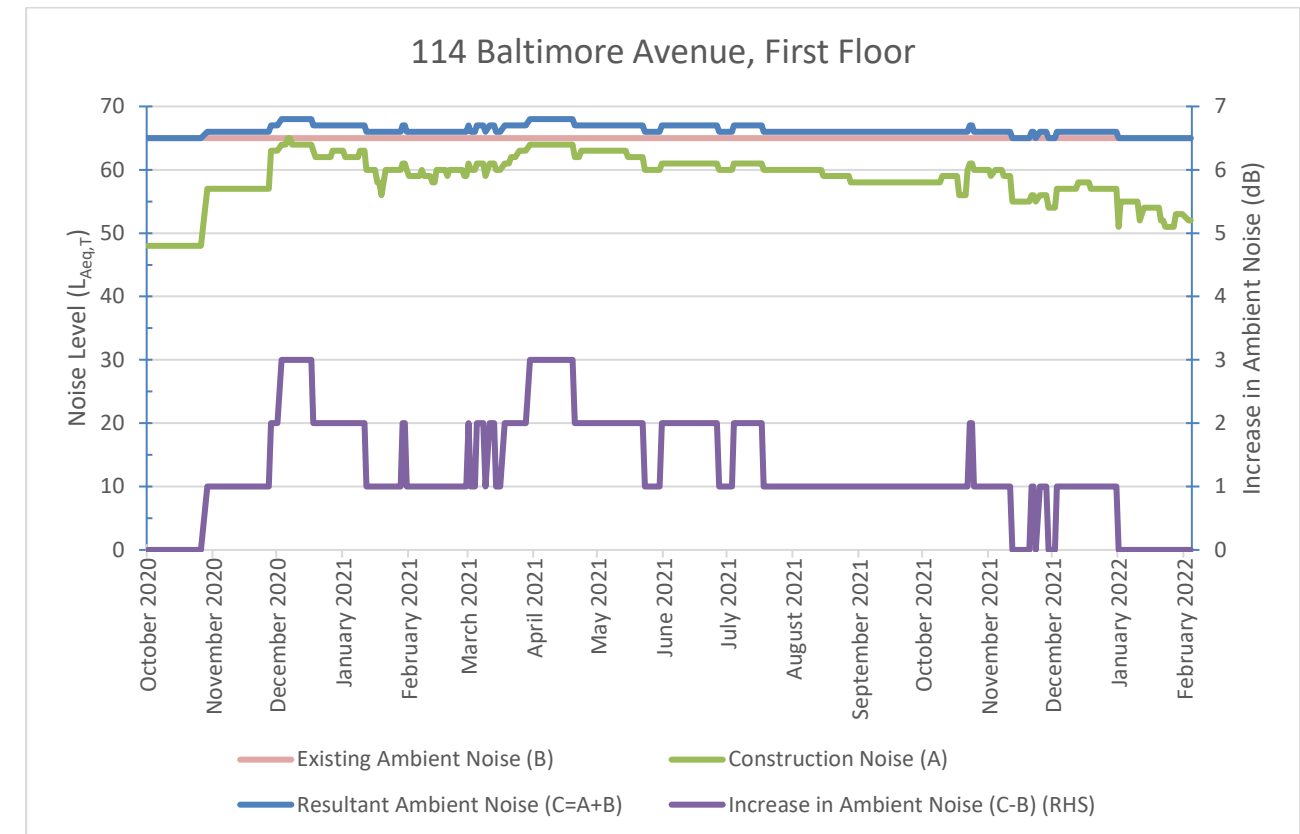


**Table 12.5-f: Days of each construction noise level and increase in daytime ambient noise level at Sample Receptor 4: 114 Baltimore Avenue**

Construction Noise Level (L <sub>Aeq,12h</sub> ) (A)	Resultant Daytime Total Ambient Noise Level (L <sub>Aeq,12h</sub> )	Increase in Daytime Ambient Noise Level (dB) (B)	Days of	
			Construction Noise Level (from A)	Increase in Daytime Ambient Noise Level (from B)
65	68	3	2	30
64			28	
63	67	2	34	106
62			22	
61			50	
60	66	1	76	195
59			33	
58			36	
57			40	
56			10	

12.5A.33 The maximum night-time construction noise level at the façade of Sample Receptor 4 was predicted to be 58 dB L<sub>Aeq,1h</sub>. With an existing ambient noise level of 59 dB L<sub>Aeq,8h</sub>, this would result in an increase in the night-time ambient noise level of 3 dB to 62 dB L<sub>Aeq,1h</sub>. As such no significant adverse effect was predicted at Sample Receptor 4 from night-time construction activities.

**Figure 12.5.4: Predicted façade construction noise levels at Sample Receptor 4: 114 Baltimore Avenue – daytime**



**Sample Receptor 5: 5 Usworth Cottages**

- 12.5A.34 Sample Receptor 5, 5 Usworth Cottages, was located to the south-west of the Scheme. A predicted daytime baseline façade noise level of 58 dB L<sub>Aeq,12h</sub> has been derived using the formulae contained within the TRL report 'Converting the UK traffic noise index LA<sub>10,18h</sub> to EU noise indices for noise mapping'. A predicted night-time baseline façade noise level of 52 dB L<sub>Aeq,8h</sub> was derived using the same report.
- 12.5A.35 The maximum daytime construction noise level at the façade of Sample Receptor 5 was predicted to be 69 dB L<sub>Aeq,12h</sub>. Which was predicted to occur between approximately 17 and 21 December 2021. This would be anticipated to result in an increase in the daytime ambient noise level of 11 dB to 69 dB L<sub>Aeq,12h</sub> for a period of 4 days.
- 12.5A.36 Daytime construction noise levels at Sample Receptor 5 were predicted to exceed the 65 dB L<sub>Aeq,12h</sub> threshold for potential significant effects for 10 days.
- 12.5A.37 Daytime ambient noise levels at Sample Receptor 5 were predicted to be increased by 5 dB or more for 28 days.
- 12.5A.38 A potential significant effect was predicted at Sample Receptor 5 for a total of 10 days during mid-December 2021 and mid to late January 2022. These significant effects would be due to the construction activities associated with the Pegasus Crossing between 17 December 2021 and 24 January 2022.
- 12.5A.39 Table 12.5-g shows the effect of the maximum construction noise level on the daytime ambient noise level at Sample Receptor 5. Figure 12.5.5 presents the time history

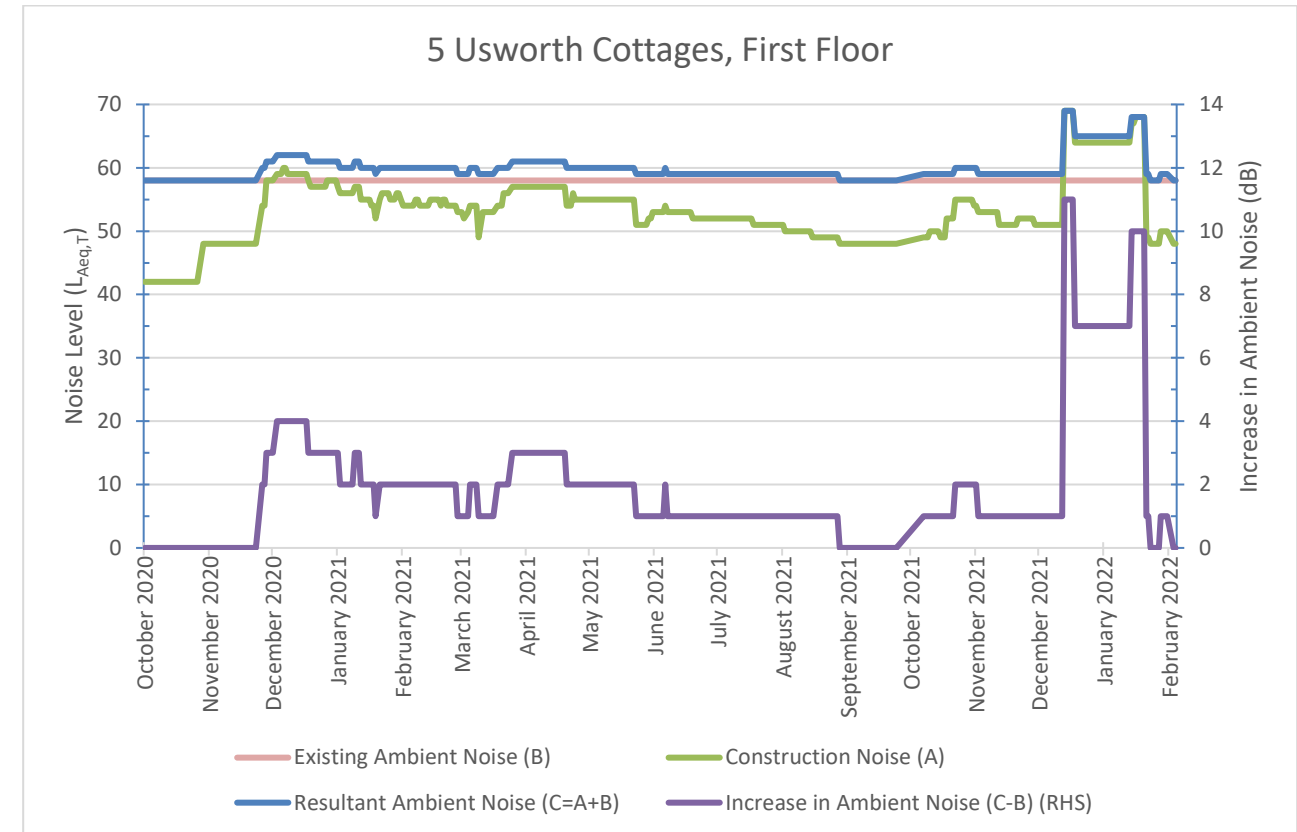
graph for construction noise, showing projected fluctuations in construction noise at this receptor throughout the construction phase of the Scheme.

**Table 12.5-g: Days of each construction noise level and increase in daytime ambient noise level at Sample Receptor 5: 5 Usworth Cottages**

Construction Noise Level (L <sub>Aeq,12h</sub> ) (A)	Resultant Daytime Total Ambient Noise Level (L <sub>Aeq,12h</sub> )	Increase in Daytime Ambient Noise Level (dB) (B)	Days of	
			Construction Noise Level (from A)	Increase in Daytime Ambient Noise Level (from B)
69	69	11	4	4
68	68	10	4	6
67			2	
66 – 65	67 – 66	9 – 8	0	0
64	65	7	18	18
63 – 61	64 – 63	6 – 5	0	0
60	62	4	2	13
59			11	
58	61	3	8	37
57			29	
56			16	
55	60	2	48	94
54			30	
53	59	1	33	147
52			39	
51			37	
50			19	
49			19	
			19	

12.5A.40 The maximum night-time construction noise level at the façade of Sample Receptor 5 was predicted to be 49 dB L<sub>Aeq,1h</sub>. With an existing ambient noise level of 52 dB L<sub>Aeq,8h</sub>, this would result in an increase in the night-time ambient noise level of 2 dB to 54 dB L<sub>Aeq,1h</sub>. As such no significant adverse effect was predicted at Sample Receptor 5 from night-time construction activities.

**Figure 12.5.5: Predicted façade construction noise levels at Sample Receptor 5: 5 Usworth Cottages – daytime**



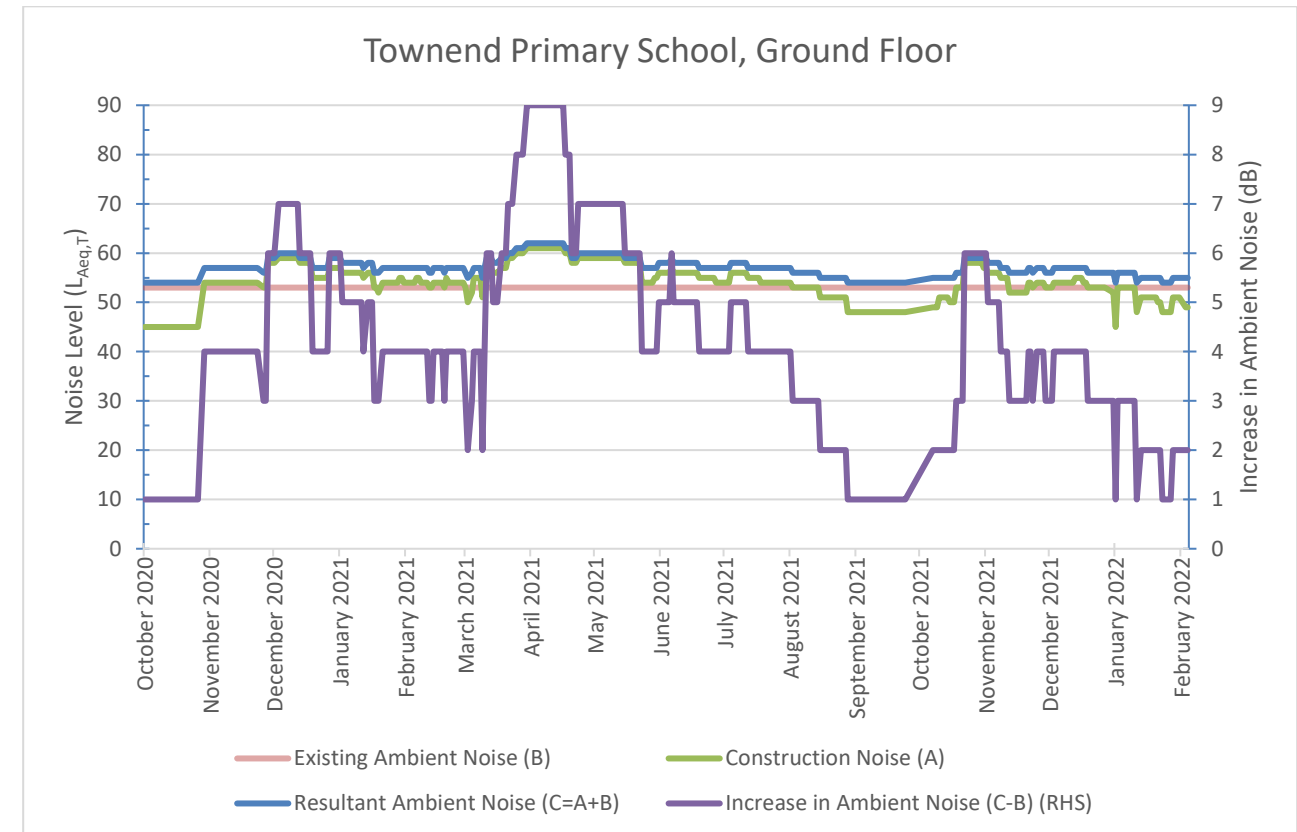
**Sample Receptor 6: Town End Primary School**

- 12.5A.41 Sample Receptor 6, Town End Primary School, was located to the south-east of the Scheme. A predicted daytime baseline noise level of 53 dB L<sub>Aeq,12h</sub> façade noise level has been derived using the formulae contained within the TRL report 'Converting the UK traffic noise index L<sub>A10,18h</sub> to EU noise indices for noise mapping'.
- 12.5A.42 The maximum daytime construction noise level at the façade of Sample Receptor 6 was predicted to be 61 dB L<sub>Aeq,12h</sub>. Which was predicted to occur between approximately 3 and 20 April 2021. This would be anticipated to result in an increase in the daytime ambient noise level of 9 dB to 62 dB L<sub>Aeq,12h</sub> for a period of 14 days.
- 12.5A.43 Daytime ambient noise levels at Sample Receptor 6 were predicted to be increased by 5 dB or more for 132 days.
- 12.5A.44 No significant effect was predicted at Sample Receptor 6 as the noise level emanating from the construction activities fall below 65 dB L<sub>Aeq,12h</sub> throughout the construction period.
- 12.5A.45 Table 12.5-h shows the effect of the maximum construction noise level on the daytime ambient noise level at Sample Receptor 6. Figure 12.5.6 presents the time history graph for construction noise, showing projected fluctuations in construction noise at this receptor throughout the construction phase of the Scheme.

**Table 12.5-h: Days of each construction noise level and increase in daytime ambient noise level at Sample Receptor 6: Town End Primary School**

Construction Noise Level (L <sub>Aeq,12h</sub> ) (A)	Resultant Daytime Ambient Noise Level (L <sub>Aeq,12h</sub> )	Increase in Daytime Ambient Noise Level (dB) (B)	Days of	
			Construction Noise Level (from A)	Increase in Daytime Ambient Noise Level (from B)
61	62	9	14	14
60	61	8	7	7
59	60	7	30	30
58	59	6	26	39
57			13	
56	58	5	42	42
55	57	4	34	123
54			89	
53	56	3	39	50
52			11	
51	55	2	26	37
50			6	
49			5	
48	54	1	29	53
47			0	
46			0	
45			24	
44			0	

**Figure 12.5.6: Predicted façade construction noise levels at Sample Receptor 6: Town End Primary School – daytime**



**Sample Receptor 7: Town End Primary School Playing Field**

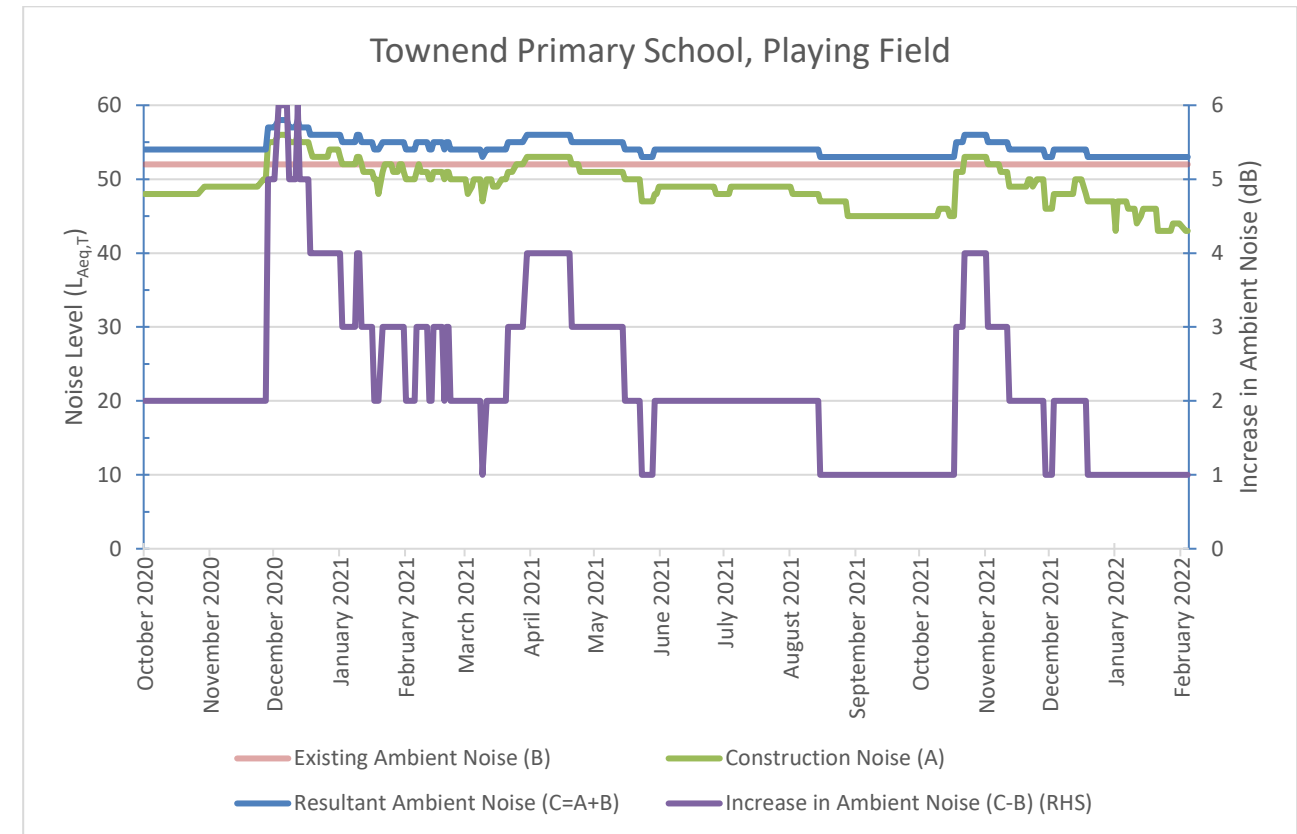
- 12.5A.46 Sample Receptor 7, Town End Primary School Playing Field, was located to the south-east of the Scheme. A predicted daytime baseline noise level of 52 dB L<sub>Aeq,12h</sub> free-field noise level has been derived using the formulae contained within the TRL report 'Converting the UK traffic noise index L<sub>A10,18h</sub> to EU noise indices for noise mapping'.
- 12.5A.47 The maximum daytime construction noise level at Sample Receptor 7 was predicted to be 56 dB L<sub>Aeq,12h</sub> free-field. Which was predicted to occur between approximately 7 and 11 December and on 16 December 2020. This would be anticipated to result in an increase in the daytime ambient noise level of 6 dB to 58 dB L<sub>Aeq,12h</sub> free-field for 6 days.
- 12.5A.48 No significant effect was predicted at Sample Receptor 7 as the noise level emanating from the construction activities fall below 65 dB L<sub>Aeq,12h</sub> throughout the construction period.
- 12.5A.49 Table 12.5-i summarises the number of days for each construction noise level predicted to occur resulting in an increase in the daytime ambient noise level at Sample Receptor 7. Figure 12.5.7 presents the time history graph for construction noise, showing projected fluctuations in construction noise at this receptor throughout the construction phase of the Scheme.



**Table 12.5-i: Days of each construction noise level and increase in daytime ambient noise level at Sample Receptor 7: Town End Primary School Playing Field**

Construction Noise Level (L <sub>Aeq,12h</sub> ) (A)	Resultant Daytime Total Ambient Noise Level (L <sub>Aeq,12h</sub> )	Increase in Daytime Ambient Noise Level (dB) (B)	Days of	
			Construction Noise Level (from A)	Increase in Daytime Ambient Noise Level (from B)
56	58	6	6	6
55	57	5	11	11
54	56	4	4	38
53			34	
52	55	3	26	70
51			44	
50	54	2	44	183
49			85	
48			54	
47	53	1	25	87
46			17	
45			31	
44			5	
43			9	

**Figure 12.5.7: Predicted free-field construction noise levels at Sample Receptor 7: Town End Primary School Playing Field – daytime**



**Sample Receptor 8: 24 Baltimore Avenue**

- 12.5A.50 Sample Receptor 8, 24 Baltimore Avenue, was located to the south of the Scheme. A predicted façade daytime baseline noise level of 67 dB L<sub>Aeq,12h</sub> was derived using the formulae contained within the TRL report 'Converting the UK traffic noise index LA<sub>10,18h</sub> to EU noise indices for noise mapping'. A predicted night-time baseline façade noise level of 61 dB L<sub>Aeq,8h</sub> was derived using the same report.
- 12.5A.51 The maximum daytime construction noise level at the façade of Sample Receptor 8 was predicted to be 59 dB L<sub>Aeq,12h</sub>. Which was predicted to occur between approximately 3 and 20 April 2021. This would be anticipated to result in an increase in the daytime ambient noise level of 1 dB to 68 dB L<sub>Aeq,12h</sub> for a period of 14 days.
- 12.5A.52 Sample Receptor 8 was predicted to experience daytime construction noise levels of 58 dB L<sub>Aeq,12h</sub> for additional 30 days leading to an anticipated increase in the daytime ambient noise level by an amount similar to 12.5A.50.
- 12.5A.53 Daytime ambient noise levels at Sample Receptor 8 were not predicted to be increased by 5 dB or more.
- 12.5A.54 No significant effect was predicted at Sample Receptor 8 as the noise level emanating from the construction activities fall below 65 dB L<sub>Aeq,12h</sub> throughout the construction period.
- 12.5A.55 Table 12.5-j shows the effect of the maximum construction noise level on the daytime ambient noise level at Sample Receptor 8. Figure 12.5.8 presents the time history

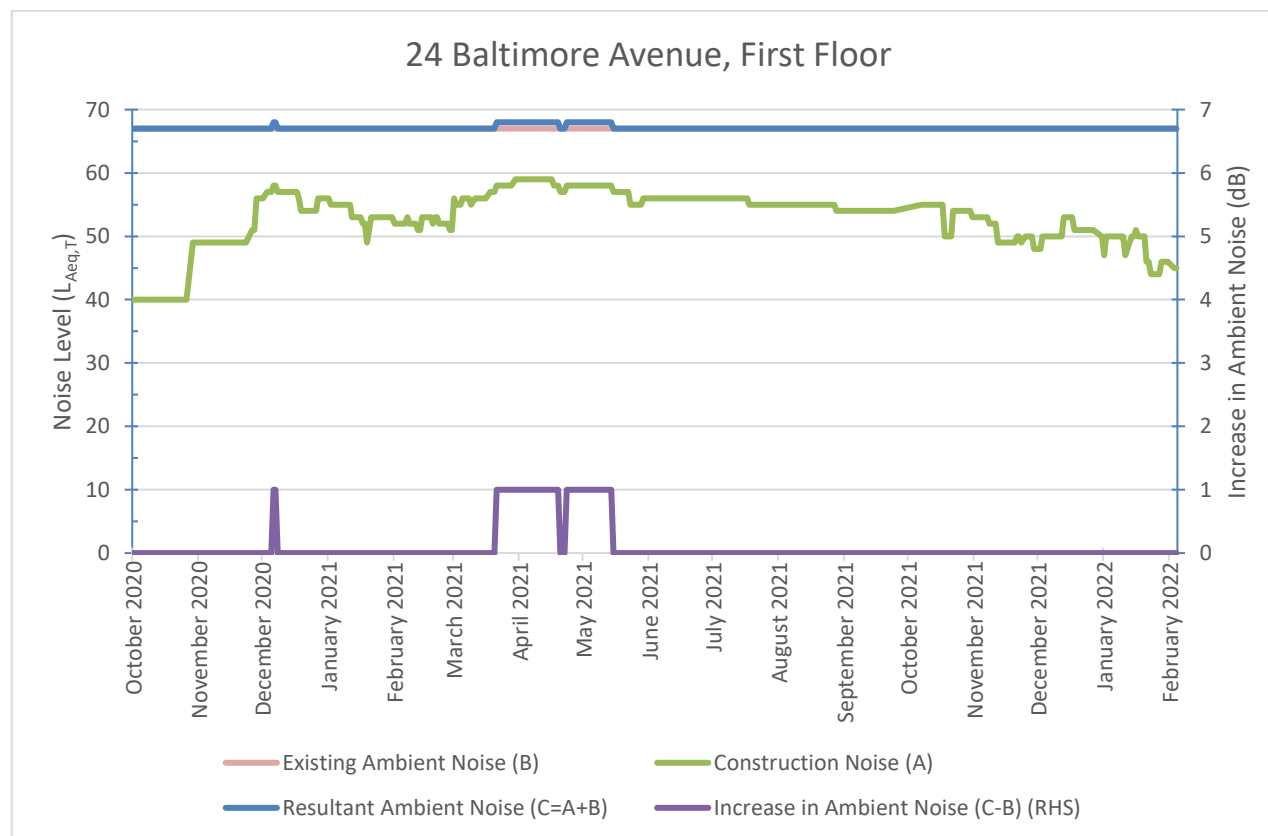
graph for construction noise, showing projected fluctuations in construction noise at this receptor throughout the construction phase of the Scheme.

**Table 12.5-j: Days of each construction noise level and increase in daytime ambient noise level at Sample Receptor 8: 24 Baltimore Avenue**

Construction Noise Level (L <sub>Aeq,12h</sub> ) (A)	Resultant Daytime Total Ambient Noise Level (L <sub>Aeq,12h</sub> )	Increase in Daytime Ambient Noise Level (dB) (B)	Days of	
			Construction Noise Level (from A)	Increase in Daytime Ambient Noise Level (from B)
59	68	1	14	44
58			30	

12.5A.56 The maximum night-time construction noise level at the façade of Sample Receptor 8 was predicted to be 55 dB L<sub>Aeq,1h</sub>. With an existing ambient noise level of 61 dB L<sub>Aeq,8h</sub>, this would be anticipated to result in an increase in the night-time ambient noise level of 1 dB to 62 dB L<sub>Aeq,1h</sub>. As such no significant adverse effect was predicted at Sample Receptor 8 from night-time construction activities.

**Figure 12.5.8: Predicted façade construction noise levels at Sample Receptor 8: 24 Baltimore Avenue – daytime**



**Sample Receptor 9: Make Me Rich Farm**

12.5A.57 Sample Receptor 9, Make Me Rich Farm, is located to the north of the Scheme. The baseline noise level was measured at this location in a past noise survey and it was

64 dB L<sub>Aeq,12h</sub> during the daytime and 56 dB L<sub>Aeq,8h</sub> during the night-time, both façade incident levels.

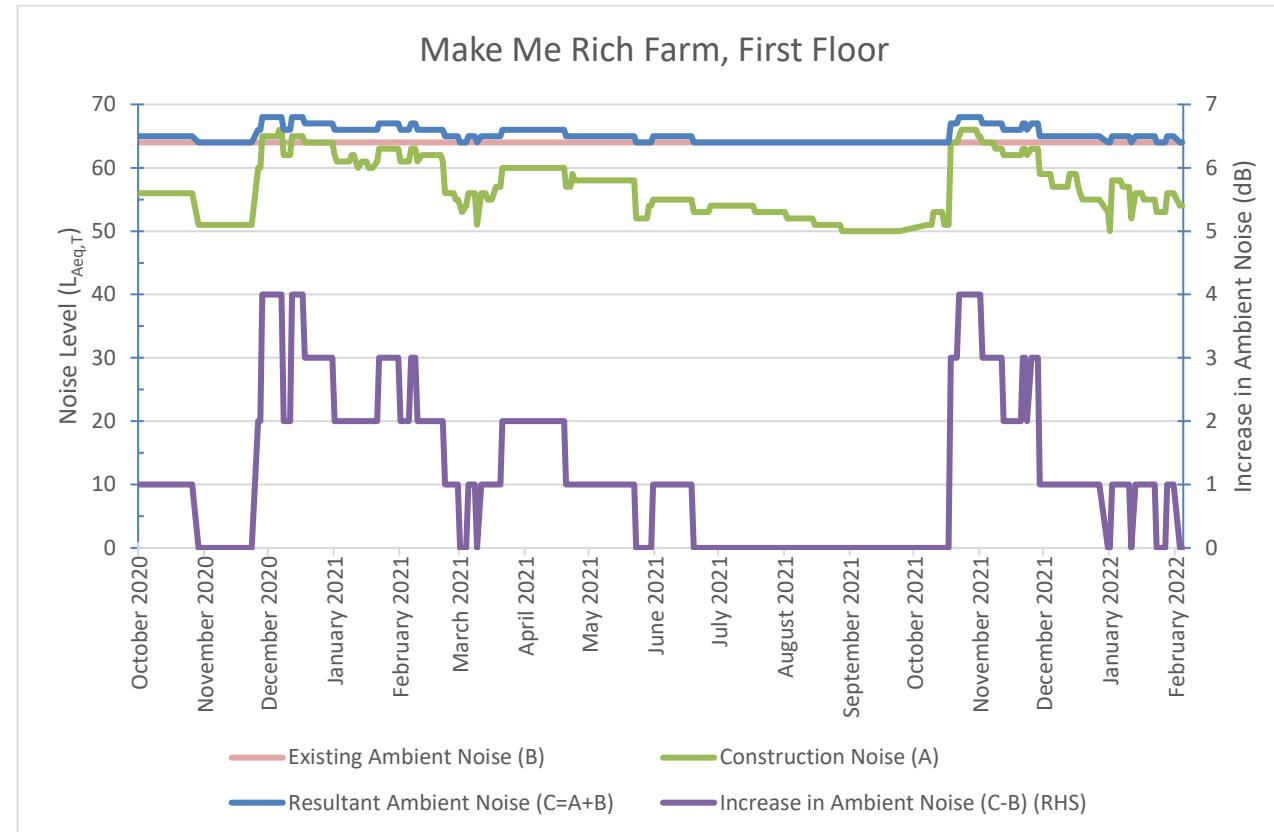
- 12.5A.58 The maximum daytime construction noise level at Sample Receptor 9 was predicted to be 66 dB L<sub>Aeq,12h</sub>. Which was predicted to occur on 10 and 11 December 2020 and between approximately 27 October and 3 November 2021. This would be anticipated to result in an increase in the daytime ambient noise level of 4 dB to 68 dB L<sub>Aeq,12h</sub> for a period of 9 days.
- 12.5A.59 Sample Receptor 9 was predicted to experience daytime construction noise levels of 65 dB L<sub>Aeq,12h</sub> for additional 15 days leading to an anticipated increase in the daytime ambient noise level by an amount similar to 12.5A.57.
- 12.5A.60 Daytime construction noise levels at Sample Receptor 9 were predicted to exceed the 65 dB L<sub>Aeq,12h</sub> threshold for potential significant effects for 24 days.
- 12.5A.61 Daytime ambient noise levels at Sample Receptor 9 were not predicted to be increased by 5 dB or more.
- 12.5A.62 No significant effect was predicted at Sample Receptor 9.
- 12.5A.63 Table 12.5-k shows the effect of the maximum construction noise level on the daytime ambient noise level at Sample Receptor 9. Figure 12.5.9 presents the time history graph for construction noise, showing projected fluctuations in construction noise at this receptor throughout the construction phase of the Scheme.

**Table 12.5-k: Days of each construction noise level and increase in daytime ambient noise level at Sample Receptor 9: Make Me Rich Farm**

Construction Noise Level (L <sub>Aeq,12h</sub> ) (A)	Resultant Daytime Total Ambient Noise Level (L <sub>Aeq,12h</sub> )	Increase in Daytime Ambient Noise Level (dB) (B)	Days of	
			Construction Noise Level (from A)	Increase in Daytime Ambient Noise Level (from B)
66	68	4	9	24
65			15	
64	67	3	16	37
63			21	
62			24	
61	66	2	17	71
60			30	
59			9	
58			28	
57	65	1	17	128
56			43	
55			31	

12.5A.64 The maximum night-time construction noise level at the façade of Sample Receptor 9 was predicted to be 51 dB L<sub>Aeq,1h</sub>. With an existing ambient noise level of 56 dB L<sub>Aeq,8h</sub>, this would be anticipated to result in an increase in the night-time ambient noise level of 1 dB to 57 dB L<sub>Aeq,8h</sub>. As such no significant adverse effect was predicted at Sample Receptor 9 from night-time construction activities.

**Figure 12.5.9: Predicted façade construction noise levels at Sample Receptor 9: Make Me Rich Farm – daytime**



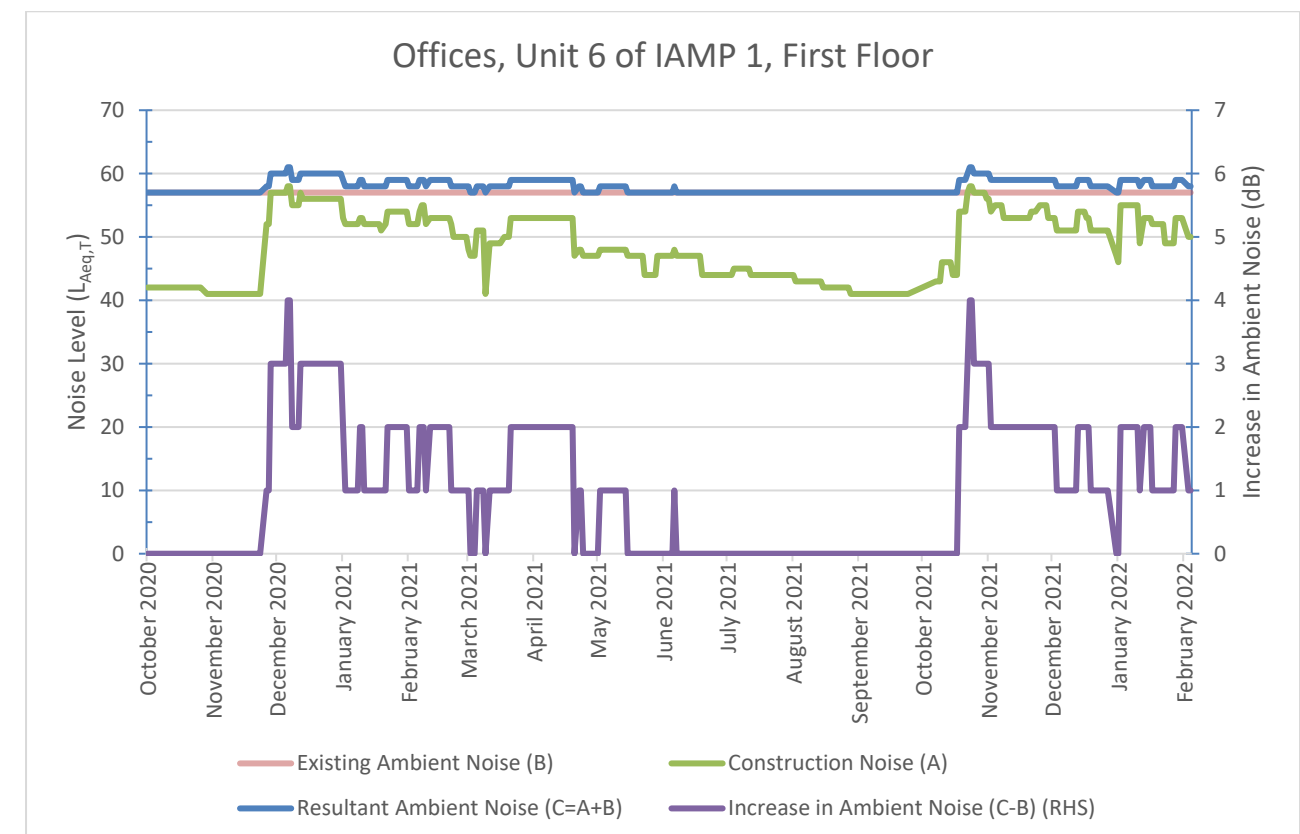
**Sample Receptor 10: Unit 6 of IAMP 1 Offices**

- 12.5A.65 Sample Receptor 10, Unit 6 of IAMP 1 Offices, was located to the south-west of the Scheme on the north-western façade of the building. A predicted daytime baseline noise level of 57 dB  $L_{Aeq,12h}$  façade noise level has been derived using the formulae contained within the TRL report 'Converting the UK traffic noise index  $L_{A10,18h}$  to EU noise indices for noise mapping'.
- 12.5A.66 The maximum daytime construction noise level at Sample Receptor 10 was predicted to be 58 dB  $L_{Aeq,12h}$ . Which was predicted to occur on 10 and 11 December 2020 and on 27 and 28 October 2021. This would be anticipated to result in an increase in the daytime ambient noise level of 4 dB to 61 dB  $L_{Aeq,12h}$  for a period of 4 days.
- 12.5A.67 Daytime ambient noise levels at Sample Receptor 10 were not predicted to be increased by 5 dB or more.
- 12.5A.68 No significant effect was predicted at Sample Receptor 10 as the noise level emanating from the construction activities fall below 65 dB  $L_{Aeq,12h}$  throughout the construction period.
- 12.5A.69 Table 12.5-I shows the effect of the maximum construction noise level on the daytime ambient noise level at Sample Receptor 10. Figure 12.5.10 presents the time history graph for construction noise, showing projected fluctuations in construction noise at this receptor throughout the construction phase of the Scheme.

**Table 12.5-I: Days of each construction noise level and increase in daytime ambient noise level at Sample Receptor 10: Unit 6 of IAMP 1 Offices**

Construction Noise Level ( $L_{Aeq,12h}$ ) (A)	Resultant Daytime Total Ambient Noise Level ( $L_{Aeq,12h}$ )	Increase in Daytime Ambient Noise Level (dB) (B)	Days of	
			Construction Noise Level (from A)	Increase in Daytime Ambient Noise Level (from B)
58	61	4	4	4
57	60	3	14	28
56			14	
55	59	2	21	101
54			20	
53			60	
52	58	1	27	83
51			19	
50			11	
49			11	
48			15	

**Figure 12.5.10: Predicted façade construction noise levels at Sample Receptor 10: Unit 6 of IAMP 1 Offices – daytime**



**Sample Receptor 11: The Chalet**

- 12.5A.70 Sample Receptor 11, The Chalet, would be located to the south-west of the Scheme. A predicted daytime baseline façade noise level of 59 dB  $L_{Aeq,12h}$  has been derived

using the formulae contained within the TRL report 'Converting the UK traffic noise index  $L_{A10,18h}$  to EU noise indices for noise mapping'. A predicted night-time baseline façade noise level of 53 dB  $L_{Aeq,8h}$  was derived using the same report.

- 12.5A.71 The maximum daytime construction noise level at the façade of Sample Receptor 11 was predicted to be 73 dB  $L_{Aeq,12h}$ , which was predicted to occur between approximately 17 and 21 December 2021. This would be anticipated to result in an increase in the daytime ambient noise level of 14 dB to 73 dB  $L_{Aeq,12h}$  for a period of 4 days.
- 12.5A.72 Daytime construction noise levels at Sample Receptor 11 were predicted to exceed the 65 dB  $L_{Aeq,12h}$  threshold for potential significant effects for 28 days.
- 12.5A.73 Daytime ambient noise levels at Sample Receptor 11 were predicted to be increased by 5 dB or more for 28 days.
- 12.5A.74 A potential significant effect was predicted at Sample Receptor 11 for a total of 28 days during December 2021 and January 2022. These significant effects were due to the construction activities associated with the Pegasus Crossing between 17 December 2021 and 24 January 2022.
- 12.5A.75 Table 12.5-m shows the effect of the maximum construction noise level on the daytime ambient noise level at Sample Receptor 11. Figure 12.5.11 presents the time history graph for construction noise, showing projected fluctuations in construction noise at this receptor throughout the construction phase of the Scheme.

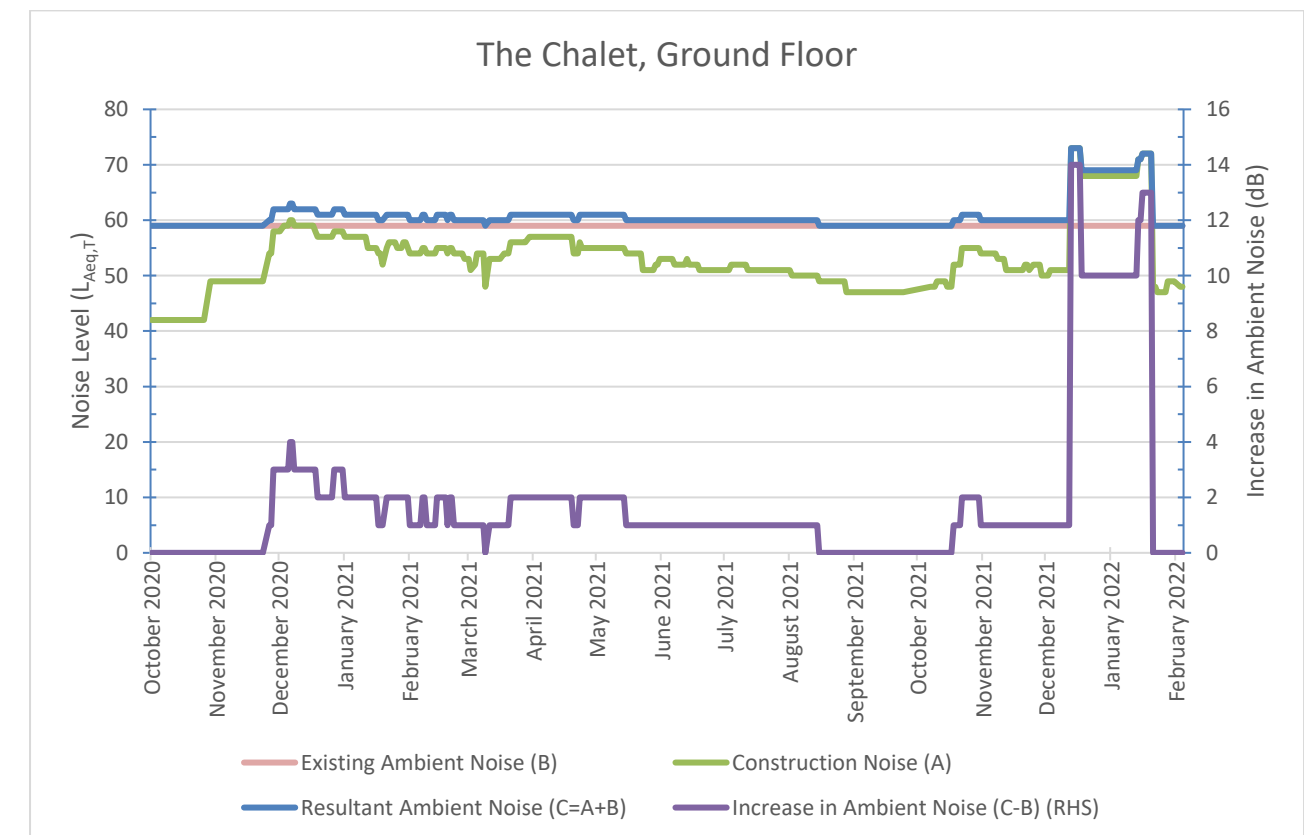
**Table 12.5-m: Days of each construction noise level and increase in daytime ambient noise level at Sample Receptor 11: The Chalet**

Construction Noise Level ( $L_{Aeq,12h}$ ) (A)	Resultant Daytime Total Ambient Noise Level ( $L_{Aeq,12h}$ )	Increase in Daytime Ambient Noise Level (dB) (B)	Days of	
			Construction Noise Level (from A)	Increase in Daytime Ambient Noise Level (from B)
73	73	14	4	4
72	72	13	4	4
71	71	12	2	2
70	70	11	0	0
69	69	10	0	18
68			18	
67 – 62	68 – 64	9 – 5	0	0
61	63	4	0	2
60			2	
59	62	3	11	19
58			8	
57	61	2	31	86
56			14	
55			41	
54	60	1	41	157
53			19	
52			29	

Construction Noise Level ( $L_{Aeq,12h}$ ) (A)	Resultant Daytime Total Ambient Noise Level ( $L_{Aeq,12h}$ )	Increase in Daytime Ambient Noise Level (dB) (B)	Days of	
			Construction Noise Level (from A)	Increase in Daytime Ambient Noise Level (from B)
51			54	
50			14	

- 12.5A.76 The maximum night-time construction noise level at the façade of Sample Receptor 11 was predicted to be 48 dB  $L_{Aeq,1h}$ . With an existing ambient noise level of 53 dB  $L_{Aeq,8h}$ , this would result in an increase in the night-time ambient noise level of 1 dB to 54 dB  $L_{Aeq,1h}$ . As such no significant adverse effect was predicted at Sample Receptor 11 from night-time construction activities.

**Figure 12.5.11: Predicted façade construction noise levels at Sample Receptor 11: The Chalet – daytime**





## APPENDIX 12.6 NOISE MODELLING DATA

12.6A.1 Table 12.6-a provides the predicted daytime and night-time noise levels for all receptors within the HD 213/11 – Revision 1 Calculation Area.

**Table 12.6-a: Predicted noise levels for sensitive receptors within the HD 213/11 Calculation Area**

Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
2 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434710.47	559188.69	64.2	65.2	64.1	65.1	54.8	55.5	54.7	55.4
3 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434720.4	559189.78	64.2	65.2	64.1	65.1	54.8	55.4	54.7	55.4
4 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434705.57	559186.55	64.5	65.5	64.3	65.3	55.0	55.7	55.0	55.6
6 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434696.55	559185.47	64.4	65.4	64.3	65.3	55.0	55.7	55.0	55.6
8 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434691.29	559183.17	64.8	65.8	64.7	65.7	55.3	56.0	55.3	56.0
9 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434537.11	559361.98	64.5	65.3	64.4	65.3	57.1	57.6	57.0	57.7
10 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434681.67	559182.33	64.7	65.7	64.5	65.6	55.2	55.9	55.1	55.8
12 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434676.04	559179.84	65.0	66.0	64.9	66.0	55.4	56.1	55.3	56.1
14 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434666.51	559178.71	65.0	66.1	65.0	66.0	55.6	56.3	55.5	56.3
16 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434661.38	559176.45	65.6	66.6	65.5	66.5	56.2	56.9	56.2	56.8
18 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434652.09	559175.64	65.5	66.5	65.3	66.4	56.3	57.0	56.2	56.9
20 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434647.2	559173.46	65.9	67.0	65.8	66.8	56.7	57.4	56.6	57.3
22 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434637.28	559172.53	65.9	67.0	65.8	66.8	56.8	57.5	56.8	57.4
24 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434624.92	559172.02	66.3	67.4	66.2	67.3	58.0	58.7	58.0	58.7
26 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434622.31	559181.32	65.5	66.4	65.4	66.3	57.8	58.4	57.7	58.4
34 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434616.7	559194.22	65.0	65.9	64.9	65.8	57.6	58.2	57.5	58.2
36 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434614.46	559199.25	64.8	65.7	64.7	65.6	57.4	58.1	57.4	58.0
38 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434610.58	559205.68	64.7	65.6	64.6	65.5	57.4	58.0	57.4	58.0
40 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434608.17	559211.06	64.7	65.5	64.6	65.4	57.4	58.0	57.4	58.0
42 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434605.33	559216.25	64.6	65.5	64.5	65.4	57.4	58.0	57.4	58.0
44 BALTIMORE AVENUE CASTLETOWN FULWELL	DWELLING	434603.63	559220.15	64.6	65.4	64.5	65.3	57.4	58.0	57.3	57.9
52 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434584.29	559258.91	64.5	65.3	64.3	65.2	57.3	57.9	57.2	57.8
54 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434581.29	559265.71	64.5	65.3	64.4	65.2	57.3	57.9	57.3	57.9
56 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434579.09	559270.74	64.5	65.3	64.3	65.2	57.3	57.8	57.2	57.8
58 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434576.78	559276.03	64.4	65.2	64.3	65.2	57.2	57.7	57.2	57.8
60 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434574.37	559281.81	64.3	65.2	64.2	65.1	57.1	57.7	57.1	57.7
62 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434572.16	559286.87	64.4	65.2	64.2	65.1	57.1	57.7	57.1	57.7
64 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434569.91	559292.05	64.4	65.2	64.3	65.1	57.1	57.7	57.1	57.7
66 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434567.04	559298.3	64.4	65.3	64.3	65.2	57.1	57.8	57.1	57.7
68 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434565.16	559302.6	64.4	65.3	64.3	65.2	57.2	57.8	57.1	57.7
70 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434562.7	559308.22	64.5	65.4	64.4	65.2	57.2	57.9	57.2	57.7
72 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434559.89	559314.59	64.6	65.4	64.5	65.3	57.3	57.9	57.2	57.8
74 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434557.88	559319.19	64.6	65.5	64.5	65.4	57.3	57.9	57.2	57.8
76 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434555.5	559324.64	64.5	65.4	64.4	65.3	57.2	57.8	57.2	57.8
78 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434553.36	559329.57	64.5	65.3	64.3	65.2	57.2	57.7	57.1	57.7
80 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434551.68	559333.42	64.4	65.2	64.3	65.2	57.1	57.6	57.1	57.7
82 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434548	559339.1	64.5	65.4	64.4	65.3	57.1	57.7	57.1	57.7
88 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434534.48	559368.14	64.5	65.3	64.4	65.3	57.0	57.5	57.0	57.6
90 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434531.48	559375.1	64.3	65.2	64.3	65.2	56.8	57.5	56.9	57.5
92 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434529.33	559380.11	64.3	65.2	64.3	65.2	56.8	57.4	56.8	57.4
94 BALTIMORE AVENUE TOWN END FARM FULWELL	DWELLING	434527.27	559384.9	64.3	65.1	64.2	65.1	56.7	57.3	56.8	57.3
96 BALTIMORE AVENUE	DWELLING	434524.23	559391.93	64.2	65.0	64.1	65.0	56.6	57.2	56.6	57.2
98 BALTIMORE AVENUE	DWELLING	434522.49	559395.92	64.2	65.0	64.1	64.9	56.6	57.2	56.6	57.1
100 BALTIMORE AVENUE	DWELLING	434520.27	559400.99	64.1	65.0	64.0	64.9	56.5	57.0	56.5	57.1
102 BALTIMORE AVENUE	DWELLING	434513.83	559416.37	64.0	64.8	64.0	64.8	56.3	56.9	56.3	56.9
104 BALTIMORE AVENUE	DWELLING	434509.29	559424.26	64.1	64.9	64.1	64.9	56.3	56.9	56.4	56.9
114 BALTIMORE AVENUE	DWELLING	434495.13	559445.43	64.6	65.4	64.5	65.3	56.5	57.1	56.6	57.1
116 BALTIMORE AVENUE	DWELLING	434492.26	559454.71	64.4	65.2	64.4	65.1	56.4	56.9	56.5	57.0
126 BALTIMORE AVENUE	DWELLING	434484.28	559471.95	64.3	65.0	64.3	64.9	56.2	56.7	56.3	56.8
128 BALTIMORE AVENUE	DWELLING	434479.37	559480.32	64.3	65.0	64.4	65.0	56.2	56.7	56.3	56.8
138 BALTIMORE AVENUE	DWELLING	434468.79	559503.85	64.3	65.0	64.2	64.9	56.2	56.7	56.2	56.7
140 BALTIMORE AVENUE	DWELLING	434465.98	559513.24	64.1	64.9	64.0	64.7	56.0	56.5	56.0	56.5
150 BALTIMORE AVENUE	DWELLING	434457.97	559531.02	64.0	65.0	64.0	64.9	55.9	56.5	56.0	56.6
152 BALTIMORE AVENUE	DWELLING	434453.61	559538.86	64.1	65.0	64.0	64.9	56.0	56.5	56.0	56.6
1 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434770.04	559200.15	63.4	64.3	63.4	64.3	53.5	54.2	53.5	54.2
2 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434763.14	559197.1	63.7	64.7	63.7	64.6	53.8	54.5	53.8	54.4
3 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434776.36	559202.95	63.2	64.2	63.1	64.1	53.3	54.0	53.3	54.0
4 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434756.47	559194.15	64.2	65.2	64.1	65.1	54.2	55.0	54.2	54.9
5 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434782.08	559205.48	63.0	64.0	62.9	63.9	53.1	53.9	53.1	53.8
7 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434789.15	559208.55	62.8	63.9	62.8	63.8	52.9	53.6	52.9	53.6
9 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434795.45	559211.23	62.4	63.4	62.3	63.3	52.5	53.3	52.5	53.2
21 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434786.97	559227.59	57.6	58.5	57.6	58.4	49.5	50.1	49.5	50.1
23 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434788.04	559237.52	55.6	56.6	55.6	56.5	45.7	46.5	45.7	46.4
25 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434785.67	559242.95	55.4	56.4	55.4	56.3	45.8	46.5	45.8	46.5
27 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434782.68	559249.78	55.2	56.2	55.2	56.1	45.9	46.7	45.9	46.6
29 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434780.29	559255.24	55.1	56.1	55.1	55.9	46.0	46.7	46.0	46.7
31 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434777.11	559262.52	54.5	55.5	54.5	55.3	45.5	46.2	45.5	46.2
33 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434774.83	559267.79	54.3	55.2	54.3	55.1	45.5	46.2	45.5	46.2
35 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434771.93	559274.49	54.0	54.9	54.0	54.8	45.6	46.2	45.6	46.2
37 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434769.91	559279.15	53.8	54.6	53.8	54.6	45.5	46.2	45.5	46.2
39 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434767.49	559284.75	53.5	54.4	53.6	54.4	45.5	46.2	45.6	46.2
41 BALTIMORE SQUARE CASTLETOWN FULWELL	DWELLING	434765.01	559291.04	53.4	54.3	53.3	54.2	45.6	46.2	45.6	46.2

Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
1 BARKING CRESCENT TOWN END FARM FULWELL	DWELLING	434586.93	559252.85	64.5	65.3	64.3	65.2	57.3	57.9	57.2	57.8
2 BARKING CRESCENT CASTLETOWN FULWELL	DWELLING	434615.35	559238.37	58.5	59.5	58.5	59.5	52.0	52.7	52.0	52.7
3 BARKING CRESCENT CASTLETOWN FULWELL	DWELLING	434627.73	559243.63	57.6	58.5	57.5	58.5	51.2	51.8	51.1	51.8
4 BARKING CRESCENT CASTLETOWN FULWELL	DWELLING	434620.69	559240.65	58.1	59.1	58.0	59.0	51.7	52.3	51.6	52.3
4 BARKING CRESCENT CASTLETOWN FULWELL	DWELLING	434717.2	559277.72	56.6	57.5	56.5	57.4	50.2	50.8	50.2	50.8
6 BARKING CRESCENT CASTLETOWN FULWELL	DWELLING	434673.22	559263.01	55.9	56.9	55.9	57.0	49.7	50.3	49.7	50.4
8 BARKING CRESCENT CASTLETOWN FULWELL	DWELLING	434678.46	559265.2	55.9	57.0	55.9	57.0	49.7	50.4	49.7	50.4
10 BARKING CRESCENT CASTLETOWN FULWELL	DWELLING	434686.24	559268.56	55.7	56.7	55.7	56.7	49.5	50.1	49.4	50.1
10 BARKING CRESCENT CASTLETOWN FULWELL	DWELLING	434692.54	559271.21	55.5	56.5	55.4	56.5	49.3	49.9	49.2	49.9
15 BARKING CRESCENT TOWN END FARM FULWELL	DWELLING	434617.07	559261.82	58.2	59.1	58.2	59.0	51.9	52.6	51.9	52.5
17 BARKING CRESCENT TOWN END FARM FULWELL	DWELLING	434659.98	559279.92	56.3	57.2	56.2	57.1	50.1	50.8	50.1	50.8
22 BARKING CRESCENT CASTLETOWN FULWELL	DWELLING	434762.17	559297.41	53.3	54.2	53.3	54.2	45.7	46.4	45.7	46.4
24 BARKING CRESCENT CASTLETOWN FULWELL	DWELLING	434751.33	559286.51	54.6	55.5	54.5	55.3	48.5	49.1	48.4	49.0
27 BARKING CRESCENT TOWN END FARM FULWELL	DWELLING	434689.85	559317.51	55.7	56.6	55.6	56.6	49.4	50.0	49.4	50.1
29 BARKING CRESCENT TOWN END FARM FULWELL	DWELLING	434702.35	559317.57	54.6	55.4	54.5	55.4	48.5	49.1	48.5	49.0
31 BARKING CRESCENT TOWN END FARM FULWELL	DWELLING	434709.34	559320.66	54.6	55.4	54.5	55.3	48.4	49.0	48.4	49.0
33 BARKING CRESCENT TOWN END FARM FULWELL	DWELLING	434722.16	559324.85	55.0	56.0	55.0	56.0	49.0	49.6	49.0	49.6
35 BARKING CRESCENT TOWN END FARM FULWELL	DWELLING	434718.96	559332.57	54.9	55.9	54.9	55.9	48.9	49.5	48.9	49.6
37 BARKING CRESCENT TOWN END FARM FULWELL	DWELLING	434712.93	559341.05	54.6	55.6	54.6	55.6	48.5	49.1	48.5	49.2
46 BARKING CRESCENT CASTLETOWN FULWELL	DWELLING	434599.91	559226.42	64.6	65.4	64.5	65.3	57.4	58.0	57.3	57.9
96 BARKING CRESCENT TOWN END FARM FULWELL	DWELLING	434678.87	559292.12	56.9	57.8	56.9	57.9	50.7	51.3	50.7	51.3
2A BARKING CRESCENT CASTLETOWN FULWELL	DWELLING	434608.41	559235.47	59.5	60.4	59.4	60.3	52.9	53.5	52.8	53.5
4A BARKING CRESCENT CASTLETOWN FULWELL	DWELLING	434627.73	559243.63	57.6	58.5	57.5	58.5	51.2	51.8	51.1	51.8
6A BARKING CRESCENT CASTLETOWN FULWELL	DWELLING	434665.77	559259.92	56.4	57.5	56.4	57.4	50.1	50.8	50.1	50.8
5 BARKING SQUARE CASTLETOWN FULWELL	DWELLING	434657.51	559251.19	57.8	58.7	57.7	58.6	51.4	52.1	51.3	52.0
6 BARKING SQUARE CASTLETOWN FULWELL	DWELLING	434662.18	559242.93	57.5	58.5	57.5	58.4	51.2	51.9	51.2	51.9
7 BARKING SQUARE CASTLETOWN FULWELL	DWELLING	434665.53	559235.29	57.2	58.2	57.2	58.2	50.9	51.6	50.9	51.6
8 BARKING SQUARE CASTLETOWN FULWELL	DWELLING	434667.75	559230.22	57.2	58.1	57.1	58.1	50.9	51.5	50.8	51.5
9 BARKING SQUARE CASTLETOWN FULWELL	DWELLING	434670.2	559224.57	57.1	58.0	57.1	57.9	50.8	51.4	50.8	51.4
10 BARKING SQUARE CASTLETOWN FULWELL	DWELLING	434678.47	559217.88	56.4	57.3	56.4	57.2	50.1	50.7	50.0	50.6
11 BARKING SQUARE CASTLETOWN FULWELL	DWELLING	434672.37	559206.05	57.2	58.0	57.2	58.0	50.8	51.4	50.8	51.4
12 BARKING SQUARE CASTLETOWN FULWELL	DWELLING	434664.11	559202.48	57.9	58.7	57.8	58.7	51.3	52.0	51.3	51.9
14 BARKING SQUARE CASTLETOWN FULWELL	DWELLING	434649.9	559205.65	58.4	59.2	58.4	59.2	52.0	52.5	52.0	52.5
15 BARKING SQUARE CASTLETOWN FULWELL	DWELLING	434642.18	559212.21	59.1	60.0	59.1	60.0	52.5	53.1	52.5	53.1
16 BARKING SQUARE CASTLETOWN FULWELL	DWELLING	434639.53	559218.49	59.2	60.2	59.2	60.1	52.7	53.4	52.7	53.3
17 BARKING SQUARE CASTLETOWN FULWELL	DWELLING	434637.32	559223.5	59.8	60.6	59.4	60.3	53.1	53.6	53.0	53.5
18 BARKING SQUARE CASTLETOWN FULWELL	DWELLING	434634.12	559230.89	58.5	59.3	58.4	59.2	52.1	52.7	52.0	52.6
19 BARKING SQUARE CASTLETOWN FULWELL	DWELLING	434634.15	559246.39	57.0	58.0	57.0	58.0	50.7	51.4	50.7	51.4
1 BARNHAM CLOSE TOWN END FARM FULWELL	DWELLING	435022.99	559462.24	49.8	50.6	49.6	50.3	43.2	43.6	43.1	43.5
2 BARNHAM CLOSE TOWN END FARM FULWELL	DWELLING	435021.51	559457.98	50.1	50.8	49.9	50.6	43.4	43.8	43.3	43.7
6 BARNHAM CLOSE TOWN END FARM FULWELL	DWELLING	435046.55	559436.36	51.2	51.9	51.0	51.7	44.1	44.6	44.0	44.5
7 BARNHAM CLOSE TOWN END FARM FULWELL	DWELLING	435045.3	559433.68	51.6	52.3	51.4	52.1	44.7	45.1	44.6	45.1
8 BARNHAM CLOSE TOWN END FARM FULWELL	DWELLING	435010.24	559442.85	51.2	52.1	51.0	52.0	45.1	45.6	45.0	45.6
9 BARNHAM CLOSE TOWN END FARM FULWELL	DWELLING	435018.14	559448.31	50.2	50.9	50.0	50.7	43.4	43.9	43.3	43.8
22 BARROW STREET TOWN END FARM FULWELL	DWELLING	434955.47	559577.34	50.6	51.5	50.5	51.4	44.8	45.3	44.7	45.3
1 BATHGATE AVENUE	DWELLING	434551.13	559581.75	56.3	57.1	56.3	57.2	50.0	50.6	50.0	50.6
2 BATHGATE AVENUE	DWELLING	434531.12	559558.49	57.0	57.8	57.1	57.9	50.5	51.0	50.5	51.1
3 BATHGATE AVENUE	DWELLING	434559.88	559590.51	55.1	56.2	55.1	56.2	48.8	49.4	48.8	49.5
4 BATHGATE AVENUE	DWELLING	434533.55	559552.86	57.1	58.2	57.2	58.1	50.5	51.2	50.6	51.3
6 BATHGATE AVENUE	DWELLING	434535.91	559547.37	57.1	58.3	57.2	58.3	50.5	51.2	50.6	51.3
8 BATHGATE AVENUE	DWELLING	434554.73	559503.34	56.4	57.2	56.4	57.3	50.0	50.6	50.1	50.7
10 BATHGATE AVENUE	DWELLING	434556.81	559498.53	56.8	57.6	56.9	57.7	50.3	50.9	50.4	51.0
12 BATHGATE AVENUE	DWELLING	434560.32	559490.18	57.0	57.8	57.1	57.9	50.5	51.0	50.5	51.1
14 BATHGATE AVENUE	DWELLING	434562.79	559484.58	56.7	57.6	56.8	57.7	50.3	50.9	50.3	50.9
15 BATHGATE AVENUE	DWELLING	434559.42	559565.46	56.3	57.1	56.3	57.2	50.0	50.6	50.0	50.6
16 BATHGATE AVENUE	DWELLING	434581.7	559440.48	56.7	57.7	56.7	57.7	50.4	51.0	50.4	51.1
17 BATHGATE AVENUE	DWELLING	434561.51	559560.66	56.3	57.2	56.3	57.2	50.0	50.6	50.0	50.6
18 BATHGATE AVENUE	DWELLING	434583.95	559435.26	56.9	57.9	56.9	57.9	50.6	51.2	50.6	51.3
19 BATHGATE AVENUE	DWELLING	434564.19	559554.3	56.4	57.2	56.5	57.3	50.0	50.6	50.1	50.7
20 BATHGATE AVENUE	DWELLING	434586.64	559428.97	57.0	58.0	57.0	58.1	50.6	51.3	50.6	51.4
21 BATHGATE AVENUE	DWELLING	434566.42	559549.14	56.4	57.3	56.4	57.3	50.1	50.7	50.1	50.7
22 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434588.73	559424.02	57.0	58.0	57.1	58.1	50.6	51.3	50.7	51.4
24 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434590.77	559419.18	57.1	58.1	57.1	58.2	50.7	51.4	50.7	51.4
26 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434593.6	559412.79	57.2	58.2	57.2	58.2	50.7	51.4	50.7	51.5
28 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434595.88	559407.46	57.1	58.2	57.2	58.2	50.7	51.3	50.7	51.4
30 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434610.35	559389.54	55.2	56.1	55.1	56.1	49.1	49.7	49.0	49.7
52 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434616.88	559374.7	55.6	56.7	55.7	56.7	49.4	50.1	49.4	50.1
54 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434625.34	559378.24	55.8	56.8	55.9	56.8	49.5	50.2	49.6	50.2
56 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434630.89	559380.66	55.9	57.0	56.0	57.0	49.6	50.3	49.7	50.4
64 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434638.73	559384.03	55.8	56.8	55.9	56.9	49.5	50.2	49.6	50.3
66 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434645.06	559386.77	55.8	56.8	55.8	56.9	49.5	50.2	49.5	50.2
68 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434644.58	559371.85	55.7	56.6	55.7	56.6	49.6	50.2	49.6	50.3
70 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434647.95	559364.06	56.1	57.0	56.1	57.0	49.9	50.5	50.0	50.6
71 BATHGATE AVENUE	DWELLING	434603.42	559463.15	56.5	57.5	56.5	57.5	50.2	50.8	50.2	50.9

Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
72 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434650.16	559358.91	56.2	57.1	56.1	57.1	50.0	50.6	50.0	50.7
73 BATHGATE AVENUE	DWELLING	434605.45	559458.37	56.4	57.4	56.5	57.4	50.1	50.7	50.2	50.8
74 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434652.33	559353.86	56.3	57.2	56.2	57.2	50.1	50.7	50.1	50.8
75 BATHGATE AVENUE	DWELLING	434607.2	559454.24	56.4	57.3	56.4	57.4	50.1	50.7	50.2	50.8
76 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434654.99	559347.68	56.3	57.3	56.3	57.2	50.1	50.8	50.1	50.8
78 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434657.12	559342.73	56.4	57.3	56.3	57.3	50.2	50.8	50.1	50.8
80 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434659.46	559337.28	56.4	57.3	56.3	57.3	50.2	50.8	50.1	50.8
82 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434661.86	559331.74	56.6	57.5	56.5	57.4	50.3	51.0	50.3	50.9
84 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434664.26	559326.2	56.7	57.6	56.6	57.5	50.4	51.0	50.4	51.0
85 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434662.96	559404.64	55.8	56.7	55.8	56.8	49.6	50.2	49.7	50.3
86 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434666.56	559320.87	56.8	57.7	56.7	57.6	50.5	51.1	50.5	51.1
87 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434665.18	559399.5	56.0	57.1	56.1	57.1	49.8	50.5	49.8	50.5
88 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434668.78	559315.74	56.8	57.8	56.8	57.7	50.6	51.2	50.6	51.2
89 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434667.53	559394.05	56.1	57.1	56.2	57.2	49.9	50.5	49.9	50.6
90 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434671.2	559310.15	56.8	57.7	56.8	57.7	50.6	51.2	50.6	51.2
91 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434669.76	559388.89	56.0	57.1	56.0	57.0	49.8	50.5	49.8	50.5
92 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434673.35	559305.17	56.8	57.7	56.8	57.8	50.6	51.2	50.6	51.3
93 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434672.2	559383.23	55.9	56.9	55.9	57.0	49.7	50.4	49.7	50.5
94 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434676.17	559298.42	56.8	57.7	56.8	57.7	50.6	51.2	50.6	51.3
95 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434674.78	559377.25	55.8	56.8	55.9	56.9	49.7	50.3	49.7	50.4
97 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434676.96	559372.2	55.8	56.8	55.8	56.8	49.6	50.3	49.6	50.3
99 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434679.18	559367.04	55.7	56.7	55.7	56.7	49.6	50.2	49.6	50.3
101 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434684.9	559350.71	55.6	56.6	55.6	56.5	49.5	50.1	49.5	50.1
111 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434697.13	559350.72	53.9	54.8	53.8	54.7	47.9	48.5	47.8	48.5
113 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434704.68	559353.74	53.7	54.6	53.7	54.5	47.7	48.3	47.7	48.3
115 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434709.82	559355.98	53.7	54.5	53.6	54.5	47.6	48.2	47.6	48.2
117 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434715.41	559358.41	53.6	54.5	53.5	54.4	47.4	48.1	47.4	48.1
119 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434722.53	559361.27	53.5	54.3	53.5	54.3	47.3	47.9	47.3	47.9
121 BATHGATE AVENUE TOWN END FARM FULWELL	DWELLING	434729.05	559363.98	53.5	54.4	53.5	54.3	47.2	47.8	47.2	47.8
16A BATHGATE AVENUE	DWELLING	434578.63	559447.33	56.1	57.0	56.1	57.0	49.8	50.5	49.9	50.5
2A BATHGATE AVENUE	DWELLING	434528.21	559564.49	56.4	57.2	56.4	57.2	50.0	50.6	50.1	50.6
6A BATHGATE AVENUE	DWELLING	434538.56	559541.04	56.9	58.2	57.0	58.2	50.4	51.1	50.5	51.2
1 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434726.71	559192.55	64.0	64.9	63.9	64.9	54.5	55.1	54.5	55.1
1 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434722.82	559264.83	57.3	58.2	57.1	58.0	50.8	51.3	50.7	51.3
2 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434719.92	559271.49	56.6	57.6	56.5	57.5	50.2	50.9	50.2	50.8
3 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434724.9	559259.97	57.6	58.5	57.3	58.3	51.0	51.6	51.0	51.5
5 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434727.21	559254.57	57.7	58.6	57.5	58.3	51.1	51.6	51.1	51.5
7 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434729.98	559248.1	57.9	58.8	57.7	58.6	51.2	51.8	51.2	51.7
9 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434732.48	559242.27	58.6	59.4	58.3	59.2	51.9	52.3	51.8	52.2
11 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434735.47	559235.27	58.9	59.8	58.7	59.5	52.0	52.5	51.9	52.4
12 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434692.91	559255.76	58.3	59.1	58.0	58.9	51.9	52.4	51.8	52.3
14 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434696.91	559246.75	59.0	59.8	58.7	59.6	52.5	53.0	52.4	53.0
15 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434737.84	559229.73	59.1	60.0	58.9	59.7	52.1	52.6	52.0	52.5
16 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434699.16	559241.59	59.1	59.9	58.8	59.7	52.6	53.1	52.5	53.1
17 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434740.57	559223.34	59.6	60.5	59.4	60.3	52.5	53.0	52.4	52.9
18 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434702.64	559233.53	58.6	59.4	58.4	59.3	52.1	52.7	52.1	52.7
19 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434742.83	559218.05	60.0	60.8	59.8	60.7	52.7	53.2	52.6	53.1
20 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434704.72	559228.69	58.4	59.3	58.3	59.2	52.0	52.6	51.9	52.5
21 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434750.89	559211.86	59.7	60.6	59.6	60.5	52.2	52.8	52.2	52.8
22 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434710.53	559215.32	57.9	58.8	57.8	58.7	51.5	52.1	51.4	52.1
24 BATHGATE SQUARE CASTLETOWN FULWELL	DWELLING	434712.65	559210.41	58.6	59.5	58.3	59.2	52.0	52.5	51.9	52.4
2 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434994.98	559366.71	51.4	52.4	51.3	52.2	45.1	45.8	45.1	45.7
4 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434984.71	559371.43	51.5	52.4	51.4	52.3	45.2	45.8	45.2	45.8
6 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434979.76	559373.73	51.5	52.4	51.4	52.2	45.2	45.7	45.2	45.7
8 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434970.58	559377.98	51.6	52.5	51.5	52.3	45.3	45.8	45.3	45.8
10 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434965.34	559380.23	51.5	52.4	51.4	52.3	45.3	45.8	45.2	45.8
12 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434956.52	559383.09	51.4	52.3	51.4	52.2	45.2	45.7	45.2	45.7
14 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434950.79	559384.41	51.5	52.4	51.4	52.3	45.2	45.8	45.2	45.8
15 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434971.24	559345.89	52.0	52.9	51.9	52.7	45.6	46.2	45.6	46.1
16 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434941.02	559386.27	51.5	52.4	51.4	52.2	45.1	45.8	45.2	45.7
17 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434967.11	559347.89	52.1	52.9	51.9	52.7	45.6	46.1	45.6	46.1
18 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434935.77	559387.13	51.5	52.4	51.5	52.3	45.3	45.8	45.2	45.8
19 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434958.81	559351.49	51.7	52.7	51.7	52.6	45.3	45.8	45.3	45.9
20 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434924.75	559387.99	51.5	52.3	51.3	52.2	45.2	45.8	45.2	45.8
21 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434954.18	559353.4	51.8	52.7	51.7	52.6	45.3	46.0	45.3	45.9
23 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434931.71	559359.29	51.3	52.2	51.3	52.0	44.9	45.5	44.9	45.4
23 BATLEY STREET CASTLETOWN FULWELL	DWELLING	435001.5	559362.49	52.7	53.6	52.6	53.4	45.9	46.4	45.8	46.4
25 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434926.77	559358.67	51.3	52.2	51.2	52.1	44.7	45.4	44.8	45.3
33 BATLEY STREET CASTLETOWN FULWELL	DWELLING	434917.36	559387.26	51.8	52.7	51.6	52.5	45.6	46.1	45.5	46.1
65 BAXTER ROAD	DWELLING	434956.27	559808.49	51.9	52.9	51.7	52.8	46.1	46.7	46.0	46.6
67 BAXTER ROAD	DWELLING	434953.83	559811.41	51.9	52.8	51.6	52.7	46.1	46.6	45.9	46.5
69 BAXTER ROAD	DWELLING	434948.69	559815.81	51.7	52.8	51.5	52.5	45.9	46.5	45.8	46.4
71 BAXTER ROAD	DWELLING	434944.52	559818.16	51.6	52.7	51.4	52.5	45.8	46.4	45.7	46.3
73 BAXTER ROAD	DWELLING	434937.74	559820.41	51.5	52.6	51.3	52.3	45.7	46.3	45.5	46.1



Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
75 BAXTER ROAD	DWELLING	434933.06	559821.27	51.5	52.4	51.3	52.3	45.7	46.2	45.5	46.1
77 BAXTER ROAD	DWELLING	434924.46	559829.45	50.8	51.9	50.7	51.8	45.0	45.7	44.8	45.6
79 BAXTER ROAD	DWELLING	434920.64	559828.54	50.8	51.9	50.7	51.8	45.1	45.7	44.9	45.6
81 BAXTER ROAD	DWELLING	434913.31	559826.44	50.8	51.9	50.7	51.8	45.1	45.7	44.9	45.6
83 BAXTER ROAD	DWELLING	434909.14	559825.2	50.9	51.9	50.7	51.8	45.1	45.7	44.9	45.6
85 BAXTER ROAD	DWELLING	434902.29	559823.02	50.8	51.9	50.7	51.8	45.0	45.7	44.8	45.6
87 BAXTER ROAD	DWELLING	434897.38	559821.49	50.8	51.9	50.7	51.8	45.0	45.7	44.8	45.6
89 BAXTER ROAD	DWELLING	434890.69	559819.44	50.8	51.9	50.6	51.8	45.0	45.7	44.8	45.6
91 BAXTER ROAD	DWELLING	434886.35	559818.04	50.8	51.9	50.7	51.9	45.1	45.7	44.9	45.7
93 BAXTER ROAD	DWELLING	434875.9	559814.17	51.1	52.2	51.0	52.2	45.3	45.9	45.2	45.9
95 BAXTER ROAD	DWELLING	434846.89	559794.18	51.2	52.3	51.1	52.2	45.4	46.1	45.3	46.0
97 BAXTER ROAD	DWELLING	434836.34	559784.46	51.3	52.3	51.2	52.3	45.5	46.1	45.4	46.1
99 BAXTER ROAD	DWELLING	434830.57	559778.83	51.4	52.4	51.3	52.3	45.6	46.2	45.5	46.1
101 BAXTER ROAD	DWELLING	434822.81	559770.92	51.5	52.5	51.4	52.4	45.6	46.3	45.6	46.2
103 BAXTER ROAD	DWELLING	434817.91	559765.7	51.4	52.5	51.4	52.4	45.6	46.3	45.6	46.2
105 BAXTER ROAD	DWELLING	434811.09	559758.07	51.6	52.6	51.6	52.6	45.8	46.5	45.7	46.4
107 BAXTER ROAD	DWELLING	434782.71	559725.89	51.8	52.9	51.8	52.8	46.0	46.6	45.9	46.6
109 BAXTER ROAD	DWELLING	434775.37	559717.61	52.0	53.0	52.0	53.0	46.2	46.8	46.1	46.7
111 BAXTER ROAD	DWELLING	434772.17	559714.13	52.3	53.3	52.2	53.3	46.4	47.1	46.3	47.0
113 BAXTER ROAD	DWELLING	434766.11	559707.46	52.3	53.3	52.3	53.3	46.4	47.1	46.3	47.0
156 BAXTER ROAD	DWELLING	434846.94	559880.23	54.1	55.3	54.0	55.2	48.0	48.7	47.9	48.6
158 BAXTER ROAD	DWELLING	434849.22	559875.84	54.0	55.1	53.8	54.9	48.0	48.6	47.8	48.5
160 BAXTER ROAD	DWELLING	434851.84	559870.92	53.8	54.8	53.6	54.7	47.8	48.4	47.7	48.3
162 BAXTER ROAD	DWELLING	434853.68	559867.45	53.7	54.8	53.5	54.6	47.7	48.3	47.6	48.3
164 BAXTER ROAD	DWELLING	434857.54	559860.24	53.4	54.4	53.2	54.3	47.4	48.0	47.3	48.0
166 BAXTER ROAD	DWELLING	434860	559855.67	52.6	53.7	52.5	53.6	46.7	47.4	46.6	47.3
168 BAXTER ROAD	DWELLING	434862.65	559850.72	52.0	53.0	51.9	53.0	46.1	46.8	46.1	46.8
170 BAXTER ROAD	DWELLING	434874.68	559848.93	47.5	48.4	47.5	48.3	41.5	42.1	41.5	42.1
172 BAXTER ROAD	DWELLING	434873.76	559842.57	50.8	51.7	50.6	51.5	44.9	45.4	44.8	45.4
174 BAXTER ROAD	DWELLING	434869.97	559840.51	51.1	52.0	50.9	51.9	45.2	45.7	45.1	45.7
176 BAXTER ROAD	DWELLING	434865.74	559839.42	50.9	51.8	50.7	51.6	45.0	45.5	45.0	45.5
178 BAXTER ROAD	DWELLING	434861.45	559837.07	51.5	52.6	51.2	52.3	45.6	46.2	45.5	46.1
180 BAXTER ROAD	DWELLING	434847.98	559828.66	50.1	51.1	50.1	50.9	44.3	44.9	44.4	44.9
182 BAXTER ROAD	DWELLING	434844.81	559826.77	50.3	51.2	50.1	51.0	44.4	45.0	44.4	44.9
184 BAXTER ROAD	DWELLING	434842.31	559824.23	50.6	51.6	50.5	51.3	44.8	45.3	44.8	45.3
186 BAXTER ROAD	DWELLING	434839.62	559822.71	51.0	51.8	50.8	51.7	45.1	45.6	45.1	45.6
186 BAXTER ROAD	DWELLING	434777.74	559761.68	50.4	51.2	50.3	51.1	44.6	45.2	44.6	45.1
188 BAXTER ROAD	DWELLING	434834.32	559823.24	52.7	53.7	52.5	53.5	46.8	47.4	46.7	47.3
188 BAXTER ROAD	DWELLING	434762	559760.51	52.0	53.0	52.0	53.0	46.2	46.9	46.1	46.8
190 BAXTER ROAD	DWELLING	434832.85	559825.73	52.7	53.8	52.6	53.6	46.8	47.5	46.7	47.4
190 BAXTER ROAD	DWELLING	434753.1	559750.5	51.2	52.2	51.1	52.1	45.5	46.1	45.4	46.1
192 BAXTER ROAD	DWELLING	434747.97	559734.63	53.2	54.2	53.1	54.1	47.3	47.9	47.2	47.8
194 BAXTER ROAD	DWELLING	434820.25	559807.73	50.4	51.3	50.3	51.2	44.6	45.2	44.5	45.2
196 BAXTER ROAD	DWELLING	434816.17	559804.76	50.4	51.2	50.3	51.2	44.6	45.1	44.5	45.2
198 BAXTER ROAD	DWELLING	434813.58	559802.23	50.4	51.2	50.2	51.1	44.6	45.1	44.5	45.1
200 BAXTER ROAD	DWELLING	434810.3	559799.02	50.9	51.8	50.8	51.7	45.1	45.6	45.1	45.6
204 BAXTER ROAD	DWELLING	434787.12	559781.89	52.1	53.1	52.0	53.0	46.3	46.9	46.2	46.9
206 BAXTER ROAD	DWELLING	434789.09	559780.08	52.1	53.1	52.0	53.0	46.3	46.9	46.2	46.8
208 BAXTER ROAD	DWELLING	434794.66	559780.69	50.1	50.9	50.0	50.9	44.3	44.9	44.3	44.9
210 BAXTER ROAD	DWELLING	434796.98	559783.22	49.9	50.8	49.9	50.7	44.2	44.8	44.2	44.7
212 BAXTER ROAD	DWELLING	434799.74	559787.52	49.9	50.7	49.8	50.6	44.1	44.7	44.1	44.6
214 BAXTER ROAD	DWELLING	434802.61	559790.79	50.0	50.8	49.9	50.7	44.2	44.8	44.2	44.8
248 BAXTER ROAD	DWELLING	434736.94	559722.64	50.0	50.9	50.0	50.8	44.0	44.6	44.0	44.6
250 BAXTER ROAD	DWELLING	434722.04	559716.21	53.0	54.1	53.0	54.0	47.1	47.7	47.0	47.6
252 BAXTER ROAD	DWELLING	434717.28	559710.63	53.0	54.0	52.9	53.9	47.1	47.7	46.9	47.6
254 BAXTER ROAD	DWELLING	434713.43	559706.42	52.8	53.8	52.7	53.8	46.8	47.5	46.8	47.5
256 BAXTER ROAD	DWELLING	434707.98	559700.4	52.2	53.2	52.1	53.1	46.4	47.0	46.3	47.0
258 BAXTER ROAD	DWELLING	434703.42	559685.13	54.3	55.3	54.3	55.3	48.3	48.9	48.2	48.8
276 BAXTER ROAD	DWELLING	434689.72	559664.37	51.9	52.8	52.0	52.7	46.0	46.6	46.1	46.6
278 BAXTER ROAD	DWELLING	434675.1	559664.08	55.2	56.6	55.2	56.6	48.9	49.7	48.9	49.6
280 BAXTER ROAD	DWELLING	434670.23	559658.55	55.4	56.8	55.4	56.8	49.1	49.9	49.1	49.8
282 BAXTER ROAD	DWELLING	434665.95	559653.7	55.6	57.0	55.6	57.0	49.3	50.1	49.2	50.0
1 BAXTER SQUARE	DWELLING	434673.01	559674.1	55.2	56.3	55.1	56.3	49.0	49.7	48.9	49.6
2 BAXTER SQUARE	DWELLING	434691.94	559695.56	54.7	55.7	54.7	55.7	48.6	49.2	48.5	49.1
3 BAXTER SQUARE	DWELLING	434668.23	559678.41	55.4	56.5	55.4	56.5	49.2	49.8	49.0	49.8
4 BAXTER SQUARE	DWELLING	434687.45	559699.59	54.9	55.9	54.9	55.9	48.7	49.4	48.6	49.3
5 BAXTER SQUARE	DWELLING	434663.57	559682.6	55.8	56.8	55.7	56.8	49.5	50.2	49.4	50.1
6 BAXTER SQUARE	DWELLING	434682.08	559704.41	55.3	56.4	55.3	56.4	49.1	49.7	49.0	49.7
8 BAXTER SQUARE	DWELLING	434672.67	559721.71	55.5	56.6	55.5	56.6	49.3	49.9	49.2	49.9
10 BAXTER SQUARE	DWELLING	434669.74	559727.43	55.6	56.7	55.6	56.7	49.4	50.0	49.2	50.0
12 BAXTER SQUARE	DWELLING	434670.07	559734.67	55.4	56.5	55.4	56.5	49.2	49.8	49.1	49.8
14 BAXTER SQUARE	DWELLING	434667.17	559740.37	55.6	56.7	55.7	56.7	49.4	50.0	49.3	50.0
16 BAXTER SQUARE	DWELLING	434667.16	559749.18	55.5	56.6	55.5	56.6	49.3	49.9	49.1	49.9
18 BAXTER SQUARE	DWELLING	434664.26	559754.89	55.6	56.7	55.7	56.7	49.4	50.0	49.3	50.0

Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
20 BAXTER SQUARE	DWELLING	434675.13	559764.07	54.8	55.8	54.7	55.7	48.5	49.2	48.3	49.0
1A BAXTER SQUARE	DWELLING	434677.47	559669.89	54.9	56.4	54.9	56.3	48.7	49.5	48.6	49.5
2A BAXTER SQUARE	DWELLING	434697.65	559690.24	54.5	55.6	54.5	55.5	48.5	49.1	48.3	49.0
2 BEATTY AVENUE	DWELLING	434566.72	559471.9	55.7	56.6	55.7	56.7	49.3	50.0	49.4	50.1
4 BEATTY AVENUE	DWELLING	434562.16	559469.92	55.9	56.8	55.9	56.9	49.5	50.2	49.6	50.2
6 BEATTY AVENUE	DWELLING	434556.65	559467.65	56.1	57.0	56.2	57.0	49.7	50.3	49.7	50.4
8 BEATTY AVENUE	DWELLING	434551.63	559465.54	56.3	57.2	56.3	57.3	49.8	50.5	49.8	50.5
10 BEATTY AVENUE	DWELLING	434546.74	559463.49	56.6	57.5	56.6	57.6	50.1	50.7	50.1	50.8
11 BEATTY AVENUE	DWELLING	434577.27	559460.05	56.2	57.1	56.2	57.2	49.7	50.4	49.8	50.5
12 BEATTY AVENUE	DWELLING	434539.99	559460.61	57.1	58.1	57.2	58.1	50.5	51.2	50.6	51.3
13 BEATTY AVENUE	DWELLING	434569.86	559455.63	56.2	57.2	56.3	57.3	49.8	50.4	49.8	50.5
14 BEATTY AVENUE	DWELLING	434535.29	559458.6	57.5	58.4	57.5	58.5	50.8	51.5	50.8	51.5
15 BEATTY AVENUE	DWELLING	434563.29	559452.82	56.4	57.4	56.5	57.4	49.9	50.6	50.0	50.6
16 BEATTY AVENUE	DWELLING	434529.8	559456.25	57.7	58.7	57.7	58.7	51.0	51.7	51.1	51.8
17 BEATTY AVENUE	DWELLING	434557.94	559450.49	56.5	57.5	56.7	57.6	50.0	50.7	50.2	50.8
18 BEATTY AVENUE	DWELLING	434524.12	559453.81	58.3	59.2	58.3	59.3	51.5	52.1	51.5	52.2
19 BEATTY AVENUE	DWELLING	434552.46	559448.09	56.9	57.9	56.9	57.9	50.3	51.0	50.4	51.1
20 BEATTY AVENUE	DWELLING	434518.55	559451.45	58.9	59.8	59.0	59.9	52.0	52.6	52.0	52.6
21 BEATTY AVENUE	DWELLING	434546.33	559445.6	57.3	58.2	57.4	58.3	50.7	51.3	50.7	51.4
22 BEATTY AVENUE	DWELLING	434513.79	559449.43	59.6	60.6	59.6	60.6	52.4	53.1	52.5	53.2
23 BEATTY AVENUE	DWELLING	434541.39	559443.43	57.7	58.6	57.7	58.7	50.9	51.6	51.0	51.7
24 BEATTY AVENUE	DWELLING	434506.85	559446.39	60.8	61.7	60.7	61.7	53.5	54.1	53.5	54.2
25 BEATTY AVENUE	DWELLING	434535.35	559440.74	58.1	59.0	58.2	59.1	51.3	51.9	51.4	52.0
27 BEATTY AVENUE	DWELLING	434529.67	559438.26	58.6	59.5	58.6	59.6	51.6	52.2	51.7	52.4
29 BEATTY AVENUE	DWELLING	434524.43	559435.98	59.1	60.0	59.1	60.1	52.0	52.7	52.1	52.8
31 BEATTY AVENUE	DWELLING	434517.39	559433.04	60.2	61.1	60.3	61.2	52.9	53.5	52.9	53.6
11 BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434684.4	559427.47	55.2	56.2	55.2	56.2	49.0	49.7	49.1	49.7
12 BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434679.07	559453.81	53.5	54.4	53.5	54.4	47.5	48.1	47.5	48.2
14 BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434670.48	559450.14	53.6	54.6	53.7	54.5	47.6	48.3	47.7	48.3
15 BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434660.78	559414.34	54.2	55.2	54.3	55.1	48.3	48.9	48.3	48.9
16 BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434665	559447.8	53.8	54.7	53.8	54.7	47.8	48.4	47.8	48.5
17 BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434655.6	559412.1	54.1	54.9	54.0	54.9	48.1	48.7	48.1	48.7
18 BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434655.28	559443.95	54.1	54.9	54.1	55.0	48.0	48.6	48.0	48.7
19 BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434650.21	559409.67	54.0	54.9	54.0	54.9	48.0	48.6	48.0	48.7
20 BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434642.33	559443.96	56.1	57.1	56.2	57.1	49.8	50.5	49.9	50.6
21 BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434645.12	559407.4	53.9	54.8	53.9	54.8	47.9	48.5	47.9	48.6
22 BEESTON AVENUE	DWELLING	434634.5	559464.64	53.6	54.6	53.7	54.6	47.7	48.3	47.8	48.4
23 BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434639.97	559405.26	56.0	57.0	56.0	57.0	49.8	50.4	49.8	50.5
24 BEESTON AVENUE	DWELLING	434631.97	559470.5	53.8	54.8	53.8	54.8	47.8	48.5	47.9	48.5
25 BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434620.93	559409.25	56.5	57.4	56.5	57.5	50.2	50.8	50.2	50.9
26 BEESTON AVENUE	DWELLING	434628.76	559477.92	54.2	55.1	54.3	55.2	48.1	48.8	48.2	48.8
27 BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434621.24	559417.93	56.3	57.4	56.4	57.4	50.0	50.7	50.1	50.8
29 BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434619.08	559425.9	56.5	57.4	56.5	57.5	50.2	50.8	50.2	50.9
31 BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434616.39	559432.12	56.4	57.4	56.5	57.4	50.1	50.7	50.2	50.8
33 BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434611.96	559439.1	56.4	57.3	56.4	57.4	50.1	50.7	50.1	50.8
35 BEESTON AVENUE	DWELLING	434609.44	559444.95	56.4	57.3	56.4	57.4	50.1	50.7	50.1	50.8
57B BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434695.01	559438.87	53.8	54.9	53.9	54.9	47.7	48.3	47.8	48.4
59A BEESTON AVENUE TOWN END FARM FULWELL	DWELLING	434687.57	559456.56	53.4	54.3	53.4	54.3	47.3	47.9	47.3	48.0
1 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434882.68	559572.69	50.3	51.3	50.3	51.3	44.7	45.4	44.7	45.4
2 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434861.1	559583.9	50.3	51.2	50.2	51.2	44.5	45.1	44.5	45.1
3 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434878.41	559562.89	50.5	51.5	50.5	51.5	44.9	45.5	44.9	45.5
4 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434854.04	559579.66	50.8	51.8	50.8	51.7	45.2	45.8	45.2	45.8
5 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434876.41	559558.57	50.8	51.8	50.7	51.7	45.2	45.8	45.1	45.8
6 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434852.06	559575.11	50.9	51.9	50.9	51.8	45.3	45.9	45.2	45.9
7 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434873.75	559546.38	51.1	52.0	51.0	51.9	45.4	45.9	45.3	45.9
8 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434848.81	559568.17	50.9	51.9	50.8	51.8	45.3	45.9	45.2	45.9
9 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434873.86	559540.92	51.2	52.1	51.1	52.0	45.4	45.9	45.4	45.9
10 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434846.88	559563.87	51.0	51.9	50.9	51.8	45.3	45.9	45.2	45.9
11 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434875.73	559530.15	51.3	52.2	51.2	52.1	45.4	46.0	45.4	46.0
12 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434843.79	559555.94	51.0	51.9	50.9	51.8	45.3	45.9	45.3	45.9
14 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434842.1	559551.77	51.2	52.1	51.1	52.0	45.4	46.0	45.4	46.0
15 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434877.25	559525.45	51.3	52.2	51.2	52.1	45.4	46.0	45.4	45.9
16 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434840.05	559541.76	51.2	52.1	51.1	52.1	45.5	46.0	45.4	46.1
17 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434885.81	559517.51	51.1	52.0	51.0	52.0	45.3	45.9	45.3	45.9
19 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434887.05	559510.16	51.3	52.2	51.2	52.2	45.4	46.0	45.4	46.0
20 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434841.8	559518.4	51.1	52.1	51.1	52.0	45.3	45.9	45.3	45.9
22 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434841.8	559518.4	51.1	52.1	51.1	52.0	45.3	45.9	45.3	45.9
24 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434841.8	559518.4	51.1	52.1	51.1	52.0	45.3	45.9	45.3	45.9
25 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434927.43	559471.56	51.4	52.3	51.2	52.1	45.4	46.0	45.4	46.0
26 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434841.8	559518.4	51.1	52.1	51.1	52.0	45.3	45.9	45.3	45.9
27 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434928.5	559466.56	51.4	52.3	51.3	52.2	45.4	46.0	45.4	46.0
28 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434841.8	559518.4	51.1	52.1	51.1	52.0	45.3	45.9	45.3	45.9
29 BELGRADE CRESCENT TOWN END FARM FULWELL	DWELLING	434930.12	559453.92	51.2	52.1	51.1	52.1	45.3	45.9	45.3	45.9
1 BELGRADE SQUARE TOWN END FARM FULWELL	DWELLING	434836.02	559501.9	51.4	52.4	51.4	52.3	45.5	46.1	45.4	46.1

Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
7 BELGRADE SQUARE TOWN END FARM FULWELL	DWELLING	434828.25	559489.5	51.8	52.7	51.7	52.6	45.9	46.5	45.9	46.5
8 BELGRADE SQUARE TOWN END FARM FULWELL	DWELLING	434830.19	559481.81	51.8	52.7	51.7	52.6	45.9	46.5	45.8	46.5
9 BELGRADE SQUARE TOWN END FARM FULWELL	DWELLING	434833.01	559470.38	51.8	52.8	51.7	52.7	45.9	46.5	45.9	46.5
10 BELGRADE SQUARE TOWN END FARM FULWELL	DWELLING	434834.77	559463.07	51.7	52.7	51.7	52.6	45.8	46.5	45.8	46.5
2 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434563.6	559351.93	58.8	59.9	58.8	59.9	52.1	52.8	52.2	52.9
4 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434568.89	559354.17	58.2	59.3	58.3	59.3	51.6	52.3	51.7	52.4
6 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434582.89	559356.34	58.3	59.2	58.2	59.2	51.8	52.4	51.8	52.4
11 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434550.96	559363.99	59.4	60.2	59.2	60.1	52.8	53.4	52.6	53.3
15 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434558.82	559367.37	58.1	59.1	58.1	59.0	51.7	52.3	51.7	52.3
16 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434585.61	559350.05	57.9	58.8	57.9	58.8	51.5	52.1	51.5	52.2
17 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434563.93	559369.61	57.6	58.5	57.5	58.4	51.1	51.8	51.1	51.8
18 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434588.74	559343.09	58.0	58.9	57.9	58.8	51.6	52.2	51.5	52.1
19 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434568.95	559371.79	57.2	58.1	57.1	58.1	50.8	51.5	50.8	51.5
20 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434590.82	559338.32	57.9	58.8	57.9	58.8	51.5	52.1	51.5	52.1
21 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434575.26	559374.45	56.9	57.9	56.9	57.8	50.6	51.3	50.6	51.3
22 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434593.05	559333.22	58.0	58.9	57.9	58.8	51.6	52.2	51.5	52.2
23 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434580.56	559376.75	56.7	57.6	56.7	57.6	50.4	51.1	50.4	51.1
24 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434595.69	559327.17	58.1	59.0	58.0	59.0	51.6	52.3	51.6	52.3
25 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434586.72	559379.43	56.1	57.0	56.0	57.0	49.8	50.5	49.8	50.5
26 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434597.97	559321.95	58.0	58.9	57.9	58.9	51.6	52.2	51.5	52.2
27 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434592.15	559381.74	55.9	56.8	55.8	56.8	49.7	50.3	49.7	50.3
28 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434600.01	559317.29	58.1	59.0	58.0	58.9	51.6	52.3	51.6	52.2
29 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434597.06	559383.84	55.8	56.8	55.8	56.7	49.7	50.3	49.6	50.3
30 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434602.88	559310.8	58.2	59.1	58.1	59.1	51.7	52.3	51.7	52.4
31 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434611.83	559353.06	57.2	58.1	57.2	58.1	50.9	51.5	50.9	51.5
32 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434605.03	559305.83	58.2	59.1	58.1	59.1	51.7	52.3	51.7	52.4
33 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434614.12	559347.86	57.2	58.1	57.1	58.0	50.9	51.5	50.8	51.5
34 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434607.27	559300.63	58.2	59.1	58.1	59.1	51.7	52.4	51.7	52.4
35 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434616.29	559342.93	57.2	58.1	57.1	58.0	50.9	51.5	50.8	51.5
36 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434609.78	559294.82	58.1	59.0	58.1	59.1	51.7	52.3	51.7	52.4
37 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434619.04	559336.69	57.2	58.1	57.1	58.1	50.9	51.5	50.8	51.5
38 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434611.99	559289.72	57.9	58.9	57.9	58.9	51.5	52.2	51.5	52.2
39 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434621.17	559331.78	57.2	58.2	57.1	58.1	50.9	51.6	50.8	51.5
40 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434614.08	559284.87	57.7	58.6	57.7	58.6	51.3	51.9	51.3	51.9
41 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434623.27	559326.93	57.3	58.2	57.2	58.1	50.9	51.6	50.9	51.5
42 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434612.55	559275.3	58.2	59.1	58.1	59.1	51.8	52.5	51.8	52.5
43 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434626.05	559320.7	57.3	58.2	57.3	58.2	51.0	51.6	51.0	51.6
44 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434623.86	559264.77	57.6	58.5	57.6	58.4	51.3	52.0	51.3	52.0
45 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434628.29	559315.52	57.3	58.3	57.3	58.3	51.0	51.7	51.0	51.7
47 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434630.38	559310.66	57.4	58.3	57.4	58.3	51.1	51.7	51.1	51.7
49 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434633.15	559304.3	57.4	58.4	57.4	58.4	51.1	51.8	51.1	51.8
51 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434635.34	559299.34	57.4	58.4	57.4	58.4	51.1	51.8	51.1	51.8
53 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434637.45	559294.56	57.5	58.5	57.5	58.5	51.2	51.9	51.2	51.9
55 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434644.97	559288.83	57.3	58.2	57.2	58.2	51.0	51.6	51.0	51.7
57 BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434647.85	559279.35	58.1	59.0	58.0	58.9	51.7	52.3	51.7	52.3
29A BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434603.98	559386.7	55.7	56.5	55.6	56.6	49.6	50.1	49.5	50.2
2A BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434556.23	559348.66	59.8	60.9	59.9	61.0	52.9	53.6	53.0	53.7
31A BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434608.82	559359.92	57.3	58.3	57.3	58.3	51.0	51.6	51.0	51.6
31B BENFLEET AVENUE TOWN END FARM FULWELL	DWELLING	434606.07	559366.21	57.4	58.4	57.4	58.3	51.0	51.7	51.0	51.7
1 BENTON AVENUE	DWELLING	434718.38	559726.89	53.5	54.5	53.4	54.4	47.5	48.2	47.4	48.1
2 BENTON AVENUE	DWELLING	434735.94	559745.75	53.2	54.2	53.1	54.1	47.3	47.9	47.2	47.9
3 BENTON AVENUE	DWELLING	434714.36	559731.57	53.6	54.7	53.4	54.6	47.6	48.2	47.4	48.2
4 BENTON AVENUE	DWELLING	434732.61	559749.39	53.4	54.4	53.3	54.3	47.4	48.1	47.3	48.1
5 BENTON AVENUE	DWELLING	434708.87	559738.24	53.7	54.8	53.6	54.7	47.7	48.4	47.6	48.3
6 BENTON AVENUE	DWELLING	434727.99	559755.28	53.6	54.6	53.5	54.5	47.7	48.3	47.6	48.3
7 BENTON AVENUE	DWELLING	434705.79	559742.08	53.7	54.6	53.5	54.6	47.7	48.3	47.5	48.2
8 BENTON AVENUE	DWELLING	434724.72	559759.48	53.8	54.8	53.8	54.8	47.9	48.5	47.8	48.5
9 BENTON AVENUE	DWELLING	434701.16	559748.51	53.6	54.5	53.5	54.5	47.6	48.2	47.5	48.2
10 BENTON AVENUE	DWELLING	434720.03	559766.31	54.2	55.2	54.1	55.1	48.2	48.8	48.1	48.8
11 BENTON AVENUE	DWELLING	434698.42	559752.85	53.4	54.4	53.3	54.3	47.4	48.1	47.3	48.0
12 BENTON AVENUE	DWELLING	434717.67	559769.93	54.3	55.3	54.2	55.3	48.3	48.9	48.2	48.9
14 BENTON AVENUE	DWELLING	434714.01	559776.19	54.5	55.5	54.5	55.5	48.4	49.0	48.3	49.0
15 BENTON AVENUE	DWELLING	434693.72	559760.29	52.5	53.5	52.4	53.4	46.6	47.3	46.6	47.3
16 BENTON AVENUE	DWELLING	434711.62	559780.99	54.8	55.8	54.7	55.7	48.7	49.3	48.5	49.1
17 BENTON AVENUE	DWELLING	434688.48	559760.2	51.6	52.5	51.6	52.5	45.9	46.5	45.9	46.5
18 BENTON AVENUE	DWELLING	434705.84	559794.45	55.0	56.1	55.0	56.0	48.8	49.5	48.7	49.3
19 BENTON AVENUE	DWELLING	434701.98	559765.29	50.3	51.2	50.3	51.1	44.4	45.0	44.4	45.0
20 BENTON AVENUE	DWELLING	434703.91	559799.36	55.0	56.1	55.0	56.1	48.8	49.5	48.7	49.4
21 BENTON AVENUE	DWELLING	434664.55	559777.7	54.7	55.8	54.8	55.9	48.6	49.3	48.6	49.3
21 BENTON AVENUE	DWELLING	434698.67	559771.39	50.7	51.6	50.7	51.5	44.8	45.4	44.8	45.4
22 BENTON AVENUE	DWELLING	434701.83	559805.77	55.1	56.1	55.1	56.1	48.8	49.5	48.8	49.4
23 BENTON AVENUE	DWELLING	434661.42	559782.84	55.0	56.0	55.1	56.1	48.8	49.5	48.8	49.5
23 BENTON AVENUE	DWELLING	434690.67	559773.11	54.8	55.8	54.7	55.8	48.5	49.2	48.4	49.1
24 BENTON AVENUE	DWELLING	434699.82	559811.56	55.1	56.2	55.1	56.2	48.9	49.6	48.8	49.5



Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
25 BENTON AVENUE	DWELLING	434660.19	559789.22	55.1	56.1	55.1	56.1	48.9	49.6	48.8	49.5
25 BENTON AVENUE	DWELLING	434684.52	559768.89	54.7	55.7	54.6	55.7	48.4	49.2	48.3	49.0
26 BENTON AVENUE	DWELLING	434697.87	559817.16	55.2	56.2	55.1	56.2	48.9	49.6	48.8	49.5
27 BENTON AVENUE	DWELLING	434657.28	559794.47	55.1	56.2	55.2	56.2	48.9	49.6	48.9	49.5
28 BENTON AVENUE	DWELLING	434695.03	559825.95	55.3	56.4	55.2	56.3	49.0	49.7	48.9	49.6
29 BENTON AVENUE	DWELLING	434655.98	559800.71	55.3	56.3	55.3	56.3	49.0	49.7	49.0	49.6
30 BENTON AVENUE	DWELLING	434693.11	559833.02	55.4	56.4	55.3	56.4	49.0	49.7	48.9	49.6
31 BENTON AVENUE	DWELLING	434654.8	559806.38	55.3	56.4	55.3	56.4	49.0	49.8	49.0	49.7
32 BENTON AVENUE	DWELLING	434705.19	559839.44	53.9	55.0	53.8	54.9	47.8	48.4	47.6	48.3
33 BENTON AVENUE	DWELLING	434653.73	559811.54	55.3	56.4	55.3	56.4	49.0	49.8	49.0	49.7
35 BENTON AVENUE	DWELLING	434654.33	559818.32	55.2	56.3	55.2	56.2	48.9	49.6	48.8	49.5
37 BENTON AVENUE	DWELLING	434653.3	559823.62	55.3	56.3	55.3	56.3	49.0	49.7	48.9	49.6
39 BENTON AVENUE	DWELLING	434657.65	559831.63	54.8	55.8	54.7	55.8	48.5	49.2	48.4	49.1
1A BENTON AVENUE	DWELLING	434723.65	559721.48	53.1	54.1	53.0	54.1	47.2	47.8	47.1	47.7
2A BENTON AVENUE	DWELLING	434742.22	559739.74	53.2	54.2	53.1	54.0	47.3	47.9	47.2	47.8
1 BERGEN SQUARE	DWELLING	434897.28	559781.12	50.2	51.0	50.0	50.7	44.3	44.8	44.3	44.7
2 BERGEN SQUARE	DWELLING	434900.9	559794.34	50.1	51.2	50.0	51.1	44.4	45.1	44.4	45.1
3 BERGEN SQUARE	DWELLING	434906.84	559798.34	50.3	51.3	50.3	51.3	44.6	45.2	44.5	45.2
4 BERGEN SQUARE	DWELLING	434920.46	559791.99	50.6	51.5	50.5	51.4	44.9	45.5	44.9	45.5
5 BERGEN SQUARE	DWELLING	434926.27	559783.49	50.6	51.6	50.5	51.5	44.9	45.5	44.9	45.5
6 BERGEN SQUARE	DWELLING	434922.25	559774.94	50.1	51.1	50.0	51.1	44.4	45.0	44.3	45.0
7 BERGEN SQUARE	DWELLING	434917.28	559771.56	50.0	51.0	49.9	51.0	44.3	44.9	44.2	44.9
8 BERGEN SQUARE	DWELLING	434907.56	559764.99	49.9	50.9	49.8	50.9	44.2	44.8	44.1	44.8
1 BERGEN STREET	DWELLING	434869.5	559811.14	51.2	52.3	51.1	52.2	45.3	46.0	45.2	45.9
2 BERGEN STREET	DWELLING	434849.89	559781.71	51.5	52.4	51.3	52.3	45.8	46.3	45.7	46.3
3 BERGEN STREET	DWELLING	434876.24	559792.04	51.5	52.5	51.4	52.4	45.8	46.4	45.7	46.3
4 BERGEN STREET	DWELLING	434862.86	559761.06	51.8	52.8	51.7	52.6	46.0	46.6	45.9	46.5
5 BERGEN STREET	DWELLING	434878.87	559788.09	51.6	52.6	51.4	52.4	45.8	46.4	45.7	46.3
6 BERGEN STREET	DWELLING	434865.75	559756.78	51.9	52.9	51.7	52.7	46.1	46.7	46.0	46.6
7 BERGEN STREET	DWELLING	434885.75	559777.87	51.3	52.3	51.1	52.2	45.5	46.1	45.4	46.1
8 BERGEN STREET	DWELLING	434871.89	559747.51	51.7	52.6	51.5	52.4	45.9	46.5	45.8	46.3
9 BERGEN STREET	DWELLING	434901.84	559754.23	51.1	52.0	51.0	51.9	45.4	45.9	45.3	45.9
10 BERGEN STREET	DWELLING	434874.89	559742.96	51.5	52.4	51.3	52.3	45.7	46.3	45.7	46.2
10 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434974.32	559592.42	50.4	51.2	50.2	51.2	44.6	45.1	44.5	45.2
11 BERGEN STREET	DWELLING	434907.86	559745.56	51.2	52.1	51.0	52.0	45.5	46.0	45.4	46.0
12 BERGEN STREET	DWELLING	434881.43	559733.2	51.4	52.3	51.2	52.2	45.6	46.2	45.5	46.1
12 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434969.68	559596.26	50.6	51.5	50.4	51.4	44.8	45.4	44.7	45.3
14 BERGEN STREET	DWELLING	434883.53	559730.02	51.3	52.2	51.2	52.1	45.5	46.1	45.5	46.1
15 BERGEN STREET	DWELLING	434910.67	559741.27	51.2	52.1	51.0	51.9	45.5	45.9	45.3	45.9
16 BERGEN STREET	DWELLING	434890.06	559723.61	50.8	51.8	50.7	51.7	45.1	45.7	45.0	45.7
17 BERGEN STREET	DWELLING	434917.23	559731.41	50.9	51.8	50.8	51.7	45.2	45.8	45.2	45.7
18 BERGEN STREET	DWELLING	434914.85	559687.18	50.4	51.3	50.2	51.2	44.8	45.2	44.6	45.3
19 BERGEN STREET	DWELLING	434932.63	559709.38	50.8	51.7	50.5	51.5	45.0	45.6	44.9	45.5
20 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434920.51	559677.96	50.8	51.7	50.5	51.5	45.0	45.6	44.9	45.5
21 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434939.33	559699.92	50.6	51.5	50.4	51.4	44.9	45.4	44.8	45.4
22 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434923.08	559674.05	50.7	51.6	50.6	51.5	45.0	45.6	45.0	45.5
23 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434942.3	559695.59	50.6	51.5	50.4	51.4	44.9	45.4	44.8	45.4
24 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434930.59	559671.53	49.1	50.0	49.1	50.0	43.3	43.9	43.3	43.9
25 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434946.8	559688.85	50.7	51.6	50.4	51.4	44.9	45.5	44.8	45.5
26 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434922.83	559660.32	50.6	51.5	50.5	51.4	44.9	45.5	44.9	45.4
27 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434949.65	559684.68	50.6	51.5	50.4	51.3	44.9	45.4	44.8	45.4
28 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434924.54	559647.94	50.7	51.6	50.5	51.5	45.0	45.5	44.9	45.5
29 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434954.16	559677.95	50.6	51.5	50.3	51.3	44.9	45.4	44.7	45.4
30 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434929.86	559640.03	50.9	51.8	50.7	51.7	45.1	45.7	45.1	45.6
31 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434957.54	559672.97	50.5	51.4	50.3	51.3	44.8	45.3	44.7	45.3
32 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434940.93	559634.33	50.5	51.5	50.4	51.3	44.8	45.4	44.7	45.3
34 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434953.95	559638.01	49.6	50.4	49.5	50.2	43.7	44.1	43.6	44.1
36 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434954.65	559629.13	50.5	51.5	50.4	51.3	44.8	45.4	44.8	45.3
38 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434957.08	559625.49	50.6	51.6	50.5	51.4	44.9	45.4	44.8	45.4
40 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434963.6	559612.43	50.5	51.5	50.4	51.3	44.8	45.4	44.8	45.3
42 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434964.94	559609.93	50.5	51.5	50.4	51.3	44.8	45.4	44.7	45.3
44 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434967.03	559606	50.5	51.5	50.4	51.3	44.8	45.4	44.7	45.3
46 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434962.71	559614.1	50.6	51.5	50.5	51.4	44.8	45.4	44.8	45.4
48 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434969.12	559602.08	50.4	51.3	50.2	51.2	44.7	45.3	44.7	45.3
50 BERGEN STREET TOWN END FARM FULWELL	DWELLING	434960.91	559617.48	50.6	51.6	50.5	51.4	44.9	45.4	44.8	45.4
1 BERWICK AVENUE	DWELLING	434760.28	559696.17	52.9	53.9	52.9	53.8	47.0	47.6	47.0	47.6
3 BERWICK AVENUE	DWELLING	434770.42	559687.28	52.7	53.8	52.6	53.8	46.8	47.4	46.7	47.4
5 BERWICK AVENUE	DWELLING	434776.19	559682.1	52.7	53.7	52.6	53.6	46.8	47.4	46.7	47.4
7 BERWICK AVENUE	DWELLING	434783.37	559675.54	52.5	53.6	52.5	53.5	46.7	47.3	46.6	47.3
9 BERWICK AVENUE	DWELLING	434788.66	559671.11	52.4	53.4	52.3	53.3	46.6	47.1	46.5	47.1
11 BERWICK AVENUE	DWELLING	434798.07	559664.29	52.1	53.2	52.1	53.1	46.3	47.0	46.3	46.9
15 BERWICK AVENUE	DWELLING	434803.4	559660.34	52.1	53.1	52.0	53.0	46.3	46.9	46.2	46.8
16 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434982.42	559519.29	51.2	52.0	51.0	51.9	45.2	45.7	45.1	45.7
17 BERWICK AVENUE	DWELLING	434811.87	559654.11	52.0	53.0	51.9	52.9	46.2	46.8	46.1	46.8



Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
17 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434983.48	559510.63	50.9	51.8	50.8	51.7	45.1	45.6	45.0	45.6
18 BERWICK AVENUE	DWELLING	434811.05	559610.7	51.8	52.7	51.6	52.6	46.0	46.5	45.9	46.5
19 BERWICK AVENUE	DWELLING	434818.08	559649.69	51.7	52.7	51.6	52.6	46.0	46.6	45.9	46.5
20 BERWICK AVENUE	DWELLING	434815.52	559608.07	51.6	52.5	51.5	52.4	45.8	46.4	45.8	46.3
21 BERWICK AVENUE	DWELLING	434825.57	559644.02	51.5	52.5	51.4	52.4	45.8	46.4	45.7	46.3
22 BERWICK AVENUE	DWELLING	434819.01	559606.02	51.6	52.5	51.4	52.4	45.8	46.4	45.7	46.3
23 BERWICK AVENUE	DWELLING	434863.74	559622.8	51.1	52.0	50.9	51.9	45.3	45.9	45.2	45.8
24 BERWICK AVENUE	DWELLING	434824.39	559602.86	51.5	52.4	51.4	52.3	45.7	46.3	45.7	46.2
25 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434873.59	559617.54	51.3	52.2	51.1	52.0	45.5	46.0	45.4	45.9
26 BERWICK AVENUE	DWELLING	434829.68	559599.76	51.5	52.4	51.3	52.3	45.7	46.3	45.6	46.2
27 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434877.84	559615.41	51.2	52.2	51.0	52.0	45.4	46.0	45.4	45.9
28 BERWICK AVENUE	DWELLING	434834.87	559596.72	51.4	52.4	51.3	52.2	45.6	46.2	45.6	46.1
29 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434888.11	559610.36	51.1	52.0	50.9	51.9	45.3	45.9	45.2	45.8
30 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434842.83	559593.67	51.3	52.1	51.0	52.0	45.5	46.0	45.4	45.9
31 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434889.07	559621.86	49.8	50.8	49.7	50.7	44.2	44.9	44.1	44.8
32 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434847.18	559591.74	51.2	52.1	51.0	52.0	45.5	45.9	45.4	45.9
33 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434904.14	559623.07	50.6	51.5	50.4	51.3	44.9	45.4	44.8	45.4
34 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434855.33	559587.41	50.9	51.8	50.7	51.7	45.2	45.8	45.1	45.7
35 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434912.88	559618.86	50.4	51.4	50.3	51.2	44.8	45.3	44.7	45.3
36 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434884.74	559579.39	50.5	51.4	50.4	51.3	44.8	45.5	44.8	45.4
37 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434914.05	559610.38	50.1	51.0	50.0	51.0	44.5	45.1	44.4	45.1
38 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434897.3	559567.57	50.7	51.6	50.6	51.5	44.9	45.5	44.9	45.4
39 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434912.23	559598.9	50.9	51.8	50.8	51.7	45.1	45.6	45.0	45.6
40 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434901.55	559565.54	50.8	51.7	50.7	51.6	45.0	45.5	45.0	45.5
41 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434923.59	559593.62	50.8	51.7	50.6	51.6	45.0	45.5	44.9	45.5
42 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434918.52	559562.95	49.5	50.3	49.5	50.2	43.1	43.6	43.1	43.6
43 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434928	559591.48	50.7	51.6	50.6	51.5	44.9	45.5	44.9	45.4
44 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434908.77	559555.57	51.0	51.9	50.8	51.8	45.2	45.8	45.2	45.8
45 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434936.28	559587.61	50.7	51.6	50.5	51.5	44.9	45.5	44.8	45.4
46 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434912.44	559543.6	51.1	52.0	51.0	51.9	45.3	45.8	45.2	45.8
47 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434940.53	559585.58	50.6	51.5	50.5	51.4	44.8	45.4	44.7	45.3
48 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434921.45	559539.24	50.9	51.9	50.8	51.7	45.0	45.6	45.0	45.5
49 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434949.18	559581.27	50.7	51.6	50.5	51.5	44.8	45.4	44.8	45.4
50 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434934.43	559543.53	50.2	51.1	50.1	50.9	44.4	44.9	44.3	44.9
52 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434933.36	559556.32	50.3	51.2	50.3	51.2	44.6	45.1	44.5	45.2
54 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434946.13	559544.28	50.5	51.3	50.4	51.2	44.7	45.2	44.6	45.2
56 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434950.38	559542.28	50.5	51.4	50.4	51.3	44.6	45.2	44.6	45.2
58 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434967.54	559540.34	50.5	51.1	50.3	51.0	43.8	44.2	43.7	44.2
62 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434977.04	559463.91	50.5	51.4	50.3	51.3	44.7	45.3	44.6	45.2
64 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434975.47	559459.54	50.4	51.3	50.3	51.2	44.6	45.1	44.5	45.2
66 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	434973.96	559441.8	50.9	51.9	50.9	51.7	44.9	45.4	44.8	45.4
51-53 BERWICK AVENUE TOWN END FARM FULWELL	DWELLING	435037.3	559517.68	49.2	49.9	49.2	49.8	41.8	42.3	41.8	42.4
1 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434976.65	559472.9	50.6	51.5	50.5	51.5	44.7	45.3	44.7	45.3
2 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434966.83	559475.16	50.9	51.8	50.8	51.6	44.8	45.4	44.8	45.3
3 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434961.63	559476.9	50.9	51.8	50.8	51.7	44.8	45.4	44.8	45.4
4 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434951.53	559480.2	50.8	51.7	50.6	51.5	44.7	45.3	44.7	45.2
5 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434946.12	559481.77	50.6	51.5	50.5	51.3	44.6	45.1	44.5	45.1
6 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434934	559490.22	50.3	51.2	50.2	51.1	44.0	44.6	44.0	44.6
7 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434912.67	559505.99	50.7	51.6	50.6	51.4	44.6	45.2	44.6	45.1
8 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434921.49	559509.71	50.6	51.4	50.4	51.2	44.5	45.0	44.5	45.0
9 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434926.39	559511.32	50.6	51.4	50.4	51.2	44.5	45.0	44.5	45.0
10 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434935.18	559514.17	50.5	51.3	50.4	51.2	44.4	44.9	44.3	44.9
11 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434939.61	559515.61	50.5	51.4	50.5	51.3	44.3	44.9	44.4	44.9
12 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434949.04	559520.85	50.6	51.3	50.4	51.1	44.3	44.8	44.3	44.7
14 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434952.97	559523.61	50.5	51.3	50.4	51.1	44.2	44.7	44.2	44.7
15 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434963.68	559532.67	50.7	51.4	50.5	51.2	44.1	44.6	44.0	44.5
18 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434984.87	559501.69	50.9	51.8	50.8	51.7	45.0	45.6	45.0	45.5
21 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434899.87	559506.56	50.9	51.8	50.8	51.7	45.0	45.6	45.0	45.5
23 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434924.54	559483.5	51.3	52.3	51.2	52.1	45.4	46.0	45.3	46.0
60 BERWICK SQUARE TOWN END FARM FULWELL	DWELLING	434983.98	559469.37	49.6	50.5	49.5	50.3	43.5	44.1	43.4	44.0
1 BEXHILL ROAD CASTLETOWN FULWELL	DWELLING	435006.62	559390.86	51.2	52.1	51.1	51.9	45.1	45.7	45.1	45.6
3 BEXHILL ROAD CASTLETOWN FULWELL	DWELLING	434996.77	559394.54	51.3	52.2	51.1	52.1	45.1	45.6	45.0	45.6
5 BEXHILL ROAD CASTLETOWN FULWELL	DWELLING	434991.84	559396.84	51.1	52.1	51.0	51.9	44.9	45.5	44.9	45.5
7 BEXHILL ROAD CASTLETOWN FULWELL	DWELLING	434984.73	559399.67	51.2	52.1	51.1	52.0	45.0	45.5	45.0	45.5
9 BEXHILL ROAD CASTLETOWN FULWELL	DWELLING	434979.91	559401.49	51.2	52.1	51.1	52.0	45.0	45.5	45.0	45.5
11 BEXHILL ROAD CASTLETOWN FULWELL	DWELLING	434972.73	559404.19	51.1	52.0	51.0	51.9	44.9	45.5	44.9	45.5
11 BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434843.14	559446.8	51.8	52.7	51.7	52.5	45.6	46.2	45.6	46.1
12 BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434967.23	559445.22	50.8	51.8	50.7	51.6	44.8	45.3	44.7	45.3
14 BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434957.62	559447.26	50.9	51.8	50.7	51.6	44.8	45.3	44.7	45.3
15 BEXHILL ROAD CASTLETOWN FULWELL	DWELLING	434967.05	559405.92	51.2	52.1	51.0	51.9	45.0	45.5	44.9	45.5
16 BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434951.86	559448.3	50.8	51.7	50.7	51.6	44.7	45.3	44.7	45.3
17 BEXHILL ROAD CASTLETOWN FULWELL	DWELLING	434959.53	559408.01	51.0	51.9	50.9	51.8	44.8	45.4	44.8	45.4
18 BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434941.27	559449.68	50.7	51.6	50.6	51.4	44.6	45.2	44.6	45.1
19 BEXHILL ROAD CASTLETOWN FULWELL	DWELLING	434954.56	559409.25	51.1	52.0	51.0	51.8	45.0	45.5	44.9	45.5

Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
20 BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434835.38	559445	52.0	52.9	51.9	52.7	45.9	46.4	45.8	46.4
21 BEXHILL ROAD CASTLETOWN FULWELL	DWELLING	434946.89	559411.13	51.0	51.8	50.9	51.8	44.8	45.4	44.8	45.4
22 BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434828.75	559443.46	52.7	53.5	52.5	53.4	46.5	47.0	46.5	47.0
23 BEXHILL ROAD CASTLETOWN FULWELL	DWELLING	434941.36	559412.2	51.0	51.9	50.9	51.8	44.9	45.4	44.9	45.5
25 BEXHILL ROAD CASTLETOWN FULWELL	DWELLING	434933.81	559413.35	51.0	51.9	50.9	51.8	44.9	45.4	44.8	45.5
27 BEXHILL ROAD CASTLETOWN FULWELL	DWELLING	434928.49	559414.21	51.0	51.9	50.9	51.8	44.9	45.4	44.9	45.5
29 BEXHILL ROAD CASTLETOWN FULWELL	DWELLING	435018.48	559390.29	51.7	52.5	51.5	52.2	44.4	44.8	44.3	44.7
29 BEXHILL ROAD CASTLETOWN FULWELL	DWELLING	434918.37	559415.22	50.6	51.5	50.5	51.3	44.4	44.9	44.4	44.9
39 BEXHILL ROAD CASTLETOWN FULWELL	DWELLING	434907.63	559419.64	51.8	52.7	51.7	52.6	45.9	46.4	45.8	46.4
43 BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434714.6	559381.9	54.5	55.5	54.5	55.5	48.5	49.2	48.5	49.1
45 BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434712.3	559387.22	54.8	55.7	54.7	55.8	48.7	49.3	48.7	49.4
47 BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434710	559392.53	55.0	56.0	55.0	56.0	48.9	49.6	49.0	49.6
49 BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434707.59	559398.08	55.1	56.0	55.0	56.1	49.0	49.6	49.0	49.7
51 BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434705.24	559403.53	55.1	56.1	55.0	56.0	49.0	49.6	49.0	49.6
53 BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434702.78	559409.45	54.9	55.9	54.9	55.9	48.8	49.4	48.8	49.5
55 BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434700.63	559414.34	54.9	55.9	54.9	55.9	48.8	49.4	48.9	49.5
57 BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434698.19	559419.86	54.7	55.7	54.7	55.7	48.6	49.3	48.7	49.3
59 BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434675.2	559472.14	55.2	56.3	55.3	56.4	49.0	49.7	49.1	49.7
61 BEXHILL ROAD	DWELLING	434672.84	559477.51	55.4	56.4	55.4	56.4	49.2	49.8	49.2	49.8
63 BEXHILL ROAD	DWELLING	434670.85	559482.03	55.4	56.5	55.4	56.5	49.2	49.8	49.2	49.9
65 BEXHILL ROAD	DWELLING	434668.61	559487	55.5	56.6	55.5	56.6	49.3	49.9	49.3	49.9
67 BEXHILL ROAD	DWELLING	434666.58	559491.79	55.5	56.6	55.5	56.6	49.3	49.9	49.3	49.9
69 BEXHILL ROAD	DWELLING	434664.82	559495.94	55.4	56.6	55.5	56.6	49.2	49.9	49.3	49.9
71 BEXHILL ROAD	DWELLING	434662.32	559501.82	55.5	56.6	55.4	56.5	49.3	49.9	49.2	49.9
73 BEXHILL ROAD	DWELLING	434660.42	559506.29	55.3	56.3	55.3	56.4	49.0	49.7	49.1	49.7
75 BEXHILL ROAD	DWELLING	434638.37	559558.56	56.1	57.2	56.2	57.2	49.8	50.4	49.8	50.4
77 BEXHILL ROAD	DWELLING	434636.21	559563.49	56.2	57.2	56.2	57.2	49.8	50.5	49.8	50.5
79 BEXHILL ROAD	DWELLING	434633.79	559569.03	56.1	57.2	56.1	57.1	49.8	50.4	49.8	50.4
81 BEXHILL ROAD	DWELLING	434630.96	559575.58	56.0	57.1	56.0	57.0	49.7	50.4	49.7	50.4
83 BEXHILL ROAD	DWELLING	434628.96	559580.18	56.0	57.0	55.9	57.0	49.7	50.3	49.6	50.3
85 BEXHILL ROAD	DWELLING	434626.14	559586.58	55.8	56.7	55.7	56.8	49.5	50.1	49.4	50.2
87 BEXHILL ROAD	DWELLING	434623.86	559591.93	55.6	56.6	55.5	56.6	49.3	50.0	49.3	50.0
89 BEXHILL ROAD	DWELLING	434621.83	559596.7	55.4	56.4	55.3	56.3	49.2	49.8	49.1	49.8
91 BEXHILL ROAD	DWELLING	434619.04	559603.06	54.5	55.4	54.5	55.4	48.5	49.0	48.5	49.1
43A BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434717.96	559374.01	54.1	55.1	54.1	55.1	48.1	48.7	48.1	48.8
57A BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434695.35	559425.74	53.9	54.9	53.9	54.9	48.0	48.6	48.0	48.7
59B BEXHILL ROAD TOWN END FARM FULWELL	DWELLING	434677.89	559466.04	54.8	55.9	54.9	56.0	48.7	49.3	48.8	49.4
73A BEXHILL ROAD	DWELLING	434657.3	559513.47	54.3	55.2	54.3	55.3	48.3	48.9	48.3	49.0
73B BEXHILL ROAD	DWELLING	434657.01	559527.11	55.0	56.1	55.0	56.1	48.7	49.4	48.7	49.5
75A BEXHILL ROAD	DWELLING	434650.07	559543.91	52.3	53.1	52.3	53.1	46.3	46.9	46.4	47.0
75B BEXHILL ROAD	DWELLING	434640.54	559553.05	53.6	54.6	53.7	54.6	47.6	48.2	47.7	48.3
11 BEXHILL SQUARE	DWELLING	434649.39	559522.34	55.0	56.1	55.1	56.1	48.8	49.4	48.8	49.4
12 BEXHILL SQUARE	DWELLING	434636.74	559549.51	53.4	54.4	53.4	54.3	47.4	48.0	47.4	48.0
14 BEXHILL SQUARE	DWELLING	434622.27	559543.31	55.3	56.3	55.3	56.3	49.0	49.6	49.0	49.6
15 BEXHILL SQUARE	DWELLING	434632.91	559515.3	54.7	55.7	54.8	55.9	48.5	49.1	48.5	49.3
16 BEXHILL SQUARE	DWELLING	434616.51	559540.84	55.3	56.3	55.3	56.3	49.0	49.6	49.0	49.6
17 BEXHILL SQUARE	DWELLING	434627.78	559513.08	54.8	55.8	54.9	55.9	48.5	49.2	48.6	49.3
18 BEXHILL SQUARE	DWELLING	434611.58	559538.73	55.4	56.4	55.5	56.4	49.1	49.7	49.2	49.8
19 BEXHILL SQUARE	DWELLING	434623.07	559511.05	55.2	56.3	55.3	56.3	49.0	49.6	49.0	49.7
20 BEXHILL SQUARE	DWELLING	434603.47	559535.75	53.6	54.5	53.6	54.5	47.6	48.2	47.6	48.3
21 BEXHILL SQUARE	DWELLING	434614.91	559508	53.9	54.9	54.0	55.0	47.9	48.5	48.0	48.7
22 BEXHILL SQUARE	DWELLING	434597.14	559534.83	53.6	54.5	53.7	54.6	47.6	48.2	47.7	48.4
23 BEXHILL SQUARE	DWELLING	434609.52	559503.67	53.9	54.9	54.0	54.9	47.9	48.5	48.0	48.6
24 BEXHILL SQUARE	DWELLING	434590.6	559532.03	53.1	54.0	53.2	54.1	47.2	47.8	47.2	47.9
25 BEXHILL SQUARE	DWELLING	434603.01	559500.97	54.0	54.9	54.0	54.9	47.9	48.5	48.0	48.6
26 BEXHILL SQUARE	DWELLING	434581.03	559533.5	53.8	54.6	53.8	54.7	47.7	48.3	47.7	48.4
27 BEXHILL SQUARE	DWELLING	434598.66	559493.01	53.6	54.5	53.7	54.6	47.6	48.2	47.7	48.3
28 BEXHILL SQUARE	DWELLING	434572.04	559524.18	54.2	55.0	54.2	55.0	48.1	48.6	48.1	48.7
29 BEXHILL SQUARE	DWELLING	434589.8	559482.92	54.3	55.2	54.3	55.2	48.2	48.8	48.2	48.8
1 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434955.98	559234.34	60.1	61.1	60.2	60.9	49.0	49.7	49.0	49.6
3 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434957.46	559238.93	59.6	60.6	59.6	60.4	48.6	49.4	48.6	49.2
10 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434949.75	559249.71	54.8	55.8	54.8	55.6	46.9	47.5	46.8	47.5
10 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434936.09	559221.73	62.4	63.3	62.4	63.2	51.5	52.2	51.5	52.2
12 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434945.05	559251.3	54.6	55.5	54.6	55.4	46.9	47.5	46.9	47.5
12 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434939.38	559220.67	62.4	63.5	62.4	63.3	51.5	52.3	51.5	52.2
14 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434938.48	559254.83	54.3	55.2	54.2	55.1	46.9	47.6	47.0	47.5
14 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434928.84	559226.67	60.7	61.7	60.7	61.6	50.5	51.2	50.5	51.2
15 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434944.3	559289.42	54.1	55.0	54.0	54.8	46.8	47.3	46.7	47.3
16 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434933.96	559257.51	53.9	54.8	53.8	54.7	46.7	47.3	46.7	47.3
16 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434923.27	559229.66	60.3	61.3	60.2	61.1	50.3	51.0	50.3	50.9
17 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434940.4	559292.34	54.0	54.9	53.9	54.7	46.8	47.5	46.8	47.4
18 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434930.03	559259.85	54.0	55.0	54.0	54.8	46.8	47.4	46.8	47.4
18 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434918.32	559232.31	59.9	61.0	59.9	60.8	50.2	50.9	50.2	50.8
19 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434930.79	559303.32	53.7	54.6	53.6	54.4	47.0	47.5	46.9	47.5

Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
20 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434924.25	559264.27	53.7	54.6	53.6	54.4	46.6	47.2	46.6	47.1
20 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434910.71	559236.79	59.3	60.3	59.3	60.2	49.9	50.6	49.9	50.5
21 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434942.56	559306.56	52.6	53.4	52.5	53.2	45.7	46.3	45.7	46.2
22 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434920.7	559267.34	53.2	54.2	53.2	54.1	46.3	47.0	46.4	47.0
22 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434906.23	559240.21	59.0	60.0	59.0	59.9	49.8	50.5	49.8	50.4
23 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434948.15	559317.32	53.0	53.8	52.9	53.6	45.7	46.2	45.7	46.2
24 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434917.17	559270.38	53.1	54.1	53.0	54.0	46.3	47.0	46.3	46.9
24 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434901.67	559243.69	58.5	59.5	58.4	59.3	49.6	50.3	49.6	50.2
25 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434937.74	559329.68	52.9	53.9	52.8	53.7	46.3	46.9	46.3	46.9
26 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434904.01	559283.8	52.9	53.8	52.9	53.7	46.2	46.9	46.3	46.8
26 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434895.13	559249.59	57.8	58.8	57.8	58.7	49.3	49.9	49.3	49.9
27 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434929.74	559331.99	52.3	53.2	52.2	53.0	45.9	46.4	45.9	46.4
27 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434912.66	559353.12	52.2	53.1	52.1	53.0	46.2	46.7	46.1	46.7
28 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434901.32	559287.51	52.7	53.6	52.6	53.5	46.2	46.8	46.1	46.8
28 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434891.1	559253.58	57.4	58.3	57.3	58.3	49.1	49.8	49.1	49.7
29 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434922.48	559328.75	52.6	53.4	52.4	53.2	46.1	46.6	46.0	46.6
30 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434897.07	559294.53	52.7	53.6	52.6	53.5	46.2	46.9	46.3	46.8
30 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434887.48	559257.17	57.1	58.1	57.0	57.9	49.0	49.7	49.0	49.6
31 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434914.82	559345.88	52.3	53.2	52.1	53.1	46.2	46.8	46.1	46.8
32 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434894.47	559299.63	52.6	53.5	52.5	53.4	46.2	46.8	46.2	46.8
32 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434881.88	559264.2	56.6	57.5	56.5	57.5	48.9	49.5	48.9	49.5
34 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434890.84	559304.59	52.3	53.2	52.1	53.1	45.8	46.3	45.7	46.4
34 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434878.63	559268.45	56.3	57.3	56.3	57.2	48.8	49.5	48.9	49.5
35 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434910.54	559399.32	51.8	52.7	51.7	52.5	45.6	46.2	45.6	46.1
36 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434875.4	559272.68	56.2	57.1	56.1	57.0	48.9	49.4	48.8	49.4
37 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434907.22	559407.41	51.9	52.8	51.7	52.7	45.9	46.5	45.9	46.5
38 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434869.98	559280.59	55.8	56.7	55.8	56.7	48.7	49.2	48.7	49.3
40 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434867.11	559285.53	55.6	56.5	55.5	56.4	48.5	49.1	48.6	49.1
42 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434864.54	559289.97	55.4	56.3	55.3	56.2	48.5	49.0	48.4	49.0
50 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434883.38	559294.01	51.9	52.7	51.8	52.6	45.0	45.6	45.0	45.6
52 BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434887.39	559296.09	52.1	52.9	52.0	52.8	45.3	45.9	45.3	45.8
1B BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434953.29	559225.43	61.5	62.5	61.5	62.3	49.9	50.7	49.9	50.6
3A BINGLEY STREET CASTLETOWN FULWELL	DWELLING	434961.34	559249.96	58.4	59.3	58.3	59.0	47.7	48.4	47.7	48.2
1 BIRRELL SQUARE	DWELLING	434928.84	559734.4	50.0	50.9	49.9	50.6	44.1	44.7	44.1	44.6
2 BIRRELL SQUARE	DWELLING	434945.32	559746.04	50.0	50.8	49.8	50.6	44.1	44.6	44.0	44.5
3 BIRRELL SQUARE	DWELLING	434938.04	559741.15	49.8	50.7	49.7	50.5	43.9	44.4	43.9	44.4
4 BIRRELL SQUARE	DWELLING	434932.62	559748.84	49.6	50.5	49.5	50.5	43.9	44.5	43.9	44.5
5 BIRRELL SQUARE	DWELLING	434939.14	559753.21	49.8	50.7	49.7	50.7	44.0	44.7	44.0	44.7
6 BIRRELL SQUARE	DWELLING	434957.63	559764.08	50.2	51.2	50.1	51.2	44.4	45.1	44.3	45.0
7 BIRRELL SQUARE	DWELLING	434950.17	559760.23	49.9	50.9	49.8	50.9	44.2	44.8	44.1	44.8
11 BIRRELL SQUARE	DWELLING	434953.42	559728.11	49.8	50.8	49.7	50.8	44.1	44.7	44.0	44.7
15 BIRRELL SQUARE	DWELLING	434949.43	559725.5	49.8	50.7	49.7	50.7	44.1	44.6	44.0	44.6
17 BIRRELL SQUARE	DWELLING	434939.54	559719	49.6	50.6	49.6	50.6	43.9	44.5	43.9	44.5
1 BIRRELL STREET	DWELLING	434832.47	559638.64	51.3	52.3	51.2	52.2	45.5	46.2	45.4	46.1
2 BIRRELL STREET	DWELLING	434857.12	559625.47	51.3	52.2	51.2	52.1	45.5	46.0	45.4	46.0
3 BIRRELL STREET	DWELLING	434838.73	559655.37	50.4	51.3	50.3	51.3	44.7	45.4	44.7	45.4
4 BIRRELL STREET	DWELLING	434862.81	559641.51	50.5	51.5	50.5	51.5	44.9	45.5	44.9	45.5
5 BIRRELL STREET	DWELLING	434841.23	559659.18	50.7	51.6	50.6	51.6	44.9	45.6	44.9	45.6
6 BIRRELL STREET	DWELLING	434865.12	559645.28	50.5	51.4	50.4	51.4	44.8	45.4	44.7	45.5
7 BIRRELL STREET	DWELLING	434843.88	559670.91	50.6	51.6	50.6	51.5	44.9	45.6	44.9	45.5
8 BIRRELL STREET	DWELLING	434871.75	559656.59	50.4	51.3	50.3	51.3	44.7	45.3	44.7	45.4
9 BIRRELL STREET	DWELLING	434878.32	559698.73	49.5	50.3	49.3	50.1	43.4	44.0	43.4	43.9
10 BIRRELL STREET	DWELLING	434878.6	559647.47	50.3	51.3	50.2	51.2	44.6	45.2	44.6	45.2
11 BIRRELL STREET	DWELLING	434881.47	559712.35	50.2	51.2	50.2	51.2	44.5	45.1	44.5	45.1
12 BIRRELL STREET TOWN END FARM FULWELL	DWELLING	434891.45	559646.11	50.9	51.8	50.8	51.7	45.1	45.7	45.1	45.7
14 BIRRELL STREET	DWELLING	434897.45	559661.36	50.4	51.3	50.3	51.3	44.7	45.3	44.7	45.3
15 BIRRELL STREET	DWELLING	434886.16	559715.11	50.2	51.2	50.2	51.1	44.5	45.1	44.5	45.1
16 BIRRELL STREET	DWELLING	434894.84	559670.15	50.8	51.7	50.6	51.6	45.1	45.7	45.0	45.6
17 BIRRELL STREET	DWELLING	434900.06	559714.85	49.8	50.6	49.7	50.5	43.8	44.3	43.8	44.3
18 BIRRELL STREET	DWELLING	434889.79	559681.2	50.3	51.2	50.2	51.2	44.6	45.2	44.5	45.2
20 BIRRELL STREET	DWELLING	434898.61	559689.8	50.1	51.1	50.1	51.1	44.4	45.0	44.4	45.0
22 BIRRELL STREET	DWELLING	434901.48	559692.06	50.1	51.0	50.1	51.0	44.3	44.9	44.3	44.9
24 BIRRELL STREET	DWELLING	434911.64	559699.7	50.0	50.9	49.9	50.9	44.2	44.8	44.2	44.8
1 BIRTLEY AVENUE	DWELLING	434802.54	559820.02	52.5	53.5	52.3	53.4	46.6	47.2	46.5	47.2
2 BIRTLEY AVENUE	DWELLING	434826.2	559837.35	52.9	53.9	52.8	53.8	47.0	47.6	46.9	47.6
3 BIRTLEY AVENUE	DWELLING	434800.7	559824.34	52.6	53.7	52.5	53.5	46.7	47.4	46.6	47.3
4 BIRTLEY AVENUE	DWELLING	434823.53	559842.46	53.0	54.1	52.9	53.9	47.1	47.8	47.0	47.6
5 BIRTLEY AVENUE	DWELLING	434798.88	559828.6	52.7	53.7	52.6	53.6	46.8	47.5	46.7	47.4
6 BIRTLEY AVENUE	DWELLING	434820.29	559848.83	53.3	54.3	53.2	54.2	47.3	47.9	47.2	47.8
7 BIRTLEY AVENUE	DWELLING	434794.6	559839.65	52.9	53.9	52.7	53.8	46.9	47.6	46.8	47.5
8 BIRTLEY AVENUE	DWELLING	434817.66	559854.62	53.5	54.5	53.3	54.4	47.5	48.1	47.4	48.0
9 BIRTLEY AVENUE	DWELLING	434792.86	559846.08	52.6	53.7	52.4	53.5	46.8	47.4	46.7	47.3
10 BIRTLEY AVENUE	DWELLING	434814.51	559863.72	53.9	55.0	53.7	54.8	47.9	48.5	47.8	48.4
11 BIRTLEY AVENUE	DWELLING	434791.15	559852.01	51.9	53.0	51.8	52.9	46.1	46.8	46.0	46.7



Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
12 BIRTLEY AVENUE	DWELLING	434815.74	559875.53	53.3	54.5	53.3	54.5	47.2	48.0	47.1	47.9
14 BIRTLEY AVENUE	DWELLING	434825.85	559877.42	53.2	54.3	53.1	54.3	47.1	47.8	47.0	47.8
15 BIRTLEY AVENUE	DWELLING	434791.94	559865.91	53.3	54.4	53.2	54.3	47.2	47.9	47.0	47.8
17 BIRTLEY AVENUE	DWELLING	434783.46	559862.49	53.2	54.3	53.2	54.3	47.1	47.8	47.0	47.8
1A BIRTLEY AVENUE	DWELLING	434807.67	559813.03	52.1	53.1	52.0	53.0	46.2	46.9	46.1	46.8
2A BIRTLEY AVENUE	DWELLING	434830.11	559830.35	52.9	53.9	52.7	53.7	46.9	47.6	46.8	47.5
1 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434996.3	559265.23	56.8	57.7	56.8	57.5	48.2	48.8	48.2	48.7
2 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434996.3	559265.23	56.8	57.7	56.8	57.5	48.2	48.8	48.2	48.7
3 BLACKWOOD ROAD TOWN END FARM FULWELL	DWELLING	435052.92	559450.12	50.8	51.6	50.7	51.3	43.8	44.2	43.7	44.2
4 BLACKWOOD ROAD TOWN END FARM FULWELL	DWELLING	435050.94	559445.77	50.9	51.6	50.7	51.4	43.8	44.2	43.7	44.2
5 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434974.98	559293.47	55.0	55.9	54.9	55.6	46.1	46.6	46.0	46.5
5 BLACKWOOD ROAD TOWN END FARM FULWELL	DWELLING	435049.73	559443.17	51.1	51.8	50.9	51.5	44.0	44.4	43.9	44.3
7 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434974.98	559293.47	55.0	55.9	54.9	55.6	46.1	46.6	46.0	46.5
9 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434974.98	559293.47	55.0	55.9	54.9	55.6	46.1	46.6	46.0	46.5
9 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434974.98	559293.47	55.0	55.9	54.9	55.6	46.1	46.6	46.0	46.5
11 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434974.98	559293.47	55.0	55.9	54.9	55.6	46.1	46.6	46.0	46.5
11 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434974.98	559293.47	55.0	55.9	54.9	55.6	46.1	46.6	46.0	46.5
15 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434986.88	559320.42	53.5	54.3	53.5	54.1	45.2	45.7	45.2	45.6
17 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434986.88	559320.42	53.5	54.3	53.5	54.1	45.2	45.7	45.2	45.6
19 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434986.88	559320.42	53.5	54.3	53.5	54.1	45.2	45.7	45.2	45.6
21 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434986.88	559320.42	53.5	54.3	53.5	54.1	45.2	45.7	45.2	45.6
25 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	435011.64	559375.67	52.4	53.2	52.3	52.9	45.1	45.7	45.2	45.6
27 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	435013.26	559379.08	52.0	52.8	51.8	52.5	44.8	45.4	44.9	45.3
32 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	435033.76	559326.9	52.0	52.9	51.8	52.7	45.5	46.1	45.5	46.0
33 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	435033.76	559326.9	52.0	52.9	51.8	52.7	45.5	46.1	45.5	46.0
34 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	435016.64	559331.2	52.2	53.1	52.1	53.0	45.9	46.5	45.8	46.4
35 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	435016.64	559331.2	52.2	53.1	52.1	53.0	45.9	46.5	45.8	46.4
36 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	435014.93	559325.15	51.1	52.0	51.0	51.9	45.1	45.7	45.1	45.7
37 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	435014.93	559325.15	51.1	52.0	51.0	51.9	45.1	45.7	45.1	45.7
38 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	435011.08	559320.26	53.0	54.0	52.9	53.8	46.4	47.0	46.4	46.9
39 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	435011.08	559320.26	53.0	54.0	52.9	53.8	46.4	47.0	46.4	46.9
40 BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	435010.52	559309.04	53.0	53.9	52.9	53.7	46.5	47.1	46.5	47.0
1A BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434986.88	559320.42	53.5	54.3	53.5	54.1	45.2	45.7	45.2	45.6
1A BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434946.12	559218.85	63.0	64.0	63.0	63.8	51.8	52.6	51.8	52.5
21A BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434986.88	559320.42	53.5	54.3	53.5	54.1	45.2	45.7	45.2	45.6
5A BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434974.98	559293.47	55.0	55.9	54.9	55.6	46.1	46.6	46.0	46.5
7A BLACKWOOD ROAD CASTLETOWN FULWELL	DWELLING	434974.98	559293.47	55.0	55.9	54.9	55.6	46.1	46.6	46.0	46.5
1 BLETCHLEY AVENUE	DWELLING	434759.77	559772.57	52.7	53.6	52.5	53.6	46.8	47.4	46.6	47.4
2 BLETCHLEY AVENUE	DWELLING	434776.66	559792.53	52.2	53.2	52.2	53.2	46.4	47.0	46.4	47.0
3 BLETCHLEY AVENUE	DWELLING	434756.6	559776.72	52.8	53.8	52.7	53.7	46.9	47.5	46.8	47.4
4 BLETCHLEY AVENUE	DWELLING	434773.22	559796.95	52.4	53.3	52.3	53.3	46.6	47.1	46.5	47.1
5 BLETCHLEY AVENUE	DWELLING	434752.3	559782.88	52.9	53.9	52.8	53.8	47.0	47.6	46.9	47.6
6 BLETCHLEY AVENUE	DWELLING	434768.35	559804.97	52.6	53.6	52.4	53.5	46.7	47.3	46.6	47.2
7 BLETCHLEY AVENUE	DWELLING	434749.42	559787.29	53.0	54.0	52.9	53.9	47.1	47.7	47.0	47.6
8 BLETCHLEY AVENUE	DWELLING	434765.86	559811.25	52.7	53.8	52.6	53.6	46.8	47.5	46.7	47.4
9 BLETCHLEY AVENUE	DWELLING	434745.32	559793.88	53.2	54.2	53.1	54.1	47.3	47.8	47.1	47.7
10 BLETCHLEY AVENUE	DWELLING	434761.89	559823.2	52.9	53.9	52.8	53.8	47.0	47.6	46.9	47.5
11 BLETCHLEY AVENUE	DWELLING	434743.02	559799.36	53.2	54.2	53.1	54.2	47.3	47.9	47.2	47.9
12 BLETCHLEY AVENUE	DWELLING	434760.34	559828.52	53.1	54.1	52.9	54.0	47.1	47.7	47.0	47.7
14 BLETCHLEY AVENUE	DWELLING	434758.17	559836.03	53.5	54.5	53.4	54.4	47.5	48.1	47.4	48.1
15 BLETCHLEY AVENUE	DWELLING	434738.65	559812.32	53.2	54.1	53.1	54.1	47.3	47.8	47.2	47.8
16 BLETCHLEY AVENUE	DWELLING	434756.08	559843.31	54.0	55.0	53.8	54.9	47.9	48.6	47.8	48.5
17 BLETCHLEY AVENUE	DWELLING	434737.25	559816.79	53.1	54.1	53.0	54.1	47.2	47.8	47.1	47.8
18 BLETCHLEY AVENUE	DWELLING	434753.86	559850.77	54.2	55.3	54.1	55.3	48.1	48.7	48.0	48.7
19 BLETCHLEY AVENUE	DWELLING	434735.04	559823.35	53.2	54.3	53.1	54.2	47.3	47.9	47.2	47.8
20 BLETCHLEY AVENUE	DWELLING	434766.16	559856.89	53.1	54.2	53.0	54.2	47.1	47.7	46.9	47.7
21 BLETCHLEY AVENUE	DWELLING	434733.4	559828.42	52.9	53.9	52.8	53.9	47.1	47.7	47.0	47.7
23 BLETCHLEY AVENUE	DWELLING	434731.33	559834.8	52.1	53.1	51.9	53.0	46.3	46.9	46.1	46.8
25 BLETCHLEY AVENUE	DWELLING	434731.51	559848.28	53.7	54.9	53.7	54.8	47.6	48.3	47.5	48.2
27 BLETCHLEY AVENUE	DWELLING	434723.24	559844.65	53.7	54.8	53.7	54.8	47.6	48.3	47.5	48.2
1A BLETCHLEY AVENUE	DWELLING	434773.03	559772.38	49.6	50.5	49.6	50.4	43.7	44.2	43.6	44.2
2A BLETCHLEY AVENUE	DWELLING	434782.86	559785.8	52.2	53.2	52.1	53.1	46.4	47.0	46.3	46.9
1 BOGNOR STREET	DWELLING	434804.52	559747.71	52.1	53.1	52.1	53.0	46.2	46.9	46.2	46.9
2 BOGNOR STREET	DWELLING	434786.66	559732.22	51.8	52.8	51.7	52.7	46.0	46.6	45.9	46.5
3 BOGNOR STREET	DWELLING	434814.17	559739.12	51.7	52.7	51.6	52.6	45.9	46.5	45.8	46.5
4 BOGNOR STREET	DWELLING	434795.65	559718.15	51.4	52.3	51.3	52.2	45.6	46.2	45.6	46.2
5 BOGNOR STREET	DWELLING	434817.43	559736.14	51.7	52.7	51.5	52.6	45.9	46.5	45.8	46.5
6 BOGNOR STREET	DWELLING	434799.82	559714.47	51.6	52.6	51.5	52.5	45.9	46.5	45.8	46.4
7 BOGNOR STREET	DWELLING	434826.14	559728.33	51.6	52.6	51.5	52.5	45.8	46.4	45.8	46.4
8 BOGNOR STREET	DWELLING	434814.7	559708.13	49.5	50.3	49.4	50.2	43.5	44.1	43.5	44.1
9 BOGNOR STREET	DWELLING	434831.73	559739.43	50.5	51.4	50.4	51.4	44.8	45.4	44.8	45.4
10 BOGNOR STREET	DWELLING	434802.9	559702.16	51.9	52.9	51.7	52.7	46.1	46.8	46.0	46.7
11 BOGNOR STREET	DWELLING	434845.43	559734.67	51.4	52.3	51.2	52.2	45.6	46.2	45.5	46.1
12 BOGNOR STREET	DWELLING	434804.15	559690.41	52.0	52.9	51.8	52.8	46.1	46.7	46.0	46.7



Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
14 BOGNOR STREET	DWELLING	434808.24	559686.78	51.8	52.7	51.7	52.7	46.0	46.6	46.0	46.6
15 BOGNOR STREET	DWELLING	434853.18	559727.68	51.2	52.2	51.1	52.1	45.5	46.1	45.4	46.0
16 BOGNOR STREET	DWELLING	434812.8	559682.74	51.7	52.7	51.6	52.6	45.9	46.5	45.9	46.5
17 BOGNOR STREET	DWELLING	434850.55	559720.45	50.8	51.8	50.8	51.8	45.0	45.7	45.0	45.7
19 BOGNOR STREET	DWELLING	434846.53	559710.17	51.3	52.3	51.2	52.2	45.5	46.2	45.5	46.1
20 BOGNOR STREET	DWELLING	434824.33	559683.23	50.9	51.8	50.8	51.7	45.1	45.7	45.1	45.7
21 BOGNOR STREET	DWELLING	434855.35	559702.51	51.1	52.0	51.0	51.9	45.4	45.9	45.3	45.9
22 BOGNOR STREET	DWELLING	434828.71	559695.47	50.5	51.5	50.5	51.4	44.8	45.4	44.8	45.4
23 BOGNOR STREET	DWELLING	434859	559699.17	51.0	51.9	50.9	51.8	45.3	45.8	45.2	45.8
24 BOGNOR STREET	DWELLING	434837.49	559681.3	51.0	51.9	50.9	51.8	45.3	45.8	45.3	45.8
25 BOGNOR STREET	DWELLING	434867.16	559691.81	51.0	51.9	50.9	51.8	45.3	45.8	45.2	45.8
26 BOGNOR STREET	DWELLING	434840.86	559678.3	51.1	52.0	50.9	51.9	45.4	45.9	45.3	45.9
28 BOGNOR STREET	DWELLING	434856.21	559670.69	49.9	50.6	49.7	50.5	43.9	44.3	43.8	44.3
21 BOOTLE STREET CASTLETOWN FULWELL	DWELLING	435092.93	559278.55	53.0	53.9	52.9	53.7	46.2	46.7	46.1	46.7
23 BOOTLE STREET CASTLETOWN FULWELL	DWELLING	435086.88	559279.18	53.1	53.9	52.9	53.7	46.2	46.8	46.2	46.7
25 BOOTLE STREET CASTLETOWN FULWELL	DWELLING	435079.84	559279.92	53.5	54.3	53.4	54.1	46.4	47.0	46.4	46.9
15 BORODIN AVENUE	DWELLING	434796.44	559582.66	51.4	52.3	51.4	52.3	45.8	46.4	45.7	46.4
17 BORODIN AVENUE	DWELLING	434795.06	559576.3	51.5	52.4	51.4	52.4	45.8	46.5	45.8	46.4
18 BORODIN AVENUE TOWN END FARM FULWELL	DWELLING	434839.62	559537.17	51.3	52.1	51.2	52.0	45.5	46.0	45.4	46.0
19 BORODIN AVENUE	DWELLING	434793.73	559570.19	51.6	52.5	51.6	52.5	45.9	46.5	45.9	46.5
21 BORODIN AVENUE TOWN END FARM FULWELL	DWELLING	434791.77	559559.36	51.9	52.8	51.8	52.7	46.2	46.7	46.1	46.7
23 BORODIN AVENUE TOWN END FARM FULWELL	DWELLING	434791.29	559553.16	52.0	52.9	52.0	52.9	46.3	46.8	46.3	46.9
24 BORODIN AVENUE TOWN END FARM FULWELL	DWELLING	434822.18	559441.94	52.8	53.7	52.7	53.5	46.6	47.2	46.7	47.1
25 BORODIN AVENUE TOWN END FARM FULWELL	DWELLING	434790.81	559546.99	52.2	53.2	52.1	53.1	46.4	47.0	46.4	47.0
27 BORODIN AVENUE TOWN END FARM FULWELL	DWELLING	434790.97	559535.93	52.4	53.4	52.3	53.3	46.5	47.1	46.5	47.1
29 BORODIN AVENUE TOWN END FARM FULWELL	DWELLING	434791.49	559529.82	52.4	53.4	52.4	53.4	46.6	47.1	46.6	47.2
31 BORODIN AVENUE TOWN END FARM FULWELL	DWELLING	434791.19	559521.53	52.7	53.6	52.6	53.6	46.7	47.3	46.7	47.3
33 BORODIN AVENUE TOWN END FARM FULWELL	DWELLING	434795.87	559500.64	53.0	54.0	53.0	54.0	47.0	47.7	47.0	47.7
35 BORODIN AVENUE TOWN END FARM FULWELL	DWELLING	434797.85	559492.16	53.2	54.1	53.1	54.1	47.2	47.7	47.2	47.8
37 BORODIN AVENUE TOWN END FARM FULWELL	DWELLING	434803.22	559470.61	53.2	54.2	53.2	54.1	47.2	47.8	47.2	47.8
39 BORODIN AVENUE TOWN END FARM FULWELL	DWELLING	434805.34	559461.68	53.2	54.1	53.2	54.1	47.2	47.8	47.2	47.8
41 BORODIN AVENUE TOWN END FARM FULWELL	DWELLING	434814.9	559440.25	52.7	53.5	52.6	53.4	46.5	47.0	46.4	47.0
7 BOSTON CRESCENT	DWELLING	434495.29	559584.66	56.9	58.3	57.0	58.2	50.1	50.8	50.3	50.9
9 BOSTON CRESCENT	DWELLING	434484.29	559592.92	56.9	57.7	57.0	57.8	50.5	51.0	50.6	51.2
10 BOSTON CRESCENT	DWELLING	434515.24	559596.42	57.9	59.7	58.0	59.6	51.3	52.1	51.3	52.2
11 BOSTON CRESCENT	DWELLING	434482.53	559597.1	57.4	58.2	57.5	58.3	50.9	51.4	51.0	51.6
12 BOSTON CRESCENT	DWELLING	434512.02	559606.99	57.7	58.6	57.7	58.6	51.2	51.8	51.1	51.8
14 BOSTON CRESCENT	DWELLING	434506.08	559621.02	58.1	59.0	58.0	58.9	51.6	52.2	51.5	52.1
15 BOSTON CRESCENT	DWELLING	434479.55	559601.15	57.6	58.5	57.6	58.6	51.1	51.7	51.2	51.8
16 BOSTON CRESCENT	DWELLING	434503.77	559626.47	58.5	59.4	58.4	59.4	51.9	52.5	51.7	52.4
17 BOSTON CRESCENT	DWELLING	434477.14	559606.65	57.6	58.4	57.6	58.5	51.1	51.6	51.2	51.8
18 BOSTON CRESCENT	DWELLING	434501.46	559631.9	58.8	59.7	58.8	59.7	52.1	52.7	52.0	52.7
19 BOSTON CRESCENT	DWELLING	434473.53	559611.78	57.0	57.9	57.2	58.0	50.6	51.3	50.8	51.4
21 BOSTON CRESCENT	DWELLING	434472.51	559625.25	59.3	60.1	59.2	60.0	52.3	52.9	52.3	52.9
23 BOSTON CRESCENT	DWELLING	434465.25	559621.06	59.5	60.3	59.5	60.3	52.5	53.1	52.5	53.0
31 BOSTON CRESCENT	DWELLING	434455.62	559616.7	60.1	60.9	60.0	60.7	53.0	53.6	52.9	53.5
33 BOSTON CRESCENT	DWELLING	434450.04	559614.25	60.4	61.1	60.3	61.1	53.3	53.8	53.1	53.8
35 BOSTON CRESCENT	DWELLING	434443.54	559611.58	60.8	61.5	60.7	61.5	53.5	54.1	53.4	54.1
37 BOSTON CRESCENT	DWELLING	434437.35	559608.93	61.2	61.9	61.1	61.8	53.9	54.4	53.8	54.4
39 BOSTON CRESCENT	DWELLING	434426.21	559586.65	64.6	65.4	64.6	65.4	56.6	57.1	56.7	57.2
41 BOSTON CRESCENT	DWELLING	434424.07	559591.73	64.2	65.0	64.2	65.0	56.2	56.7	56.3	56.9
43 BOSTON CRESCENT	DWELLING	434420.32	559597.3	64.9	65.7	64.9	65.7	56.9	57.4	57.0	57.5
45 BOSTON CRESCENT	DWELLING	434428.75	559605.49	61.7	62.4	61.8	62.4	54.3	54.9	54.4	54.9
51 BOSTON CRESCENT	DWELLING	434428.68	559581.15	64.6	65.5	64.6	65.5	56.6	57.2	56.7	57.3
53 BOSTON CRESCENT	DWELLING	434430.95	559575.91	64.7	65.6	64.6	65.4	56.6	57.2	56.7	57.2
55 BOSTON CRESCENT	DWELLING	434433.69	559569.6	64.5	65.6	64.5	65.4	56.5	57.1	56.6	57.2
1 BOSTON STREET	DWELLING	434618.22	559616.4	55.5	56.5	55.4	56.5	49.1	49.8	49.1	49.8
2 BOSTON STREET	DWELLING	434579.85	559634.01	56.4	57.4	56.3	57.3	50.0	50.7	49.9	50.6
3 BOSTON STREET	DWELLING	434610.88	559612.3	54.9	55.8	54.8	55.8	48.6	49.2	48.5	49.2
4 BOSTON STREET	DWELLING	434589.14	559623.67	54.0	55.8	54.0	55.7	47.8	48.7	47.9	48.7
6 BOSTON STREET	DWELLING	434582.37	559621.9	54.0	56.0	54.1	55.8	47.9	48.8	48.0	48.9
8 BOSTON STREET	DWELLING	434578.4	559620.21	54.2	56.2	54.3	56.0	48.1	49.0	48.2	49.0
14 BOSTON STREET	DWELLING	434573.41	559618.08	54.4	56.4	54.5	56.2	48.2	49.1	48.3	49.1
15 BOSTON STREET	DWELLING	434595.77	559605.88	54.3	55.3	54.3	55.4	48.1	48.7	48.0	48.8
16 BOSTON STREET	DWELLING	434567.48	559615.56	54.5	56.5	54.5	56.4	48.3	49.2	48.3	49.2
17 BOSTON STREET	DWELLING	434590	559603.4	54.5	55.5	54.5	55.5	48.3	48.9	48.3	48.9
18 BOSTON STREET	DWELLING	434562.57	559613.47	54.6	56.7	54.7	56.5	48.3	49.3	48.5	49.3
19 BOSTON STREET	DWELLING	434583	559600.47	54.7	55.8	54.7	55.8	48.5	49.1	48.5	49.1
20 BOSTON STREET	DWELLING	434555.51	559610.43	54.8	57.0	55.0	56.8	48.5	49.5	48.7	49.5
21 BOSTON STREET	DWELLING	434578.39	559598.51	54.8	55.8	54.8	55.9	48.5	49.1	48.5	49.2
22 BOSTON STREET	DWELLING	434551.51	559608.73	54.9	57.1	55.0	56.9	48.6	49.6	48.8	49.6
23 BOSTON STREET	DWELLING	434571.18	559595.42	55.0	56.0	55.0	56.1	48.7	49.3	48.7	49.4
24 BOSTON STREET	DWELLING	434544.36	559605.73	55.3	57.5	55.3	57.3	49.0	49.9	49.0	50.0
25 BOSTON STREET	DWELLING	434566.93	559593.65	55.0	56.1	55.0	56.1	48.7	49.3	48.7	49.4

Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
26 BOSTON STREET	DWELLING	434540.12	559603.93	55.3	57.6	55.3	57.4	49.0	50.0	49.0	50.0
28 BOSTON STREET	DWELLING	434533.72	559601.22	55.5	57.8	55.5	57.6	49.1	50.1	49.2	50.1
29 BOSTON STREET	DWELLING	434556.29	559572.74	56.3	57.2	56.3	57.2	50.0	50.6	50.0	50.6
30 BOSTON STREET	DWELLING	434481.43	559577.84	57.9	59.8	58.0	59.7	51.0	51.9	51.2	52.0
32 BOSTON STREET	DWELLING	434475.03	559575.83	58.4	60.2	58.5	60.1	51.4	52.3	51.5	52.3
33 BOSTON STREET	DWELLING	434527.45	559577.43	56.8	58.1	56.9	58.2	50.2	50.8	50.3	51.0
34 BOSTON STREET	DWELLING	434465.38	559571.67	59.1	60.9	59.2	60.8	52.0	52.8	52.2	52.9
35 BOSTON STREET	DWELLING	434522.16	559574.28	56.8	58.0	56.9	58.0	50.2	50.8	50.3	50.9
36 BOSTON STREET	DWELLING	434458.89	559568.84	59.7	61.4	59.7	61.3	52.4	53.2	52.5	53.3
37 BOSTON STREET	DWELLING	434517.77	559572.41	56.6	57.8	56.7	57.9	50.0	50.6	50.1	50.7
38 BOSTON STREET	DWELLING	434450.52	559565.07	60.9	62.6	61.0	62.4	53.3	54.1	53.4	54.1
39 BOSTON STREET	DWELLING	434512.41	559570.1	56.6	57.8	56.7	57.9	49.9	50.5	50.0	50.7
40 BOSTON STREET	DWELLING	434436.83	559562.29	64.5	65.6	64.5	65.4	56.4	57.1	56.6	57.1
41 BOSTON STREET	DWELLING	434507.43	559567.95	56.7	58.1	56.9	58.1	50.0	50.7	50.2	50.8
43 BOSTON STREET	DWELLING	434502.82	559565.95	57.0	58.3	57.1	58.3	50.2	50.9	50.4	51.0
45 BOSTON STREET	DWELLING	434496.18	559562.86	57.3	58.7	57.4	58.7	50.5	51.3	50.7	51.4
47 BOSTON STREET	DWELLING	434491.12	559560.72	57.4	58.9	57.6	58.9	50.6	51.4	50.9	51.6
49 BOSTON STREET	DWELLING	434486.45	559558.75	57.7	59.2	57.8	59.2	50.8	51.5	51.0	51.7
51 BOSTON STREET	DWELLING	434478.59	559555.47	58.2	59.9	58.4	59.9	51.2	52.0	51.4	52.2
53 BOSTON STREET	DWELLING	434474.2	559553.58	58.4	60.2	58.6	60.2	51.3	52.2	51.6	52.3
55 BOSTON STREET	DWELLING	434468.99	559551.33	59.0	60.9	59.3	60.8	51.8	52.6	52.1	52.8
57 BOSTON STREET	DWELLING	434461.94	559548.23	60.1	61.7	60.3	61.7	52.7	53.4	52.9	53.6
28A BOSTON STREET	DWELLING	434526.87	559598.18	55.8	58.0	55.9	57.8	49.3	50.3	49.4	50.3
30A BOSTON STREET	DWELLING	434488.09	559581.57	57.2	58.6	57.3	58.6	50.5	51.2	50.6	51.3
20 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435041.34	559301.98	52.5	53.3	52.3	52.9	44.8	45.2	44.8	45.1
21 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435041.34	559301.98	52.5	53.3	52.3	52.9	44.8	45.2	44.8	45.1
22 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435043.08	559308.01	52.3	53.0	52.1	52.7	44.8	45.1	44.7	45.0
23 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435043.08	559308.01	52.3	53.0	52.1	52.7	44.8	45.1	44.7	45.0
24 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435059.13	559319.41	53.7	54.5	53.6	54.4	46.7	47.2	46.7	47.2
25 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435059.13	559319.41	53.7	54.5	53.6	54.4	46.7	47.2	46.7	47.2
26 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435052.84	559321.23	53.3	54.1	53.1	53.9	46.4	46.9	46.4	46.8
27 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435071.56	559280.77	55.1	56.0	55.0	55.7	47.2	47.7	47.1	47.6
27 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435052.84	559321.23	53.3	54.1	53.1	53.9	46.4	46.9	46.4	46.8
28 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435046.68	559323.12	52.9	53.8	52.9	53.6	46.1	46.7	46.1	46.6
29 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435046.68	559323.12	52.9	53.8	52.9	53.6	46.1	46.7	46.1	46.6
30 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435040.36	559324.98	51.9	52.8	51.8	52.6	45.4	45.9	45.3	45.9
31 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435040.36	559324.98	51.9	52.8	51.8	52.6	45.4	45.9	45.3	45.9
46 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435090.73	559196.43	66.8	67.8	66.9	67.5	54.6	55.4	54.7	55.2
48 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435086.15	559196.95	66.7	67.7	66.7	67.4	54.5	55.3	54.5	55.1
52 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435077.68	559197.77	66.7	67.7	66.7	67.4	54.5	55.3	54.5	55.1
54 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435077.68	559197.77	66.7	67.7	66.7	67.4	54.5	55.3	54.5	55.1
56 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435068.5	559198.75	66.6	67.6	66.7	67.3	54.4	55.2	54.4	55.0
58 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435068.5	559198.75	66.6	67.6	66.7	67.3	54.4	55.2	54.4	55.0
60 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435061.92	559199.46	66.5	67.4	66.5	67.1	54.3	55.1	54.3	54.9
62 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435054.36	559200.27	66.4	67.3	66.4	67.0	54.2	55.0	54.2	54.8
64 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435054.36	559200.27	66.4	67.3	66.4	67.0	54.2	55.0	54.2	54.8
66 BRENTFORD AVENUE CASTLETOWN FULWELL	DWELLING	435061.92	559199.46	66.5	67.4	66.5	67.1	54.3	55.1	54.3	54.9
1 BRENTFORD SQUARE CASTLETOWN FULWELL	DWELLING	435076.35	559251.46	54.7	55.6	54.6	55.4	46.9	47.5	46.8	47.4
2 BRENTFORD SQUARE CASTLETOWN FULWELL	DWELLING	435084.2	559250.64	54.0	54.9	53.9	54.7	46.5	47.1	46.5	47.0
3 BRENTFORD SQUARE CASTLETOWN FULWELL	DWELLING	435090.94	559249.93	53.8	54.6	53.7	54.4	46.5	47.1	46.5	47.0
14 BRENTFORD SQUARE CASTLETOWN FULWELL	DWELLING	435093.25	559221.41	55.4	56.3	55.3	56.2	47.1	47.7	47.0	47.6
15 BRENTFORD SQUARE CASTLETOWN FULWELL	DWELLING	435087.65	559222.11	55.7	56.7	55.7	56.5	47.2	47.8	47.2	47.7
16 BRENTFORD SQUARE CASTLETOWN FULWELL	DWELLING	435080.94	559222.98	56.0	57.0	55.9	56.7	47.2	47.8	47.1	47.7
17 BRENTFORD SQUARE CASTLETOWN FULWELL	DWELLING	435074.74	559223.67	56.5	57.5	56.5	57.4	47.4	48.1	47.4	48.0
18 BRENTFORD SQUARE CASTLETOWN FULWELL	DWELLING	435066.44	559224.36	57.7	58.7	57.7	58.4	48.2	48.9	48.2	48.8
70 BRENTFORD SQUARE CASTLETOWN FULWELL	DWELLING	435058.42	559224.36	58.9	59.9	58.9	59.6	49.1	49.8	49.1	49.7
1A BRENTFORD SQUARE CASTLETOWN FULWELL	DWELLING	435068.85	559252.25	55.5	56.5	55.5	56.2	47.3	47.9	47.3	47.8
HYLTON BRIDGE FARM UNNAMED ROAD WASHINGTON NORTH SUNDERLAND DISTRICT (B)	DWELLING	433356.66	559538.17	52.4	54.6	52.4	54.5	45.8	46.9	45.7	46.8
HYLTON BRIDGE FARM UNNAMED ROAD WASHINGTON NORTH SUNDERLAND DISTRICT (B)	DWELLING	433423.68	559522.22	52.8	55.1	52.7	55.1	46.2	47.3	46.1	47.2
1 BRISTOL AVENUE	DWELLING	434547.32	559515.3	56.4	57.2	56.4	57.3	49.9	50.4	49.9	50.5
3 BRISTOL AVENUE	DWELLING	434542.99	559513.45	56.5	57.4	56.5	57.5	50.0	50.6	50.0	50.7
5 BRISTOL AVENUE	DWELLING	434536.88	559510.79	56.7	57.7	56.8	57.7	50.1	50.8	50.2	50.8
7 BRISTOL AVENUE	DWELLING	434532.39	559508.87	56.8	57.8	57.0	57.9	50.2	50.9	50.4	51.0
9 BRISTOL AVENUE	DWELLING	434525.28	559505.82	57.2	58.1	57.2	58.1	50.5	51.1	50.6	51.2
11 BRISTOL AVENUE	DWELLING	434520.6	559503.8	57.4	58.3	57.5	58.4	50.7	51.3	50.8	51.4
12 BRISTOL AVENUE	DWELLING	434546	559531.69	55.8	56.5	55.8	56.5	49.4	50.0	49.5	50.0
14 BRISTOL AVENUE	DWELLING	434531.2	559526.23	56.3	56.9	56.4	57.0	49.8	50.4	49.9	50.4
15 BRISTOL AVENUE	DWELLING	434513.79	559500.87	57.8	58.8	57.9	58.8	51.0	51.6	51.1	51.7
16 BRISTOL AVENUE	DWELLING	434525.16	559523.62	56.5	57.1	56.6	57.2	50.0	50.5	50.1	50.6
17 BRISTOL AVENUE	DWELLING	434506.03	559497.59	58.4	59.4	58.5	59.4	51.5	52.1	51.6	52.2
18 BRISTOL AVENUE	DWELLING	434520.84	559521.76	56.7	57.3	56.7	57.4	50.1	50.7	50.2	50.8
19 BRISTOL AVENUE	DWELLING	434501.61	559495.63	58.8	59.8	58.8	59.7	51.8	52.3	51.9	52.4
20 BRISTOL AVENUE	DWELLING	434514.07	559518.93	57.1	57.7	57.2	57.7	50.4	51.0	50.6	51.1
21 BRISTOL AVENUE	DWELLING	434495.58	559492.96	59.4	60.5	59.5	60.5	52.3	52.8	52.3	52.9

Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
22 BRISTOL AVENUE	DWELLING	434509.64	559517.08	57.3	57.8	57.4	57.9	50.6	51.1	50.7	51.2
23 BRISTOL AVENUE	DWELLING	434488.11	559489.49	60.5	61.3	60.5	61.3	53.0	53.5	53.1	53.7
24 BRISTOL AVENUE	DWELLING	434503.91	559514.7	57.5	58.1	57.6	58.1	50.8	51.4	50.9	51.4
26 BRISTOL AVENUE	DWELLING	434497.5	559511.53	58.2	58.7	58.3	58.8	51.3	51.8	51.4	52.0
28 BRISTOL AVENUE	DWELLING	434493.36	559509.74	58.5	59.0	58.6	59.1	51.5	52.1	51.7	52.2
30 BRISTOL AVENUE	DWELLING	434487.38	559507.16	59.4	59.8	59.3	59.9	52.1	52.6	52.2	52.7
32 BRISTOL AVENUE	DWELLING	434480.53	559504.21	60.5	61.0	60.5	61.0	52.9	53.5	53.0	53.6
1 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434708.53	558782.75	65.9	66.7	65.6	66.4	58.7	59.3	58.6	59.2
2 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434718.63	558736.91	66.2	67.0	66.2	67.0	59.2	59.8	59.2	59.8
3 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434719.38	558781.8	63.3	64.1	63.3	64.0	56.7	57.2	56.6	57.2
4 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434724.61	558745.56	64.5	65.3	64.4	65.2	57.7	58.3	57.7	58.3
5 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434726.28	558783.81	62.1	62.9	62.1	62.9	55.6	56.2	55.6	56.2
6 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434732.08	558750.3	63.6	64.4	63.6	64.4	57.0	57.6	57.0	57.6
7 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434772.19	558805.23	58.7	59.5	58.6	59.4	52.6	53.2	52.6	53.1
9 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434782.88	558806.54	57.4	58.2	57.3	58.0	51.4	52.0	51.4	51.9
10 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434779.09	558773.41	59.3	60.1	59.3	60.1	53.2	53.8	53.2	53.8
11 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434788.91	558810.03	57.1	57.8	56.9	57.7	51.1	51.6	51.0	51.6
12 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434783.32	558776.35	59.1	59.8	59.1	59.8	53.0	53.6	53.0	53.5
14 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434789.04	558779.03	59.1	59.9	59.1	59.9	53.0	53.6	53.0	53.6
16 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434793.55	558781.54	58.8	59.6	58.8	59.6	52.7	53.4	52.7	53.4
17 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434828.41	558837.04	55.9	56.7	55.7	56.5	50.0	50.6	49.9	50.5
18 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434804.19	558787.73	58.5	59.3	58.5	59.2	52.5	53.0	52.5	53.0
19 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434839.81	558839.14	54.6	55.3	54.3	55.0	48.7	49.2	48.6	49.1
20 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434806.22	558776.16	56.2	57.0	56.0	56.8	50.3	50.9	50.2	50.8
21 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434848.81	558844.05	54.8	55.5	54.6	55.3	48.9	49.4	48.8	49.3
22 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434816.73	558773.36	55.4	56.1	55.1	55.9	49.5	50.0	49.4	49.9
23 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434900.9	558870.67	55.5	56.3	55.3	56.1	49.6	50.1	49.5	50.0
24 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434828.17	558775.31	54.1	54.7	53.7	54.4	48.2	48.6	48.1	48.5
25 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434911.89	558869.7	54.6	55.3	54.4	55.0	48.7	49.2	48.7	49.1
26 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434835.3	558779.53	54.0	54.7	53.6	54.3	48.1	48.5	48.0	48.4
27 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434921.09	558871.58	54.7	55.4	54.4	55.1	48.7	49.2	48.7	49.2
29 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434925.87	558872.67	54.6	55.2	54.3	55.0	48.7	49.1	48.6	49.0
31 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434933.8	558874.04	54.5	55.2	54.2	55.0	48.6	49.1	48.5	49.0
33 CAITHNESS ROAD CASTLETOWN FULWELL	DWELLING	434939.45	558875.09	54.6	55.2	54.3	54.9	48.6	49.0	48.5	48.9
1 CAITHNESS SQUARE CASTLETOWN FULWELL	DWELLING	434726.86	558794.71	58.2	59.1	58.2	59.0	52.2	52.9	52.2	52.8
2 CAITHNESS SQUARE CASTLETOWN FULWELL	DWELLING	434725.41	558799.74	59.0	59.8	59.0	59.8	52.9	53.6	52.9	53.5
3 CAITHNESS SQUARE CASTLETOWN FULWELL	DWELLING	434723.05	558807.96	59.4	60.2	59.4	60.2	53.3	53.9	53.2	53.9
4 CAITHNESS SQUARE CASTLETOWN FULWELL	DWELLING	434721.29	558814.17	59.6	60.4	59.6	60.3	53.4	54.0	53.4	54.0
5 CAITHNESS SQUARE CASTLETOWN FULWELL	DWELLING	434726.17	558824.2	58.8	59.6	58.8	59.5	52.7	53.3	52.7	53.3
6 CAITHNESS SQUARE CASTLETOWN FULWELL	DWELLING	434732.97	558832.38	57.8	58.6	57.8	58.6	51.8	52.4	51.8	52.4
7 CAITHNESS SQUARE CASTLETOWN FULWELL	DWELLING	434739.3	558835.32	57.5	58.2	57.5	58.2	51.5	52.1	51.5	52.1
8 CAITHNESS SQUARE CASTLETOWN FULWELL	DWELLING	434748.3	558825.92	57.1	57.9	57.0	57.7	51.1	51.7	51.1	51.7
9 CAITHNESS SQUARE CASTLETOWN FULWELL	DWELLING	434752.09	558820.64	58.4	59.1	58.3	59.0	52.3	52.9	52.3	52.9
10 CAITHNESS SQUARE CASTLETOWN FULWELL	DWELLING	434756.75	558814.26	58.9	59.6	58.8	59.5	52.8	53.3	52.7	53.3
11 CAITHNESS SQUARE CASTLETOWN FULWELL	DWELLING	434759.92	558809.72	59.1	59.8	58.9	59.7	52.9	53.5	52.8	53.5
2 CALEDONIAN ROAD CASTLETOWN FULWELL	DWELLING	434846.05	559153.02	62.5	63.5	62.4	63.5	51.1	52.0	51.1	51.9
4 CALEDONIAN ROAD CASTLETOWN FULWELL	DWELLING	434845.94	559138.17	55.7	56.5	55.6	56.4	49.2	49.7	49.2	49.7
6 CALEDONIAN ROAD CASTLETOWN FULWELL	DWELLING	434848.92	559129.33	55.4	56.3	55.3	56.2	49.0	49.6	49.0	49.6
7 CALEDONIAN ROAD CASTLETOWN FULWELL	DWELLING	434921.26	559131.27	54.4	55.4	54.4	55.2	46.5	47.2	46.5	47.1
8 CALEDONIAN ROAD CASTLETOWN FULWELL	DWELLING	434853.43	559118.77	55.1	55.9	55.0	55.8	48.8	49.4	48.8	49.3
1 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434785.39	558822.7	57.6	58.4	57.5	58.4	51.6	52.3	51.6	52.3
2 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434811.58	558837.18	56.8	57.6	56.7	57.5	50.8	51.4	50.8	51.4
3 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434782.12	558827.64	57.3	58.2	57.2	58.1	51.4	52.0	51.4	52.0
4 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434803.35	558846.72	56.9	57.7	56.8	57.6	50.9	51.5	50.9	51.4
5 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434776.96	558835.13	57.3	58.1	57.2	57.9	51.3	51.9	51.3	51.8
6 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434799.81	558851.91	57.0	57.8	56.9	57.7	51.0	51.6	50.9	51.5
7 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434773.34	558840.34	57.3	58.1	57.2	57.9	51.3	51.9	51.3	51.8
8 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434794.39	558859.23	57.0	57.8	56.9	57.6	51.0	51.6	50.9	51.5
9 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434768.2	558847.05	57.5	58.2	57.3	58.1	51.5	52.0	51.4	52.0
10 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434790.52	558864.29	57.1	57.9	56.9	57.7	51.1	51.6	51.0	51.6
11 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434764.27	558852.14	57.4	58.1	57.3	58.0	51.4	52.0	51.4	51.9
12 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434782.97	558874.23	57.2	58.0	57.1	57.9	51.2	51.8	51.2	51.8
14 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434747.51	558916.65	58.1	58.9	58.0	58.8	52.0	52.6	52.0	52.6
14 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434779.39	558878.78	57.3	58.1	57.2	58.0	51.3	51.9	51.3	51.9
15 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434758.95	558858.86	57.3	58.0	57.2	57.9	51.3	51.9	51.3	51.8
15 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434822.8	558839.17	54.7	55.4	54.5	55.1	48.8	49.3	48.7	49.2
16 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434771.88	558888.53	57.9	58.7	57.7	58.6	51.8	52.4	51.7	52.4
17 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434755.74	558862.96	57.1	57.8	56.9	57.7	51.1	51.7	51.0	51.7
18 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434743.78	558922.87	58.1	59.0	58.0	58.9	52.0	52.7	52.0	52.6
18 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434726.87	558898.82	58.1	58.9	58.0	58.9	52.1	52.7	52.0	52.7
19 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434749	558879.81	58.6	59.4	58.6	59.4	52.5	53.1	52.5	53.1
20 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434738.84	558929.37	58.5	59.3	58.4	59.2	52.3	52.9	52.3	52.9
21 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434723.15	558905.12	58.4	59.2	58.3	59.2	52.3	53.0	52.3	52.9
22 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434735.79	558933.36	58.9	59.6	58.7	59.6	52.7	53.3	52.6	53.2



Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
23 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434717.06	558911.71	58.6	59.4	58.5	59.4	52.5	53.1	52.5	53.1
24 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434731.29	558938.07	59.4	60.2	59.3	60.1	53.1	53.7	53.1	53.7
25 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434713.58	558916.2	58.6	59.5	58.6	59.4	52.5	53.2	52.5	53.1
26 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434728.79	558942.29	59.9	60.7	59.8	60.7	53.6	54.2	53.5	54.2
27 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434708.92	558923.53	59.0	59.8	58.9	59.7	52.8	53.4	52.8	53.3
28 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434731.13	558952.74	60.3	61.2	60.3	61.1	54.0	54.6	54.0	54.6
29 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434705.39	558934.72	62.1	62.9	62.0	62.9	55.5	56.1	55.4	56.1
30 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434737.35	558962.46	59.5	60.4	59.5	60.3	53.3	53.9	53.3	53.9
31 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434696.44	558927.45	63.1	64.0	63.0	64.0	56.3	57.0	56.3	57.0
32 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434736.16	558968.4	60.2	60.9	60.1	60.9	53.9	54.4	53.9	54.4
33 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434692.57	558924.27	63.5	64.5	63.5	64.3	56.7	57.3	56.6	57.2
34 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434731.17	558974.44	60.3	61.1	60.2	61.1	54.0	54.6	54.0	54.6
35 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434687.5	558920.66	64.3	65.3	64.3	65.2	57.3	58.0	57.3	58.0
36 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434724.7	558981.99	60.4	61.2	60.4	61.2	54.1	54.7	54.1	54.7
37 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434682.43	558913.22	65.0	66.0	65.0	66.0	57.8	58.6	57.8	58.5
38 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434719.96	558987.7	60.5	61.3	60.5	61.3	54.2	54.8	54.1	54.8
40 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434713.35	558995.38	60.5	61.3	60.5	61.2	54.2	54.7	54.1	54.7
42 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434708.71	559000.85	60.5	61.3	60.5	61.3	54.2	54.8	54.1	54.8
44 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434701.08	559002.57	60.5	61.2	60.4	61.2	54.1	54.6	54.1	54.6
46 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434693.95	559001.66	61.3	62.1	61.2	62.1	54.8	55.4	54.8	55.4
48 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434683.32	559000.1	62.2	63.0	62.0	63.0	55.5	56.1	55.4	56.1
50 CAPETOWN ROAD CASTLETOWN FULWELL	DWELLING	434672.02	559003.13	64.2	65.2	64.0	65.1	57.0	57.7	56.9	57.7
1 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434744.17	558875.07	59.0	59.8	58.9	59.7	52.8	53.5	52.8	53.5
2 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434736.59	558869.57	59.3	60.1	59.3	60.0	53.2	53.7	53.2	53.7
3 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434732.01	558866.34	59.9	60.7	59.9	60.6	53.7	54.3	53.7	54.2
4 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434726.23	558862.3	60.8	61.6	60.8	61.5	54.5	55.1	54.5	55.0
5 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434719.74	558857.65	61.8	62.6	61.8	62.6	55.3	56.0	55.3	56.0
6 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434714.93	558854.23	62.8	63.6	62.8	63.6	56.2	56.8	56.2	56.8
7 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434708.75	558844.38	64.1	64.9	64.1	64.9	57.3	58.0	57.3	58.0
8 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434707.4	558839.14	64.0	64.9	64.0	64.8	57.3	57.9	57.3	57.9
9 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434702.79	558835.85	64.6	65.5	64.6	65.5	57.8	58.4	57.8	58.4
10 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434696.73	558826.06	66.0	66.8	66.0	66.8	59.0	59.5	58.9	59.5
11 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434696.09	558869.42	64.4	65.1	64.3	65.1	57.5	58.1	57.5	58.1
12 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434706.52	558871.48	61.2	61.9	61.1	61.8	54.8	55.3	54.7	55.3
14 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434712.22	558875.56	60.0	60.8	59.9	60.8	53.7	54.4	53.7	54.3
15 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434718.73	558880.25	59.5	60.2	59.4	60.1	53.3	53.8	53.3	53.8
16 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434723.6	558883.69	58.7	59.4	58.6	59.4	52.6	53.1	52.6	53.1
17 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434729.17	558887.6	58.2	59.0	58.2	59.0	52.2	52.8	52.1	52.8
43 CAPETOWN SQUARE CASTLETOWN FULWELL	DWELLING	434686.19	558872.31	67.4	68.3	67.2	68.1	60.0	60.6	59.9	60.5
2 CARDIGAN ROAD CASTLETOWN FULWELL	DWELLING	434854.85	558786.34	54.9	55.7	54.6	55.4	49.0	49.5	48.9	49.4
4 CARDIGAN ROAD CASTLETOWN FULWELL	DWELLING	434859.2	558781.5	55.2	56.0	55.0	55.7	49.4	49.9	49.3	49.8
6 CARDIGAN ROAD CASTLETOWN FULWELL	DWELLING	434859.95	558775.39	55.1	55.9	54.9	55.8	49.3	49.9	49.3	49.9
8 CARDIGAN ROAD CASTLETOWN FULWELL	DWELLING	434857.31	558771.32	55.2	56.0	55.0	55.9	49.4	50.0	49.4	50.0
10 CARDIGAN ROAD CASTLETOWN FULWELL	DWELLING	434853.63	558766.41	55.5	56.2	55.2	56.1	49.7	50.2	49.5	50.1
12 CARDIGAN ROAD CASTLETOWN FULWELL	DWELLING	434852.81	558756.77	55.7	56.5	55.4	56.2	49.8	50.3	49.7	50.2
28 CARDIGAN ROAD CASTLETOWN FULWELL	DWELLING	434839.72	558781.91	53.9	54.6	53.6	54.2	48.0	48.4	48.0	48.3
30 CARDIGAN ROAD CASTLETOWN FULWELL	DWELLING	434845.27	558784.95	53.9	54.6	53.5	54.2	48.0	48.4	47.9	48.3
32 CARDIGAN ROAD CASTLETOWN FULWELL	DWELLING	434849.58	558787.28	53.8	54.6	53.5	54.2	47.9	48.4	47.8	48.2
1 CASTLEFORD ROAD CASTLETOWN FULWELL	DWELLING	434765.89	558753.6	59.5	60.2	59.4	60.1	53.3	53.8	53.2	53.8
2 CASTLEFORD ROAD CASTLETOWN FULWELL	DWELLING	434751.25	558714.68	59.1	60.0	59.1	59.9	53.0	53.6	53.0	53.6
2 CASTLEFORD ROAD CASTLETOWN FULWELL	DWELLING	434737.36	558754.83	62.7	63.5	62.6	63.4	56.1	56.8	56.1	56.7
3 CASTLEFORD ROAD CASTLETOWN FULWELL	DWELLING	434771.14	558745.43	58.8	59.5	58.7	59.4	52.7	53.2	52.6	53.1
4 CASTLEFORD ROAD CASTLETOWN FULWELL	DWELLING	434742.24	558738	58.8	59.5	58.7	59.4	52.7	53.2	52.6	53.2
5 CASTLEFORD ROAD CASTLETOWN FULWELL	DWELLING	434774.51	558741	58.6	59.3	58.4	59.2	52.4	53.0	52.4	53.0
6 CASTLEFORD ROAD CASTLETOWN FULWELL	DWELLING	434746.13	558732.58	59.1	59.9	59.0	59.8	52.9	53.6	52.9	53.5
7 CASTLEFORD ROAD CASTLETOWN FULWELL	DWELLING	434786.07	558739.18	57.1	57.8	56.8	57.6	51.0	51.5	50.9	51.4
8 CASTLEFORD ROAD CASTLETOWN FULWELL	DWELLING	434761.36	558758.68	60.6	61.3	60.6	61.3	54.3	54.9	54.3	54.8
8 CASTLEFORD ROAD CASTLETOWN FULWELL	DWELLING	434749.58	558727.81	59.3	60.0	59.2	59.9	53.1	53.7	53.1	53.6
9 CASTLEFORD ROAD CASTLETOWN FULWELL	DWELLING	434796.49	558742	55.2	55.9	54.8	55.5	49.2	49.6	49.1	49.5
10 CASTLEFORD ROAD CASTLETOWN FULWELL	DWELLING	434757.34	558725.89	57.1	57.8	57.0	57.7	51.2	51.7	51.2	51.7
11 CASTLEFORD ROAD CASTLETOWN FULWELL	DWELLING	434801.73	558746.16	54.9	55.6	54.5	55.2	48.9	49.4	48.8	49.2
15 CASTLEFORD ROAD CASTLETOWN FULWELL	DWELLING	434807.29	558748.04	56.0	56.8	55.8	56.5	50.1	50.6	50.0	50.5
17 CASTLEFORD ROAD CASTLETOWN FULWELL	DWELLING	434811.33	558744.68	56.5	57.2	56.2	57.0	50.5	51.0	50.4	50.9
19 CASTLEFORD ROAD CASTLETOWN FULWELL	DWELLING	434816.41	558740.4	56.6	57.3	56.3	57.1	50.6	51.1	50.5	51.0
THE CHALET WASHINGTON ROAD WASHINGTON NORTH SUNDERLAND DISTRICT (B)	DWELLING	433954.05	559083.32	57.7	-	57.9	-	49.2	-	49.3	-
12 CHELMSFORD ROAD CASTLETOWN FULWELL	DWELLING	435013.85	558953.69	53.9	54.8	53.6	54.5	47.8	48.4	47.7	48.3
77 CHELMSFORD ROAD CASTLETOWN FULWELL	DWELLING	435017.86	558964.21	52.2	53.1	52.1	53.0	46.0	46.6	46.0	46.5
2 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434879.87	559074.66	54.6	55.5	54.6	55.4	47.8	48.5	47.8	48.4
9 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434916.79	559122.95	55.7	56.7	55.7	56.5	49.0	49.6	49.0	49.6
10 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434856.2	559109.36	54.9	55.7	54.8	55.6	48.7	49.3	48.6	49.2
11 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434916.05	559116.92	55.9	56.8	55.8	56.7	49.1	49.7	49.1	49.6
12 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434860.43	559099.42	54.2	55.1	54.1	55.0	48.1	48.7	48.0	48.6
15 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434916.22	559111.18	55.9	56.8	55.7	56.7	49.1	49.7	49.0	49.7
17 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434928.5	559108.87	53.5	54.4	53.5	54.3	45.9	46.5	45.9	46.5



Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
27 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435065.2	559065.12	53.6	54.4	53.3	54.1	47.0	47.5	47.0	47.4
28 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435045.82	559066.17	51.9	52.7	51.8	52.4	43.7	44.2	43.7	44.1
29 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435045.38	559053.4	51.8	52.6	51.8	52.3	43.8	44.3	43.8	44.2
30 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435045.98	559046	52.2	52.9	52.0	52.6	44.4	44.8	44.3	44.7
47 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435069.69	559076.47	54.2	55.2	54.2	55.0	45.9	46.6	45.9	46.5
49 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435042.07	559077.37	52.9	53.9	52.9	53.7	45.4	46.1	45.4	46.0
51 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435029.47	559077.83	52.9	53.8	52.8	53.7	45.4	46.0	45.4	46.0
53 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435024.62	559077.99	52.9	53.9	52.9	53.7	45.4	46.1	45.4	46.0
55 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435018.1	559078.82	53.0	53.9	53.0	53.8	45.7	46.3	45.7	46.2
57 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435012.95	559078.4	52.8	53.7	52.8	53.6	45.5	46.1	45.5	46.0
59 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435005.25	559078.88	52.8	53.7	52.8	53.6	45.6	46.2	45.5	46.2
61 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435000.01	559079.1	52.7	53.6	52.7	53.5	45.4	46.0	45.4	46.0
63 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434992.84	559079.4	52.8	53.7	52.7	53.5	45.5	46.2	45.5	46.1
65 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434984.87	559079.4	53.0	54.0	53.0	53.8	45.6	46.2	45.6	46.2
67 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434979.77	559080.08	53.0	54.0	53.0	53.8	46.0	46.7	46.0	46.6
69 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434973.21	559079.94	52.9	53.9	52.9	53.7	45.9	46.5	45.9	46.5
71 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434968.8	559080.14	53.1	54.0	53.1	53.9	46.2	46.8	46.2	46.8
73 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434873.26	559072	54.3	55.2	54.2	55.1	47.7	48.3	47.7	48.3
75 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434864.46	559070.08	54.3	55.2	54.3	55.1	47.9	48.5	47.9	48.5
77 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434858.82	559068.79	54.4	55.3	54.4	55.2	48.1	48.7	48.1	48.7
79 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434849.15	559062.1	55.2	56.0	55.1	56.0	49.2	49.8	49.1	49.8
81 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434841.05	559052.99	55.6	56.4	55.5	56.3	49.6	50.2	49.6	50.1
83 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434844.39	559046.42	55.0	55.8	54.9	55.7	49.1	49.6	49.0	49.6
84 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435064.7	559104.97	53.3	54.2	53.3	54.0	45.3	45.9	45.3	45.9
85 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434843.49	559034.19	55.3	56.0	55.1	55.8	49.3	49.8	49.2	49.7
86 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435059.1	559105.2	53.9	54.9	53.9	54.7	45.8	46.4	45.8	46.4
87 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434837.94	559032.45	55.2	56.0	55.1	55.8	49.2	49.8	49.2	49.8
88 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435048.95	559105.55	54.3	55.3	54.3	55.1	45.8	46.5	45.8	46.4
89 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434825.71	559032.78	55.9	56.6	55.8	56.5	49.9	50.5	49.9	50.4
90 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435043.92	559105.73	54.4	55.4	54.4	55.2	46.0	46.7	46.0	46.6
91 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434815.41	559037.63	56.2	57.0	56.1	56.9	50.2	50.8	50.2	50.8
92 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435028.14	559106.28	53.6	54.5	53.6	54.4	45.3	46.0	45.3	45.9
93 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434812.36	559044	55.6	56.4	55.5	56.3	49.7	50.2	49.6	50.2
94 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435022.84	559106.44	53.6	54.4	53.5	54.3	45.4	46.0	45.4	46.0
95 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435056.38	559147.94	66.1	67.1	66.1	66.8	53.6	54.5	53.6	54.2
95 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434803.22	559051.54	55.4	56.3	55.4	56.3	49.4	50.1	49.4	50.1
96 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435014.14	559118.15	53.6	54.4	53.5	54.2	45.3	45.9	45.2	45.8
97 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435051.12	559148.73	66.2	67.2	66.2	66.9	53.7	54.6	53.7	54.3
97 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434792.68	559044.77	56.5	57.3	56.5	57.3	50.5	51.1	50.5	51.1
98 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435018.43	559108.69	53.3	54.1	53.1	53.8	44.8	45.3	44.7	45.1
99 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435044.89	559148.3	65.9	66.9	65.9	66.6	53.4	54.3	53.4	54.1
100 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435006.12	559125.02	53.9	54.8	53.9	54.7	45.6	46.3	45.6	46.2
101 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435039.79	559148.5	65.8	66.8	65.8	66.5	53.4	54.2	53.4	54.0
102 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434999.33	559125.23	54.0	54.9	54.0	54.8	45.7	46.4	45.7	46.3
103 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435031.74	559150.12	66.0	67.0	66.1	66.8	53.6	54.4	53.7	54.3
104 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434993.71	559125.5	54.1	55.1	54.0	54.8	46.0	46.7	46.0	46.6
105 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435025.98	559150.26	65.9	66.9	65.9	66.6	53.5	54.4	53.5	54.1
106 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434984.04	559119.08	54.0	55.0	54.0	54.8	46.0	46.7	46.0	46.6
107 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435019.67	559150.42	65.7	66.7	65.8	66.5	53.4	54.2	53.4	54.1
108 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434979.35	559109.89	54.1	55.0	54.1	54.8	46.6	47.3	46.7	47.2
109 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	435010.78	559149.1	65.0	66.0	65.0	65.7	52.8	53.6	52.8	53.4
110 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434974.63	559107.8	53.8	54.8	53.8	54.6	45.8	46.5	45.8	46.4
112 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434969.48	559108.01	54.2	55.1	54.2	55.0	46.1	46.7	46.1	46.7
114 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434951.08	559107.84	54.4	55.4	54.4	55.2	46.2	46.9	46.2	46.8
116 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434945.65	559108.04	54.3	55.3	54.3	55.1	46.2	46.9	46.2	46.9
118 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434935.1	559107.27	53.6	54.6	53.6	54.4	45.6	46.3	45.6	46.2
120 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434853.47	559094.74	53.4	54.3	53.3	54.2	47.1	47.7	47.1	47.7
122 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434846.06	559092.96	53.4	54.3	53.4	54.2	47.0	47.6	47.0	47.6
124 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434829.53	559087.94	56.4	57.2	56.3	57.1	50.3	50.9	50.2	50.8
126 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434827.63	559094.29	56.0	56.8	55.9	56.7	49.9	50.5	49.8	50.4
128 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434824.42	559104.67	56.0	56.9	55.9	56.8	49.7	50.3	49.7	50.3
130 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434822.29	559111.74	55.5	56.3	55.4	56.1	49.3	49.8	49.3	49.8
132 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434813.03	559120.76	55.1	56.1	55.1	56.1	48.4	49.1	48.4	49.1
134 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434805.6	559118.44	55.2	56.1	55.2	56.1	48.7	49.3	48.7	49.3
136 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434795.15	559104.8	57.4	58.2	57.3	58.1	50.9	51.5	50.8	51.4
138 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434797.69	559096.27	56.9	57.8	56.8	57.7	50.5	51.1	50.5	51.1
140 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434799.81	559085.81	56.2	57.1	56.2	57.1	50.0	50.7	50.0	50.7
142 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434801.41	559080.55	55.7	56.6	55.7	56.5	49.6	50.2	49.5	50.1
144 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434793.79	559076.45	54.9	55.8	54.9	55.7	48.7	49.3	48.7	49.3
146 CLOVELLY ROAD CASTLETOWN FULWELL	DWELLING	434787.07	559073.76	54.5	55.4	54.4	55.3	48.3	48.9	48.3	48.9
1 CLOVELLY SQUARE CASTLETOWN FULWELL	DWELLING	435077.9	559107.59	57.3	58.1	57.3	57.9	46.8	47.4	46.9	47.3
2 CLOVELLY SQUARE CASTLETOWN FULWELL	DWELLING	435078.01	559112.56	57.8	58.7	57.8	58.5	47.0	47.7	47.0	47.5
3 CLOVELLY SQUARE CASTLETOWN FULWELL	DWELLING	435078.3	559120.91	59.1	60.1	59.1	59.8	47.9	48.7	47.9	48.5
4 CLOVELLY SQUARE CASTLETOWN FULWELL	DWELLING	435079.27	559127.73	61.9	62.9	61.9	62.6	50.1	50.9	50.1	50.7

Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
5 CLOVELLY SQUARE CASTLETOWN FULWELL	DWELLING	435071.56	559138.95	63.7	64.7	63.8	64.5	51.5	52.4	51.6	52.2
6 CLOVELLY SQUARE CASTLETOWN FULWELL	DWELLING	435067.85	559142.34	64.6	65.6	64.7	65.4	52.3	53.1	52.4	53.0
1 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434748.82	559139.95	63.6	64.6	63.6	64.6	52.9	53.8	52.9	53.8
2 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434690.51	559124.35	62.0	63.1	62.0	63.1	52.0	52.8	52.0	52.8
3 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434745.81	559128.16	61.5	62.5	61.4	62.4	53.3	54.0	53.3	54.0
4 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434686.79	559113.34	60.5	61.4	60.4	61.3	53.7	54.3	53.7	54.3
5 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434754.77	559104.71	59.2	60.1	59.2	60.0	52.3	52.9	52.3	52.9
6 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434691.78	559100.28	59.9	60.7	59.8	60.6	53.4	54.0	53.4	53.9
7 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434757.55	559098.15	59.2	60.0	59.1	60.0	52.4	53.0	52.3	53.0
8 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434695.13	559094.01	59.7	60.5	59.6	60.4	53.3	53.9	53.2	53.8
9 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434761.79	559088.69	58.9	59.8	58.8	59.7	52.3	52.9	52.2	52.9
10 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434701.08	559083.81	59.3	60.2	59.3	60.1	53.0	53.7	53.0	53.6
11 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434764.67	559081.89	58.7	59.6	58.7	59.6	52.2	52.9	52.2	52.8
12 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434704.51	559077.28	59.3	60.1	59.2	60.0	53.0	53.6	53.0	53.5
14 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434709.52	559067.31	58.8	59.7	58.8	59.7	52.6	53.3	52.6	53.3
15 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434768.78	559072.58	58.6	59.4	58.4	59.3	52.1	52.7	52.0	52.6
16 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434712.68	559060.55	58.6	59.5	58.6	59.4	52.4	53.1	52.4	53.1
17 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434771.31	559066.46	58.3	59.1	58.3	59.0	51.9	52.5	51.9	52.4
18 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434717.41	559052.95	57.0	57.9	56.9	57.8	50.9	51.6	50.9	51.6
19 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434785.81	559034.63	57.2	58.0	57.1	58.0	51.0	51.6	51.0	51.6
19 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434685.13	559063.07	59.7	60.6	59.6	60.6	53.2	53.9	53.2	53.9
20 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434708.17	559043.48	58.8	59.6	58.8	59.6	52.6	53.3	52.6	53.3
21 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434788.52	559028.41	57.2	58.0	57.1	57.9	51.0	51.6	50.9	51.5
22 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434706.73	559031.86	58.9	59.7	58.8	59.6	52.7	53.3	52.7	53.3
23 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434792.66	559019.35	57.0	57.9	57.0	57.8	50.9	51.5	50.9	51.4
24 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434709.77	559025.16	58.6	59.4	58.5	59.4	52.4	53.1	52.4	53.1
25 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434795.31	559013.37	56.9	57.8	56.8	57.7	50.8	51.4	50.8	51.3
26 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434720.48	559016.89	58.1	58.9	58.0	58.9	52.0	52.6	52.0	52.6
27 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434808.12	559009.55	56.4	57.2	56.3	57.1	50.5	51.0	50.4	51.0
28 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434733.2	559017.8	56.5	57.4	56.5	57.3	50.6	51.3	50.6	51.2
29 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434812.51	559005.83	56.7	57.4	56.6	57.3	50.7	51.3	50.7	51.3
30 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434747.1	559018.49	56.9	57.7	56.9	57.6	51.0	51.5	50.9	51.5
31 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434817.76	559001.43	56.6	57.4	56.6	57.3	50.7	51.3	50.7	51.3
32 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434753.85	559021.47	56.7	57.4	56.6	57.3	50.7	51.3	50.7	51.3
33 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434822.39	558995.06	56.6	57.4	56.5	57.4	50.6	51.3	50.6	51.3
34 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434760.14	559021.23	57.4	58.2	57.4	58.1	51.3	51.9	51.3	51.8
35 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434824.64	558990.32	56.2	57.1	56.1	56.9	50.3	50.9	50.3	50.8
36 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434762.58	559015.81	57.7	58.6	57.6	58.5	51.6	52.3	51.6	52.2
37 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434821.14	558986.13	55.7	56.6	55.7	56.6	49.9	50.5	49.8	50.5
38 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434767.21	559005.8	57.6	58.5	57.6	58.4	51.6	52.2	51.6	52.2
39 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434813.3	558977.48	56.8	57.7	56.7	57.5	50.8	51.3	50.7	51.3
40 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434769.74	559000.14	57.2	58.1	57.2	58.1	51.2	51.9	51.2	51.9
42 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434764.86	558991.77	57.5	58.4	57.5	58.4	51.5	52.2	51.5	52.1
43 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434826.71	558951.64	56.6	57.4	56.5	57.3	50.6	51.2	50.6	51.1
44 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434764.75	558984.36	57.4	58.3	57.4	58.3	51.4	52.1	51.4	52.0
46 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434764.68	558978.85	57.6	58.4	57.6	58.4	51.6	52.2	51.6	52.1
48 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434767.17	558967.88	57.5	58.3	57.5	58.3	51.5	52.1	51.5	52.0
50 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434769.64	558962.82	57.5	58.4	57.5	58.3	51.5	52.1	51.5	52.1
51 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434852.98	558903.29	55.8	56.6	55.7	56.4	49.8	50.3	49.8	50.3
52 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434780.32	558961.65	56.0	56.8	55.9	56.7	50.1	50.7	50.1	50.7
53 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434855.87	558988.38	55.7	56.6	55.6	56.4	49.7	50.3	49.7	50.3
54 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434793.38	558962.42	54.9	55.6	54.8	55.5	49.1	49.6	49.1	49.6
55 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434859.41	558892.49	55.7	56.6	55.6	56.4	49.7	50.3	49.7	50.3
56 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434792.82	558953.19	56.6	57.4	56.5	57.3	50.7	51.3	50.7	51.2
57 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434862.02	558888.04	55.7	56.5	55.6	56.3	49.7	50.2	49.7	50.2
58 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434795.29	558948.14	56.5	57.3	56.4	57.2	50.6	51.2	50.6	51.2
62 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434818.21	558907.18	55.8	56.5	55.6	56.3	49.9	50.4	49.8	50.3
64 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434820.44	558902.98	56.1	56.8	55.9	56.6	50.1	50.6	50.1	50.6
66 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434823.75	558897.1	56.3	57.1	56.1	56.8	50.3	50.9	50.3	50.8
68 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434825.9	558892.85	56.3	57.1	56.1	57.0	50.3	50.9	50.3	50.9
70 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434829.28	558885.8	56.4	57.2	56.2	57.0	50.4	51.0	50.4	50.9
72 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434831.84	558881	56.4	57.2	56.2	57.0	50.4	51.0	50.4	50.9
74 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434835.62	558874.15	56.4	57.1	56.2	56.9	50.4	50.9	50.3	50.9
76 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434837.93	558869.84	56.3	57.1	56.1	56.9	50.3	50.9	50.3	50.8
78 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434840.97	558864.13	56.2	57.0	56.1	56.8	50.3	50.8	50.3	50.8
80 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434843.33	558859.63	56.0	56.8	55.9	56.7	50.1	50.7	50.1	50.7
82 COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434855.08	558846.43	55.1	55.8	54.9	55.6	49.2	49.7	49.1	49.6
41A COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434823.01	558958.71	56.6	57.4	56.5	57.3	50.6	51.2	50.6	51.1
43A COCKERMOUTH ROAD CASTLETOWN FULWELL	DWELLING	434826.71	558951.64	56.6	57.4	56.5	57.3	50.6	51.2	50.6	51.1
1 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434940.7	558959.12	53.2	54.1	53.1	54.0	47.1	47.7	47.1	47.7
2 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434925.57	558976.91	53.5	54.2	53.2	53.9	47.5	47.9	47.4	47.8
3 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434935.23	558958.16	53.3	54.2	53.3	54.1	47.2	47.8	47.2	47.8
4 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434920.5	558974.78	53.7	54.4	53.5	54.2	47.7	48.2	47.7	48.1
5 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434925.51	558951.9	54.1	55.0	54.0	54.8	48.3	48.9	48.3	48.8

Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
6 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434914.39	558973.32	53.6	54.3	53.3	54.1	47.6	48.1	47.5	48.0
7 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434879.34	558935.32	54.6	55.4	54.6	55.4	48.8	49.4	48.8	49.3
8 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434909.63	558971.76	53.7	54.3	53.4	54.1	47.7	48.1	47.6	48.0
9 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434874.92	558932.24	54.7	55.5	54.7	55.5	48.9	49.5	48.9	49.4
10 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434902.06	558968.91	53.6	54.3	53.4	54.1	47.6	48.1	47.5	48.0
11 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434868.37	558922.04	55.4	56.2	55.3	56.1	49.5	50.1	49.4	50.0
12 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434895.8	558966.58	53.6	54.2	53.3	54.0	47.6	48.0	47.5	47.9
14 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434888.92	558963.26	53.2	54.0	53.0	53.7	47.3	47.8	47.2	47.7
14 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434927.49	558988.15	53.8	54.6	53.7	54.5	47.9	48.5	47.9	48.4
16 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434884.77	558960.9	53.2	53.9	53.0	53.7	47.3	47.8	47.2	47.7
18 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434879.35	558957.01	53.5	54.3	53.4	54.0	47.6	48.1	47.6	48.0
20 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434874.37	558954.8	53.4	54.1	53.2	53.9	47.5	48.0	47.4	47.9
22 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434868.01	558950.77	53.5	54.2	53.3	53.9	47.6	48.0	47.5	47.9
24 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434862.46	558947.36	53.4	54.1	53.2	53.9	47.5	48.0	47.4	47.9
49 CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434850.15	558908.15	55.8	56.7	55.7	56.5	49.8	50.4	49.8	50.4
45A CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434832.47	558940.59	56.8	57.7	56.7	57.5	50.8	51.5	50.8	51.4
47A CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434836.44	558932.73	56.2	57.0	56.1	56.9	50.2	50.7	50.1	50.7
1 CONWAY SQUARE CASTLETOWN FULWELL	DWELLING	434919.92	558942.72	54.6	55.4	54.4	55.2	48.6	49.2	48.6	49.1
2 CONWAY SQUARE CASTLETOWN FULWELL	DWELLING	434921.06	558937.76	54.5	55.3	54.3	55.1	48.6	49.1	48.5	49.0
3 CONWAY SQUARE CASTLETOWN FULWELL	DWELLING	434924.21	558931.63	54.3	55.1	54.1	54.9	48.4	48.9	48.3	48.9
4 CONWAY SQUARE CASTLETOWN FULWELL	DWELLING	434925.69	558927.04	54.2	55.0	54.0	54.8	48.3	48.8	48.3	48.8
5 CONWAY SQUARE CASTLETOWN FULWELL	DWELLING	434928.17	558919.61	54.0	54.9	53.8	54.7	48.1	48.7	48.1	48.7
6 CONWAY SQUARE CASTLETOWN FULWELL	DWELLING	434929.86	558914.42	53.7	54.6	53.6	54.4	47.9	48.5	47.8	48.4
7 CONWAY SQUARE CASTLETOWN FULWELL	DWELLING	434931.48	558902.03	52.8	53.5	52.5	53.2	46.8	47.2	46.7	47.1
8 CONWAY SQUARE CASTLETOWN FULWELL	DWELLING	434926.02	558899.68	52.8	53.5	52.5	53.2	46.8	47.3	46.8	47.2
9 CONWAY SQUARE CASTLETOWN FULWELL	DWELLING	434914.5	558898.83	54.2	54.9	53.9	54.7	48.3	48.8	48.2	48.7
10 CONWAY SQUARE CASTLETOWN FULWELL	DWELLING	434904.25	558902.45	55.3	56.0	55.1	55.9	49.3	49.8	49.3	49.8
11 CONWAY SQUARE CASTLETOWN FULWELL	DWELLING	434901.49	558907.55	55.3	56.1	55.1	55.9	49.3	49.9	49.3	49.9
12 CONWAY SQUARE CASTLETOWN FULWELL	DWELLING	434897.84	558914.24	55.1	55.9	55.0	55.7	49.2	49.7	49.2	49.7
14 CONWAY SQUARE CASTLETOWN FULWELL	DWELLING	434895.48	558918.63	54.9	55.7	54.7	55.6	49.0	49.6	48.9	49.5
15 CONWAY SQUARE CASTLETOWN FULWELL	DWELLING	434893.49	558924.61	54.6	55.4	54.4	55.2	48.7	49.2	48.7	49.2
16 CONWAY SQUARE CASTLETOWN FULWELL	DWELLING	434891.05	558929.01	54.2	55.0	54.0	54.7	48.2	48.8	48.2	48.7
1 CRAIGSHAW ROAD CASTLETOWN FULWELL	DWELLING	434962.88	559072.02	52.7	53.6	52.7	53.5	46.1	46.7	46.1	46.7
3 CRAIGSHAW ROAD CASTLETOWN FULWELL	DWELLING	434957.05	559059.94	54.9	55.7	54.7	55.5	48.4	48.9	48.4	48.9
4 CRAIGSHAW ROAD CASTLETOWN FULWELL	DWELLING	434883.2	559055.84	54.9	55.7	54.7	55.6	48.9	49.5	48.9	49.5
5 CRAIGSHAW ROAD CASTLETOWN FULWELL	DWELLING	434967.18	559052.63	54.2	55.0	54.0	54.8	48.1	48.6	48.0	48.5
6 CRAIGSHAW ROAD CASTLETOWN FULWELL	DWELLING	434886.52	559051.44	54.8	55.6	54.7	55.5	48.9	49.5	48.9	49.4
7 CRAIGSHAW ROAD CASTLETOWN FULWELL	DWELLING	434966.02	559045.7	54.4	55.2	54.2	55.0	48.2	48.7	48.1	48.6
8 CRAIGSHAW ROAD CASTLETOWN FULWELL	DWELLING	434919.02	559007.55	53.9	54.7	53.7	54.5	47.8	48.3	47.8	48.3
9 CRAIGSHAW ROAD CASTLETOWN FULWELL	DWELLING	434976.2	559038.33	54.1	54.9	53.8	54.6	47.9	48.4	47.9	48.4
10 CRAIGSHAW ROAD CASTLETOWN FULWELL	DWELLING	434921.18	559002.88	54.1	54.9	54.0	54.7	48.2	48.7	48.1	48.6
11 CRAIGSHAW ROAD CASTLETOWN FULWELL	DWELLING	434974.97	559031.65	54.3	55.1	54.1	54.9	48.1	48.6	48.0	48.6
12 CRAIGSHAW ROAD CASTLETOWN FULWELL	DWELLING	434925.66	558994.98	54.1	54.9	54.0	54.8	48.2	48.8	48.2	48.8
18 CRAIGSHAW ROAD CASTLETOWN FULWELL	DWELLING	434890.94	559046.4	54.5	55.4	54.5	55.3	48.5	49.1	48.5	49.0
1 CRAIGSHAW SQUARE CASTLETOWN FULWELL	DWELLING	434914.75	559007.61	53.4	54.1	53.1	53.8	47.4	47.8	47.3	47.7
2 CRAIGSHAW SQUARE CASTLETOWN FULWELL	DWELLING	434910.5	559005.54	53.5	54.2	53.3	54.0	47.5	48.0	47.5	47.9
3 CRAIGSHAW SQUARE CASTLETOWN FULWELL	DWELLING	434904.45	559002.3	53.7	54.4	53.5	54.2	47.7	48.1	47.6	48.1
4 CRAIGSHAW SQUARE CASTLETOWN FULWELL	DWELLING	434899.98	559000.15	53.8	54.5	53.6	54.2	47.8	48.2	47.7	48.1
5 CRAIGSHAW SQUARE CASTLETOWN FULWELL	DWELLING	434893.18	558996.26	54.2	54.8	53.9	54.6	48.1	48.5	48.1	48.5
6 CRAIGSHAW SQUARE CASTLETOWN FULWELL	DWELLING	434887.92	558993.64	54.2	55.0	54.0	54.7	48.2	48.7	48.1	48.6
7 CRAIGSHAW SQUARE CASTLETOWN FULWELL	DWELLING	434876.57	558992.67	56.2	56.9	56.0	56.8	50.2	50.7	50.1	50.7
8 CRAIGSHAW SQUARE CASTLETOWN FULWELL	DWELLING	434864.52	558996.07	56.7	57.6	56.6	57.4	50.7	51.3	50.6	51.2
9 CRAIGSHAW SQUARE CASTLETOWN FULWELL	DWELLING	434861.43	559000.99	56.6	57.5	56.5	57.3	50.6	51.2	50.6	51.1
10 CRAIGSHAW SQUARE CASTLETOWN FULWELL	DWELLING	434857.7	559006.86	56.7	57.4	56.5	57.3	50.6	51.1	50.6	51.1
11 CRAIGSHAW SQUARE CASTLETOWN FULWELL	DWELLING	434859.89	559019.3	56.2	57.0	56.2	56.9	50.3	50.9	50.3	50.9
12 CRAIGSHAW SQUARE CASTLETOWN FULWELL	DWELLING	434865.04	559027.94	55.4	56.3	55.3	56.2	49.4	50.1	49.4	50.1
14 CRAIGSHAW SQUARE CASTLETOWN FULWELL	DWELLING	434870.96	559032.29	55.2	56.1	55.2	56.1	49.2	49.9	49.2	49.9
15 CRAIGSHAW SQUARE CASTLETOWN FULWELL	DWELLING	434877.47	559036.58	54.8	55.6	54.8	55.6	48.8	49.4	48.8	49.5
16 CRAIGSHAW SQUARE CASTLETOWN FULWELL	DWELLING	434881.55	559039.53	54.7	55.6	54.7	55.5	48.8	49.3	48.7	49.3
17 CRAIGSHAW SQUARE CASTLETOWN FULWELL	DWELLING	434886.59	559043.23	54.5	55.3	54.5	55.3	48.5	49.1	48.5	49.1
4 CRIEFF SQUARE CASTLETOWN FULWELL	DWELLING	434748.06	558705.55	59.7	60.4	59.6	60.3	53.5	54.0	53.4	54.0
5 CRIEFF SQUARE CASTLETOWN FULWELL	DWELLING	434729.17	558696.71	66.3	67.1	65.9	66.7	59.1	59.6	59.0	59.5
6 CRIEFF SQUARE CASTLETOWN FULWELL	DWELLING	434739.96	558693.69	63.3	64.0	63.1	63.9	56.7	57.2	56.5	57.2
7 CRIEFF SQUARE CASTLETOWN FULWELL	DWELLING	434753.53	558695.32	61.1	61.9	61.0	61.8	54.7	55.3	54.7	55.3
61 CRIEFF SQUARE CASTLETOWN FULWELL	DWELLING	434719.97	558710.62	67.7	68.5	67.5	68.2	60.4	60.9	60.3	60.8
63 CRIEFF SQUARE CASTLETOWN FULWELL	DWELLING	434720.58	558704.52	68.1	68.9	67.9	68.7	60.7	61.2	60.6	61.2
1 CRIMEA ROAD CASTLETOWN FULWELL	DWELLING	434808.32	558919.5	56.6	57.4	56.6	57.3	50.7	51.3	50.7	51.3
2 CRIMEA ROAD CASTLETOWN FULWELL	DWELLING	434796.91	558936.13	55.2	55.9	55.0	55.8	49.3	49.9	49.3	49.8
3 CRIMEA ROAD CASTLETOWN FULWELL	DWELLING	434801.04	558914.18	56.9	57.7	56.8	57.6	51.0	51.5	50.9	51.5
4 CRIMEA ROAD CASTLETOWN FULWELL	DWELLING	434791.77	558932.59	55.3	56.1	55.2	55.9	49.5	50.0	49.4	50.0
5 CRIMEA ROAD CASTLETOWN FULWELL	DWELLING	434796.36	558910.91	57.0	57.8	57.0	57.8	51.0	51.7	51.0	51.7
6 CRIMEA ROAD CASTLETOWN FULWELL	DWELLING	434784.58	558927.39	55.6	56.3	55.5	56.2	49.7	50.3	49.7	50.2
7 CRIMEA ROAD CASTLETOWN FULWELL	DWELLING	434790.22	558906.6	57.3	58.0	57.2	58.0	51.3	51.9	51.3	51.8
8 CRIMEA ROAD CASTLETOWN FULWELL	DWELLING	434779.25	558923.76	55.9	56.7	55.8	56.6	50.0	50.6	50.0	50.6



Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
9 CRIMEA ROAD CASTLETOWN FULWELL	DWELLING	434785.65	558903.47	57.4	58.2	57.3	58.1	51.4	52.0	51.4	52.0
10 CRIMEA ROAD CASTLETOWN FULWELL	DWELLING	434772.12	558918.62	56.4	57.1	56.3	57.0	50.5	51.0	50.4	51.0
11 CRIMEA ROAD CASTLETOWN FULWELL	DWELLING	434778.01	558898.26	57.7	58.5	57.7	58.5	51.7	52.4	51.7	52.4
12 CRIMEA ROAD CASTLETOWN FULWELL	DWELLING	434760.84	558915.85	57.5	58.3	57.4	58.2	51.5	52.1	51.5	52.0
60 CRIMEA ROAD CASTLETOWN FULWELL	DWELLING	434813.51	558924.45	56.5	57.3	56.4	57.3	50.5	51.2	50.5	51.2
3 DODDS COURT CASTLETOWN FULWELL	DWELLING	435001.7	559263.77	56.8	57.7	56.7	57.5	48.2	48.8	48.1	48.7
4 DODDS COURT CASTLETOWN FULWELL	DWELLING	435001.7	559263.77	56.8	57.7	56.7	57.5	48.2	48.8	48.1	48.7
5 DODDS COURT CASTLETOWN FULWELL	DWELLING	435007.61	559262.04	56.5	57.4	56.5	57.2	47.8	48.5	47.8	48.4
6 DODDS COURT CASTLETOWN FULWELL	DWELLING	435007.61	559262.04	56.5	57.4	56.5	57.2	47.8	48.5	47.8	48.4
7 DODDS COURT CASTLETOWN FULWELL	DWELLING	435013.8	559260.2	55.8	56.8	55.8	56.6	47.5	48.2	47.6	48.1
8 DODDS COURT CASTLETOWN FULWELL	DWELLING	435013.8	559260.2	55.8	56.8	55.8	56.6	47.5	48.2	47.6	48.1
9 DODDS COURT CASTLETOWN FULWELL	DWELLING	435032.18	559270.59	54.5	55.4	54.4	55.1	46.0	46.5	46.0	46.4
10 DODDS COURT CASTLETOWN FULWELL	DWELLING	435032.18	559270.59	54.5	55.4	54.4	55.1	46.0	46.5	46.0	46.4
11 DODDS COURT CASTLETOWN FULWELL	DWELLING	435034.2	559277.6	53.8	54.6	53.6	54.3	45.6	46.0	45.5	45.9
12 DODDS COURT CASTLETOWN FULWELL	DWELLING	435034.2	559277.6	53.8	54.6	53.6	54.3	45.6	46.0	45.5	45.9
14 DODDS COURT CASTLETOWN FULWELL	DWELLING	435036.09	559284.09	53.4	54.2	53.3	54.0	45.4	45.8	45.3	45.7
15 DODDS COURT CASTLETOWN FULWELL	DWELLING	435036.09	559284.09	53.4	54.2	53.3	54.0	45.4	45.8	45.3	45.7
16 DODDS COURT CASTLETOWN FULWELL	DWELLING	435037.8	559289.84	53.1	53.8	52.9	53.6	45.2	45.6	45.1	45.5
17 DODDS COURT CASTLETOWN FULWELL	DWELLING	435037.8	559289.84	53.1	53.8	52.9	53.6	45.2	45.6	45.1	45.5
18 DODDS COURT CASTLETOWN FULWELL	DWELLING	435039.81	559296.64	52.7	53.5	52.6	53.2	45.0	45.4	44.9	45.3
19 DODDS COURT CASTLETOWN FULWELL	DWELLING	435039.81	559296.64	52.7	53.5	52.6	53.2	45.0	45.4	44.9	45.3
1 DURHAM HOUSE BAXTER ROAD	DWELLING	434946.59	559872.1	52.7	53.8	52.4	53.6	46.8	47.4	46.7	47.4
2 DURHAM HOUSE BAXTER ROAD	DWELLING	434946.59	559872.1	52.7	53.8	52.4	53.6	46.8	47.4	46.7	47.4
3 DURHAM HOUSE BAXTER ROAD	DWELLING	434946.59	559872.1	52.7	53.8	52.4	53.6	46.8	47.4	46.7	47.4
4 DURHAM HOUSE BAXTER ROAD	DWELLING	434946.59	559872.1	52.7	53.8	52.4	53.6	46.8	47.4	46.7	47.4
5 DURHAM HOUSE BAXTER ROAD	DWELLING	434946.59	559872.1	52.7	53.8	52.4	53.6	46.8	47.4	46.7	47.4
6 DURHAM HOUSE BAXTER ROAD	DWELLING	434946.59	559872.1	52.7	53.8	52.4	53.6	46.8	47.4	46.7	47.4
7 DURHAM HOUSE BAXTER ROAD	DWELLING	434946.59	559872.1	52.7	53.8	52.4	53.6	46.8	47.4	46.7	47.4
8 DURHAM HOUSE BAXTER ROAD	DWELLING	434946.59	559872.1	52.7	53.8	52.4	53.6	46.8	47.4	46.7	47.4
9 DURHAM HOUSE BAXTER ROAD	DWELLING	434946.59	559872.1	52.7	53.8	52.4	53.6	46.8	47.4	46.7	47.4
10 DURHAM HOUSE BAXTER ROAD	DWELLING	434946.59	559872.1	52.7	53.8	52.4	53.6	46.8	47.4	46.7	47.4
11 DURHAM HOUSE BAXTER ROAD	DWELLING	434946.59	559872.1	52.7	53.8	52.4	53.6	46.8	47.4	46.7	47.4
12 DURHAM HOUSE BAXTER ROAD	DWELLING	434946.59	559872.1	52.7	53.8	52.4	53.6	46.8	47.4	46.7	47.4
1 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434657.29	559120.95	64.5	65.7	64.4	65.6	55.0	55.8	55.0	55.8
3 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434653.71	559109.59	65.6	67.0	65.4	66.7	57.3	58.1	57.2	58.0
5 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434654.83	559099.11	65.5	66.9	65.2	66.7	57.3	58.1	57.2	58.0
7 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434655.63	559091.84	65.4	66.8	65.1	66.6	57.2	58.0	57.2	58.0
9 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434656.7	559080.83	65.3	66.7	65.0	66.4	57.2	58.0	57.0	57.8
11 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434657.39	559074.44	65.3	66.7	65.0	66.5	57.2	58.0	57.1	57.9
15 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434668.63	559069.16	61.6	62.7	61.5	62.6	54.7	55.4	54.7	55.4
17 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434681.21	559068.35	59.5	60.4	59.5	60.3	53.1	53.7	53.1	53.7
21 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434685.84	559055.85	59.4	60.4	59.4	60.3	53.0	53.7	52.9	53.6
23 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434683.08	559048.94	58.5	59.6	58.4	59.4	52.0	52.7	52.0	52.6
25 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434671.52	559045.65	61.0	62.2	60.9	62.1	53.9	54.7	53.8	54.6
27 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434661.37	559038.73	65.2	66.6	64.9	66.4	57.3	58.1	57.2	58.0
29 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434662.03	559032.18	65.4	66.8	65.1	66.5	57.5	58.3	57.4	58.2
31 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434663.18	559021.45	65.5	66.8	65.3	66.7	57.7	58.4	57.6	58.4
33 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434663.93	559014.24	65.5	66.8	65.3	66.7	57.7	58.4	57.6	58.4
35 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434680.67	558895.97	65.9	66.9	65.8	66.9	58.7	59.4	58.7	59.4
37 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434676.91	558885.97	68.5	69.5	68.3	69.4	60.7	61.4	60.7	61.3
39 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434675.68	558901.61	67.8	69.0	67.7	68.9	60.2	60.9	60.1	60.8
39 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434679.38	558881.22	68.2	69.2	68.0	69.1	60.6	61.2	60.5	61.2
41 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434683.23	558876.7	67.5	68.5	67.4	68.4	60.1	60.7	60.0	60.7
45 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434690.05	558815.19	68.8	69.7	68.6	69.6	61.1	61.8	61.1	61.7
47 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434691.05	558809.54	68.8	69.8	68.6	69.6	61.2	61.8	61.2	61.8
49 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434693.33	558803.92	68.7	69.6	68.5	69.4	61.1	61.7	61.1	61.7
51 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434694.71	558799.16	68.6	69.5	68.5	69.4	61.1	61.6	61.0	61.7
53 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434696.83	558791.84	68.5	69.4	68.3	69.2	61.0	61.6	61.0	61.6
55 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434698.27	558786.66	68.4	69.2	68.2	69.1	60.9	61.5	60.9	61.5
57 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434714.28	558727.41	68.2	69.0	68.0	68.8	60.8	61.3	60.7	61.3
59 FERRYBOAT LANE CASTLETOWN FULWELL	DWELLING	434714.98	558720.98	68.2	69.1	68.0	68.9	60.8	61.4	60.7	61.3
DOWNHILL HOUSE DOWNHILL LANE	DWELLING	434732.52	560377.89	59.5	60.6	59.3	60.5	50.1	50.9	50.0	50.9
SCHOOL HOUSE BORODIN AVENUE TOWN END FARM FULWELL	DWELLING	434783.56	559623.37	52.0	52.9	52.0	52.9	46.2	46.8	46.2	46.8
MAKE ME RICH FARM	DWELLING	433923.71	560075.78	64.5	-	64.6	-	57.7	-	57.8	-
MAKE ME RICH GARDENS	DWELLING	433889.34	560074.63	59.7	-	59.8	-	53.5	-	53.6	-
FELLSTEAD SCHOOL CONWAY ROAD CASTLETOWN FULWELL	DWELLING	434961.4	558961.03	53.0	53.9	53.0	53.8	46.9	47.5	46.8	47.4
1 USWORTH COTTAGES WASHINGTON ROAD WASHINGTON NORTH SUNDERLAND DISTRICT (B)	DWELLING	433977.36	559009.42	54.8	-	54.7	-	48.3	-	48.2	-
2 USWORTH COTTAGES WASHINGTON ROAD WASHINGTON NORTH SUNDERLAND DISTRICT (B)	DWELLING	433974.77	559014.74	54.9	-	54.8	-	48.3	-	48.2	-
3 USWORTH COTTAGES WASHINGTON ROAD WASHINGTON NORTH SUNDERLAND DISTRICT (B)	DWELLING	433973.19	559018.35	54.9	-	54.9	-	48.3	-	48.3	-
4 USWORTH COTTAGES WASHINGTON ROAD WASHINGTON NORTH SUNDERLAND DISTRICT (B)	DWELLING	433970.48	559024.29	54.3	-	54.1	-	47.9	-	47.7	-
5 USWORTH COTTAGES WASHINGTON ROAD WASHINGTON NORTH SUNDERLAND DISTRICT (B)	DWELLING	433965.6	559036.05	56.4	-	56.7	-	48.5	-	48.5	-
WOODLAND VIEW LODGE UNNAMED ROAD FELLGATE AND HEDWORTH SOUTH TYNESIDE DISTRICT (B)	DWELLING	433904.22	560064.03	60.7	-	60.7	-	54.3	-	54.3	-
1 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434910.68	559160.15	64.5	65.6	64.5	65.5	52.6	53.5	52.6	53.4
3 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434906.25	559140.67	58.4	59.4	58.3	59.3	49.8	50.5	49.8	50.5



Receptor Name	Type	X Coordinates	Y Coordinates	Daytime Noise Level				Night-time Noise Level			
				LA10, 18 hour				LAeq, 8 hour			
				DM2021	DM2036	DS2021	DS2036	DM2021	DM2036	DS2021	DS2036
5 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434906.09	559135.64	57.8	58.8	57.7	58.7	49.6	50.3	49.6	50.2
111 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	435004.63	559149.39	65.0	66.0	65.0	65.7	52.8	53.6	52.8	53.4
113 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434997.98	559149.7	64.8	65.8	64.8	65.5	52.6	53.5	52.6	53.2
115 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434989.93	559150.08	64.5	65.5	64.5	65.3	52.3	53.2	52.3	53.0
117 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434983.89	559150.36	64.4	65.4	64.4	65.1	52.2	53.1	52.2	52.9
119 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434977.48	559150.66	64.2	65.2	64.2	64.9	52.1	53.0	52.1	52.8
121 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434959.52	559158.51	65.9	66.9	65.9	66.7	53.5	54.4	53.5	54.2
123 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434952.66	559157.47	65.0	66.1	65.0	65.9	52.8	53.7	52.8	53.6
125 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434943.36	559157.65	64.7	65.7	64.7	65.6	52.6	53.4	52.6	53.3
127 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434937.97	559157.88	64.5	65.6	64.5	65.4	52.4	53.3	52.4	53.2
129 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434931.6	559158.41	64.4	65.5	64.4	65.4	52.4	53.3	52.4	53.2
131 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434926.7	559158.43	64.2	65.3	64.2	65.2	52.2	53.2	52.2	53.1
133 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434917.38	559158.7	64.0	65.1	64.0	65.0	52.0	53.0	52.0	52.9
135 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434833.92	559158.96	66.0	67.1	66.0	67.1	53.9	54.8	53.9	54.8
137 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434827.21	559157.85	65.8	67.0	65.8	66.9	53.8	54.8	53.8	54.7
139 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434816.87	559156.09	65.7	66.8	65.6	66.8	53.8	54.7	53.7	54.7
141 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434810.33	559154.93	65.5	66.7	65.5	66.6	53.7	54.6	53.7	54.6
143 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434800.35	559153.16	65.4	66.5	65.4	66.5	53.6	54.5	53.6	54.5
145 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434793.64	559152.08	65.3	66.5	65.3	66.5	53.6	54.5	53.6	54.5
147 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434783.22	559150.34	65.4	66.4	65.3	66.4	53.7	54.5	53.6	54.5
149 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434777.26	559149.37	65.3	66.4	65.3	66.4	53.7	54.5	53.7	54.5
151 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434766.57	559147.32	65.1	66.3	65.1	66.2	53.6	54.5	53.6	54.4
153 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434760.52	559146.35	65.2	66.3	65.2	66.3	53.8	54.7	53.7	54.7
155 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434677	559129.82	65.1	66.3	65.1	66.3	54.6	55.4	54.5	55.4
157 WASHINGTON ROAD CASTLETOWN FULWELL	DWELLING	434669.81	559129.07	65.5	66.6	65.4	66.6	55.0	55.8	55.0	55.8
BEXHILL PRIMARY SCHOOL BINGLEY STREET CASTLETOWN FULWELL	OTHER	434835.34	559374.79	52.4	53.2	52.2	53.1	46.4	47.0	46.4	46.9
CARAVAN RESIDENTS ASSOCIATION47 BERWICK AVENUE TOWN END FARM	OTHER	435038.31	559509.13	49.1	49.8	49.1	49.7	41.7	42.2	41.7	42.2
CASTLEGREEN COMMUNITY SCHOOL CAITHNESS ROAD CASTLETOWN FULWELL	OTHER	434960.28	558912.39	52.1	52.9	51.8	52.6	46.2	46.7	46.2	46.6
DEPARTMENT OF SOCIAL SERVICES2 BLACKWOOD ROAD CASTLETOWN	OTHER	435008.78	559216.63	61.8	62.8	61.8	62.6	50.5	51.3	50.5	51.2
FARMBOROUGH COURT INTERMEDIATE CARE CENTRE BOOTLE STREET CASTLETOWN FULWELL	OTHER	435104.18	559310.81	52.3	53.1	52.2	52.9	45.7	46.2	45.7	46.1
FELLSTEAD SCHOOL CHELMSFORD ROAD CASTLETOWN FULWELL	OTHER	435006.4	559054.72	48.7	49.7	48.7	49.6	42.1	42.8	42.2	42.8
GATESHEAD COLLEGE WASHINGTON ROAD WASHINGTON NORTH SUNDERLAND DISTRICT (B)	OTHER	434094.47	558834.15	53.1	54.0	52.9	53.7	47.2	47.7	47.2	47.6
NORTH EAST AIRCRAFT MUSEUM 106M FROM GATESHEAD COLLEGE WASHINGTON ROAD. 51M FROM WASHINGTON ROAD WASHINGTON ROAD WASHINGTON NORTH	OTHER	434140.6	558991.31	54.7	55.9	54.6	55.7	48.6	49.3	48.6	49.2
NORTH EAST AIRCRAFT MUSEUM WASHINGTON ROAD WASHINGTON NORTH SUNDERLAND DISTRICT (B)	OTHER	434000.86	558879.91	51.5	52.4	51.3	52.2	45.7	46.2	45.7	46.1
PLAYGROUND 14M FROM 41 BORODIN AVENUE. 5M FROM BORODIN AVENUE BORODIN AVENUE TOWN END FARM FULWELL	OTHER	434769.1	559431.7	50.1	51.0	50.1	50.9	44.2	44.8	44.2	44.8
PLAYING FIELD 5M FROM 5 USWORTH COTTAGES WASHINGTON ROAD. ON WASHINGTON ROAD WASHINGTON ROAD WASHINGTON ROAD WASHINGTON NORTH SUNDERLAND DISTRICT (B)	OTHER	434173.74	559322.64	55.0	-	54.9	-	48.8	-	48.6	-
RIVER DON LWS	OTHER	434094.79	560102.57	63.2	64.1	63.3	64.2	56.7	57.4	56.8	57.5
SUNDERLAND NORTH COMMUNITY BUSINESS CENTREWINCHESTER HOUSE BAXTER ROAD TOWN END FARM	OTHER	434883.37	559873.74	51.9	52.8	51.7	52.6	46.1	46.7	46.1	46.6
TANDOORI41 BLACKWOOD ROAD TOWN END FARM	OTHER	435039.27	559491.7	49.2	49.9	49.2	49.9	41.9	42.4	41.9	42.4
THREE HORSESHOES WASHINGTON ROAD WASHINGTON NORTH SUNDERLAND DISTRICT (B)	OTHER	434000.86	558879.91	51.5	52.4	51.3	52.2	45.7	46.2	45.7	46.1
TOWN END FARM WORKING MENS CLUB BELGRADE SQUARE TOWN END FARM FULWELL	OTHER	434874.08	559449.68	49.9	50.8	49.9	50.8	43.9	44.5	43.9	44.6
TOWNEND PRIMARY SCHOOL BORODIN AVENUE	OTHER	434714.35	559621.65	52.3	53.3	52.3	53.4	46.5	47.1	46.5	47.1
TOWNEND PRIMARY SCHOOL PLAYING FIELD (FREE FIELD)	OTHER	434679.88	559568.96	51.4	52.3	51.4	52.3	45.7	46.3	45.7	46.4
BEXHILL PRIMARY SCHOOL PLAYING FIELD (FREE FIELD)	OTHER	434788.51	559394.29	50.0	50.9	50.0	50.8	44.0	44.6	44.0	44.6
UNIT 4 IAMP ONE	OTHER	433579.84	559159.6	56.0	60.2	55.8	60.1	46.1	49.1	46.0	49.0
UNIT 5 IAMP ONE	OTHER	433739.67	559330.07	55.7	59.8	55.6	59.8	47.7	49.8	47.5	49.7
UNIT 6 IAMP ONE	OTHER	433794.12	559421.66	56.7	61.7	56.6	61.6	48.1	50.9	48.0	50.8
UNIT 7 IAMP ONE	OTHER	433644.35	559434.79	55.7	58.8	55.5	58.6	47.6	49.2	47.4	49.0
UNIT 8 IAMP ONE	OTHER	433569.73	559347.74	54.9	58.0	54.7	57.8	47.0	48.6	46.8	48.4
UNIT 9 IAMP ONE	OTHER	433511.44	559267.95	54.5	57.8	54.3	57.7	46.3	48.1	46.2	47.9
FELLSTEAD SCHOOL PLAYGROUND (FREE FIELD)	OTHER	435048.7	559026.19	48.6	49.4	48.4	49.2	42.4	42.9	42.3	42.8
PLAYING FIELD OPPOSITE CASTLEGREEN COMMUNITY SCHOOL (FREE FIELD)	OTHER	434883.8	558819.69	52.3	53.0	52.1	52.8	46.6	47.1	46.6	47.1