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APPENDIX 7

Noise & Vibration

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APPENDIX 7.1

Baseline Noise Measurements

Baseline Noise Measurements

Baseline noise monitoring was undertaken at 17 locations, locations N2 - N8 and N10 – N19, to establish the existing background noise levels at these locations. These locations represent the nearest residential locations to the north, south, east and west of the proposed wind farm.

Selection of Monitoring Locations

Section 2.2.5 of the Institute of Acoustics', *A Good Practice Guide to the Application of ETUS-R-97 for the Assessment at Rating of Wind Turbine Noise* (2013) regarding use of proxy locations states "*When choosing a location that will serve as a proxy for others, the basis for selection is that it can reasonably be claimed, from inspection and observation, to be representative of the non-surveyed locations, in line with the criteria of Section 2.5. Measurement locations outside a property's curtilage (such as an adjacent field) may be used when access to a representative property cannot be obtained, provided that such a location can be justified as being representative. No general guidance can therefore be given on the number of measurement locations as this will be site-specific*." Section 2.5 of the GPG is summarised in Table 7.1.1 with the applicability of the proxy locations selected for Ballinagree Wind Farm.

Table 7.1.1: IOA GPG Section 2.5 Criteria and Applicability to Ballinagree Wind Farm Monitoring Locations

Requirements of Section 2.5	Ballinagree Wind Farm Monitoring Locations
2.5.1 *Where possible, measurements should be made in the vicinity of a dwelling in an area frequently used for rest and recreation.*	This was adhered to where possible. In some instances, access to the dwellings of interest were denied. In those instances, proxy locations were identified.
2.5.2 *Equipment should be placed at outdoor positions where noise levels are representative of typical 'low' levels likely to be experienced in the vicinity of a dwelling (or group of dwellings if the measurements are intended to be applied to more than one dwelling). The overriding consideration is that it can reasonably be claimed, from inspection and observation, that there are no other suitable noise-sensitive locations, in the vicinity of any selected location and close to a dwelling, where background noise levels would be expected to be consistently lower than the levels at the selected position.*	This was adhered to where possible. In some instances, access to the dwellings of interest was denied e.g. location N1 and N9. Equipment was installed at location N13, however, equipment was tampered with and a request to repeat the noise survey at this location was denied. It was not possible to get access to dwelling adjacent to location N16. A proxy location was used but following a review of the data the location was omitted from further analysis due to high levels on noise observed from a nearby water course.
2.5.3 *Ideally the position should be one which would be exposed to noise from the wind turbines whilst being best-screened from other noise sources such as nearby roads or vegetation.*	The locations were in open areas or within the curtilage of a property, set back from local roads and vegetation/ forestry.

Requirements of Section 2.5	Ballinagree Wind Farm Monitoring Locations
2.5.4 *The background surveys provide the basis for setting both daytime and night-time noise limits: the measurement position must therefore reasonably represent external areas (for daytime noise) and also building façades containing windows (for night-time noise).*	The locations being used to derive limits are representative of external areas and façade locations.
2.5.5 *In most locations, background noise levels will be determined by wind in trees and vegetation and noise sources external to the property such as traffic noise. The presence of local noise sources such as boiler flues, garden fountains, domestic drains, watercourses and farm equipment should be identified.*	There were some local noise sources described below. At location N16, local noise sources were very high, and this monitoring location has not been considered as it is not representative of the wider noise environment in the vicinity of the site.
2.5.6 *Where it is not possible to exclude the influence of variable local noise sources by selection of monitoring position, it is generally possible to identify such data from inspection of noise level time histories and therefore to exclude it from the data set used to derive noise limits*	Attendance at the monitoring location during installation, battery changes and equipment collection did not identify any variable noise sources. Atypical data was removed from data analysis.
2.5.7 *In all cases, microphones should be supported at a height of 1.2 – 1.5 metres above the ground and no closer than 3.5 metres to any significant reflecting surface (such as a building or fence), except the ground. The position should be within 20 metres of the dwelling unless there are particular reasons for measuring at a more distant position (such as the presence of vegetation or denial of access); if so, the reasons should be explained.*	The microphones were mounted on tripods at approximate height of 1.5 m and at least 3.5 m from any significant reflecting surface other than the ground. Where possible the noise monitors were located within 20 m. When the noise monitors were located at more distant locations this was due to either the refusal of access or presence of vegetation.
2.5.8 *A resident at a selected property may request that measurements are made at a position which is considered inappropriate; perhaps because the preferred location(s) are inconvenient (it might obstruct lawn mowing, for example). In this situation the consultant should explain clearly the reasons why the measurements could be compromised; if no agreement can be reached, an alternative property or location should be sought. The assistance of the EHO may help to resolve these situations.*	This was not an issue.

Monitoring Locations

Eighteen noise monitoring locations were selected for obtaining a detailed representation of the background noise levels in the area. The chosen noise monitoring locations were representative of the different noise environments in the vicinity of the proposed Ballinagree Wind Farm development as well as being located at some of the closest dwellings (or their representative proxies) to the proposed wind farm development.

Details of the noise monitoring locations are provided in Table 7.1.2 overleaf. The position of the monitoring locations are shown in Figure 7.2.

Table 7.1.2: Details on the Noise Monitoring Locations

Location ID	Easting	Northing	Description	Photograph
N2	537874	583205	Located in a field adjacent to the dwelling and approximately 30 m from adjacent dwelling façade. The location was chosen so it was away from trees along the boundary of the property.	Plate 7.1-1
N3	537963	582999	Located in front garden of dwelling in direction of proposed wind farm, approximately 5 m from dwelling façade.	Plate 7.1-2
N4	537598	582500	Located in the rear garden of the dwelling facing the proposed wind farm.	Plate 7.1-3
N5	537142	581929	Located in field adjacent to residential dwelling, immediately at the boundary of the curtilage.	Plate 7.1-4
N6	536628	581611	Located in field approximately same distance from road and row of trees from adjacent dwelling (proxy location), next to a farm.	Plate 7.1-5
N7	536248	581009	Located in the rear garden of the dwelling in the direction of the wind farm.	Plate 7.1-6
N8	534953	582310	In rear garden of dwelling along rear fence, overlooking a field to rear of dwelling, approximately 9 m from rear façade.	Plate 7.1-7
N10	532526	583491	In garden south of dwelling, away from road, approximately 5 m from the dwelling façade. Forested area across road.	Plate 7.1-8
N11	531924	586386	Located in garden of dwelling on raised ground, east of the dwelling. Approximately 10 m from the dwelling façade.	Plate 7.1-9
N12	532125	587243	Located next to drive overlooking rear garden of the dwelling.	Plate 7.1-10
N13	532946	586946	In yard outside the dwelling, adjacent to a forested area (glamping site).	Plate 7.1-11

Location ID	Easting	Northing	Description	Photograph
			Approximately 15 m from the dwelling.	
N14	533759	587844	Proxy location in field opposite dwelling approximately 100 m from the dwelling. The noise monitor is located equidistant from row of trees similar to the aspect for the dwelling.	Plate 7.1-12
N15	535534	588742	Located in the yard of a farmhouse approximately 15 m from the dwelling.	Plate 7.1-13
N16	541499	587708	Proxy location, in field next to dwelling. Approximately 160 m from dwelling.	Plate 7.1-14
N17	535891	585368	Located next to drive opposite front façade of house overlooking adjacent road.	Plate 7.1-15
N18	537054	584578	Located in a disused farmyard to the rear of the derelict dwelling.	Plate 7.1-16
N19	537762	584406	Located in field adjacent to dwelling to the rear of building in the yard of a disused farm.	Plate 7.1-17

Location N2 This location is a proxy location for the adjacent dwelling. The noise meter was placed in an adjacent field and some distance from the boundary of the dwelling which has trees.

Plate A7.1: Monitoring Location N2

Location N3 This was located in the front garden of the dwelling in the direction of the wind farm. There is a propane boiler in the front garden. The area was generally quiet, and the noise audible during the measurement was from wind in trees.

Plate A7.2: Monitoring Location N3

Location N4 This location was in the rear garden of the dwelling, within approximately 10 m of the rear façade of the dwelling. This property had an automatic lawn mower.

Plate A7.3: Monitoring Location N4

Location N5 This location was a proxy location for the adjacent dwelling. The noise meter was located in the field immediately adjacent to the dwelling. The noise monitor was within 10 m of the dwelling. The area was very quiet with noise on the adjacent road from very occasional traffic. When the meter was being installed noise was observed from a farm vehicle engine in a nearby field.

Plate A7.4: Monitoring Location N5

Location N6 This location was a proxy location for the adjacent dwelling, located approximately 40m east of the dwelling opposite the adjacent road. The noise meter was located so that it was approximately the same distance from adjacent trees by the road as the property. The area was observed to be very quiet. Noise sources observed included cows, noise from wind in trees and birdsong. This location is next to a working farm.

Plate A7.5: Monitoring Location N6

Location N7 This location was in the rear garden of the dwelling, approximately 12m from the rear façade and near to the rear boundary of the dwelling. This is a dwelling in a cul-de-sac in the town of Ballinagree. This dwelling had an automatic lawn mower. There is a one meter high and one meter wide stone wall at the rear boundary of the dwelling.

Plate A7.6: Monitoring Location N7

Location N8 This location was in the rear garden of the dwelling, approximately 9 m from the rear façade of the dwelling and next to the fence at the rear boundary of the dwelling. At the car parking space west of the dwelling, trickling from noise from a drain was observed approximately 40m west of the measurement location. Noise from wind in trees was audible at the dwelling. The location was chosen to be at the eastern part of the rear garden, away from trees. The location is next to farmland so noise from farm machinery and livestock is possible.

Plate A7.7: Monitoring Location N8A

Location N10 This location was in the yard south of the property. There is a forested area in the direction of the wind farm to the east. There is a hill to the west. During the meter installation, the area was observed to be quiet with very distant road traffic noise (in direction of R582) to south west. There was also wind induced noise from nearby trees. The nearby wind turbines were not visible as they were blocked by the hill to south. There were 4 No. turbines visible at south of location along valley at Cahernafulla on a hill.

Plate A7.8: Monitoring Location N10

Location N11 This location was in the garden to the rear of the dwelling on raised ground (hardstanding area immediately behind house with wall. There is a row of trees south of the site and north of the dwelling. There are forested areas east of the measurement location.

Plate A7.9: Monitoring Location N11

Location N12 At this location the noise monitor was placed at the edge of the drive by the house overlooking the rear garden, in the direction of the proposed wind farm. This dwelling is located close to Mushera Cross. This location is on a rural road, the L1123, but has the potential to be busy during the morning and evening rush hour as the area is a commuter location for cork. Noise observed included road traffic noise. There was noise from a horse in the next field.

Plate A7.10: Monitoring Location N12

Location N13 This is a dwelling and "glamping"/holiday rental location. This dwelling is located on the road approximately 800 m east of Mushera Cross. The dwelling is encircled south of the road by a forested area. The noise monitoring location was in the garden southeast of the dwelling on a raised section of ground. There are some small shrubs in the area. There is a solar panel and water pump in a building in the eastern section of the garden and this area was avoided.

Plate A7.11: Monitoring Location N13

Location N14 The noise monitoring location was in a proxy location for the nearby residential dwelling. The dwelling was located in the Coillte field opposite the entrance to the dwelling. The noise monitoring location was approximately 100 m from the dwelling. The location was approximately equidistant from the row of trees that line the driveway to the dwelling. There was grass next to the noise monitor and some small trees some distance southwest of the noise monitor. The area was generally quiet, with noise from wind in trees noted. Approximately 90 m north of the site is a field with a horse. At the gate (approximately 90 m from meter), a low frequency noise from the gate post was observed.

Plate A7.12: Monitoring Location N14

Location N15 The noise monitoring location was in the yard near farm buildings north of the proposed development, near Kilcorney. There were trailers parked at the edge of the dwelling and a barn south of the dwelling. There are cows in adjacent fields. Noise from crows and sheep were observed during measurement and noise from dogs barking in the yard.

Plate A7.13: Monitoring Location N15

Location N16 The noise monitoring location was a proxy location for the adjacent dwelling. The location was on adjacent Coillte land next to the residential dwelling at a distance of about 160 m from the dwelling. The area was observed to be very quiet, with some noise from sheep in the adjacent field. There was also wind induced noise from nearby trees. There is a wind farm not far from this location, but the turbines were not visible from the measurement location.

Plate A7.14: Monitoring Location N16

Location N17 This location was next to the boundary of the site, in line with the front façade of the house and next to the drive overlooking the proposed wind farm. This property is set back some distance from the road. Again, the road is in a rural location, but can be busy during early morning and evening due to commuter traffic to Cork. There is a field of sheep in the next field and noise from sheep was observed upon setting up the equipment. During the meter installation a loader was generating noise at a location to the north of the measurement location.

Plate A7.15: Monitoring Location N17

Location N18 This location was within a disused farmyard. This was also the location for the rain gauge. The noise meter was placed on a concrete surface in the farmyard. Again, this location is adjacent to a rural road which can be busy during in the morning and evening as it is a commuter location for Cork.

Plate A7.16: Monitoring Location N18

Location N19 This is a proxy location for the adjacent dwelling. The noise monitor was located approximately 8 m from the façade of the adjacent dwelling and set back the same distance from the road. It was located in a field with sheep. When the meter was installed the area was generally very quiet, with noise from occasional cars on the adjacent road and from sheep.

Plate A7.17: Monitoring Location N19

Measurement Periods

The IOA GPG states "*The duration of a background noise survey is determined only by the need to acquire sufficient valid data over the range of wind speeds. It is unlikely that this requirement can be met in less than 2 weeks.*" If insufficient wind data is collected after two weeks, the monitoring period will be extended subject to acquiring sufficient valid data over the range of wind speeds. Sufficient data was captured at all monitoring locations with a minimum of two and a half weeks' worth of data captured at all monitoring locations.

Definition of Time Periods

The following periods were analysed for this report:

Amenity/Quiet Daytime hours	18:00 – 23:00 Monday to Friday 13:00 – 18:00 Saturday 07:00 – 18:00 Sunday
Night-time hours	23:00 – 07:00

Monitoring Equipment

Baseline noise monitoring was carried out using Svantek Svan 977 and Svan 977A Class 1 sound level meters. Details of the noise monitoring equipment are presented in Table 7.1.3. The sound level meters were fitted with 1/2" microphones. The microphones connected to the Svantek sound level meters were fitted with a UA-0237 type wind shield made from open-pored polyurethane foam with a diameter of 90mm. These were surrounded by a secondary windshield. Some of the microphones were fitted with a single oversized wind shield. The setup used is in keeping with ESTU W/13/00386/REP, Noise Measurements in Windy Conditions and IOA Good Practice Guidelines, 2013. Calibration certificates for each sound level meter are provided in Appendix 7.2.

Table 7.1.3: Details of Noise Monitoring Equipment

Monitoring Location	Meter Type	Serial Number
N2	Svan 977	36163
N3	Svan 977	34876

Monitoring Location	Meter Type	Serial Number
N4	Svan 977	34875
N5	Svan 977	34173
N6	Svan 977	34875
N7	Svan 959	14775
N8	Svan 977	34876
N10	Svan 977	34173
N11	Svan 977	34876
N12	Svan 977A	45466
N13	Svan 959	14775
N14	Svan 977A	34173
N15	Svan 977	34875
N16	Svan 977A	69558
N17	Larson Davis Lxt	5896
N18	Svan 977	34876
N19	Svan 977	45466

A CR200 Series data logger was used to record rainfall (ARG 100) and this was located at N3, N14, N18 and N19. This meteorological data was acquired every 10 minutes simultaneously with noise data.

Monitoring Protocol

Baseline noise measurements were undertaken at 17 locations surrounding the proposed wind farm. Equipment was installed in four lots:

1) from 19th May 2020 to 8th June 2020
2) 17th June 2020 to 6th July 2020
3) 4th August 2020 to 25th August 2020
4) 4th September 2020 to 29th September 2020.

These measurements included all 17 monitoring locations N2, N3 N4, N5, N6, N7, N8, N10, N11, N12, N13, N14, N15, N16, N17, N18 and N19.

The following monitoring protocol was carried out at each of the monitoring locations:

1. The sound level meters were calibrated on-site and set to log L_{A90} statistics on a fast time weighted response every ten minutes.
2. Each sound level meter microphone was mounted at 1.5 m above ground level and fitted with an enhanced windshield. Each microphone was placed at least 3.5 m from reflecting surfaces to obtain 'free field' conditions.

3. Wind speed and wind direction measurements were taken from permanent mast installed on site. Wind speed was measured at a range of heights and data from anemometers at 65 m and 80 m were used to extrapolate the wind speed data up to a hub height of 110 m.

   The standardised 10 m wind speed was obtained from the turbine hub height wind speed by correcting it to 10 m height using a ground roughness factor of 0.05 m. Roughness length (or logarithmic) shear profile:

$$U_1 = U_2 \frac{ln\left({}^{H_1}/_{z}\right)}{ln\left({}^{H_2}/_{z}\right)}$$

   where U_1 is the wind speed to be calculated, U_2 is the measured wind speed, H_1 is the height of the measured wind speed to be calculated (10m), H_2 is the height of the measured wind speed and z is the ground roughness length (m). A roughness length of 0.05m is used to standardise hub height wind speeds to 10m height in the IEC 61400-11:2012 standard.

4. The L_{A90} statistic measurements were synchronised with the 10 m standardised wind speeds derived from the on-site meteorological mast data.
5. A logging rain gauge was also installed (at Monitoring Location N8) and similarly logged rainfall events over successive 10-minute intervals, also synchronised to the noise level and wind speed measurements.
6. After the monitoring was completed, the noise meters were re-tested using the calibration noise source to ensure that the meters had not drifted.

Analysis of the Baseline Data

Following collection of the site data, the following protocol was used to analyse the baseline data:

1. The raw baseline L_{A90} noise data was reviewed to determine whether there are any periods of non-consistent noise level due to equipment malfunction.
2. The raw noise level data was then correlated with the time synchronised wind speed and rainfall data. Preliminary data analysis was used to remove datasets (L_{A90}, wind speed and occurrence of rainfall event) which contain a rainfall event as these data sets are required to be removed from further analysis in line with best practice as outlined in the IOA Good Practice Guide and Supplementary Guidance Note 2 on Data Processing.
3. The prevailing background noise during for daytime periods uses the amenity/quiet daytime hours. The prevailing background noise during night-time periods excludes early morning periods to remove the dawn chorus which is not prevalent through that whole year, with data recorded between 04:00 and 07:00 was removed from further analysis.
4. Once the rainfall events have been accounted for, the remaining data was graphed using a wind speed based plot to establish whether there are any remaining data outliers, representing atypical noise sources or events.
5. Once the remaining data sets were found to be representative of the noise environment, they were analysed to ensure that sufficient data remained to provide sufficient data coverage over the necessary wind speeds. The prevailing background noise trend was not extended beyond the range covered by adequate data sets. See Section 'Data Available for Determination of Prevailing Background Noise Levels' for details.

6. The proposed wind farm is adjacent to several other wind farms. Analysis was undertaken to remove the contribution of adjacent wind farms where applicable. This involved undertaking directional noise predictions and correcting the background noise data. Where the difference between background noise levels and predicted noise levels was less than 3 dB, these data points were omitted from the analysis. The resulting corrected noise levels resulted in a higher prevailing background noise level due to the omission of these data points. Therefore, the uncorrected data set was used as is resulted in lower background noise levels which were used in the derivation of the noise limits.
7. A 'best fit' trend (not higher than a fourth order polynomial) was then derived to present the assumed prevailing background noise level at each monitoring location. See Section 'Results' for details.

Data Available for Determination of Prevailing Background Noise Levels

The requirement for the survey duration is dictated by the range of wind speeds to be collected. The IOA Good Practice Guide to the Application of ETSU-R-97[1] for the Assessment and Rating of Wind Turbine Noise, (May 2013) states that "*As a guideline, no fewer than 200 data points should be recorded in each of the amenity hours and night-time periods with no fewer than 5 data points in any 1 m/s wind speed bin.*"

The Wind Energy Development Guidelines (Department of Environment, Heritage and Local Government, 2006) do not provide the specific periods which are represented by daytime and night-time hours, therefore the definitions from ETSU-R-97 are taken as 07:00 to 23:00 hrs for daytime and 23:00 to 07:00 hrs for night-time.

Prevailing background noise levels were derived for daytime periods. The number of datasets at each integer wind speed are shown in Tables 7.1.4.

[1] Department of Trade and Industry (1996), The Assessment and Rating of Noise from Wind Farms Report ETSU-R-97

Table 7.1.4: Number of Valid Datasets: Noise Monitoring Locations N1 – N10 – Daytime

Wind Speed (at standardised 10 m height), m/s	Valid Datasets														
	N2	N3	N4	N5	N6	N7	N8	N10	N11	N12	N14	N15	N17	N18	N19
0	1	2	1	0	10	1	10	0	0	1	10	0	1	1	0
1	13	64	13	0	149	13	149	0	0	13	149	0	13	13	0
2	37	45	37	9	115	37	115	9	7	37	115	13	34	35	9
3	66	105	65	30	135	66	134	31	19	62	135	33	61	63	31
4	127	147	126	59	129	127	129	60	39	120	129	69	114	119	60
5	136	133	136	53	64	136	64	58	30	134	64	68	132	135	58
6	122	90	122	100	66	122	66	106	79	99	66	117	119	122	106
7	67	88	69	121	56	69	56	124	86	63	56	130	68	66	124
8	65	55	65	147	52	65	52	147	86	64	51	155	65	63	147
9	66	31	67	88	21	67	21	88	44	67	21	100	67	65	88
10	41	27	40	53	11	41	11	54	30	41	11	61	41	38	54
11	42	17	40	39	5	42	5	39	21	42	5	45	42	41	39
12	37	9	34	16	6	37	6	16	6	37	6	22	37	37	16
13	9	0	9	6	3	12	3	5	4	12	3	9	12	12	6
14	6	0	6	6	2	6	2	6	4	6	2	9	6	6	6
15	6	0	6	5	3	6	3	5	5	6	3	8	6	6	5
16	1	0	1	3	2	1	2	3	3	1	2	7	1	1	3
17	0	0	0	3	2	0	2	3	3	0	2	5	0	0	3
Total Number of Data Points	842	813	837	738	831	848	830	754	466	805	830	851	819	823	755

Results

In this section, the prevailing background noise level in dB L_{A90} relative to standardised 10 m height wind speeds are provided for each monitoring location as per the requirements of the survey. The prevailing background noise level is plotted as a solid line for each daytime and night-time periods at each monitoring location. In all cases, the highest order of polynomial used is a fourth order polynomials provided lines of best fit to the scatter data.

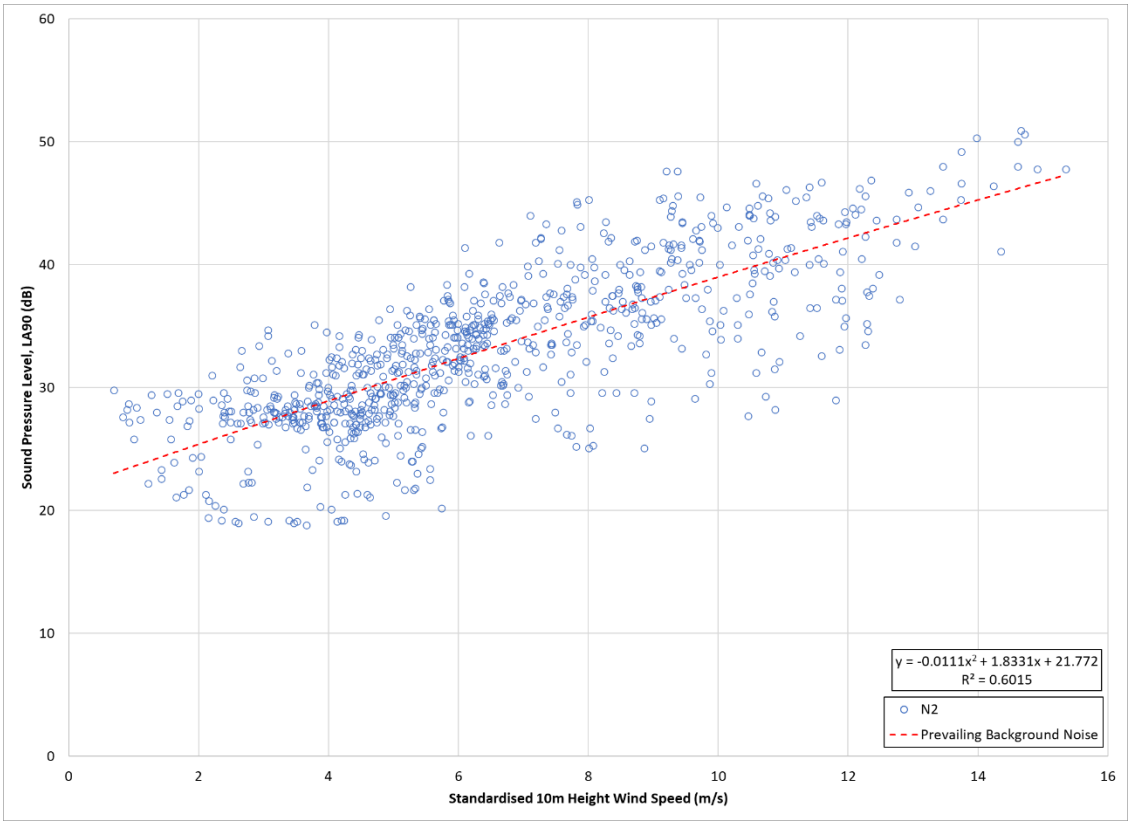


Figure A7.18: Prevailing Daytime Background (L_{A90}) Noise Levels at N2

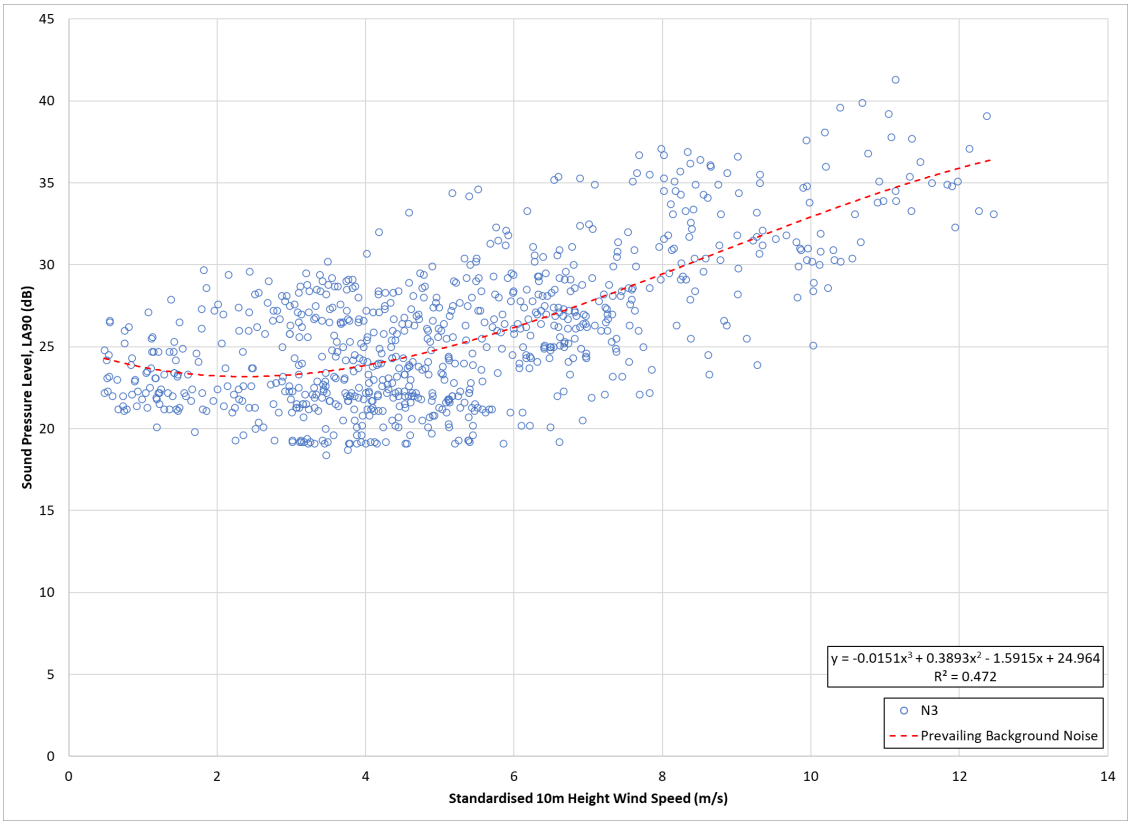


Figure A7.18: Prevailing Daytime Background (L_{A90}) Noise Levels at N3

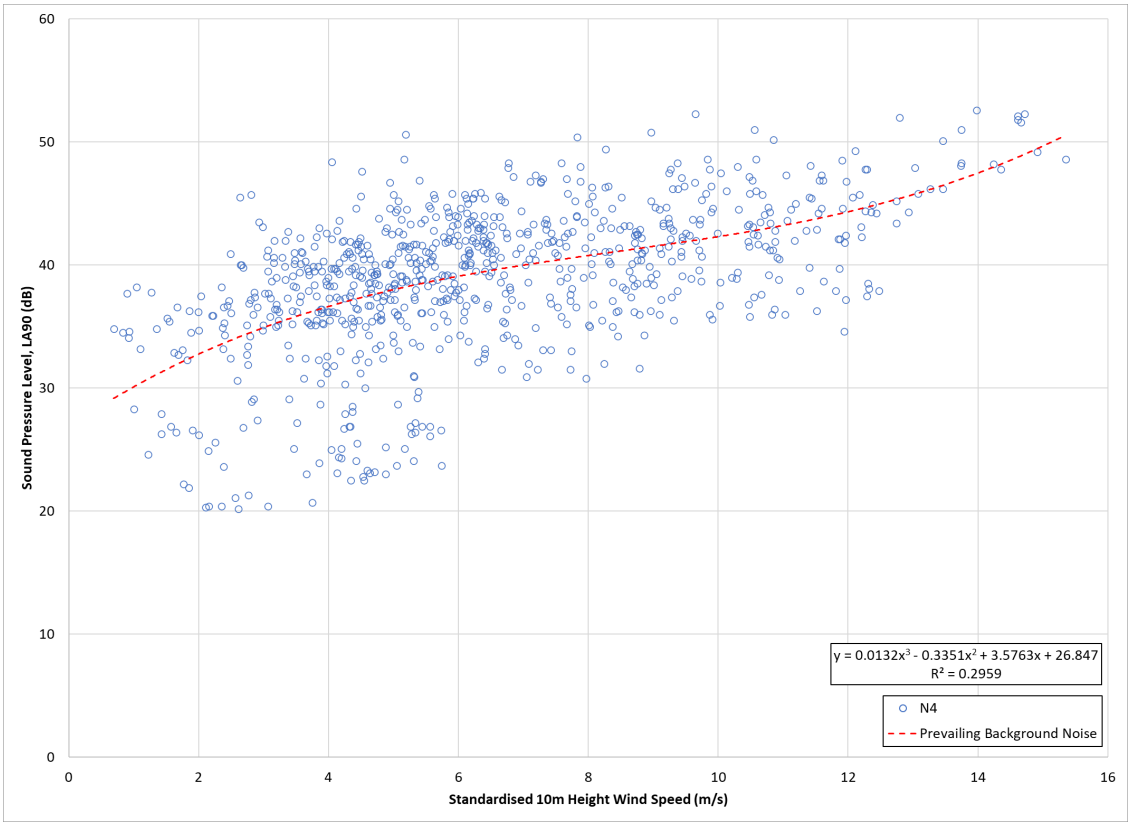


Figure A7.18: Prevailing Daytime Background (L_{A90}) Noise Levels at N4

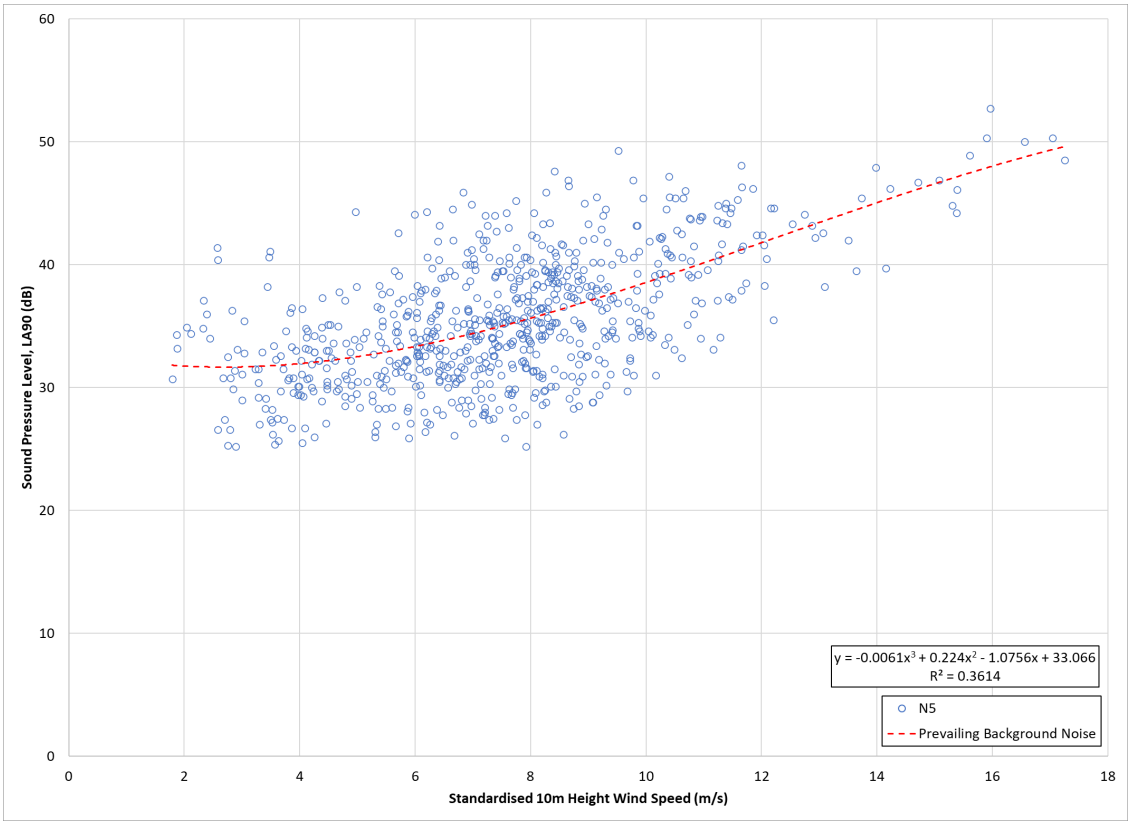


Figure A7.18: Prevailing Daytime Background (L_{A90}) Noise Levels at N5

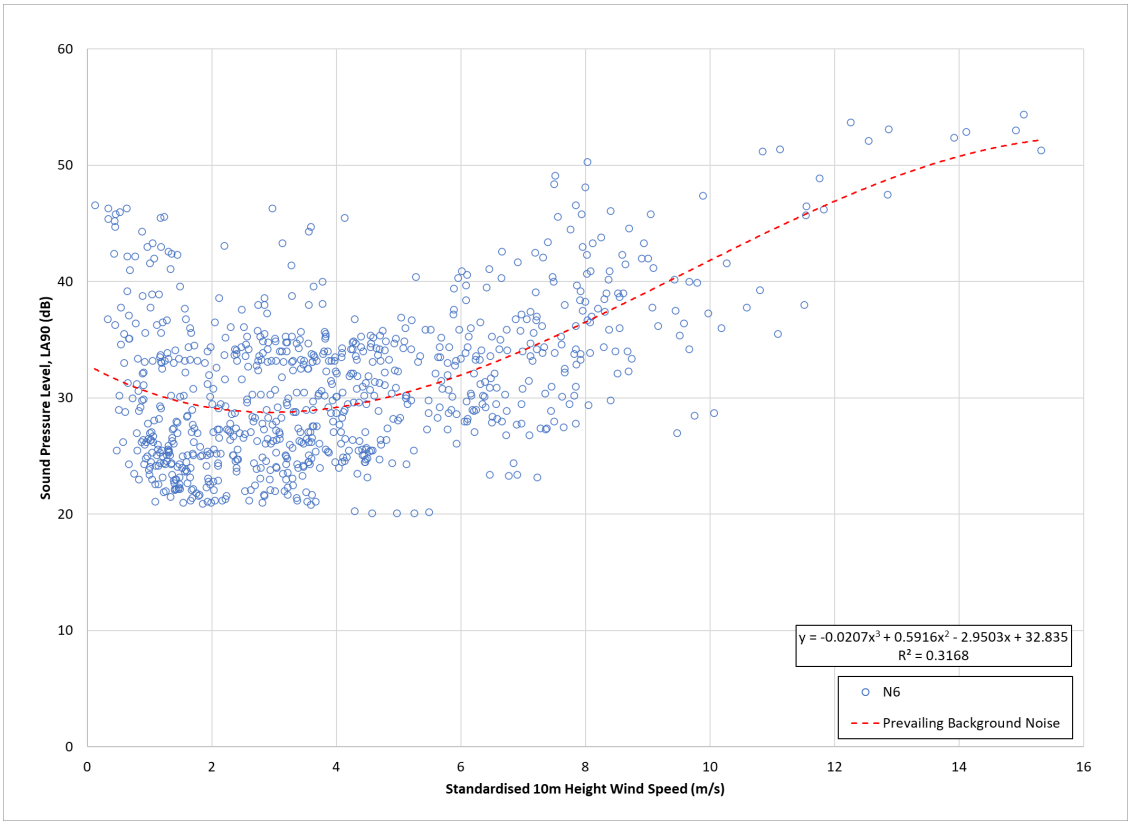


Figure A7.18: Prevailing Daytime Background (L_{A90}) Noise Levels at N6

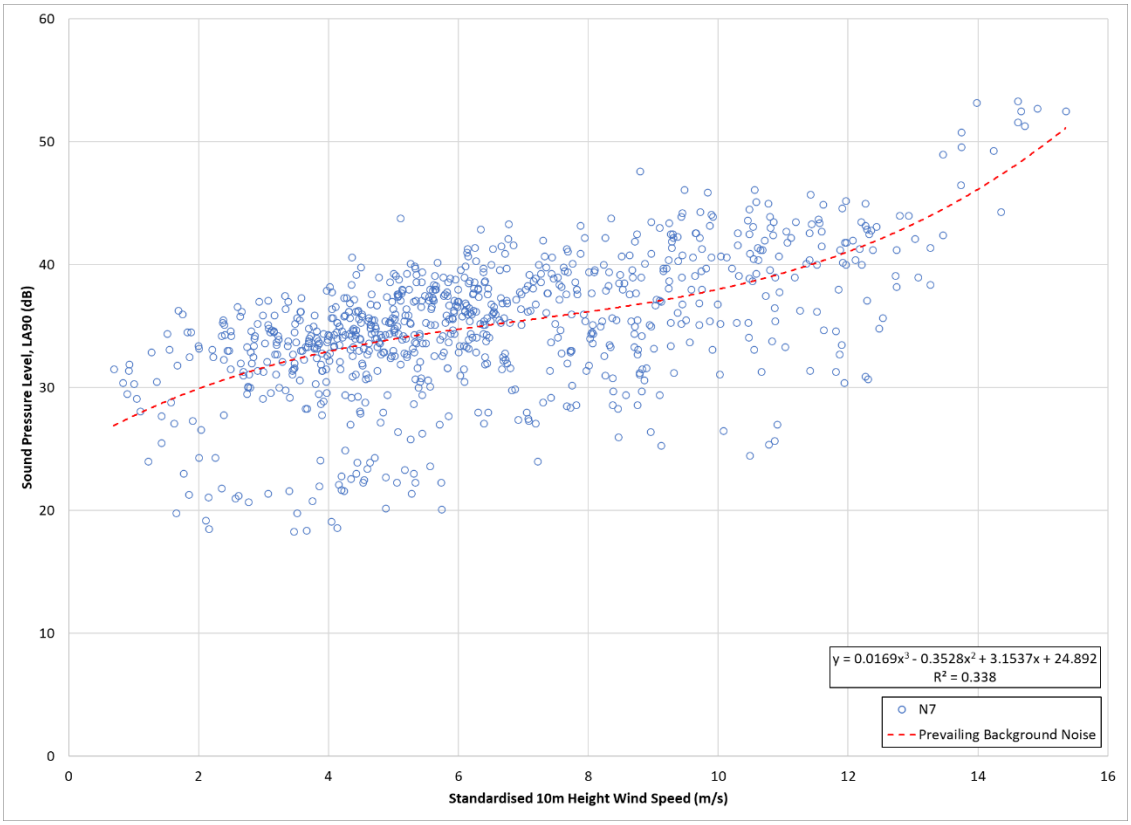


Figure A7.18: Prevailing Daytime Background (L_{A90}) Noise Levels at N7

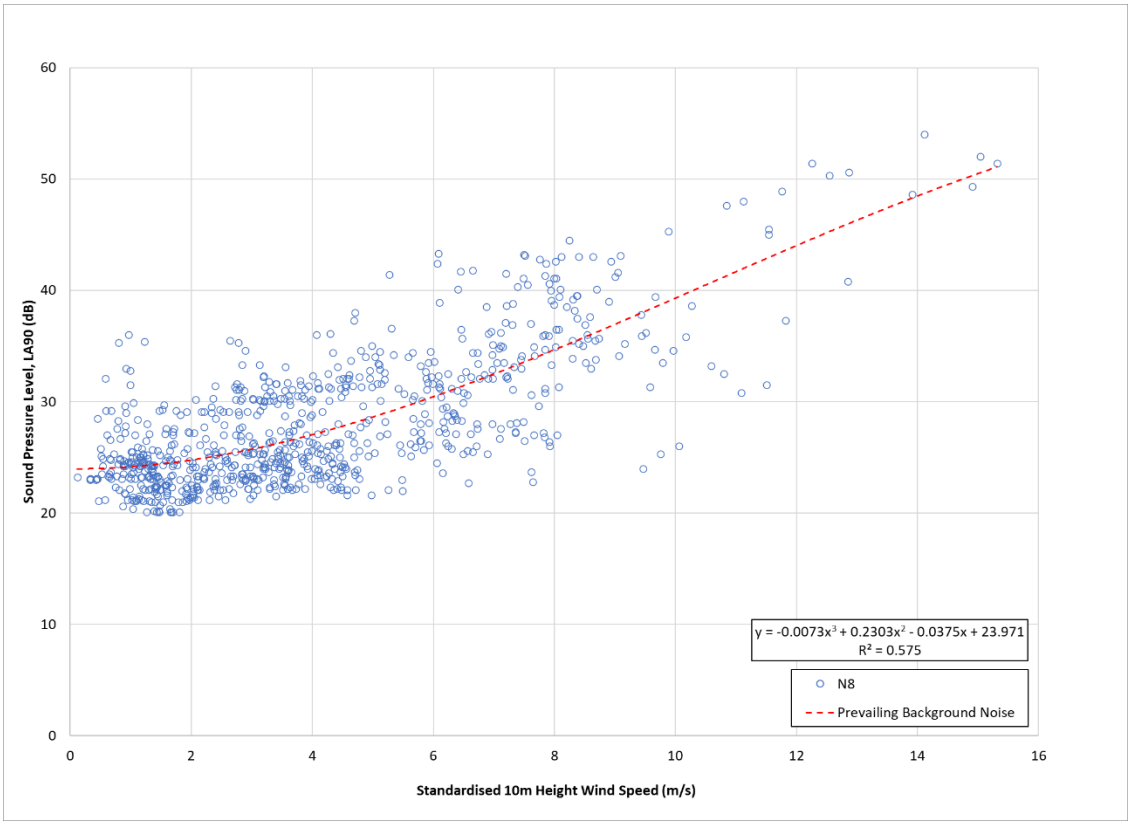


Figure A7.18: Prevailing Daytime Background (L_{A90}) Noise Levels at N8

Figure A7.18: Prevailing Daytime Background (L_{A90}) Noise Levels at N10

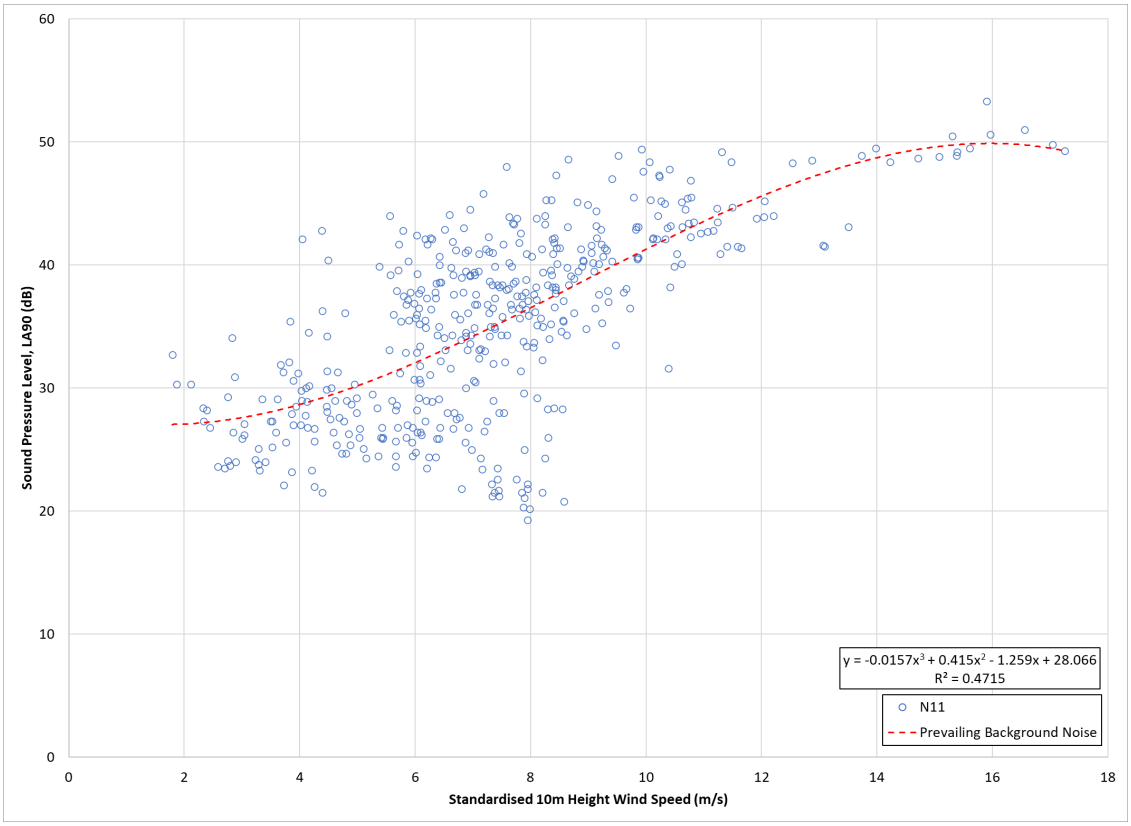


Figure A7.18: Prevailing Daytime Background (L_{A90}) Noise Levels at N11

Figure A7.18: Prevailing Daytime Background (L_{A90}) Noise Levels at N12

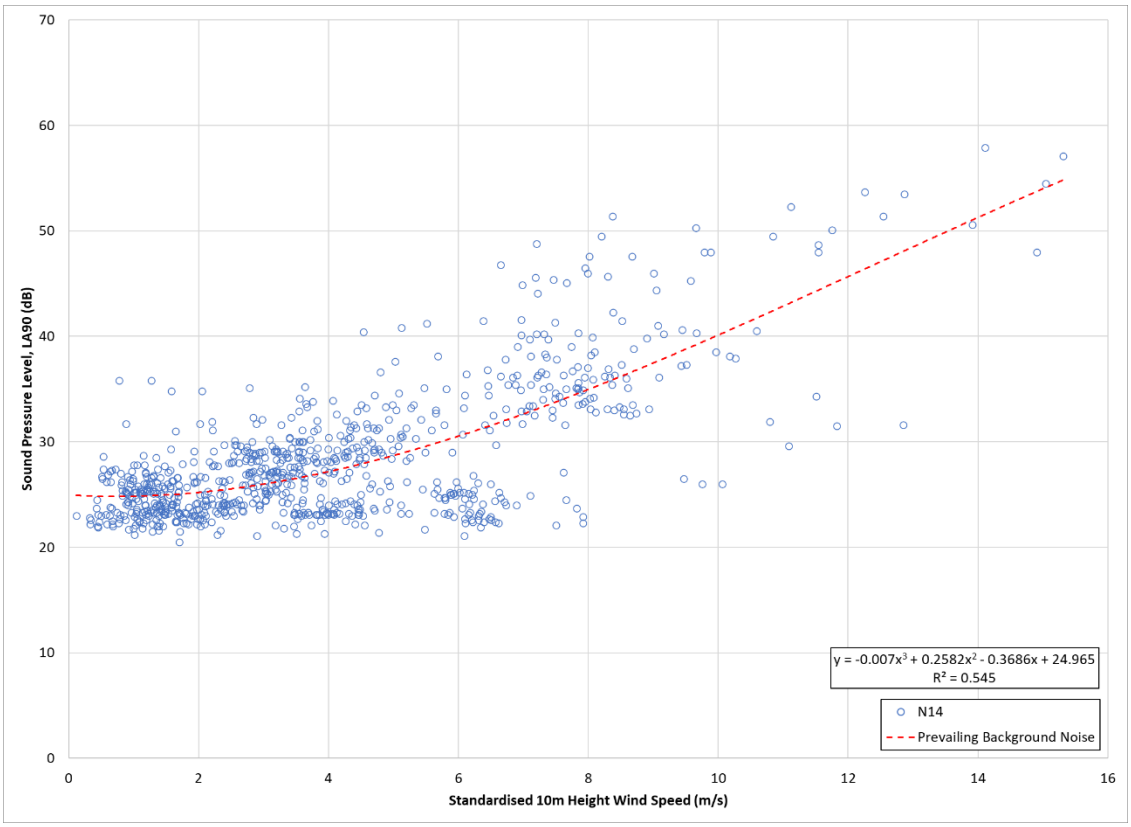


Figure A7.18: Prevailing Daytime Background (L_{A90}) Noise Levels at N14

Figure A7.18: Prevailing Night-time Background (L_{A90}) Noise Levels at N15

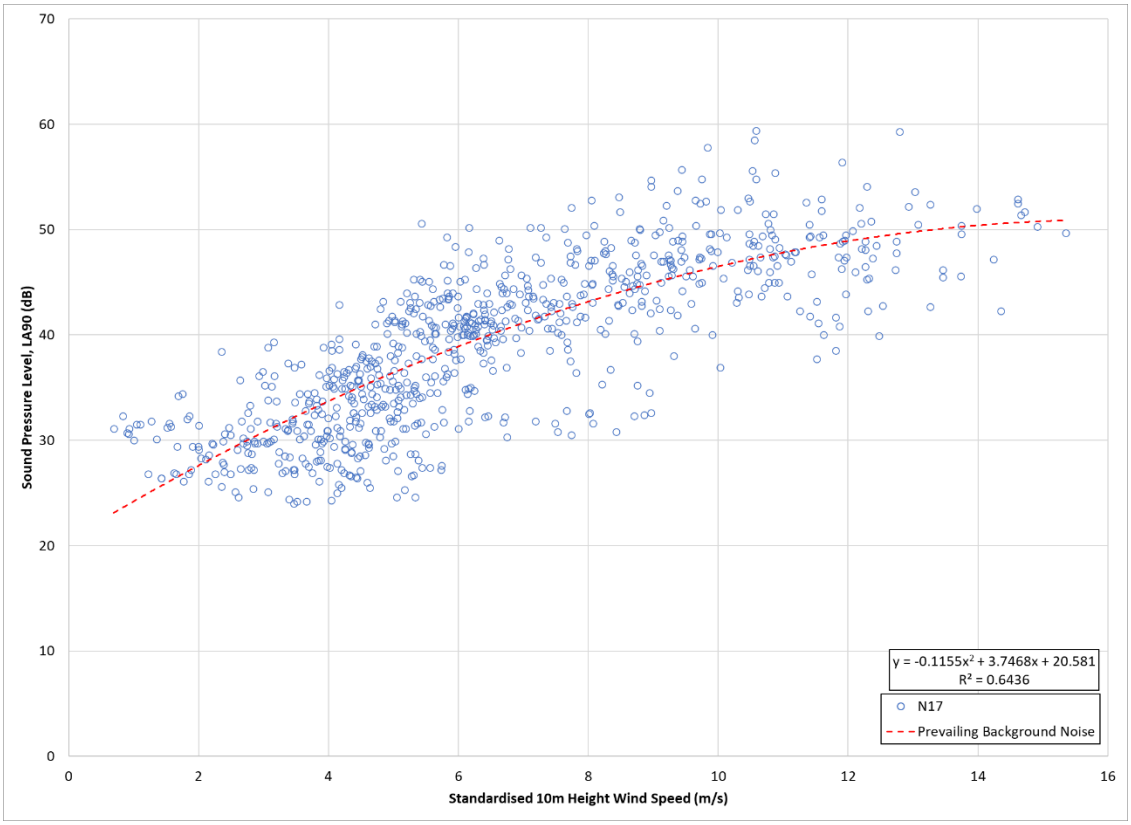


Figure A7.18: Prevailing Night-time Background (L_{A90}) Noise Levels at N17

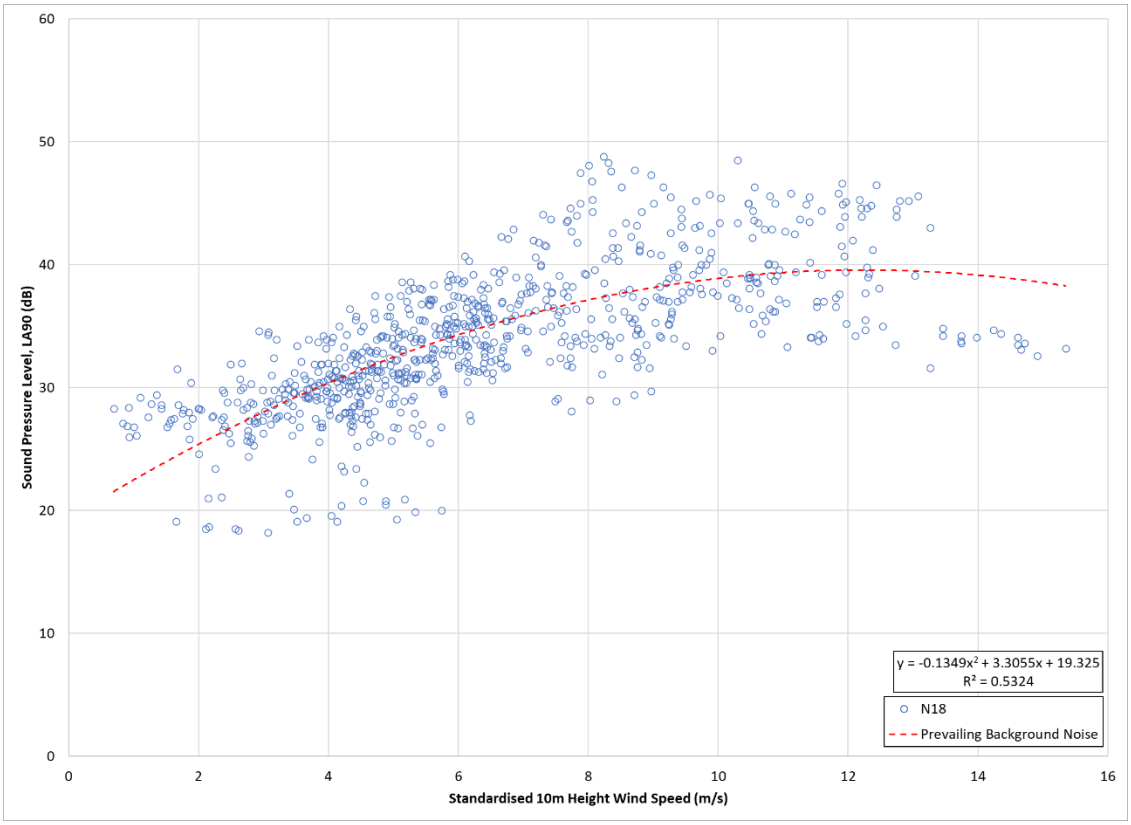


Figure A7.18: Prevailing Night-time Background (L_{A90}) Noise Levels at N18

Figure A7.18: Prevailing Night-time Background (L_{A90}) Noise Levels at N19

The assumed prevailing noise levels at the 15 noise monitoring locations is presented in 7.1.7.

Table 7.1.7: Prevailing Background Noise – Daytime Periods

Location	Prevailing Background Noise $L_{A90,10min}$ (dB) at Standardised 10 m Height Wind Speed (m/s)												
	2	3	4	5	6	7	8	9	10	11	12	13	14
N2	25.4	27.2	28.9	30.7	32.4	34.1	35.7	37.4	39.0	40.6	42.2	43.7	45.3
N3	23.2	23.3	23.9	24.9	26.2	27.7	29.4	31.2	32.9	34.5	35.8	35.8§	35.8§
N4	32.8	34.9	36.6	38.0	39.1	40.0	40.8	41.5	42.3	43.2	44.3	45.7	47.5
N5	31.8	31.7	32.0	32.5	33.4	34.4	35.7	37.1	38.6	40.2	41.9	43.5	45.2
N6	29.1	28.7	29.2	30.3	32.0	34.1	36.5	39.1	41.8	44.4	46.9	49.0	50.7
N7	29.9	31.6	32.9	34.0	34.8	35.5	36.2	37.0	38.0	39.4	41.1	43.4	46.3
N8	24.8	25.7	27.0	28.6	30.5	32.5	34.7	37.0	39.3	41.7	44.1	46.4	48.6
N10	29.5*	29.5	29.7	30.5	31.8	33.6	35.7	38.0	40.5	43.0	45.3	47.5	49.4
N11	27.1	27.6	28.7	30.2	32.1	34.2	36.5	38.9	41.3	43.5	45.6	47.3	48.7
N12	36.3	36.9	37.4	38.0	38.5	39.0	39.6	40.1	40.7	41.2	41.7	42.3	42.8
N14	25.2	26.0	27.2	28.7	30.5	32.6	35.0	37.5	40.1	42.8	45.6	48.4	51.2
N15	34.5*	34.5	34.7	35.4	36.5	38.0	39.8	41.8	44.0	46.2	48.3	50.3	52.1
N17	27.6	30.8	33.7	36.4	38.9	41.1	43.2	44.9	46.5	47.8	48.9	49.8	50.4
N18	25.4	28.0	30.4	32.5	34.3	35.9	37.1	38.1	38.9	39.4	39.6	39.6§	39.6§
N19	26.9	29.4	31.8	34.1	36.3	38.3	40.3	42.2	44.0	45.7	47.3	48.8	50.2

§ - noise level restricted to the highest derived point
* - noise level restricted to lowest derived point

FEHILY TIMONEY

CONSULTANTS IN ENGINEERING,
ENVIRONMENTAL SCIENCE
& PLANNING

APPENDIX 7.2

Equipment Calibration Certificates

NSAI

National Metrology Laboratory

Certificate of Calibration

Issued to	Fehily Timoney & Company J5 Plaza North Business Park North Road Dublin 11
Attention of	John Mahon

Certificate Number	180300
Item Calibrated	Svantek SVAN 977 Sound Level Meter with ACO 7052E Microphone
Serial Number	34876 (SLM) and 56429 (Microphone)
Client ID Number	#2
Order Number	6252
Date Received	24 Jan 2018
NML Procedure Number	AP-NM-09
Method	The above sound level meter was allowed to stabilise for a suitable period in laboratory conditions. It was then calibrated by carrying out the verification tests detailed in IEC 61672-3 (2006), *Periodic tests, specification for the verification of sound level meters*. This standard specifies a procedure for the periodic verification of conformance of a sound level meter or integrating-averaging meter to IEC 61672-1 (2003).
Calibration Standards	Norsonic 1504A Calibration System incorporating: SR DS360 Signal Generator, No. 0735 [Cal Due Date: 21 Dec 2018] Agilent 34401A Digital Multimeter, No. 0736 [Cal Due Date: 17 Nov 2018] B&K 4134 Measuring Microphone, No. 0743 [Cal Due Date: 28 Apr 2019] B&K 4228 Pistonphone, No. 0740 [Cal Due Date: 21 Mar 2019] B&K 4226 Acoustical Calibrator, No. 0150 [Cal Due Date: 15 May 2018]

Calibrated by	David Fleming	Approved by	Paul Hetherington
Date of Calibration	31 Jan 2018	Date of Issue	31 Jan 2018

CIPM MRA

This certificate is consistent with Calibration and Measurement Capabilities (CMC's) that are included in Appendix C of the Mutual Recognition Arrangement (MRA) drawn up by the International Committee for Weights and Measures. Under the MRA, all participating institutes recognize the validity of each other's calibration certificates and measurement reports for quantities, ranges and measurement uncertainties specified in Appendix C (for details see www.bipm.org)

Glas Naíon | Baile Átha Cliath 11 | Eire
Glasnevin | Dublin 11 | Ireland T+ 353 1 808 2609 | F+353 1 808 2603 | NSAI.ie

Statement of Calibration

Issued to:	Calibration Reference
Fehily Timoney J5 Plaza North Park Business Park North Road Dublin 11	SLM200095

Test Date: 03/06/2020
Procedure: TP-SLM-1

Equipment

Item Calibrated:	Sound Level Meter	**Model**	977
Make:	Svantek	**Serial Number:**	69552

Calibration Procedure

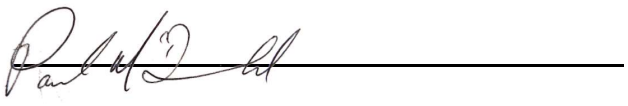
The sound level meter was allowed to stabilize for a suitable period, as described in the manufacturer's instruction manual, in laboratory conditions. The sound level meter was calibrated by carrying out the verification tests detailed in IEC 61672-3 (2006), Periodic tests, specification of sound level meters. Tolerances for verification procedures are specified in IEC 61672-1 (2003).

Calibration Standards

Description	Serial Number
National Instruments PXI-4461	19C91D2
Stanford Research DS360	123803

The standards used in this calibration are traceable to NIST and/or other National Measurement Institutes (NMI's) that are signatories of the International Committee of Weights and Measures (CIPM) mutual recognition agreement (MRA).

Signed on behalf of Sonitus Systems:



SONITUS SYSTEMS

Calibration Report

Equipment Description

Model:	Svantek	**Serial Number:**	69552
Model:	977	**Microphone Model:**	ACO 7052E

Ambient Conditions

Measurement conditions were within the tolerances defined in IEC 61672-1 and IEC 60942.

Barometric Pressure:	1030	hPa
Temperature:	21.6	°C
Relative Humidity:	45	%

Results Summary

IEC 61672 Test #	Test Description	Result
10	Self-generated noise	-
11	Frequency weighting (acoustical)	PASS
12	Frequency weighting (electrical)	PASS
13	Frequency and time weighting (1kHz)	PASS
14	Level linearity on reference level range	PASS
15	Level linearity with level range control	-
16	Toneburst response	PASS
17	Peak C sound level	PASS
18	Overload indication	PASS

As public evidence was available, from a testing organization responsible for approving the results of pattern evaluation tests, to demonstrate that the model of sound level meter fully conformed to the requirements for pattern evaluation described in IEC 61672:2003, the sound level meter tested is considered to conform to all the Class 1 requirements of IEC 61672:2003.

The manufacturer's guidelines concerning appropriate set up for measurement under various conditions should be observed during usage.

Prior to carrying out the verification tests the sound level meter was adjusted to read correctly using the acoustic calibrator held by the testing lab (Cirrus CR511ES, Serial number: 60871). The calibration procedure is described in the manufacturer's instruction manual.

Self-generated noise - IEC 61672-3 Test #10
SLM Measuring Mode: Leq

SLM Configuration	Freq. Weighting Network	SLM Reading
Microphone Installed	A	18.6
Microphone replaced by electrical input device fitted with short circuit	A	7.3
	C	7.3
	Z	12.6

Acoustical signal test of a frequency weighting - IEC 61672-3 Test #11
Range: reference level range
Frequency Weighting: C
Time Weighting: Slow

Input	Freq	Expected Level	Deviation	Tol +/-
94 dB	1000 Hz	94.0	0.0	1.0
	125 Hz	93.7	0.2	1.0
	4000 Hz	92.3	0.5	1.0

The frequency response was tested using an electrostatic actuator. Appropriate correction factors were applied where available from the manufacturer's instruction manual.

Electrical tests of frequency weighting - IEC 61672-3 Test #12
Range: reference level range

A-weighting

Freq	Expected Level	SLM Reading	Deviation	Tol +	Tol -
63	95.0	95.1	0.1	1.5	-1.5
125	95.0	95.0	0.0	1.5	-1.5
250	95.0	94.9	-0.1	1.4	-1.4
500	95.0	95.0	0.0	1.4	-1.4
1000	95.0	95.0	0.0	1.1	-1.1
2000	95.0	95.1	0.1	1.6	-1.6
4000	95.0	95.1	0.1	1.6	-1.6
8000	95.0	95.2	0.2	2.1	-3.1
16000	95.0	94.8	-0.2	3.5	-17.0

C-weighting

Freq	Expected Level	SLM Reading	Deviation	Tol +	Tol -
63	95.0	95.0	0.0	1.5	-1.5
125	95.0	95.4	0.4	1.5	-1.5
250	95.0	95.0	0.0	1.4	-1.4
500	95.0	95.0	0.0	1.4	-1.4
1000	95.0	95.0	0.0	1.1	-1.1
2000	95.0	95.1	0.1	1.6	-1.6
4000	95.0	95.1	0.1	1.6	-1.6
8000	95.0	95.2	0.2	2.1	-3.1
16000	95.0	94.7	-0.3	3.5	-17.0

Linear

Freq	Expected Level	SLM Reading	Deviation	Tol +	Tol -
63	95.0	95.1	0.1	1.5	-1.5
125	95.0	95.1	0.1	1.5	-1.5
250	95.0	95.0	0.0	1.4	-1.4
500	95.0	95.0	0.0	1.4	-1.4
1000	95.0	95.0	0.0	1.1	-1.1
2000	95.0	95.0	0.0	1.6	-1.6
4000	95.0	95.1	0.1	1.6	-1.6
8000	95.0	95.1	0.1	2.1	-3.1
16000	95.0	95.1	0.1	3.5	-17.0

Frequency and Time Weightings at 1 kHz IEC 61672-3 Test #13
Range: reference level range

Time Weighting	Freq. Weighting	Expected Level	Deviation	Tol +/-
Fast	A	94.0	ref	
	C	94.0	0.0	0.2
Slow	A	94.0	0.0	0.2
LEQ	A	94.0	0.0	0.2

Linearity level on reference range - IEC 61672-3 Test #14
Input frequency: 8 kHz
SLM Measuring Mode: SPL

Range	Expected Level	SLM Reading	Deviation	Tol +/-
123 dB	94.0	94.0	0.0	1.1
	99.0	99.0	0.0	1.1
	104.0	104.0	0.0	1.1
	109.0	109.0	0.0	1.1
	114.0	114.0	0.0	1.1
	119.0	119.0	0.0	1.1
	124.0	124.0	0.0	1.1
	129.0	129.0	0.0	1.1
	134.0	134.0	0.0	1.1
	135.0	135.0	0.0	1.1
	136.0	136.0	0.0	1.1
	137.0	137.0	0.0	1.1
	89.0	89.0	0.0	1.1
	84.0	84.0	0.0	1.1
	79.0	79.0	0.0	1.1
	74.0	74.0	0.0	1.1
	69.0	69.0	0.0	1.1
	64.0	64.0	0.0	1.1
	59.0	59.0	0.0	1.1
	54.0	54.0	0.0	1.1
	49.0	49.0	0.0	1.1
	44.0	44.0	0.0	1.1
	39.0	39.0	0.0	1.1
	38.0	38.0	0.0	1.1
	37.0	37.0	0.0	1.1
	36.0	36.0	0.0	1.1
	35.0	35.0	0.0	1.1

Toneburst response - IEC 61672-3 Test #16
Range: reference level range

Burst Type	Response	Expected Level	SLM Reading	Deviation	Tol +	Tol -
0.25 ms	LAF_{MAX}	111.0	110.9	-0.1	0.8	-0.8
2.0 ms	LAF_{MAX}	120.0	119.9	-0.1	1.3	-1.3
200 ms	LAF_{MAX}	137.0	137.0	0.0	1.3	-3.3
2.0 ms	LAS_{MAX}	111.0	111.3	0.3	0.8	-0.8
200 ms	LAS_{MAX}	130.6	130.6	0.0	1.3	-3.3

Peak C sound level - IEC 61672-3 Test #17
Range: reference level range

Pulse Type	Freq	Expected Level	SLM Reading	Deviation	Tol +/-
1 cycle	8 kHz	135.4	135.3	-0.1	2.4
Pos ½ cycle	500 Hz	137.4	137.3	-0.1	1.4
Neg ½ cycle	500 Hz	137.4	137.3	-0.1	1.4

Overload indication IEC 61672-3 Test #18

Test Description	Overload at	Meas. Diff. (Pos – Neg)	Tol +/-
Pos. ½ cycle at 4 kHz	140.0		
Neg. ½ cycle at 4 kHz	140.0		
Level difference		0.0	1.8

Calibration Notes

1. The manufacturer's instruction manual was accessed through the manufacturer's website.
2. The sound level meter was powered by a regulated 9V power supply provided by the testing laboratory.

NSAI

National Metrology Laboratory

Certificate of Calibration

Issued to	Fehily Timoney & Company J5 Plaza North Park Business Park North Road Dublin 11
Attention of	John Mahon

Certificate Number	173660
Item Calibrated	Svantek SVAN 977 Sound Level Meter with ACO 7052E Microphone
Serial Number	34173 (SLM) and 54691 (Microphone)
Client ID Number	#3
Order Number	6308
Date Received	20 Oct 2017
NML Procedure Number	AP-NM-09
Method	The above sound level meter was allowed to stabilise for a suitable period in laboratory conditions. It was then calibrated by carrying out the verification tests detailed in IEC 61672-3 (2006), *Periodic tests, specification for the verification of sound level meters*. This standard specifies a procedure for the periodic verification of conformance of a sound level meter or integrating-averaging meter to IEC 61672-1 (2003).
Calibration Standards	Norsonic 1504A Calibration System incorporating: SR DS360 Signal Generator, No. 0735 [Cal Due Date: 18 Nov 2017] Agilent 34401A Digital Multimeter, No. 0736 [Cal Due Date: 07 Nov 2017] B&K 4134 Measuring Microphone, No. 0742 [Cal Due Date: 18 Jan 2018] B&K 4228 Pistonphone, No. 0741 [Cal Due Date: 08 Jan 2018] B&K 4226 Acoustical Calibrator, No. 0150 [Cal Due Date: 15 May 2018]

Calibrated by	David Fleming	Approved by	Paul Hetherington
Date of Calibration	31 Oct 2017	Date of Issue	01 Nov 2017

CIPM MRA

This certificate is consistent with Calibration and Measurement Capabilities (CMC's) that are included in Appendix C of the Mutual Recognition Arrangement (MRA) drawn up by the International Committee for Weights and Measures. Under the MRA, all participating institutes recognize the validity of each other's calibration certificates and measurement reports for quantities, ranges and measurement uncertainties specified in Appendix C (for details see www.bipm.org)

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Glasnevin | Dublin 11 | Ireland T+ 353 1 808 2609 | F+353 1 808 2603 | NSAI.ie

ENVIRONMENTAL CONDITIONS

Temperature	Relative humidity	Ambient pressure
29 °C	37%	1005 hPa

TEST EQUIPMENT

Item	Manufacturer	Model	Serial no.	Description
1.	SVANTEK	SVAN 401	127	Signal generator
2.	SVANTEK	SVAN 912A	9537	Sound & Vibration Analyser
3.	KEITHLEY	2000	0910165	Digital multimeter
4.	SVANTEK	SV33	48878	Acoustic calibrator
5.	SVANTEK	ST02	-	Microphone equivalent electrical impedance (18pF)
6.	DYTRAN	3233A	1376	Reference accelerometer

CONFORMITY & TEST DECLARATION

1. Herewith Svantek company declares that this instrument has been calibrated and tested in compliance with the internal ISO9001 procedures and meets all specification given in the Manual(s) or respectively surpass them.

2. The acoustic calibration was performed using the Sound Calibrator and is traceable to the GUM (Central Office of Measures) reference standard - sound level calibrator type 4231 No 2292773.

3. The vibrational calibration was performed using the Back-to-Back Comparison method and is traceable to the GUM (Central Office of Measures) reference standard - accelerometer type 8305 No 1435233.

4. The information appearing on this sheet has been compiled specifically for this instrument. This form is produced with advanced equipment & procedures which permit comprehensive quality assurance verification of all data supplied herein.

5. This calibration sheet shall not be reproduced except in full, without written permission of the SVANTEK Ltd.

Calibration specialist: Krzysztof Kubeł .....

Test date: 2018-06-01

SVANTEK

ISO9001 certified

FACTORY CALIBRATION DATA OF THE *SVAN 977A No. 69557*

with preamplifier SVANTEK type SV12L No. 72140 and microphone ACO PACIFIC type 7052E No. 69617

SOUND LEVEL METER

1. CALIBRATION (electrical)

LEVEL METER function; Characteristic: A; f_{str}=1 kHz; Input signal =110.9 dB;

Range	Low (120dB)	High (137dB)
Indication [dB]	114.0	114.0
Error [dB]	0.0	0.0

2. CALIBRATION* (acoustical)

LEVEL METER function; Range: High; Reference frequency: 1000 Hz; Sound Pressure Level: : **113.99** dB.

Characteristic	Correct value [dB]	Indication [dB]	Error [dB]
Z	113.99	113.97	-0.02
A	113.99	113.97	-0.02
C	113.99	113.97	-0.02

Calibration measured with the microphone ACO PACIFIC type 7052E No. 69617. Calibration factor: 0.02 dB.

3. LINEARITY TEST* (electrical)

LEVEL METER function; Range: Low; Characteristic: A; f_{str}= 31.5 Hz

Nominal result LEQ [dB]	24.0	25.0	26.0	28.0	30.0	40.0	60.0	80.0
Error [dB]	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0

LEVEL METER function; Range: Low; Characteristic: A; f_{str}= 1000 Hz

Nominal result LEQ [dB]	24.0	25.0	26.0	28.0	30.0	40.0	60.0	80.0	100.0	120.0
Error [dB]	0.1	0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0

LEVEL METER function; Range: Low; Characteristic: A; f_{str}= 8000 Hz

Nominal result LEQ [dB]	24.0	25.0	26.0	28.0	30.0	40.0	60.0	80.0	100.0	119.0
Error [dB]	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0

LEVEL METER function; Range: High; Characteristic: A; f_{str}= 31.5 Hz

Nominal result LEQ [dB]	35.0	36.0	37.0	38.0	40.0	60.0	80.0	97.0
Error [dB]	0.1	0.1	0.1	0.0	0.0	-0.0	-0.0	0.0

LEVEL METER function; Range: High; Characteristic: A; f_{str}= 1000 Hz

Nominal result LEQ [dB]	35.0	36.0	37.0	38.0	40.0	60.0	80.0	100.0	120.0	137.0
Error [dB]	0.1	0.1	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0	-0.0

LEVEL METER function; Range: High; Characteristic: A; f_{str}= 8000 Hz

Nominal result LEQ [dB]	35.0	36.0	37.0	38.0	40.0	60.0	80.0	100.0	120.0	136.0
Error [dB]	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0

4. TONE BURST RESPONSE*

LEVEL METER function; Characteristic: A; f_{str}= 4000 Hz; Burst duration: 2 s

Range: **Low**; Steady level nominal result = 117dB

Result	Detector	Duration [ms]	1000	500	200	100	50	20	10	5	2	1	0.5	0.25
MAX	Fast	Indication [dB]	117.0	116.9	116.0	114.4	112.2	108.7	105.8	102.9	99.8	95.9	92.9	89.9
		Error [dB]	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.1	0.0	-0.0	-0.0	-0.1	-0.1
	Slow	Indication [dB]	115.0	112.9	109.6	106.8	103.9	100.0	97.0	94.0	90.0	-	-	-
		Error [dB]	0.0	0.1	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-	-	-
SEL	-	Indication [dB]	117.0	114.0	110.0	107.0	104.0	100.0	97.0	94.0	90.0	86.9	83.9	80.9
		Error [dB]	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	+0.0	-0.1	-0.1

Statement of Calibration

Issued to:	Calibration Reference
Fehily Timoney J5 Plaza North Park Business Park North Road Dublin 11	SLM200094

Test Date: 03/06/2020
Procedure: TP-SLM-1

Equipment

Item Calibrated:	Sound Level Meter	**Model**	977
Make:	Svantek	**Serial Number:**	69558

Calibration Procedure

The sound level meter was allowed to stabilize for a suitable period, as described in the manufacturer's instruction manual, in laboratory conditions. The sound level meter was calibrated by carrying out the verification tests detailed in IEC 61672-3 (2006), Periodic tests, specification of sound level meters. Tolerances for verification procedures are specified in IEC 61672-1 (2003).

Calibration Standards

Description	Serial Number
National Instruments PXI-4461	19C91D2
Stanford Research DS360	123803

The standards used in this calibration are traceable to NIST and/or other National Measurement Institutes (NMI's) that are signatories of the International Committee of Weights and Measures (CIPM) mutual recognition agreement (MRA).

Signed on behalf of Sonitus Systems:

SONITUS SYSTEMS

Calibration Report

Equipment Description

Model:	Svantek	**Serial Number:**	69558
Model:	977	**Microphone Model:**	ACO 7052E

Ambient Conditions

Measurement conditions were within the tolerances defined in IEC 61672-1 and IEC 60942.

Barometric Pressure:	1030	hPa
Temperature:	23.4	°C
Relative Humidity:	39	%

Results Summary

IEC 61672 Test #	Test Description	Result
10	Self-generated noise	-
11	Frequency weighting (acoustical)	PASS
12	Frequency weighting (electrical)	PASS
13	Frequency and time weighting (1kHz)	PASS
14	Level linearity on reference level range	PASS
15	Level linearity with level range control	-
16	Toneburst response	PASS
17	Peak C sound level	PASS
18	Overload indication	PASS

As public evidence was available, from a testing organization responsible for approving the results of pattern evaluation tests, to demonstrate that the model of sound level meter fully conformed to the requirements for pattern evaluation described in IEC 61672:2003, the sound level meter tested is considered to conform to all the Class 1 requirements of IEC 61672:2003.

The manufacturer's guidelines concerning appropriate set up for measurement under various conditions should be observed during usage.

Prior to carrying out the verification tests the sound level meter was adjusted to read correctly using the acoustic calibrator held by the testing lab (Cirrus CR511ES, Serial number: 60871). The calibration procedure is described in the manufacturer's instruction manual.

Self-generated noise - IEC 61672-3 Test #10
SLM Measuring Mode: Leq

SLM Configuration	Freq. Weighting Network	SLM Reading
Microphone Installed	A	18.8
Microphone replaced by electrical input device fitted with short circuit	A	10.6
	C	10.6
	Z	10.6

Acoustical signal test of a frequency weighting - IEC 61672-3 Test #11
Range: reference level range
Frequency Weighting: C
Time Weighting: Slow

Input	Freq	Expected Level	Deviation	Tol +/-
94 dB	1000 Hz	94.0	0.0	1.0
	125 Hz	93.7	0.2	1.0
	4000 Hz	92.3	0.5	1.0

The frequency response was tested using an electrostatic actuator. Appropriate correction factors were applied where available from the manufacturer's instruction manual.

Electrical tests of frequency weighting - IEC 61672-3 Test #12
Range: reference level range

A-weighting

Freq	Expected Level	SLM Reading	Deviation	Tol +	Tol -
63	95.0	95.0	0.0	1.5	-1.5
125	95.0	94.9	-0.1	1.5	-1.5
250	95.0	94.9	-0.1	1.4	-1.4
500	95.0	95.0	0.0	1.4	-1.4
1000	95.0	95.0	0.0	1.1	-1.1
2000	95.0	95.0	0.0	1.6	-1.6
4000	95.0	95.1	0.1	1.6	-1.6
8000	95.0	95.1	0.1	2.1	-3.1
16000	95.0	94.7	-0.3	3.5	-17.0

C-weighting

Freq	Expected Level	SLM Reading	Deviation	Tol +	Tol -
63	95.0	95.0	0.0	1.5	-1.5
125	95.0	95.4	0.4	1.5	-1.5
250	95.0	95.0	0.0	1.4	-1.4
500	95.0	95.0	0.0	1.4	-1.4
1000	95.0	95.0	0.0	1.1	-1.1
2000	95.0	95.1	0.1	1.6	-1.6
4000	95.0	95.1	0.1	1.6	-1.6
8000	95.0	95.1	0.1	2.1	-3.1
16000	95.0	94.7	-0.3	3.5	-17.0

Linear

Freq	Expected Level	SLM Reading	Deviation	Tol +	Tol -
63	95.0	95.0	0.0	1.5	-1.5
125	95.0	95.0	0.0	1.5	-1.5
250	95.0	95.0	0.0	1.4	-1.4
500	95.0	95.0	0.0	1.4	-1.4
1000	95.0	95.0	0.0	1.1	-1.1
2000	95.0	95.0	0.0	1.6	-1.6
4000	95.0	95.0	0.0	1.6	-1.6
8000	95.0	95.0	0.0	2.1	-3.1
16000	95.0	95.0	0.0	3.5	-17.0

Frequency and Time Weightings at 1 kHz IEC 61672-3 Test #13
Range: reference level range

Time Weighting	Freq. Weighting	Expected Level	Deviation	Tol +/-
Fast	A	94.0	ref	
	C	94.0	0.0	0.2
Slow	A	94.0	0.0	0.2
LEQ	A	94.0	0.0	0.2

Linearity level on reference range - IEC 61672-3 Test #14
Input frequency: 8 kHz
SLM Measuring Mode: SPL

Range	Expected Level	SLM Reading	Deviation	Tol +/-
123 dB	94.0	94.0	0.0	1.1
	99.0	99.0	0.0	1.1
	104.0	104.0	0.0	1.1
	109.0	109.0	0.0	1.1
	114.0	114.0	0.0	1.1
	119.0	119.0	0.0	1.1
	124.0	124.0	0.0	1.1
	129.0	129.0	0.0	1.1
	134.0	134.0	0.0	1.1
	135.0	135.0	0.0	1.1
	136.0	136.0	0.0	1.1
	137.0	137.0	0.0	1.1
	89.0	89.0	0.0	1.1
	84.0	84.0	0.0	1.1
	79.0	79.0	0.0	1.1
	74.0	74.0	0.0	1.1
	69.0	69.0	0.0	1.1
	64.0	64.0	0.0	1.1
	59.0	59.0	0.0	1.1
	54.0	54.0	0.0	1.1
	49.0	49.1	0.1	1.1
	44.0	44.1	0.1	1.1
	39.0	39.1	0.1	1.1
	38.0	38.1	0.1	1.1
	37.0	37.2	0.2	1.1
	36.0	36.2	0.2	1.1
	35.0	35.3	0.3	1.1

Toneburst response - IEC 61672-3 Test #16
Range: reference level range

Burst Type	Response	Expected Level	SLM Reading	Deviation	Tol +	Tol -
0.25 ms	LAF_{MAX}	111.0	110.8	-0.2	0.8	-0.8
2.0 ms	LAF_{MAX}	120.0	119.9	-0.1	1.3	-1.3
200 ms	LAF_{MAX}	137.0	137.0	0.0	1.3	-3.3
2.0 ms	LAS_{MAX}	111.0	111.3	0.3	0.8	-0.8
200 ms	LAS_{MAX}	130.6	130.6	0.0	1.3	-3.3

Peak C sound level - IEC 61672-3 Test #17
Range: reference level range

Pulse Type	Freq	Expected Level	SLM Reading	Deviation	Tol +/-
1 cycle	8 kHz	135.4	135.3	-0.1	2.4
Pos ½ cycle	500 Hz	137.4	137.4	0	1.4
Neg ½ cycle	500 Hz	137.4	137.4	0	1.4

Overload indication IEC 61672-3 Test #18

Test Description	Overload at	Meas. Diff. (Pos – Neg)	Tol +/-
Pos. ½ cycle at 4 kHz	142.5		
Neg. ½ cycle at 4 kHz	142.5		
Level difference		0.0	1.8

Calibration Notes

1. The manufacturer's instruction manual was accessed through the manufacturer's website.
2. The sound level meter was powered by a regulated 9V power supply provided by the testing laboratory.

ENVIRONMENTAL CONDITIONS

Temperature	Relative humidity	Ambient pressure
29 °C	37%	1005 hPa

TEST EQUIPMENT

Item	Manufacturer	Model	Serial no.	Description
1.	SVANTEK	SVAN 401	127	Signal generator
2.	SVANTEK	SVAN 912A	9537	Sound & Vibration Analyser
3.	KEITHLEY	2000	0910165	Digital multimeter
4.	SVANTEK	SV33	48878	Acoustic calibrator
5.	SVANTEK	ST02	-	Microphone equivalent electrical impedance (18pF)
6.	DYTRAN	3233A	1376	Reference accelerometer

CONFORMITY & TEST DECLARATION

1. Herewith Svantek company declares that this instrument has been calibrated and tested in compliance with the internal ISO9001 procedures and meets all specification given in the Manual(s) or respectively surpass them.
2. The acoustic calibration was performed using the Sound Calibrator and is traceable to the GUM (Central Office of Measures) reference standard - sound level calibrator type 4231 No 2292773.
3. The vibrational calibration was performed using the Back-to-Back Comparison method and is traceable to the GUM (Central Office of Measures) reference standard - accelerometer type 8305 No 1435233.
4. The information appearing on this sheet has been compiled specifically for this instrument. This form is produced with advanced equipment & procedures which permit comprehensive quality assurance verification of all data supplied herein.
5. This calibration sheet shall not be reproduced except in full, without written permission of the SVANTEK Ltd.

Calibration specialist: Krzysztof Kubeł .....

Test date: 2018-06-01

SVANTEK

ISO9001 certified

FACTORY CALIBRATION DATA OF THE *SVAN 977A No. 69556*

with preamplifier SVANTEK type SV12L No. 72145 and microphone ACO PACIFIC type 7052E No. 69608

SOUND LEVEL METER

1. CALIBRATION (electrical)

LEVEL METER function; Characteristic: A; f_{nin}=1 kHz; Input signal =110.9 dB;

Range	Low (120dB)	High (137dB)
Indication [dB]	114.0	134.0
Error [dB]	0.0	0.0

2. CALIBRATION* (acoustical)

LEVEL METER function; Range: High; Reference frequency: 1000 Hz; Sound Pressure Level: : **113.99** dB

Characteristic	Correct value [dB]	Indication [dB]	Error [dB]
Z	113.99	114.02	0.03
A	113.99	114.02	0.03
C	113.99	114.02	0.03

Calibration measured with the microphone ACO PACIFIC type 7052E No. 69608. Calibration factor: 0.63 dB.

3. LINEARITY TEST* (electrical)

LEVEL METER function; Range: Low; Characteristic: A; f_{nin}= 31.5 Hz

Nominal result LEQ [dB]	24.0	25.0	26.0	28.0	30.0	40.0	60.0	80.0
Error [dB]	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0

LEVEL METER function; Range: Low; Characteristic: A; f_{nin}= 1000 Hz

Nominal result LEQ [dB]	24.0	25.0	26.0	28.0	30.0	40.0	60.0	80.0	100.0	120.0
Error [dB]	0.1	0.1	0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0

LEVEL METER function; Range: Low; Characteristic: A; f_{nin}= 8000 Hz

Nominal result LEQ [dB]	24.0	25.0	26.0	28.0	30.0	40.0	60.0	80.0	100.0	119.0
Error [dB]	0.1	0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0

LEVEL METER function; Range: High; Characteristic: A; f_{nin}= 31.5 Hz

Nominal result LEQ [dB]	35.0	36.0	37.0	38.0	40.0	60.0	80.0	97.0
Error [dB]	0.1	0.1	0.0	0.0	0.0	-0.0	-0.0	0.0

LEVEL METER function; Range: High; Characteristic: A; f_{nin}= 1000 Hz

Nominal result LEQ [dB]	35.0	36.0	37.0	38.0	40.0	60.0	80.0	100.0	120.0	137.0
Error [dB]	0.1	0.1	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0

LEVEL METER function; Range: High; Characteristic: A; f_{nin}= 8000 Hz

Nominal result LEQ [dB]	35.0	36.0	37.0	38.0	40.0	60.0	80.0	100.0	120.0	136.0
Error [dB]	0.1	0.1	0.0	0.1	0.0	-0.0	-0.0	0.0	-0.0	0.0

4. TONE BURST RESPONSE*

LEVEL METER function; Characteristic: A; f_{nin}= 4000 Hz; Burst duration: 2 s

Range: **Low**; Steady level nominal result = 117dB

Result	Detector	Duration [ms]	1000	500	200	100	50	20	10	5	2	1	0.5	0.25
MAX	Fast	Indication [dB]	117.0	116.9	116.0	114.4	112.3	108.7	105.8	102.9	99.0	96.0	92.9	89.9
		Error [dB]	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.1	0.0	-0.0	-0.1	-0.1	-0.1
	Slow	Indication [dB]	113.0	113.0	109.6	106.8	103.9	100.0	97.0	94.0	90.0	-	-	-
		Error [dB]	0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-	-	-
SEL	-	Indication [dB]	117.0	114.0	110.9	107.0	104.0	100.0	97.0	94.0	90.0	87.0	83.9	80.9
		Error [dB]	0.0	-0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	-0.1	-0.1	-0.1

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APPENDIX 7.3

Noise Sensitive Location Details

Receptor ID	Description	Easting	Northing
R45	Residential	534418	582679
R48	Residential	533689	582263
R49	Residential and Commercial	534492	585161
R61	Residential	533740	582182
R65	Residential and Commercial	529417	581491
R66	Residential	529758	582176
R90	Residential	532158	587221
R95	Residential and Commercial	534643	588520
R96	Residential	535077	588746
R97	Residential	535031	588900
R120	Residential	534012	588565
R122	Residential and Commercial	534869	588655
R144	Residential	533396	582523
R145	Residential	533351	582539
R146	Residential	533691	582379
R147	Residential	534131	582618
R148	Residential	534118	582188
R149	Residential	534489	582566
R150	Residential	534595	582448
R151	Residential	535115	581622
R176	Residential	534037	582211
R180	Residential	531932	586383
R197	Residential	535095	581675
R274	Residential and Commercial	528517	582291
R287	Residential	529246	581990
R288	Residential and Commercial	529203	582064
R288	Residential and Commercial	529231	582066
R312	Residential	529179	582008
R369	Residential and Commercial	534980	582317
R370	Residential	534314	582681
R371	Residential and Commercial	534165	582593
R383	Residential	533396	582483
R386	Residential	532551	583511
R402	Residential and Commercial	535316	581407
R403	Residential	535101	581552

Receptor ID	Description	Easting	Northing
R404	Residential and Commercial	534687	582463
R405	Residential	534308	585034
R408	Residential and Commercial	533716	582623
R429	Residential	533986	588514
R430	Residential	534122	588526
R431	Residential	534246	589220
R432	Residential and Commercial	534161	589255
R433	Residential	533881	587809
R436	Residential	534638	588430
R437	Residential	534381	589118
R480	Residential and Commercial	543974	584123
R481	Residential	544397	584120
R482	Residential	536930	589134
R496	Residential	537928	577641
R510	Residential and Commercial	538385	582786
R511	Residential	539023	584208
R513	Residential and Commercial	541492	587532
R519	Residential	536120	580812
R520	Residential	536454	580811
R521	Residential	536402	580780
R522	Residential and Commercial	537473	580598
R535	Residential	541404	583094
R536	Residential	541505	583110
R537	Residential and Commercial	538715	582266
R568	Residential and Commercial	535872	580554
R569	Residential and Commercial	535873	580554
R570	Residential and Commercial	535786	580732
R571	Residential	536857	581559
R572	Residential	537674	582539
R573	Residential	537891	582706
R584	Residential	538673	577843
R592	Residential and Commercial	539134	583294
R593	Residential and Commercial	539129	583239

Receptor ID	Description	Easting	Northing
R594	Residential	539326	583103
R595	Residential	540717	583457
R596	Residential	541051	583315
R597	Residential	544048	588654
R598	Residential	542375	588414
R599	Residential	542365	587889
R600	Residential	540622	589164
R608	Residential and Commercial	537724	576872
R616	Residential	540153	588809
R621	Residential	542358	583333
R622	Residential	542368	583377
R623	Residential	542414	583437
R629	Residential	539365	581609
R639	Residential	537506	580248
R640	Residential	537660	580660
R659	Residential	540000	583665
R662	Residential	540501	582629
R666	Residential	540942	582797
R669	Residential	540254	582786
R670	Residential	540464	582789
R671	Residential	541607	583423
R672	Residential	541867	583047
R690	Residential	543658	584997
R691	Residential	542717	586348
R692	Residential	544338	584320
R693	Residential	544567	584117
R695	Residential and Commercial	536466	580705
R696	Residential	536494	580928
R697	Residential	536490	580924
R698	Residential	536482	580918
R699	Residential	536478	580913
R700	Residential	536472	580903
R701	Residential	536471	580897
R702	Residential	536505	580935
R703	Residential	536512	580937
R704	Residential	536521	580942
R705	Residential	536527	580952
R706	Residential	536447	580865
R707	Residential	536427	580860
R708	Residential	536534	580568
R709	Residential	536667	581388
R710	Residential	536979	581661

Receptor ID	Description	Easting	Northing
R711	Residential	537213	582086
R712	Residential	538031	582787
R713	Residential	537986	582849
R714	Residential	538494	582822
R715	Residential	539075	583306
R716	Residential and Commercial	539103	583385
R717	Residential	539069	583416
R718	Residential	539044	583455
R719	Residential	538991	583409
R720	Residential	538979	583531
R721	Residential	537084	584614
R721	Residential	537074	584569
R722	Residential	536883	579103
R728	Residential	544395	588113
R729	Residential	542333	588345
R733	Residential	536239	580882
R734	Residential	536292	580913
R735	Residential	536264	580994
R736	Residential	536274	581027
R737	Residential	536302	581040
R738	Residential	536323	581012
R739	Residential	538562	582856
R740	Residential	538866	583986
R741	Residential	538192	584189
R742	Residential	538137	584219
R743	Residential	536624	579324
R744	Residential	537103	579520
R745	Residential	535896	585334
R745	Residential	535924	585376
R746	Residential	537196	579485
R748	Residential	541672	584156
R749	Residential	537303	579771
R751	Residential	542420	587689
R752	Residential	536349	578621
R755	Residential	538623	579225
R761	Residential	537970	582746
R762	Residential	538595	584015
R766	Residential and Commercial	543529	584718
R771	Residential and Commercial	543738	589061
R775	Residential	536439	580862
R776	Residential	536418	580860

Receptor ID	Description	Easting	Northing
R777	Residential	537954	583011
R778	Residential	544691	587841
R782	Residential	537903	577624
R801	Residential and Commercial	541373	583797
R802	Residential	541280	583591
R803	Residential and Commercial	541005	583184
R806	Residential	540342	583904
R807	Residential	540001	583734
R808	Residential	538144	581131
R813	Residential	543725	584455
R814	Residential	542229	586271
R815	Residential	544414	584395
R820	Residential and Commercial	537587	582497
R821	Residential	536903	579036
R822	Residential	536043	579576
R823	Residential	536283	580973
R824	Residential	536327	580983
R826	Residential	536097	580690
R827	Residential	537355	582509
R828	Residential	539141	583678
R829	Residential	539834	582895
R830	Residential	537618	580607
R831	Residential	544118	584069
R832	Residential	538781	579096
R839	Residential and Commercial	541362	583083
R842	Residential	541498	583426
R843	Residential	540752	583406
R844	Residential and Commercial	541332	583026
R845	Residential and Commercial	541306	583028
R846	Residential and Commercial	541332	583026
R847	Residential and Commercial	541332	583026
R849	Residential	540346	582684
R850	Residential and Commercial	540405	582642
R853	Residential and Commercial	541882	584033
R854	Residential	540034	583916
R855	Residential	540054	583680

Receptor ID	Description	Easting	Northing
R856	Residential	540010	583807
R935	Residential	542391	587830
R936	Residential	541900	588150
R937	Residential	542282	588303
R938	Residential and Commercial	542472	588469
R939	Residential	542644	588719
R940	Residential and Commercial	542691	588878
R941	Residential and Commercial	543166	585687
R942	Residential	542415	587667
R943	Residential and Commercial	542535	587505
R944	Residential	543018	584839
R945	Residential and Commercial	543096	583893
R951	Residential	544301	584326
R952	Residential	543481	584772
R953	Residential	544074	584160
R954	Residential	544494	584127
R955	Residential	544686	584163
R957	Residential	544028	584314
R958	Residential	544068	584342
R959	Residential	544360	584314
R960	Residential	543499	584814
R961	Residential	542583	584144
R971	Residential	538280	580928
R972	Residential and Commercial	535876	580654
R988	Residential	538798	577901
R989	Residential	538241	578851
R990	Residential and Commercial	538216	578890
R991	Residential and Commercial	536546	577965
R992	Residential and Commercial	536380	578107
R993	Residential and Commercial	535899	578338
R994	Residential	536836	579072
R995	Residential	537444	580285
R996	Residential	537452	580366
R997	Residential	537654	580741
R998	Residential	536583	581093
R999	Residential	536618	581060

Receptor ID	Description	Easting	Northing
R1000	Residential and Commercial	536549	581000
R1001	Residential and Commercial	536453	580757
R1002	Commercial	536461	581058
R1003	Commercial	536503	581041
R1004	Residential	536455	580991
R1005	Residential and Commercial	536332	581284
R1006	Residential	536366	581235
R1007	Residential	536395	581132
R1008	Residential	536399	581122
R1009	Residential	536372	580997
R1010	Residential	536150	580823
R1016	Residential	537758	576893
R1017	Residential	537363	577381
R1018	Residential	537082	577350
R1019	Residential	537011	577534
R1039	Residential and Commercial	538460	577141
R1040	Residential	537748	581653
R1041	Residential	536854	581454
R1042	Residential	536587	581619
R1043	Residential and Commercial	536670	581509
R1044	Residential	537176	581902
R1045	Residential	537219	582019
R1046	Residential and Commercial	537762	582586
R1047	Residential	537933	582723
R1048	Residential	537855	583159
R1049	Residential	537882	583081
R1050	Residential and Commercial	537844	584370
R1051	Residential	537752	584386
R1052	Residential	536168	585177
R1052	Residential	536145	585135
R1053	Residential and Commercial	535672	585607
R1053	Residential and Commercial	535628	585575
R1054	Residential	538427	582805
R1058	Residential	536011	579503
R1059	Residential	536184	578083
R1060	Residential and Commercial	537165	579413

Receptor ID	Description	Easting	Northing
R1061	Residential	537469	580577
R1062	Residential and Commercial	536743	581112
R1063	Residential and Commercial	536575	581030
R1064	Residential	536544	581048
R1065	Residential	536320	581249
R1066	Residential	536397	581127
R1067	Commercial	536403	581021
R1067	Commercial	536412	581058
R1068	Commercial	536399	580960
R1076	Residential	536196	581690
R1077	Residential and Commercial	536139	581453
R1078	Residential	536315	581306
R1079	Residential	537726	581415
R1080	Residential and Commercial	537735	581475
R1081	Residential	537188	581989
R1082	Residential	538842	582965
R1084	Residential	537557	577085
R1087	Residential and Commercial	535551	588736
R1089	Residential	536402	581117
R1093	Residential	537140	581951
R1095	Residential and Commercial	536244	578087
R1096	Residential	536512	580882
R1100	Residential	543531	585120
R1105	Residential	538816	579214
R1109	Residential	538175	582708
R1110	Residential	544366	584376
R1112	Residential	538079	582829
R1114	Residential	536551	580908
R1115	Residential	536501	580874
R1116	Residential	536472	580886
R1117	Residential	536474	580877
R1118	Residential	536483	580866
R1125	Residential	544553	584347
R1127	Residential	536140	580728
R1128	Residential	536192	581326
R1129	Residential	536154	581506
R1130	Commercial	537544	579347
R1131	Commercial	538161	588575
R1132	Commercial	543000	586094

Receptor ID	Description	Easting	Northing
R1134	Commercial	538125	579531
R1135	Residential	541878	588036
R1137	Residential	538289	580958
R1160	Residential	535058	590113
R1167	Residential and Commercial	535066	590020
R1178	Residential and Commercial	534676	590640
R1180	Residential and Commercial	534210	589686
R1209	Residential and Commercial	535249	589836
R1227	Residential	534370	589299
R1241	Residential	535119	592057
R1246	Residential	534903	592074
R1344	Residential and Commercial	534774	591292
R1346	Residential	534451	590729
R1347	Residential	535061	590629
R1357	Residential	534584	590164
R1389	Residential	534987	591397
R1390	Residential	535027	591275
R1391	Residential	535335	590967
R1398	Residential	535249	592049
R1399	Residential	535004	592252
R1502	Residential	542845	593119
R1503	Residential	543189	592641
R1504	Residential and Commercial	536291	590950
R1505	Residential	540109	592464
R1506	Residential	540548	592427
R1507	Residential	540508	592416
R1508	Residential	540835	592393
R1509	Residential	541081	592519
R1510	Residential	541073	592517
R1511	Residential	542702	591175
R1512	Residential	542742	591287
R1513	Residential and Commercial	543569	592939
R1514	Commercial	543475	592627
R1515	Residential and Commercial	544155	590980
R1516	Residential	542999	589476
R1517	Residential	543372	590327
R1518	Residential	543212	590023

Receptor ID	Description	Easting	Northing
R1519	Residential and Commercial	538574	591903
R1520	Residential	539459	592096
R1521	Residential	540915	593339
R1522	Residential	541161	592539
R1523	Residential	541157	592542
R1524	Residential	541133	592532
R1525	Residential	541129	592532
R1526	Residential	541834	592420
R1527	Residential	540461	592332
R1528	Residential	541782	592342
R1529	Residential	542732	591299
R1530	Residential	542727	591305
R1531	Residential	542725	591311
R1532	Residential	542721	591316
R1533	Residential	542719	591328
R1534	Residential	542716	591335
R1535	Residential	542820	591462
R1536	Residential	542880	591372
R1537	Residential	542340	592041
R1539	Residential	536102	591258
R1540	Residential and Commercial	536696	590575
R1541	Residential	536688	590469
R1542	Residential	537220	589420
R1548	Residential	543495	593938
R1549	Residential	543990	593660
R1550	Residential	544272	593497
R1551	Residential	543717	593335
R1552	Residential	543599	593420
R1555	Residential	539923	593110
R1556	Residential	539773	593084
R1557	Residential	539829	592809
R1558	Residential	540158	592424
R1559	Residential	540032	592254
R1560	Residential	540208	592418
R1561	Residential	540480	592250
R1562	Residential and Commercial	543037	592228
R1563	Residential	542391	590788
R1564	Residential	543766	590115
R1565	Residential	540202	593333
R1566	Residential	539086	592987
R1567	Residential	539113	592601

Receptor ID	Description	Easting	Northing
R1568	Residential	535940	593175
R1570	Residential	537334	593717
R1571	Residential	537268	594321
R1572	Residential	536801	593890
R1574	Residential	541117	592528
R1575	Residential	540655	592385
R1576	Residential	540687	592392
R1577	Residential	540719	592399
R1578	Residential and Commercial	541452	591177
R1579	Residential and Commercial	541886	592193
R1581	Commercial	540217	592249
R1582	Residential	541055	592513
R1583	Residential	541338	592525
R1584	Residential	542729	591366
R1585	Residential	542831	591506
R1586	Residential	542448	590832
R1587	Residential	541857	590467
R1588	Residential	541141	589775
R1589	Residential	541189	589917
R1590	Residential and Commercial	540949	590294
R1591	Residential and Commercial	543987	590293
R1592	Residential and Commercial	543404	590223
R1593	Residential and Commercial	543234	590043
R1594	Residential and Commercial	542856	589614
R1595	Residential	543018	589442
R1596	Residential	540532	592352
R1597	Residential	540104	592323
R1598	Residential	540453	592187
R1599	Commercial	540538	592144
R1600	Residential	540497	592138
R1601	Residential	540672	591708
R1602	Residential	540530	592635
R1603	Residential	540655	593280
R1604	Residential	540639	593520
R1605	Residential	539336	592145
R1606	Residential	538715	593037
R1607	Residential	538538	593003
R1608	Residential	538355	592853

Receptor ID	Description	Easting	Northing
R1609	Residential	537860	593158
R1610	Residential	537527	593205
R1611	Residential	537281	593205
R1612	Residential	537184	593250
R1614	Residential	537032	593044
R1615	Residential	537141	593038
R1616	Residential	536487	592898
R1617	Residential	536019	593151
R1618	Residential	535883	593197
R1621	Residential	540576	591714
R1631	Residential	544137	593708
R1632	Residential	544247	593540
R1633	Residential	544621	593135
R1634	Residential	543937	593065
R1640	Residential	544005	593704
R1641	Residential and Commercial	544919	592989
R1642	Residential	543836	593286
R1643	Residential and Commercial	542797	593070
R1644	Residential	541550	592585
R1645	Residential	542225	591069
R1646	Residential	540058	592022
R1647	Residential	539883	591999
R1648	Residential	537098	594126
R1652	Residential	540978	592524
R1653	Residential	540970	592559
R1654	Residential	540954	592561
R1655	Residential	540915	592575
R1656	Residential	540882	592572
R1657	Residential	540940	592654
R1658	Residential	540922	592655
R1659	Residential	540891	592653
R1660	Residential	540873	592650
R1661	Residential	540851	592645
R1662	Residential	540824	592642
R1663	Residential	540836	592644
R1664	Residential	540859	592646
R1665	Residential	540866	592648
R1666	Residential	540884	592652
R1667	Residential	540897	592654
R1668	Residential	540906	592655
R1669	Residential	540913	592656
R1670	Residential	540931	592655

Receptor ID	Description	Easting	Northing
R1671	Residential	540944	592600
R1672	Residential	540926	592601
R1673	Residential	540966	592572
R1674	Residential	540987	592676
R1675	Residential	540984	592688
R1676	Residential	540982	592700
R1677	Residential	541012	592613
R1678	Residential	540987	592602
R1679	Residential	540993	592595
R1680	Residential	540993	592583
R1681	Residential	540996	592578
R1682	Residential	541001	592569
R1683	Residential	541003	592562
R1684	Residential	541021	592542
R1685	Residential	541023	592543
R1686	Residential	541028	592533
R1687	Residential	535619	591739
R1688	Residential	536056	591344
R1689	Residential	536725	590980
R1690	Residential	538392	590340
R1691	Residential and Commercial	536578	591879
R1692	Residential and Commercial	536514	591796
R1700	Residential	542788	591408
R1701	Residential	540994	589828
R1702	Residential and Commercial	543132	589430
R1703	Residential	540651	592281
R1704	Residential	540228	593259
R1706	Residential	541119	592632
R1707	Residential	541146	592640
R1708	Residential	541182	592606
R1709	Residential	541205	592611
R1710	Residential	541224	592620
R1711	Residential	541221	592651
R1712	Residential	541214	592673
R1713	Residential	541208	592693
R1715	Residential	541884	592288
R1716	Commercial	535837	593110
R1717	Residential	542278	590785
R1720	Residential	539511	590241
R1721	Residential	536798	590653
R1722	Residential	543032	590740

Receptor ID	Description	Easting	Northing
R1723	Residential	542490	590973
R1726	Residential	540073	592611
R1730	Residential	536654	590964
R1731	Residential	538781	592173
R1735	Residential	540267	593333
R1736	Residential	537627	593099
R1738	Residential	540966	592576
R1739	Residential	540870	592603
R1740	Residential	540858	592620
R1750	Residential and Commercial	542477	591808
R1751	Residential	542368	592002
R1752	Commercial	542657	591235
R1753	Residential and Commercial	542675	591226
R1754	Residential	542682	591266
R1755	Residential	542713	591344
R1756	Residential	542706	591346
R1757	Residential	542577	591345
R1758	Residential	542269	591670
R1759	Residential	542548	591052
R1760	Residential	541939	590520
R1761	Residential	542377	590850
R1762	Residential and Commercial	542270	590969
R1763	Residential and Commercial	542122	591267
R1764	Residential	541465	590102
R1765	Residential	541512	589583
R1766	Residential	540760	589916
R1770	Residential	540576	593638
R1771	Residential	540663	593638
R1772	Residential	540629	593432
R1773	Residential	540578	593352
R1774	Residential	540597	593166
R1775	Residential	540614	592384
R1776	Residential	540592	592444
R1777	Residential	540266	592414
R1778	Residential and Commercial	540001	592279
R1779	Residential and Commercial	540049	591720
R1804	Residential	543310	592717
R1805	Residential and Commercial	542741	593122

Receptor ID	Description	Easting	Northing
R1806	Residential and Commercial	542723	592624
R1807	Residential and Commercial	542798	592785
R1808	Residential	542591	592262
R1809	Residential	542673	592315
R1810	Residential	542688	592337
R1811	Residential	542932	592533
R1812	Residential	541956	592060
R1813	Residential	541947	592140
R1814	Residential	541913	592163
R1815	Residential	541863	592326
R1816	Residential	541783	592467
R1817	Residential	541752	592496
R1818	Residential and Commercial	541743	592581
R1819	Residential	541819	592600
R1820	Residential	541435	592549
R1821	Residential	541380	592533
R1822	Residential	541237	592505
R1823	Residential	541182	592501
R1824	Commercial	541201	592548
R1825	Residential	541061	592515
R1826	Commercial	541113	592442
R1827	Commercial	541115	592442
R1828	Residential	541109	592527
R1829	Residential	541092	592523
R1830	Residential	541100	592524
R1831	Residential and Commercial	541041	592513
R1832	Residential	540929	592458
R1833	Residential	541032	592467
R1834	Commercial	540901	592524
R1835	Residential	540762	592477
R1836	Residential	540502	592180
R1837	Residential	540755	593287
R1838	Residential	540790	593388
R1839	Residential	540892	593559
R1842	Residential	543196	589301
R1843	Residential	543764	590263
R1844	Residential and Commercial	544488	592635
R1845	Residential and Commercial	544222	593651
R1846	Residential	544491	592553

Receptor ID	Description	Easting	Northing
R1859	Residential and Commercial	543909	593162
R1860	Residential and Commercial	543075	591017
R1861	Residential	543274	590641
R1862	Residential and Commercial	538101	590871
R1863	Residential	538027	591057
R1864	Residential	537888	591168
R1865	Residential	537590	591433
R1866	Residential and Commercial	536368	592113
R1867	Residential and Commercial	536145	592098
R1868	Residential and Commercial	536064	592165
R1869	Residential	535550	592506
R1870	Residential and Commercial	535849	592696
R1871	Residential	535753	592814
R1872	Residential and Commercial	535707	592958
R1873	Residential	536087	593136
R1874	Residential	536053	593121
R1875	Residential	535971	593168
R1876	Residential	536083	593115
R1882	Residential	535798	592784
R1883	Residential	535858	593126
R1884	Residential	536106	593110
R1887	Residential and Commercial	538065	590351
R1888	Residential	536784	590694
R1889	Residential and Commercial	537116	590572
R1890	Residential	536945	590786
R1891	Residential and Commercial	536571	590523
R1892	Residential	536336	591227
R1893	Residential	536299	591236
R1894	Residential	536030	591362
R1895	Residential	535824	591382
R1896	Residential	536080	590185
R1897	Residential and Commercial	536664	589719
R1898	Residential	537151	589333
R1899	Residential	539443	593145

Receptor ID	Description	Easting	Northing
R1900	Residential and Commercial	539810	592038
R1903	Residential and Commercial	536934	590818
R1904	Residential	536530	591078
R1905	Residential	536087	591312
R1906	Residential	535733	591460
R1907	Residential and Commercial	538070	591071
R1908	Residential	537632	591312
R1911	Residential	539382	593453
R1912	Residential and Commercial	539669	592948
R1913	Residential	538663	593092
R1914	Residential and Commercial	539613	593135
R1915	Residential and Commercial	539634	593542
R1916	Residential	538716	591632
R1917	Residential	539346	592253
R1918	Residential	539037	592625
R1919	Residential and Commercial	538938	592866
R1920	Residential	539133	593035
R1926	Residential and Commercial	538869	593345
R1941	Residential	537592	592154
R1942	Residential	537428	592263
R1943	Residential	537173	592260
R1944	Residential and Commercial	537211	592645
R1945	Residential	537069	592699
R1946	Residential	537075	592776
R1947	Residential	537019	592780
R1948	Residential	536755	593129
R1949	Residential and Commercial	537280	593041
R1950	Residential and Commercial	536733	593493
R1951	Residential	536897	593877
R1952	Residential and Commercial	537385	593757
R1953	Residential	537540	594440
R1955	Residential and Commercial	537820	593159

Receptor ID	Description	Easting	Northing
R1956	Residential and Commercial	538163	593063
R1957	Residential and Commercial	538159	592990
R1958	Residential	537730	592463
R1959	Residential and Commercial	537982	592582
R1960	Residential and Commercial	538341	593334
R1961	Residential	538535	593365
R1962	Residential	538885	593129
R1964	Residential and Commercial	536507	593833
R1965	Residential and Commercial	536267	593902
R1967	Residential and Commercial	536968	592413
R1968	Residential	536557	592942
R1969	Residential	537160	593296
R1970	Residential and Commercial	537578	594043
R1972	Residential	537961	593062
R1973	Residential and Commercial	537471	592546
R1974	Residential and Commercial	538286	593016
R1975	Residential	538919	593073
R1993	Residential and Commercial	537784	591819
R1994	Residential	537814	591860
R1995	Residential and Commercial	537766	592034
R1996	Residential	537422	592200
R1998	Residential	537517	594427
R2001	Residential	542606	591047
R2002	Commercial	543149	591014
R2004	Commercial	544651	589794
R2005	Residential	537786	592057
R2276	Residential and Commercial	547151	585199
R2277	Residential and Commercial	546010	584793
R2293	Residential and Commercial	548190	589085
R2299	Residential	548813	587015
R2300	Residential	548611	586665
R2332	Residential	547753	588110

Receptor ID	Description	Easting	Northing
R2333	Residential	547534	588440
R2334	Residential	548872	588467
R2340	Residential	545413	589008
R2353	Residential	548713	586965
R2367	Residential	547649	588280
R2368	Residential	547513	588378
R2369	Residential	548923	588436
R2376	Residential	548189	588567
R2413	Residential	548127	585570
R2415	Residential	547569	585482
R2416	Residential	547105	585780
R2421	Residential	546941	585198
R2422	Residential	546772	585346
R2423	Residential	546688	585479
R2424	Residential	546544	585438
R2425	Residential	546561	585510
R2426	Residential	546508	585254
R2427	Residential	546584	585295
R2428	Residential and Commercial	545680	585780
R2429	Residential	545696	585575
R2430	Residential and Commercial	545933	585215
R2431	Residential	545946	584623
R2435	Residential	546862	585007
R2447	Residential	547101	586685
R2448	Residential and Commercial	547210	586917
R2449	Residential	547093	587087
R2450	Residential and Commercial	546983	587149
R2451	Residential	546938	587209
R2456	Residential	545472	588990
R2459	Residential	548733	587001
R2462	Residential	547938	588821
R2570	Residential and Commercial	546814	585349
R2574	Residential	547872	588295
R2575	Residential	547847	588015
R2579	Residential	545769	584893
R2583	Residential	545332	589041
R2594	Residential	546842	585534
R2595	Residential	546651	585058
R2597	Residential	547949	588208
R2630	Residential	546203	585545

Receptor ID	Description	Easting	Northing
R2631	Residential	546723	585396
R2632	Residential	546761	585359
R2633	Residential	546921	585326
R2634	Residential	547211	585198
R2635	Residential	547266	585233
R2636	Residential and Commercial	547326	585263
R2637	Residential	546474	585286
R2638	Residential	546548	585271
R2639	Residential	548189	585592
R2640	Residential	547417	585304
R2641	Residential	547039	585996
R2691	Residential	548853	587237
R2700	Residential and Commercial	548773	588378
R2701	Residential and Commercial	548527	588415
R2702	Residential and Commercial	547788	587953
R2703	Residential	545583	588976
R2787	Residential	546817	584935
R2788	Residential	545617	585225
R2789	Residential and Commercial	545635	584864
R2790	Residential	545976	584683
R2806	Residential	546040	584608
R2819	Residential	548776	588377
R2824	Residential	545337	584608
R2830	Residential	546821	584903
R2845	Residential	545236	589043
R2852	Residential and Commercial	545054	592967
R2854	Residential	545826	592752
R2862	Residential	545558	592815
R2867	Residential and Commercial	545154	593025
R2880	Residential	545351	592266
R2881	Residential	545683	592644
R2882	Residential	545796	592573
R2883	Residential and Commercial	545813	592956
R2884	Residential	546234	593508
R2885	Commercial	544984	593040
R2886	Residential	545041	592930
R2891	Residential	548363	590679

Receptor ID	Description	Easting	Northing
R2906	Residential	545824	592526
R2911	Residential	548686	590056
R2935	Residential	548682	590206
R2936	Residential	548476	590314
R2937	Residential and Commercial	548388	590739
R2938	Residential and Commercial	548464	590768
R2969	Residential	546441	592810
R2970	Residential	546021	593122
R2971	Residential	546173	593528
R2972	Residential	546190	593493
R2978	Residential and Commercial	545752	592362
R2979	Residential	545284	592244
R2981	Residential	545881	592778
R2982	Residential	545460	592896
R2983	Residential	545244	592898
R2984	Residential	548904	589878
R2986	Residential	545058	592844
R2988	Unknown	536078	581661
R2989	Unknown	537671	580834
R2991	Residential	536539	580899
R2992	Residential	536525	580891
R2993	Residential	539168	583258
R2994	Residential	538519	584079
R2995	Residential	538244	584186

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APPENDIX 7.4

Sound Power Level Data For Wind Turbines

Table 7.4.1: Wind Turbine (Siemens Gamesa SG 6.0-155) - Sound Power Data Referenced to Hub Height

Wind Speed (m/s)	3	4	5	6	7	8	9	10	11	12	Up to cut-out
AM-0	92	92	94.8	98.8	102.1	105	105	105	105	105	105
N1	92	92	94.8	98.8	102.1	104	104	104	104	104	104
N2	92	92	94.8	98.8	102.1	103.5	103.5	103.5	103.5	103.5	103.5
N3	92	92	94.8	98.8	102	102	102	102	102	102	102
N4	92	92	94.8	98.8	101	101	101	101	101	101	101
N5	92	92	94.8	98.8	100	100	100	100	100	100	100
N6	92	92	94.8	98.8	99	99	99	99	99	99	99

Table 7.4.2: Wind Turbine (Siemens Gamesa SG 6.0-155) – Typical 1/1 octave band spectrum for 63 Hz to 8 kHz.

1/1 oct. band, center freq.	63	125	250	500	1000	2000	4000	8000
AM 0	84.6	92	96.6	98.9	98.7	99	92.4	77.4
N1	84	91.1	95.6	97.9	97.7	98	91.4	76.4
N2	83.8	90.7	95.1	97.4	97.2	97.5	90.9	75.9
N3	83	89.3	93.6	95.9	95.7	96	89.4	74.4
N4	82.5	88.3	92.6	94.9	94.7	95	88.4	73.4
N5	82	87.4	91.6	93.9	93.7	94	87.4	72.4
N6	81.4	86.3	90.5	92.8	92.6	92.9	86.3	71.3

Table 7.4.3: Wind Turbine (Nordex N149 with TES) Third Octave Band Sound Power Levels at Standardised 10m Height Wind Speeds – Hub Height 120 m

Frequency	3m/s	4m/s	5m/s	6m/s	7m/s	8m/s	9m/s	10m/s	11m/s	12m/s
10Hz	37.6	39.1	42.6	47.1	48.1	48.5	48.5	48.5	48.5	48.4
12.5Hz	42.4	43.9	47.5	52.0	53.0	53.3	53.3	53.3	53.3	53.3
16Hz	47.0	48.5	52.1	56.6	57.6	57.9	57.9	57.9	57.9	57.9
20Hz	51.4	52.9	56.4	60.9	61.9	62.3	62.3	62.3	62.3	62.3
25Hz	55.8	57.3	60.8	65.3	66.3	66.2	66.2	66.2	66.2	66.2
31.5Hz	59.9	61.4	65.3	69.8	70.8	71.7	71.7	71.7	71.7	71.7
40Hz	65.8	67.3	69.7	74.2	75.2	75.3	75.3	75.3	75.3	75.3
50Hz	67.0	68.5	73.0	77.5	78.5	80.4	80.4	80.4	80.4	80.4
63Hz	71.9	73.4	75.5	80.0	81.0	81.7	81.7	81.7	81.7	81.7
80Hz	74.8	76.3	79.2	83.7	84.7	84.5	84.5	84.5	84.5	84.5
100Hz	75.8	77.3	81.2	85.7	86.7	89.2	89.2	89.2	89.2	89.2
125Hz	78.0	79.5	82.2	86.7	87.7	87.7	87.7	87.7	87.7	87.7
160Hz	81.3	82.8	85.2	89.7	90.7	89.0	89.0	89.0	89.0	89.0
200Hz	80.4	81.9	85.2	89.7	90.7	90.3	90.3	90.3	90.3	90.3
250Hz	81.7	83.2	86.7	91.2	92.2	91.2	91.2	91.2	91.2	91.2
315Hz	82.9	84.4	88.3	92.8	93.8	94.5	94.5	94.5	94.5	94.5
400Hz	83.3	84.8	88.6	93.1	94.1	94.1	94.1	94.1	94.1	94.1
500Hz	82.0	83.5	88.3	92.8	93.8	94.3	94.3	94.3	94.3	94.3
630Hz	83.2	84.7	89.9	94.4	95.4	96.3	96.3	96.3	96.3	96.3
800Hz	82.5	84.0	89.5	94.0	95.0	95.4	95.4	95.4	95.4	95.4
1000Hz	83.8	85.3	90.9	95.4	96.4	96.2	96.2	96.2	96.2	96.2
1250Hz	83.4	84.9	90.4	94.9	95.9	95.5	95.5	95.5	95.5	95.5
1600Hz	82.9	84.4	90.1	94.6	95.6	94.5	94.5	94.5	94.5	94.5
2000Hz	81.4	82.9	88.4	92.9	93.9	93.3	93.3	93.3	93.3	93.3
2500Hz	79.1	80.6	86.0	90.5	91.5	91.3	91.3	91.3	91.3	91.3
3150Hz	76.9	78.4	81.8	86.3	87.3	88.6	88.6	88.6	88.6	88.6
4000Hz	76.8	78.3	77.0	81.5	82.5	84.6	84.6	84.6	84.6	84.6
5000Hz	72.2	73.7	74.6	79.1	80.1	79.8	79.8	79.8	79.8	79.8
6300Hz	68.5	70.0	73.0	77.5	78.5	79.6	79.6	79.6	79.6	79.6
8000Hz	66.6	68.1	70.9	75.4	76.4	77.7	77.7	77.7	77.7	77.7
10000Hz	62.7	64.2	67.0	71.5	72.5	73.5	73.5	73.5	73.5	73.5
LwA	94	95.5	100.1	104.6	105.6	105.6	105.6	105.6	105.6	105.6

Table 7.4.4: Wind Turbine (Vestas V150 5.6) – One-third Octave Band Data – Mode 0

Frequency	3m/s	4m/s	5m/s	6m/s	7m/s	8m/s	9m/s	10m/s	11m/s	12m/s	13m/s	14m/s	15m/s	16m/s	17m/s	18m/s	19m/s	20m/s
20Hz	47.3	47	49.2	52	55.2	57.7	58.2	58.3	59.5	60.9	61.2	61.1	61	60.5	60	59.4	58.7	57.3
25Hz	51.8	51.7	53.9	56.7	59.8	62.3	62.9	63	64.2	65.4	65.7	65.6	65.4	65	64.5	64	63.3	62
31.5Hz	56.2	56.1	58.3	61.1	64.2	66.8	67.5	67.6	68.7	69.7	69.9	69.9	69.7	69.3	68.9	68.3	67.7	66.5
40Hz	60.3	60.4	62.6	65.4	68.5	71.1	71.8	71.9	73	73.9	74	73.9	73.8	73.4	73	72.5	71.9	70.8
50Hz	63.8	64	66.2	69	72.1	74.7	75.5	75.6	76.7	77.4	77.5	77.4	77.3	76.9	76.5	76.1	75.5	74.5
63Hz	67.2	67.4	69.6	72.4	75.5	78.1	79	79.1	80.1	80.7	80.8	80.7	80.5	80.2	79.9	79.4	79	78.1
80Hz	70.3	70.5	72.8	75.6	78.7	81.3	82.3	82.4	83.3	83.8	83.9	83.7	83.6	83.3	83	82.6	82.2	81.4
100Hz	72.8	73.2	75.4	78.2	81.3	83.9	85	85.1	86	86.4	86.4	86.3	86.1	85.8	85.6	85.2	84.8	84.1
125Hz	75	75.4	77.7	80.5	83.6	86.2	87.3	87.4	88.3	88.6	88.6	88.5	88.3	88.1	87.8	87.5	87.2	86.6
160Hz	77.1	77.6	79.8	82.6	85.7	88.4	89.5	89.6	90.5	90.7	90.7	90.6	90.4	90.2	90	89.8	89.5	89
200Hz	78.7	79.2	81.4	84.2	87.3	90	91.2	91.3	92.1	92.3	92.2	92.1	92	91.8	91.6	91.4	91.2	90.8
250Hz	79.9	80.4	82.7	85.5	88.6	91.3	92.5	92.6	93.4	93.5	93.5	93.4	93.3	93.1	93	92.8	92.6	92.3
315Hz	80.9	81.4	83.7	86.5	89.6	92.3	93.5	93.6	94.5	94.5	94.4	94.3	94.3	94.1	94	93.9	93.8	93.5
400Hz	81.5	82.1	84.3	87.1	90.2	92.9	94.2	94.3	95.1	95.1	95	95	94.9	94.9	94.8	94.7	94.6	94.5
500Hz	81.8	82.3	84.6	87.4	90.5	93.2	94.5	94.6	95.4	95.4	95.3	95.3	95.3	95.2	95.2	95.2	95.1	95
630Hz	81.7	82.2	84.5	87.3	90.4	93.1	94.5	94.6	95.4	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
800Hz	81.3	81.8	84.1	86.9	90	92.7	94.1	94.2	94.9	94.9	94.9	94.9	94.9	95	95	95.1	95.1	95.2
1kHz	80.5	81	83.3	86.2	89.3	92	93.4	93.5	94.2	94.1	94.2	94.2	94.3	94.4	94.4	94.5	94.6	94.8
1.25kHz	79.5	79.9	82.3	85.1	88.2	90.9	92.3	92.4	93.2	93.1	93.1	93.2	93.3	93.5	93.6	93.7	93.9	94.1
1.6kHz	77.9	78.4	80.7	83.5	86.6	89.4	90.7	90.8	91.6	91.6	91.6	91.8	91.9	92.1	92.3	92.5	92.7	93
2kHz	76.2	76.6	78.9	81.8	84.9	87.6	89	89.1	89.9	89.9	90	90.2	90.3	90.6	90.8	91	91.2	91.6
2.5kHz	74.2	74.5	76.8	79.7	82.8	85.6	86.9	87	87.8	87.8	88	88.2	88.4	88.7	89	89.2	89.5	90
3.15kHz	71.7	72	74.3	77.2	80.3	83.1	84.4	84.5	85.3	85.4	85.6	85.9	86.1	86.5	86.8	87.1	87.4	88
4kHz	68.9	69	71.4	74.2	77.4	80.1	81.5	81.6	82.3	82.5	82.8	83.1	83.4	83.8	84.1	84.5	84.9	85.5
5kHz	65.8	65.9	68.3	71.1	74.3	77.1	78.3	78.4	79.3	79.5	79.8	80.2	80.5	81	81.4	81.8	82.2	82.9
6.3kHz	62.4	62.4	64.7	67.6	70.8	73.5	74.8	74.9	75.7	76	76.4	76.9	77.2	77.8	78.2	78.7	79.1	79.9
8kHz	58.4	58.3	60.7	63.6	66.8	69.5	70.7	70.8	71.7	72.1	72.6	73.1	73.5	74.1	74.6	75.1	75.6	76.5
10kHz	54.4	54.2	56.6	59.5	62.7	65.4	66.6	66.7	67.6	68.1	68.6	69.2	69.6	70.4	70.9	71.4	72	72.9
A-wgt	91.3	91.8	94.1	96.9	100	102.7	104	104.1	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9

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APPENDIX 7.5

Predicted Noise Levels From Ballinagree Wind Farm at Nearby Sensitive Locations

Table 7.5.1 presents the predicted noise levels (L_{A90}) from wind turbines for the proposed Ballinagree Wind Farm at noise sensitive locations for Standardised 10m height wind speeds of 3 m/s to 9 m/s. The numbering is not sequential as only the noise sensitive locations within the 35 dB L_{A90} noise contour are presented. Commercial receptors, derelict and uninhabited dwellings were not considered.

Table 7.5.1: Predicted noise levels (L_{A90}) from Ballinagree Wind Farm at Noise Sensitive Locations for Standardised 10m Wind Speeds of 2 m/s to 8 m/s

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R45	Residential	25.7	27.9	31.3	36.1	38.3	39.2	39.4
R48	Residential	20.5	22.7	25.9	30.7	32.9	33.8	34.0
R49	Residential and Commercial	26.0	28.2	31.6	36.4	38.6	39.5	39.7
R61	Residential	20.4	22.6	25.8	30.6	32.8	33.7	33.9
R65	Residential and Commercial	7.9	10.9	13.0	17.8	20.0	21.2	21.3
R66	Residential	9.0	11.9	14.1	18.9	21.1	22.2	22.4
R90	Residential	12.7	15.3	17.9	22.7	24.9	25.9	26.1
R95	Residential and Commercial	15.1	17.6	20.4	25.2	27.4	28.3	28.5
R96	Residential	15.3	17.8	20.5	25.3	27.5	28.5	28.7
R97	Residential	14.8	17.3	20.0	24.8	27.0	28.0	28.2
R120	Residential	13.8	16.4	19.1	23.9	26.1	27.0	27.2
R122	Residential and Commercial	15.2	17.7	20.4	25.2	27.4	28.4	28.6
R144	Residential	20.1	22.4	25.5	30.3	32.5	33.4	33.6
R145	Residential	20.0	22.2	25.3	30.1	32.3	33.3	33.5
R146	Residential	20.9	23.1	26.3	31.1	33.3	34.2	34.4
R147	Residential	24.0	26.2	29.5	34.3	36.5	37.4	37.6
R148	Residential	21.9	24.2	27.3	32.1	34.3	35.3	35.5
R149	Residential	25.3	27.5	30.9	35.7	37.9	38.8	39.0
R150	Residential	25.1	27.3	30.6	35.4	37.6	38.6	38.7
R151	Residential	22.2	24.5	27.6	32.4	34.6	35.6	35.8
R176	Residential	21.7	24.0	27.1	31.9	34.1	35.1	35.3
R180	Residential	13.4	15.9	18.5	23.3	25.5	26.5	26.7
R197	Residential	22.5	24.7	27.9	32.7	34.9	35.8	36.0

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R274	Residential and Commercial	6.7	9.8	11.8	16.6	18.8	20.0	20.2
R287	Residential	7.9	10.9	13.0	17.8	20.0	21.2	21.3
R288	Residential and Commercial	7.8	10.8	12.9	17.7	19.9	21.1	21.3
R288	Residential and Commercial	7.9	10.9	13.0	17.8	20.0	21.2	21.4
R312	Residential	7.7	10.8	12.8	17.6	19.8	21.0	21.2
R369	Residential and Commercial	25.8	28.0	31.4	36.2	38.4	39.3	39.5
R370	Residential	25.2	27.4	30.8	35.6	37.8	38.7	38.9
R371	Residential and Commercial	24.0	26.2	29.5	34.3	36.5	37.5	37.7
R383	Residential	20.0	22.3	25.4	30.2	32.4	33.3	33.5
R386	Residential	17.9	20.2	23.2	28.0	30.2	31.2	31.4
R402	Residential and Commercial	21.5	23.7	26.9	31.7	33.9	34.8	35.0
R403	Residential	21.8	24.1	27.2	32.0	34.2	35.2	35.4
R404	Residential and Commercial	25.5	27.8	31.1	35.9	38.1	39.0	39.2
R405	Residential	25.9	28.1	31.4	36.2	38.4	39.4	39.5
R408	Residential and Commercial	22.0	24.2	27.4	32.2	34.4	35.4	35.5
R429	Residential	13.9	16.4	19.1	23.9	26.1	27.1	27.3
R430	Residential	14.1	16.7	19.3	24.1	26.3	27.3	27.5
R431	Residential	12.8	15.4	18.0	22.8	25.0	26.0	26.2
R432	Residential and Commercial	12.6	15.2	17.8	22.6	24.8	25.8	26.0
R433	Residential	15.2	17.7	20.4	25.2	27.4	28.4	28.6
R436	Residential	15.3	17.8	20.6	25.4	27.6	28.6	28.7
R437	Residential	13.2	15.8	18.4	23.2	25.4	26.4	26.6
R480	Residential and Commercial	8.0	11.0	13.1	17.9	20.1	21.3	21.5
R481	Residential	7.6	10.7	12.7	17.5	19.7	20.9	21.1
R482	Residential	16.2	18.6	21.5	26.3	28.5	29.5	29.7
R496	Residential	10.9	13.9	16.1	20.9	23.1	24.2	24.4

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R510	Residential and Commercial	20.9	23.1	26.2	31.0	33.2	34.2	34.3
R511	Residential	22.0	24.3	27.3	32.1	34.3	35.2	35.4
R513	Residential and Commercial	15.1	17.5	20.4	25.2	27.4	28.4	28.6
R519	Residential	19.0	21.4	24.4	29.2	31.4	32.4	32.6
R520	Residential	19.1	21.4	24.4	29.2	31.4	32.4	32.6
R521	Residential	19.0	21.3	24.3	29.1	31.3	32.3	32.4
R522	Residential and Commercial	18.5	20.9	23.8	28.6	30.8	31.8	31.9
R535	Residential	14.0	16.7	19.2	24.0	26.2	27.2	27.4
R536	Residential	13.8	16.5	19.0	23.8	26.0	27.0	27.2
R537	Residential and Commercial	18.6	21.0	23.9	28.7	30.9	31.9	32.0
R568	Residential and Commercial	17.8	20.2	23.1	27.9	30.1	31.1	31.3
R569	Residential and Commercial	17.8	20.2	23.1	27.9	30.1	31.1	31.3
R570	Residential and Commercial	18.6	20.9	23.9	28.7	30.9	31.9	32.1
R571	Residential	22.6	24.9	28.1	32.9	35.1	36.0	36.2
R572	Residential	23.9	26.1	29.4	34.2	36.4	37.3	37.5
R573	Residential	23.2	25.4	28.6	33.4	35.6	36.6	36.8
R584	Residential	10.8	13.7	15.9	20.7	22.9	24.1	24.3
R592	Residential and Commercial	19.7	22.0	25.0	29.8	32.0	32.9	33.1
R593	Residential and Commercial	19.3	21.7	24.6	29.4	31.6	32.5	32.7
R594	Residential	18.9	21.3	24.2	29.0	31.2	32.1	32.3
R595	Residential	16.0	18.5	21.2	26.0	28.2	29.1	29.3
R596	Residential	15.1	17.7	20.2	25.0	27.2	28.3	28.4
R597	Residential	7.2	10.2	12.3	17.1	19.3	20.5	20.7
R598	Residential	11.0	13.6	16.2	21.0	23.2	24.2	24.4
R599	Residential	11.7	14.3	16.9	21.7	23.9	24.9	25.1
R600	Residential	13.9	16.4	19.1	23.9	26.1	27.1	27.3
R608	Residential and Commercial	8.1	11.2	13.2	18.0	20.2	21.5	21.7

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R616	Residential	16.2	18.6	21.5	26.3	28.5	29.5	29.7
R621	Residential	11.6	14.5	16.8	21.6	23.8	24.9	25.1
R622	Residential	11.6	14.5	16.8	21.6	23.8	24.9	25.1
R623	Residential	11.5	14.3	16.6	21.4	23.6	24.7	24.9
R629	Residential	17.4	19.9	22.6	27.4	29.6	30.6	30.8
R639	Residential	17.7	20.1	22.9	27.7	29.9	30.9	31.1
R640	Residential	18.6	21.0	23.9	28.7	30.9	31.8	32.0
R659	Residential	18.2	20.6	23.4	28.2	30.4	31.4	31.6
R662	Residential	16.1	18.7	21.3	26.1	28.3	29.3	29.5
R666	Residential	14.9	17.5	20.1	24.9	27.1	28.1	28.3
R669	Residential	16.8	19.4	22.0	26.8	29.0	30.0	30.2
R670	Residential	16.3	18.9	21.5	26.3	28.5	29.5	29.7
R671	Residential	14.2	16.9	19.4	24.2	26.4	27.4	27.6
R672	Residential	12.8	15.6	18.0	22.8	25.0	26.0	26.2
R690	Residential	9.1	12.0	14.2	19.0	21.2	22.4	22.6
R691	Residential	11.5	14.2	16.7	21.5	23.7	24.7	24.9
R692	Residential	8.2	11.3	13.3	18.1	20.3	21.6	21.8
R693	Residential	7.3	10.4	12.4	17.2	19.4	20.7	20.8
R695	Residential and Commercial	18.6	20.9	23.9	28.7	30.9	31.9	32.0
R696	Residential	19.6	21.9	24.9	29.7	31.9	32.9	33.1
R697	Residential	19.6	21.9	24.9	29.7	31.9	32.9	33.1
R698	Residential	19.6	21.9	24.9	29.7	31.9	32.9	33.1
R699	Residential	19.6	21.9	24.9	29.7	31.9	32.9	33.0
R700	Residential	19.5	21.8	24.8	29.6	31.8	32.8	33.0
R701	Residential	19.5	21.8	24.8	29.6	31.8	32.8	32.9
R702	Residential	19.6	21.9	25.0	29.8	32.0	32.9	33.1
R703	Residential	19.6	21.9	25.0	29.8	32.0	32.9	33.1
R704	Residential	19.6	22.0	25.0	29.8	32.0	33.0	33.1
R705	Residential	19.7	22.0	25.1	29.9	32.1	33.0	33.2
R706	Residential	19.3	21.7	24.7	29.5	31.7	32.6	32.8
R707	Residential	19.3	21.6	24.7	29.5	31.7	32.6	32.8
R708	Residential	17.9	20.3	23.3	28.0	30.2	31.2	31.4
R709	Residential	21.9	24.2	27.4	32.2	34.4	35.3	35.5

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R710	Residential	22.8	25.1	28.3	33.1	35.3	36.3	36.5
R711	Residential	24.4	26.7	30.0	34.8	37.0	37.9	38.1
R712	Residential	22.6	24.9	28.0	32.8	35.0	36.0	36.2
R713	Residential	23.0	25.2	28.4	33.2	35.4	36.4	36.5
R714	Residential	20.5	22.8	25.8	30.6	32.8	33.8	34.0
R715	Residential	19.6	21.9	24.9	29.7	31.9	32.8	33.0
R716	Residential and Commercial	19.9	22.2	25.2	30.0	32.2	33.1	33.3
R717	Residential	20.1	22.4	25.3	30.1	32.3	33.3	33.5
R718	Residential	20.2	22.5	25.5	30.3	32.5	33.4	33.6
R719	Residential	20.0	22.3	25.3	30.1	32.3	33.2	33.4
R720	Residential	20.4	22.7	25.7	30.5	32.7	33.6	33.8
R721	Residential	27.4	29.7	33.0	37.8	40.0	41.0	41.1
R721	Residential	27.5	29.7	33.0	37.8	40.0	41.0	41.2
R722	Residential	14.8	17.4	20.0	24.8	27.0	28.0	28.2
R728	Residential	7.4	10.5	12.5	17.3	19.5	20.8	20.9
R729	Residential	11.2	13.8	16.4	21.2	23.4	24.4	24.6
R733	Residential	19.4	21.7	24.7	29.5	31.7	32.7	32.9
R734	Residential	19.6	21.8	24.9	29.7	31.9	32.9	33.1
R735	Residential	20.0	22.2	25.3	30.1	32.3	33.3	33.5
R736	Residential	20.1	22.4	25.5	30.3	32.5	33.5	33.7
R737	Residential	20.2	22.5	25.6	30.4	32.6	33.6	33.7
R738	Residential	20.0	22.3	25.4	30.2	32.4	33.4	33.6
R739	Residential	20.3	22.6	25.6	30.4	32.6	33.5	33.7
R740	Residential	21.6	24.0	27.0	31.8	34.0	34.9	35.1
R741	Residential	23.2	25.5	28.6	33.4	35.6	36.6	36.8
R742	Residential	23.5	25.7	28.9	33.7	35.9	36.8	37.0
R743	Residential	15.2	17.8	20.4	25.2	27.4	28.4	28.6
R744	Residential	15.7	18.3	21.0	25.8	28.0	29.0	29.2
R745	Residential	27.6	29.8	33.2	38.0	40.2	41.2	41.3
R745	Residential	27.8	30.0	33.4	38.2	40.4	41.3	41.5
R746	Residential	15.6	18.1	20.8	25.6	27.8	28.8	29.0
R748	Residential	13.7	16.3	18.8	23.6	25.8	26.9	27.1
R749	Residential	16.3	18.8	21.6	26.4	28.6	29.6	29.7

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R751	Residential	11.7	14.3	16.9	21.7	23.9	24.9	25.1
R752	Residential	13.9	16.6	19.1	23.9	26.1	27.1	27.3
R755	Residential	13.7	16.4	18.9	23.7	25.9	27.0	27.1
R761	Residential	22.9	25.1	28.3	33.1	35.3	36.2	36.4
R762	Residential	22.3	24.6	27.6	32.4	34.6	35.6	35.8
R766	Residential and Commercial	9.0	11.9	14.2	19.0	21.2	22.3	22.5
R771	Residential and Commercial	7.4	10.4	12.5	17.3	19.5	20.7	20.9
R775	Residential	19.3	21.7	24.7	29.5	31.7	32.6	32.8
R776	Residential	19.3	21.6	24.7	29.5	31.7	32.6	32.8
R777	Residential	23.5	25.7	28.9	33.7	35.9	36.9	37.1
R778	Residential	6.8	9.9	11.9	16.7	18.9	20.1	20.3
R782	Residential	10.9	13.9	16.0	20.9	23.1	24.2	24.4
R801	Residential and Commercial	15.0	17.7	20.2	25.0	27.2	28.2	28.4
R802	Residential	15.1	17.7	20.3	25.1	27.3	28.3	28.5
R803	Residential and Commercial	15.0	17.7	20.2	25.0	27.2	28.2	28.4
R806	Residential	17.6	20.1	22.9	27.7	29.9	30.8	31.0
R807	Residential	18.5	20.9	23.7	28.5	30.7	31.7	31.9
R808	Residential	19.3	21.7	24.6	29.4	31.6	32.6	32.8
R813	Residential	8.5	11.5	13.6	18.4	20.6	21.8	22.0
R814	Residential	13.0	15.5	18.2	23.0	25.2	26.2	26.4
R815	Residential	8.4	11.5	13.5	18.3	20.5	21.7	21.9
R820	Residential and Commercial	24.3	26.5	29.8	34.6	36.8	37.7	37.9
R821	Residential	14.8	17.4	20.0	24.8	27.0	28.0	28.2
R822	Residential	14.4	17.0	19.6	24.4	26.6	27.6	27.8
R823	Residential	19.9	22.2	25.2	30.0	32.2	33.2	33.4
R824	Residential	19.9	22.2	25.3	30.1	32.3	33.3	33.4
R826	Residential	18.5	20.8	23.8	28.6	30.8	31.8	31.9
R827	Residential	25.8	28.0	31.4	36.2	38.4	39.3	39.5
R828	Residential	20.4	22.7	25.6	30.4	32.6	33.6	33.8
R829	Residential	18.0	20.4	23.2	28.0	30.2	31.2	31.4

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R830	Residential	18.5	20.9	23.7	28.5	30.7	31.7	31.9
R831	Residential	7.7	10.8	12.8	17.6	19.8	21.1	21.2
R832	Residential	13.2	15.9	18.3	23.1	25.3	26.4	26.6
R839	Residential and Commercial	14.1	16.8	19.3	24.1	26.3	27.3	27.5
R842	Residential	14.5	17.2	19.6	24.4	26.6	27.7	27.9
R843	Residential	15.8	18.4	21.0	25.8	28.0	29.0	29.2
R844	Residential and Commercial	14.1	16.8	19.3	24.1	26.3	27.3	27.5
R845	Residential and Commercial	14.2	16.9	19.3	24.1	26.3	27.4	27.6
R846	Residential and Commercial	14.1	16.8	19.3	24.1	26.3	27.3	27.5
R847	Residential and Commercial	14.1	16.8	19.3	24.1	26.3	27.3	27.5
R849	Residential	16.6	19.1	21.8	26.6	28.8	29.7	29.9
R850	Residential and Commercial	16.3	18.9	21.5	26.3	28.5	29.5	29.7
R853	Residential and Commercial	13.0	15.7	18.2	23.0	25.2	26.2	26.4
R854	Residential	18.6	21.0	23.8	28.6	30.8	31.8	32.0
R855	Residential	18.1	20.5	23.3	28.1	30.3	31.3	31.5
R856	Residential	18.5	21.0	23.8	28.6	30.8	31.7	31.9
R935	Residential	11.7	14.3	16.9	21.7	23.9	24.9	25.1
R936	Residential	12.7	15.2	17.9	22.7	24.9	25.9	26.1
R937	Residential	11.4	14.0	16.6	21.4	23.6	24.6	24.8
R938	Residential and Commercial	10.7	13.4	15.8	20.6	22.8	23.9	24.1
R939	Residential	9.9	12.7	15.1	19.9	22.1	23.2	23.4
R940	Residential and Commercial	9.6	12.4	14.8	19.6	21.8	22.9	23.1
R941	Residential and Commercial	10.3	13.1	15.4	20.2	22.4	23.5	23.7
R942	Residential	11.8	14.4	16.9	21.7	23.9	25.0	25.2
R943	Residential and Commercial	11.5	14.2	16.7	21.5	23.7	24.8	25.0
R944	Residential	10.2	13.0	15.3	20.1	22.3	23.4	23.6

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R945	Residential and Commercial	9.5	12.3	14.6	19.4	21.6	22.7	22.9
R951	Residential	8.4	11.5	13.5	18.3	20.5	21.7	21.9
R952	Residential	9.2	12.0	14.3	19.1	21.3	22.4	22.6
R953	Residential	7.9	10.9	12.9	17.8	20.0	21.2	21.4
R954	Residential	7.4	10.5	12.5	17.3	19.5	20.8	21.0
R955	Residential	7.4	10.6	12.5	17.3	19.5	20.8	21.0
R957	Residential	8.6	11.7	13.7	18.5	20.7	21.9	22.1
R958	Residential	8.7	11.7	13.8	18.6	20.8	22.0	22.2
R959	Residential	8.2	11.3	13.3	18.1	20.3	21.5	21.7
R960	Residential	9.1	12.0	14.3	19.1	21.3	22.4	22.6
R961	Residential	10.8	13.6	16.0	20.8	23.0	24.0	24.2
R971	Residential	18.4	20.8	23.6	28.4	30.6	31.6	31.8
R972	Residential and Commercial	18.3	20.6	23.6	28.4	30.6	31.6	31.7
R988	Residential	10.8	13.7	15.9	20.7	22.9	24.1	24.3
R989	Residential	13.9	16.7	19.1	23.9	26.1	27.1	27.3
R990	Residential and Commercial	14.0	16.7	19.2	24.0	26.2	27.2	27.4
R991	Residential and Commercial	12.2	15.1	17.4	22.2	24.4	25.5	25.7
R992	Residential and Commercial	12.7	15.5	17.8	22.6	24.8	25.9	26.1
R993	Residential and Commercial	13.2	15.9	18.3	23.1	25.3	26.4	26.6
R994	Residential	14.7	17.3	19.9	24.7	26.9	27.9	28.1
R995	Residential	17.6	20.1	22.9	27.7	29.9	30.9	31.1
R996	Residential	17.9	20.3	23.2	28.0	30.2	31.1	31.3
R997	Residential	18.9	21.2	24.2	29.0	31.2	32.1	32.3
R998	Residential	20.4	22.7	25.7	30.5	32.7	33.7	33.9
R999	Residential	20.2	22.5	25.5	30.3	32.5	33.5	33.7
R1000	Residential and Commercial	19.9	22.2	25.3	30.1	32.3	33.3	33.4
R1001	Residential and Commercial	18.8	21.2	24.1	28.9	31.1	32.1	32.3
R1002	Commercial	20.3	22.6	25.6	30.4	32.6	33.6	33.8

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R1003	Commercial	20.2	22.5	25.5	30.3	32.5	33.5	33.7
R1004	Residential	20.0	22.3	25.3	30.1	32.3	33.3	33.5
R1005	Residential and Commercial	21.6	23.9	27.0	31.8	34.0	35.0	35.2
R1006	Residential	21.3	23.6	26.7	31.5	33.7	34.7	34.9
R1007	Residential	20.7	23.0	26.1	30.9	33.1	34.1	34.3
R1008	Residential	20.7	23.0	26.1	30.9	33.1	34.0	34.2
R1009	Residential	20.0	22.3	25.4	30.2	32.4	33.3	33.5
R1010	Residential	19.1	21.4	24.4	29.2	31.4	32.4	32.6
R1016	Residential	8.2	11.3	13.2	18.0	20.2	21.5	21.7
R1017	Residential	10.2	13.2	15.3	20.1	22.3	23.5	23.7
R1018	Residential	10.8	13.7	15.9	20.7	22.9	24.0	24.2
R1019	Residential	11.5	14.5	16.7	21.5	23.7	24.8	25.0
R1039	Residential and Commercial	8.2	11.3	13.3	18.1	20.3	21.6	21.8
R1040	Residential	20.1	22.4	25.4	30.2	32.4	33.4	33.6
R1041	Residential	22.0	24.2	27.4	32.2	34.4	35.3	35.5
R1042	Residential	23.5	25.8	29.1	33.9	36.1	37.0	37.2
R1043	Residential and Commercial	22.6	24.9	28.1	32.9	35.1	36.1	36.3
R1044	Residential	23.5	25.8	29.1	33.9	36.1	37.0	37.2
R1045	Residential	24.0	26.2	29.5	34.3	36.5	37.5	37.7
R1046	Residential and Commercial	23.6	25.8	29.0	33.8	36.0	37.0	37.1
R1047	Residential	23.0	25.2	28.4	33.2	35.4	36.4	36.6
R1048	Residential	24.3	26.5	29.8	34.6	36.8	37.8	37.9
R1049	Residential	24.0	26.3	29.5	34.3	36.5	37.5	37.6
R1050	Residential and Commercial	24.9	27.2	30.4	35.2	37.4	38.4	38.5
R1051	Residential	25.1	27.3	30.5	35.3	37.5	38.5	38.7
R1052	Residential	28.3	30.6	33.9	38.7	40.9	41.9	42.0
R1052	Residential	28.3	30.5	33.9	38.7	40.9	41.8	42.0
R1053	Residential and Commercial	27.0	29.3	32.6	37.4	39.6	40.6	40.7
R1053	Residential and Commercial	26.8	29.0	32.4	37.2	39.4	40.3	40.5

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R1054	Residential	20.7	23.0	26.1	30.9	33.1	34.0	34.2
R1058	Residential	14.6	17.2	19.8	24.6	26.8	27.8	28.0
R1059	Residential	12.6	15.3	17.7	22.5	24.7	25.8	26.0
R1060	Residential and Commercial	15.4	18.0	20.6	25.4	27.6	28.6	28.8
R1061	Residential	18.4	20.8	23.7	28.5	30.7	31.7	31.9
R1062	Residential and Commercial	20.3	22.6	25.6	30.4	32.6	33.6	33.8
R1063	Residential and Commercial	20.0	22.3	25.4	30.2	32.4	33.4	33.6
R1064	Residential	20.2	22.5	25.5	30.3	32.5	33.5	33.7
R1065	Residential	21.4	23.7	26.8	31.6	33.8	34.8	35.0
R1066	Residential	20.7	23.0	26.1	30.9	33.1	34.0	34.2
R1067	Commercial	20.1	22.4	25.5	30.3	32.5	33.5	33.6
R1067	Commercial	20.3	22.6	25.7	30.5	32.7	33.6	33.8
R1068	Commercial	19.8	22.1	25.2	30.0	32.2	33.1	33.3
R1076	Residential	24.4	26.6	30.0	34.8	37.0	37.9	38.1
R1077	Residential and Commercial	22.7	25.0	28.2	33.0	35.2	36.1	36.3
R1078	Residential	21.8	24.0	27.2	32.0	34.2	35.2	35.3
R1079	Residential	20.3	22.5	25.6	30.4	32.6	33.6	33.7
R1080	Residential and Commercial	20.4	22.7	25.8	30.6	32.8	33.8	33.9
R1081	Residential	24.0	26.2	29.5	34.3	36.5	37.5	37.6
R1082	Residential	19.3	21.6	24.6	29.4	31.6	32.5	32.7
R1084	Residential	9.3	12.3	14.4	19.2	21.4	22.6	22.8
R1087	Residential and Commercial	16.2	18.6	21.4	26.2	28.4	29.4	29.6
R1089	Residential	20.6	22.9	26.0	30.8	33.0	34.0	34.1
R1093	Residential	24.0	26.3	29.6	34.4	36.6	37.5	37.6
R1095	Residential and Commercial	12.7	15.5	17.8	22.6	24.8	25.9	26.1
R1096	Residential	19.4	21.7	24.7	29.5	31.7	32.7	32.8
R1100	Residential	9.3	12.2	14.4	19.2	21.4	22.6	22.7
R1105	Residential	13.4	16.1	18.5	23.3	25.5	26.6	26.8
R1109	Residential	21.7	24.0	27.1	31.9	34.1	35.0	35.2

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R1110	Residential	8.5	11.6	13.6	18.4	20.6	21.8	22.0
R1112	Residential	22.4	24.7	27.8	32.6	34.8	35.8	36.0
R1114	Residential	19.5	21.8	24.8	29.6	31.8	32.8	33.0
R1115	Residential	19.3	21.7	24.7	29.5	31.7	32.6	32.8
R1116	Residential	19.4	21.7	24.7	29.5	31.7	32.7	32.9
R1117	Residential	19.4	21.7	24.7	29.5	31.7	32.7	32.9
R1118	Residential	19.3	21.7	24.7	29.5	31.7	32.6	32.8
R1125	Residential	7.9	11.0	12.9	17.7	19.9	21.2	21.4
R1127	Residential	18.6	21.0	24.0	28.8	31.0	31.9	32.1
R1128	Residential	21.9	24.1	27.3	32.1	34.3	35.3	35.4
R1129	Residential	23.0	25.3	28.5	33.3	35.5	36.5	36.7
R1130	Commercial	15.7	18.3	20.9	25.7	27.9	28.9	29.1
R1131	Commercial	19.2	21.5	24.6	29.4	31.6	32.5	32.7
R1132	Commercial	10.7	13.5	15.9	20.7	22.9	24.0	24.2
R1134	Commercial	15.6	18.2	20.8	25.6	27.8	28.8	29.0
R1135	Residential	12.9	15.4	18.2	23.0	25.2	26.2	26.4
R1137	Residential	18.5	20.9	23.7	28.5	30.7	31.7	31.9
R1160	Residential	11.8	14.5	17.0	21.8	24.0	25.0	25.2
R1167	Residential and Commercial	12.0	14.7	17.2	22.0	24.2	25.2	25.4
R1178	Residential and Commercial	10.7	13.5	15.8	20.6	22.8	23.9	24.1
R1180	Residential and Commercial	11.8	14.5	17.0	21.7	23.9	25.0	25.2
R1209	Residential and Commercial	12.7	15.3	17.8	22.6	24.8	25.9	26.0
R1227	Residential	12.8	15.4	18.0	22.8	25.0	26.0	26.2
R1241	Residential	8.3	11.2	13.4	18.2	20.4	21.6	21.8
R1246	Residential	9.5	12.4	14.6	19.4	21.6	22.8	22.9
R1344	Residential and Commercial	9.1	12.0	14.2	19.0	21.2	22.4	22.5
R1346	Residential	10.3	13.1	15.4	20.2	22.4	23.5	23.7
R1347	Residential	10.7	13.4	15.8	20.6	22.8	23.9	24.1
R1357	Residential	11.2	13.9	16.4	21.2	23.4	24.4	24.6
R1389	Residential	9.0	11.9	14.2	19.0	21.2	22.3	22.5

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R1390	Residential	9.3	12.2	14.4	19.2	21.4	22.6	22.8
R1391	Residential	10.1	13.0	15.3	20.1	22.3	23.4	23.6
R1398	Residential	8.0	11.0	13.1	17.9	20.1	21.3	21.4
R1399	Residential	9.2	12.2	14.3	19.1	21.3	22.5	22.7
R1502	Residential	4.3	7.6	9.4	14.2	16.4	17.8	18.0
R1503	Residential	5.2	8.5	10.3	15.1	17.3	18.7	18.9
R1504	Residential and Commercial	10.8	13.5	15.9	20.7	22.9	24.0	24.2
R1505	Residential	6.9	9.9	12.0	16.8	19.0	20.2	20.4
R1506	Residential	6.6	9.7	11.7	16.5	18.7	20.0	20.2
R1507	Residential	6.7	9.8	11.8	16.6	18.8	20.0	20.2
R1508	Residential	6.5	9.6	11.6	16.4	18.6	19.8	20.0
R1509	Residential	6.1	9.2	11.2	16.0	18.2	19.4	19.6
R1510	Residential	6.1	9.2	11.2	16.0	18.2	19.4	19.6
R1511	Residential	7.0	10.1	12.1	16.9	19.1	20.4	20.5
R1512	Residential	6.8	9.9	11.9	16.7	18.9	20.2	20.4
R1513	Residential and Commercial	5.0	8.4	10.1	14.9	17.1	18.5	18.7
R1514	Commercial	5.5	8.8	10.6	15.4	17.6	18.9	19.1
R1515	Residential and Commercial	6.9	10.1	12.0	16.8	19.0	20.3	20.5
R1516	Residential	8.3	11.2	13.4	18.2	20.4	21.6	21.8
R1517	Residential	6.9	10.0	12.0	16.8	19.0	20.2	20.4
R1518	Residential	7.3	10.2	12.4	17.2	19.4	20.6	20.7
R1519	Residential and Commercial	9.1	12.0	14.2	19.0	21.2	22.3	22.5
R1520	Residential	7.9	10.9	13.0	17.9	20.0	21.2	21.4
R1521	Residential	4.9	8.2	10.0	14.8	17.0	18.3	18.5
R1522	Residential	6.0	9.1	11.1	15.9	18.1	19.3	19.5
R1523	Residential	6.0	9.1	11.1	15.9	18.1	19.3	19.5
R1524	Residential	6.0	9.2	11.1	15.9	18.1	19.4	19.6
R1525	Residential	6.0	9.2	11.1	15.9	18.1	19.4	19.6
R1526	Residential	5.6	8.8	10.7	15.5	17.7	19.0	19.2
R1527	Residential	6.9	9.9	12.0	16.8	19.0	20.2	20.4
R1528	Residential	5.8	8.9	10.8	15.6	17.8	19.1	19.3

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R1529	Residential	6.8	9.9	11.9	16.7	18.9	20.2	20.4
R1530	Residential	6.8	9.9	11.9	16.7	18.9	20.2	20.4
R1531	Residential	6.8	9.9	11.9	16.7	18.9	20.2	20.3
R1532	Residential	6.8	9.9	11.9	16.7	18.9	20.1	20.3
R1533	Residential	7.2	10.3	12.3	17.1	19.3	20.5	20.7
R1534	Residential	7.2	10.3	12.3	17.1	19.3	20.5	20.7
R1535	Residential	6.9	10.0	12.0	16.8	19.0	20.2	20.4
R1536	Residential	6.9	10.0	12.0	16.8	19.0	20.3	20.5
R1537	Residential	5.6	8.8	10.7	15.5	17.7	19.0	19.2
R1539	Residential	10.0	12.8	15.1	19.9	22.1	23.2	23.4
R1540	Residential and Commercial	11.8	14.5	17.0	21.8	24.0	25.0	25.2
R1541	Residential	12.1	14.7	17.3	22.1	24.3	25.3	25.5
R1542	Residential	15.3	17.7	20.6	25.4	27.6	28.5	28.7
R1548	Residential	3.9	7.4	9.0	13.8	16.0	17.5	17.6
R1549	Residential	4.2	7.6	9.2	14.0	16.2	17.7	17.9
R1550	Residential	4.1	7.5	9.1	13.9	16.2	17.6	17.8
R1551	Residential	4.4	7.8	9.5	14.3	16.5	17.9	18.1
R1552	Residential	4.4	7.8	9.5	14.3	16.5	17.9	18.1
R1555	Residential	5.9	9.0	10.9	15.7	17.9	19.2	19.4
R1556	Residential	6.0	9.1	11.1	15.9	18.1	19.4	19.6
R1557	Residential	6.4	9.5	11.5	16.3	18.5	19.8	20.0
R1558	Residential	6.9	10.0	12.0	16.8	19.0	20.2	20.4
R1559	Residential	7.3	10.3	12.4	17.2	19.4	20.6	20.8
R1560	Residential	6.9	9.9	12.0	16.8	19.0	20.2	20.4
R1561	Residential	7.0	10.0	12.1	16.9	19.1	20.3	20.5
R1562	Residential and Commercial	6.5	9.7	11.6	16.4	18.6	19.9	20.1
R1563	Residential	7.7	10.7	12.8	17.6	19.8	21.0	21.2
R1564	Residential	6.3	9.4	11.4	16.2	18.4	19.6	19.8
R1565	Residential	5.4	8.6	10.4	15.2	17.4	18.7	18.9
R1566	Residential	6.4	9.6	11.5	16.3	18.5	19.8	20.0
R1567	Residential	7.1	10.2	12.2	17.0	19.2	20.5	20.7
R1568	Residential	7.5	10.6	12.6	17.4	19.6	20.9	21.0
R1570	Residential	7.3	10.4	12.3	17.1	19.3	20.6	20.8

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R1571	Residential	6.4	9.7	11.5	16.3	18.5	19.8	20.0
R1572	Residential	6.9	10.1	12.0	16.8	19.0	20.3	20.5
R1574	Residential	6.0	9.2	11.1	15.9	18.1	19.4	19.6
R1575	Residential	6.6	9.7	11.7	16.5	18.7	20.0	20.2
R1576	Residential	6.6	9.7	11.7	16.5	18.7	19.9	20.1
R1577	Residential	6.5	9.6	11.7	16.5	18.7	19.9	20.1
R1578	Residential and Commercial	10.3	13.1	15.4	20.2	22.4	23.5	23.7
R1579	Residential and Commercial	5.9	9.0	10.9	15.7	17.9	19.2	19.4
R1581	Commercial	7.2	10.2	12.3	17.1	19.3	20.5	20.7
R1582	Residential	6.1	9.2	11.2	16.0	18.2	19.5	19.7
R1583	Residential	5.9	9.0	11.0	15.8	18.0	19.2	19.4
R1584	Residential	7.1	10.2	12.2	17.0	19.2	20.5	20.7
R1585	Residential	6.8	9.9	11.9	16.7	18.9	20.1	20.3
R1586	Residential	7.8	10.9	12.9	17.7	19.9	21.2	21.3
R1587	Residential	8.7	11.6	13.8	18.6	20.8	21.9	22.1
R1588	Residential	11.1	13.8	16.3	21.1	23.3	24.3	24.5
R1589	Residential	10.7	13.4	15.9	20.7	22.9	23.9	24.1
R1590	Residential and Commercial	12.4	15.0	17.6	22.4	24.6	25.6	25.8
R1591	Residential and Commercial	5.7	8.9	10.8	15.7	17.9	19.1	19.3
R1592	Residential and Commercial	6.7	9.8	11.8	16.6	18.8	20.0	20.2
R1593	Residential and Commercial	7.2	10.2	12.3	17.1	19.3	20.5	20.7
R1594	Residential and Commercial	8.4	11.3	13.5	18.3	20.5	21.6	21.8
R1595	Residential	8.3	11.2	13.4	18.2	20.4	21.6	21.8
R1596	Residential	6.8	9.8	11.9	16.7	18.9	20.1	20.3
R1597	Residential	7.1	10.2	12.2	17.0	19.2	20.5	20.6
R1598	Residential	7.1	10.2	12.2	17.0	19.2	20.4	20.6
R1599	Commercial	7.1	10.2	12.2	17.0	19.2	20.4	20.6
R1600	Residential	7.2	10.2	12.3	17.1	19.3	20.5	20.7
R1601	Residential	8.4	11.4	13.5	18.3	20.5	21.7	21.9

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R1602	Residential	6.3	9.4	11.4	16.2	18.4	19.6	19.8
R1603	Residential	5.2	8.4	10.2	15.0	17.2	18.6	18.8
R1604	Residential	4.8	8.1	9.9	14.7	16.9	18.2	18.4
R1605	Residential	7.9	10.9	13.0	17.8	20.0	21.2	21.4
R1606	Residential	6.5	9.6	11.5	16.4	18.6	19.8	20.0
R1607	Residential	7.0	10.1	12.0	16.8	19.0	20.3	20.5
R1608	Residential	7.3	10.3	12.4	17.2	19.4	20.6	20.8
R1609	Residential	7.6	10.8	12.7	17.5	19.7	21.0	21.2
R1610	Residential	7.6	10.7	12.7	17.5	19.7	20.9	21.1
R1611	Residential	7.6	10.7	12.7	17.5	19.7	21.0	21.1
R1612	Residential	7.5	10.6	12.6	17.4	19.6	20.9	21.1
R1614	Residential	7.9	11.0	13.0	17.8	20.0	21.2	21.4
R1615	Residential	7.9	11.0	13.0	17.8	20.0	21.2	21.4
R1616	Residential	8.1	11.2	13.2	18.0	20.2	21.4	21.6
R1617	Residential	7.5	10.7	12.7	17.5	19.7	20.9	21.1
R1618	Residential	7.4	10.6	12.5	17.3	19.5	20.8	21.0
R1621	Residential	7.9	10.9	13.0	17.8	20.0	21.2	21.4
R1631	Residential	3.6	7.1	8.7	13.5	15.7	17.2	17.4
R1632	Residential	4.1	7.5	9.1	13.9	16.1	17.6	17.8
R1633	Residential	3.7	7.2	8.8	13.6	15.8	17.3	17.5
R1634	Residential	4.9	8.3	9.9	14.7	16.9	18.4	18.6
R1640	Residential	3.8	7.2	8.8	13.6	15.8	17.3	17.5
R1641	Residential and Commercial	3.3	6.8	8.3	13.1	15.3	16.8	17.0
R1642	Residential	4.7	8.1	9.8	14.6	16.8	18.2	18.4
R1643	Residential and Commercial	4.4	7.7	9.5	14.3	16.5	17.9	18.1
R1644	Residential	5.6	8.8	10.7	15.5	17.7	19.0	19.1
R1645	Residential	9.2	12.1	14.3	19.1	21.3	22.5	22.7
R1646	Residential	7.7	10.7	12.8	17.6	19.8	21.0	21.2
R1647	Residential	7.9	10.8	13.0	17.8	20.0	21.2	21.4
R1648	Residential	6.7	10.0	11.8	16.6	18.8	20.1	20.3
R1652	Residential	6.1	9.3	11.2	16.0	18.2	19.5	19.7
R1653	Residential	6.1	9.2	11.2	16.0	18.2	19.5	19.6
R1654	Residential	6.1	9.2	11.2	16.0	18.2	19.5	19.7

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R1655	Residential	6.1	9.2	11.2	16.0	18.2	19.5	19.6
R1656	Residential	6.1	9.3	11.2	16.0	18.2	19.5	19.7
R1657	Residential	6.0	9.1	11.1	15.9	18.1	19.3	19.5
R1658	Residential	6.0	9.1	11.1	15.9	18.1	19.4	19.5
R1659	Residential	6.0	9.1	11.1	15.9	18.1	19.4	19.6
R1660	Residential	6.0	9.2	11.1	15.9	18.1	19.4	19.6
R1661	Residential	6.1	9.2	11.1	15.9	18.1	19.4	19.6
R1662	Residential	6.1	9.2	11.2	16.0	18.2	19.4	19.6
R1663	Residential	6.1	9.2	11.1	15.9	18.1	19.4	19.6
R1664	Residential	6.1	9.2	11.1	15.9	18.1	19.4	19.6
R1665	Residential	6.0	9.2	11.1	15.9	18.1	19.4	19.6
R1666	Residential	6.0	9.2	11.1	15.9	18.1	19.4	19.6
R1667	Residential	6.0	9.1	11.1	15.9	18.1	19.4	19.6
R1668	Residential	6.0	9.1	11.1	15.9	18.1	19.4	19.6
R1669	Residential	6.0	9.1	11.1	15.9	18.1	19.4	19.5
R1670	Residential	6.0	9.1	11.1	15.9	18.1	19.4	19.5
R1671	Residential	6.0	9.2	11.1	15.9	18.1	19.4	19.6
R1672	Residential	6.1	9.2	11.1	15.9	18.1	19.4	19.6
R1673	Residential	6.1	9.2	11.1	16.0	18.2	19.4	19.6
R1674	Residential	5.9	9.0	11.0	15.8	18.0	19.3	19.5
R1675	Residential	5.9	9.0	11.0	15.8	18.0	19.3	19.5
R1676	Residential	5.9	9.0	11.0	15.8	18.0	19.2	19.4
R1677	Residential	6.0	9.1	11.1	15.9	18.1	19.4	19.5
R1678	Residential	6.0	9.2	11.1	15.9	18.1	19.4	19.6
R1679	Residential	6.0	9.2	11.1	15.9	18.1	19.4	19.6
R1680	Residential	6.0	9.2	11.1	15.9	18.1	19.4	19.6
R1681	Residential	6.0	9.2	11.1	15.9	18.1	19.4	19.6
R1682	Residential	6.0	9.2	11.1	15.9	18.1	19.4	19.6
R1683	Residential	6.0	9.2	11.1	15.9	18.1	19.4	19.6
R1684	Residential	6.1	9.2	11.2	16.0	18.2	19.5	19.6
R1685	Residential	6.1	9.2	11.2	16.0	18.2	19.5	19.6
R1686	Residential	6.1	9.2	11.2	16.0	18.2	19.5	19.7
R1687	Residential	8.7	11.7	13.8	18.6	20.8	22.0	22.2
R1688	Residential	9.8	12.6	14.9	19.7	21.9	23.0	23.2

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R1689	Residential	11.3	14.0	16.4	21.2	23.4	24.5	24.7
R1690	Residential	12.4	15.0	17.6	22.4	24.6	25.6	25.8
R1691	Residential and Commercial	10.2	13.0	15.3	20.1	22.3	23.4	23.6
R1692	Residential and Commercial	10.3	13.2	15.5	20.3	22.5	23.6	23.8
R1700	Residential	7.0	10.1	12.1	16.9	19.1	20.3	20.5
R1701	Residential	11.2	13.9	16.4	21.2	23.4	24.5	24.7
R1702	Residential and Commercial	8.1	11.0	13.2	18.0	20.2	21.4	21.6
R1703	Residential	6.8	9.9	11.9	16.7	18.9	20.1	20.3
R1704	Residential	5.5	8.7	10.5	15.4	17.6	18.8	19.0
R1706	Residential	5.9	9.0	10.9	15.7	17.9	19.2	19.4
R1707	Residential	5.8	9.0	10.9	15.7	17.9	19.2	19.4
R1708	Residential	5.9	9.0	10.9	15.7	17.9	19.2	19.4
R1709	Residential	5.8	9.0	10.9	15.7	17.9	19.2	19.4
R1710	Residential	5.8	9.0	10.9	15.7	17.9	19.2	19.4
R1711	Residential	5.7	8.9	10.8	15.6	17.8	19.1	19.3
R1712	Residential	5.7	8.9	10.8	15.6	17.8	19.1	19.3
R1713	Residential	5.7	8.9	10.8	15.6	17.8	19.1	19.3
R1715	Residential	5.7	8.9	10.8	15.6	17.8	19.1	19.3
R1716	Commercial	7.6	10.7	12.7	17.5	19.7	20.9	21.1
R1717	Residential	8.1	11.1	13.3	18.1	20.3	21.5	21.6
R1720	Residential	14.1	16.7	19.3	24.1	26.3	27.3	27.5
R1721	Residential	12.1	14.7	17.3	22.1	24.3	25.3	25.5
R1722	Residential	6.9	10.0	12.0	16.8	19.0	20.2	20.4
R1723	Residential	7.6	10.6	12.7	17.5	19.7	20.9	21.1
R1726	Residential	6.6	9.7	11.7	16.5	18.7	20.0	20.2
R1730	Residential	11.3	14.0	16.4	21.2	23.4	24.5	24.7
R1731	Residential	8.1	11.0	13.2	18.0	20.2	21.4	21.6
R1735	Residential	5.3	8.5	10.4	15.2	17.4	18.7	18.9
R1736	Residential	7.8	10.9	12.9	17.7	19.9	21.1	21.3
R1738	Residential	6.1	9.2	11.1	15.9	18.1	19.4	19.6
R1739	Residential	6.1	9.2	11.2	16.0	18.2	19.5	19.6
R1740	Residential	6.1	9.2	11.2	16.0	18.2	19.4	19.6

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R1750	Residential and Commercial	5.8	9.0	10.9	15.7	17.9	19.2	19.4
R1751	Residential	5.7	8.8	10.8	15.6	17.8	19.0	19.2
R1752	Commercial	7.0	10.1	12.1	16.9	19.1	20.3	20.5
R1753	Residential and Commercial	7.0	10.1	12.1	16.9	19.1	20.3	20.5
R1754	Residential	6.9	10.0	12.0	16.8	19.0	20.3	20.5
R1755	Residential	7.2	10.3	12.3	17.1	19.3	20.5	20.7
R1756	Residential	7.2	10.3	12.3	17.1	19.3	20.5	20.7
R1757	Residential	7.4	10.4	12.4	17.2	19.4	20.7	20.9
R1758	Residential	6.9	10.0	12.0	16.8	19.0	20.3	20.5
R1759	Residential	7.4	10.4	12.5	17.3	19.5	20.7	20.9
R1760	Residential	8.8	11.7	13.9	18.7	20.9	22.1	22.2
R1761	Residential	7.9	10.9	13.0	17.8	20.0	21.2	21.4
R1762	Residential and Commercial	8.3	11.3	13.4	18.2	20.4	21.6	21.8
R1763	Residential and Commercial	8.6	11.6	13.8	18.6	20.8	21.9	22.1
R1764	Residential	9.9	12.7	15.1	19.9	22.1	23.2	23.4
R1765	Residential	11.4	14.1	16.6	21.4	23.6	24.6	24.8
R1766	Residential	12.0	14.6	17.1	21.9	24.1	25.2	25.4
R1770	Residential	4.7	8.0	9.7	14.6	16.8	18.1	18.3
R1771	Residential	4.6	7.9	9.7	14.5	16.7	18.1	18.3
R1772	Residential	5.0	8.2	10.0	14.8	17.0	18.4	18.6
R1773	Residential	5.1	8.4	10.2	15.0	17.2	18.5	18.7
R1774	Residential	5.7	8.9	10.8	15.6	17.8	19.1	19.3
R1775	Residential	6.7	9.7	11.7	16.5	18.7	20.0	20.2
R1776	Residential	6.6	9.7	11.7	16.5	18.7	19.9	20.1
R1777	Residential	6.9	9.9	12.0	16.8	19.0	20.2	20.4
R1778	Residential and Commercial	7.3	10.3	12.4	17.2	19.4	20.6	20.8
R1779	Residential and Commercial	8.3	11.2	13.4	18.2	20.4	21.6	21.8
R1804	Residential	5.5	8.8	10.6	15.4	17.6	19.0	19.2
R1805	Residential and Commercial	4.4	7.7	9.5	14.3	16.5	17.8	18.0

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R1806	Residential and Commercial	5.1	8.3	10.2	15.0	17.2	18.5	18.7
R1807	Residential and Commercial	4.8	8.1	9.9	14.7	16.9	18.2	18.4
R1808	Residential	5.1	8.3	10.2	15.0	17.2	18.5	18.7
R1809	Residential	4.9	8.2	10.0	14.8	17.0	18.3	18.5
R1810	Residential	4.9	8.1	10.0	14.8	17.0	18.3	18.5
R1811	Residential	5.0	8.2	10.1	14.9	17.1	18.4	18.6
R1812	Residential	6.0	9.1	11.1	15.9	18.1	19.4	19.6
R1813	Residential	5.9	9.0	11.0	15.8	18.0	19.3	19.4
R1814	Residential	5.9	9.0	11.0	15.8	18.0	19.3	19.4
R1815	Residential	5.7	8.9	10.8	15.6	17.8	19.1	19.3
R1816	Residential	5.6	8.7	10.7	15.5	17.7	18.9	19.1
R1817	Residential	5.6	8.7	10.6	15.4	17.6	18.9	19.1
R1818	Residential and Commercial	5.7	8.9	10.8	15.6	17.8	19.1	19.3
R1819	Residential	5.3	8.5	10.4	15.2	17.4	18.7	18.9
R1820	Residential	5.7	8.9	10.8	15.6	17.8	19.1	19.3
R1821	Residential	5.8	9.0	10.9	15.7	17.9	19.2	19.4
R1822	Residential	6.0	9.1	11.1	15.9	18.1	19.3	19.5
R1823	Residential	6.0	9.2	11.1	15.9	18.1	19.4	19.6
R1824	Commercial	5.9	9.1	11.0	15.8	18.0	19.3	19.5
R1825	Residential	6.1	9.2	11.2	16.0	18.2	19.5	19.7
R1826	Commercial	6.2	9.3	11.3	16.1	18.3	19.5	19.7
R1827	Commercial	6.2	9.3	11.3	16.1	18.3	19.5	19.7
R1828	Residential	6.0	9.2	11.1	15.9	18.1	19.4	19.6
R1829	Residential	6.0	9.2	11.2	16.0	18.2	19.4	19.6
R1830	Residential	6.0	9.2	11.2	15.9	18.2	19.4	19.6
R1831	Residential and Commercial	6.1	9.2	11.2	16.0	18.2	19.5	19.7
R1832	Residential	6.3	9.4	11.4	16.2	18.4	19.6	19.8
R1833	Residential	6.2	9.3	11.3	16.1	18.3	19.6	19.7
R1834	Commercial	6.2	9.3	11.3	16.1	18.3	19.6	19.8
R1835	Residential	6.4	9.5	11.5	16.3	18.5	19.7	19.9
R1836	Residential	7.1	10.1	12.2	17.0	19.2	20.4	20.6

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R1837	Residential	5.1	8.3	10.2	15.0	17.2	18.5	18.7
R1838	Residential	4.9	8.2	10.0	14.8	17.0	18.3	18.5
R1839	Residential	4.6	7.9	9.7	14.5	16.7	18.0	18.2
R1842	Residential	8.1	11.1	13.3	18.1	20.3	21.4	21.6
R1843	Residential	6.1	9.2	11.2	16.0	18.2	19.5	19.7
R1844	Residential and Commercial	4.9	8.3	10.0	14.8	17.0	18.4	18.6
R1845	Residential and Commercial	3.8	7.3	8.9	13.7	15.9	17.4	17.5
R1846	Residential	5.0	8.4	10.1	14.9	17.1	18.5	18.7
R1859	Residential and Commercial	4.8	8.2	9.9	14.7	16.9	18.3	18.5
R1860	Residential and Commercial	6.7	9.8	11.8	16.6	18.8	20.1	20.3
R1861	Residential	6.7	9.8	11.8	16.6	18.8	20.0	20.2
R1862	Residential and Commercial	11.6	14.3	16.7	21.5	23.7	24.8	25.0
R1863	Residential	11.2	13.9	16.3	21.1	23.3	24.4	24.6
R1864	Residential	11.3	14.0	16.5	21.3	23.5	24.5	24.7
R1865	Residential	11.2	14.0	16.4	21.2	23.4	24.5	24.7
R1866	Residential and Commercial	9.6	12.6	14.8	19.6	21.8	22.9	23.1
R1867	Residential and Commercial	9.6	12.5	14.7	19.5	21.7	22.9	23.1
R1868	Residential and Commercial	9.4	12.4	14.5	19.3	21.5	22.7	22.9
R1869	Residential	8.3	11.3	13.4	18.2	20.4	21.6	21.8
R1870	Residential and Commercial	8.6	11.6	13.7	18.5	20.7	21.9	22.1
R1871	Residential	8.3	11.4	13.4	18.2	20.4	21.7	21.9
R1872	Residential and Commercial	7.8	10.9	12.9	17.7	19.9	21.1	21.3
R1873	Residential	7.6	10.7	12.7	17.5	19.7	21.0	21.1
R1874	Residential	7.6	10.7	12.7	17.5	19.7	21.0	21.2
R1875	Residential	7.5	10.6	12.6	17.4	19.6	20.9	21.1
R1876	Residential	7.7	10.8	12.7	17.5	19.7	21.0	21.2
R1882	Residential	8.4	11.5	13.5	18.3	20.5	21.7	21.9

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R1883	Residential	7.5	10.7	12.6	17.4	19.6	20.9	21.1
R1884	Residential	7.7	10.8	12.7	17.5	19.7	21.0	21.2
R1887	Residential and Commercial	12.5	15.1	17.7	22.5	24.7	25.7	25.9
R1888	Residential	12.0	14.7	17.2	22.0	24.2	25.2	25.4
R1889	Residential and Commercial	12.4	15.0	17.6	22.4	24.6	25.6	25.8
R1890	Residential	11.8	14.5	17.0	21.8	24.0	25.0	25.2
R1891	Residential and Commercial	11.9	14.5	17.1	21.9	24.1	25.1	25.3
R1892	Residential	10.1	12.9	15.3	20.1	22.3	23.4	23.6
R1893	Residential	10.1	12.9	15.2	20.0	22.2	23.3	23.5
R1894	Residential	9.7	12.6	14.8	19.6	21.8	22.9	23.1
R1895	Residential	9.6	12.4	14.7	19.5	21.7	22.8	23.0
R1896	Residential	12.5	15.1	17.7	22.5	24.7	25.7	25.9
R1897	Residential and Commercial	14.1	16.6	19.3	24.1	26.3	27.3	27.5
R1898	Residential	15.6	18.0	20.8	25.6	27.8	28.8	29.0
R1899	Residential	6.0	9.2	11.1	15.9	18.1	19.4	19.6
R1900	Residential and Commercial	7.8	10.8	13.0	17.8	20.0	21.1	21.3
R1903	Residential and Commercial	11.7	14.4	16.9	21.7	23.9	24.9	25.1
R1904	Residential	10.5	13.3	15.7	20.5	22.7	23.8	23.9
R1905	Residential	9.8	12.7	15.0	19.8	22.0	23.1	23.3
R1906	Residential	9.4	12.2	14.5	19.3	21.5	22.6	22.8
R1907	Residential and Commercial	11.4	14.1	16.6	21.4	23.6	24.6	24.8
R1908	Residential	11.3	14.0	16.4	21.2	23.4	24.5	24.7
R1911	Residential	5.5	8.7	10.6	15.4	17.6	18.9	19.1
R1912	Residential and Commercial	6.3	9.4	11.3	16.1	18.3	19.6	19.8
R1913	Residential	6.4	9.5	11.5	16.3	18.5	19.7	19.9
R1914	Residential and Commercial	6.0	9.1	11.0	15.8	18.0	19.3	19.5
R1915	Residential and Commercial	5.3	8.5	10.4	15.2	17.4	18.7	18.9

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R1916	Residential	9.6	12.5	14.7	19.5	21.7	22.8	23.0
R1917	Residential	7.7	10.7	12.8	17.6	19.8	21.0	21.2
R1918	Residential	7.1	10.2	12.2	17.0	19.2	20.4	20.6
R1919	Residential and Commercial	6.7	9.8	11.8	16.6	18.8	20.1	20.2
R1920	Residential	6.4	9.5	11.4	16.2	18.4	19.7	19.9
R1926	Residential and Commercial	6.3	9.4	11.3	16.1	18.3	19.6	19.8
R1941	Residential	10.0	12.9	15.1	19.9	22.1	23.2	23.4
R1942	Residential	9.8	12.7	14.8	19.6	21.8	23.0	23.2
R1943	Residential	9.7	12.7	14.8	19.6	21.8	23.0	23.2
R1944	Residential and Commercial	8.7	11.7	13.8	18.6	20.8	22.0	22.2
R1945	Residential	8.6	11.6	13.7	18.5	20.7	21.9	22.1
R1946	Residential	8.4	11.4	13.5	18.3	20.5	21.7	21.9
R1947	Residential	8.4	11.4	13.5	18.3	20.5	21.7	21.9
R1948	Residential	7.7	10.8	12.8	17.6	19.8	21.1	21.2
R1949	Residential and Commercial	7.7	10.7	12.8	17.6	19.8	21.0	21.2
R1950	Residential and Commercial	7.1	10.2	12.2	17.0	19.2	20.4	20.6
R1951	Residential	7.0	10.1	12.0	16.8	19.0	20.3	20.5
R1952	Residential and Commercial	7.2	10.4	12.3	17.1	19.3	20.6	20.7
R1953	Residential	6.1	9.3	11.1	15.9	18.1	19.5	19.7
R1955	Residential and Commercial	7.7	10.8	12.7	17.5	19.7	21.0	21.2
R1956	Residential and Commercial	7.5	10.6	12.6	17.4	19.6	20.9	21.0
R1957	Residential and Commercial	7.4	10.5	12.5	17.3	19.5	20.8	20.9
R1958	Residential	9.0	12.0	14.1	18.9	21.1	22.3	22.5
R1959	Residential and Commercial	8.7	11.7	13.8	18.6	20.8	22.0	22.2
R1960	Residential and Commercial	7.3	10.4	12.4	17.2	19.4	20.6	20.8
R1961	Residential	7.2	10.3	12.2	17.1	19.3	20.5	20.7

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R1962	Residential	6.3	9.4	11.4	16.2	18.4	19.6	19.8
R1964	Residential and Commercial	7.0	10.2	12.0	16.8	19.0	20.4	20.6
R1965	Residential and Commercial	7.0	10.2	12.1	16.9	19.1	20.4	20.6
R1967	Residential and Commercial	9.1	12.1	14.2	19.0	21.2	22.4	22.6
R1968	Residential	8.1	11.1	13.2	18.0	20.2	21.4	21.6
R1969	Residential	7.5	10.6	12.5	17.3	19.5	20.8	21.0
R1970	Residential and Commercial	6.9	10.1	12.0	16.8	19.0	20.3	20.5
R1972	Residential	7.8	10.9	12.9	17.7	19.9	21.2	21.3
R1973	Residential and Commercial	8.9	11.8	14.0	18.8	21.0	22.2	22.4
R1974	Residential and Commercial	7.0	10.1	12.1	16.9	19.1	20.3	20.5
R1975	Residential	6.3	9.5	11.4	16.2	18.4	19.7	19.9
R1993	Residential and Commercial	10.9	13.8	16.1	20.9	23.1	24.2	24.4
R1994	Residential	10.8	13.7	16.0	20.8	23.0	24.1	24.3
R1995	Residential and Commercial	10.2	13.1	15.3	20.1	22.3	23.5	23.7
R1996	Residential	9.9	12.8	15.0	19.8	22.0	23.2	23.4
R1998	Residential	6.3	9.5	11.3	16.1	18.3	19.7	19.9
R2001	Residential	7.3	10.4	12.4	17.2	19.4	20.6	20.8
R2002	Commercial	6.9	10.0	12.0	16.8	19.0	20.2	20.4
R2004	Commercial	7.4	10.6	12.5	17.3	19.5	20.8	21.0
R2005	Residential	10.2	13.0	15.3	20.1	22.3	23.4	23.6
R2276	Residential and Commercial	3.1	6.6	8.2	13.0	15.2	16.7	16.9
R2277	Residential and Commercial	4.7	8.1	9.8	14.6	16.8	18.2	18.4
R2293	Residential and Commercial	2.7	6.3	7.8	12.6	14.8	16.3	16.5
R2299	Residential	0.8	4.5	5.9	10.7	12.9	14.4	14.6
R2300	Residential	1.1	4.7	6.1	10.9	13.1	14.7	14.9
R2332	Residential	2.1	5.6	7.1	11.9	14.1	15.6	15.9

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R2333	Residential	2.5	6.0	7.6	12.4	14.6	16.1	16.3
R2334	Residential	0.7	4.4	5.7	10.5	12.7	14.3	14.6
R2340	Residential	6.6	9.8	11.7	16.5	18.7	20.0	20.2
R2353	Residential	0.9	4.6	6.0	10.8	13.0	14.6	14.8
R2367	Residential	2.4	6.0	7.5	12.3	14.5	16.0	16.2
R2368	Residential	2.6	6.1	7.6	12.4	14.6	16.1	16.3
R2369	Residential	0.6	4.3	5.7	10.5	12.7	14.3	14.5
R2376	Residential	1.2	4.8	6.2	11.0	13.2	14.8	15.0
R2413	Residential	1.7	5.3	6.8	11.6	13.8	15.3	15.5
R2415	Residential	2.5	6.0	7.5	12.3	14.5	16.0	16.2
R2416	Residential	3.1	6.5	8.1	12.9	15.1	16.6	16.8
R2421	Residential	3.4	6.9	8.5	13.3	15.5	16.9	17.1
R2422	Residential	3.7	7.1	8.8	13.6	15.8	17.2	17.4
R2423	Residential	3.8	7.2	8.9	13.7	15.9	17.3	17.5
R2424	Residential	4.0	7.4	9.1	13.9	16.1	17.5	17.7
R2425	Residential	4.0	7.4	9.1	13.9	16.1	17.5	17.7
R2426	Residential	3.9	7.3	9.0	13.8	16.0	17.4	17.6
R2427	Residential	3.8	7.2	8.9	13.7	15.9	17.3	17.5
R2428	Residential and Commercial	5.9	9.2	11.0	15.8	18.0	19.4	19.6
R2429	Residential	5.8	9.1	10.9	15.7	17.9	19.3	19.5
R2430	Residential and Commercial	4.9	8.2	10.0	14.8	17.0	18.4	18.6
R2431	Residential	4.8	8.1	9.9	14.7	16.9	18.3	18.5
R2435	Residential	3.5	7.0	8.6	13.4	15.6	17.0	17.2
R2447	Residential	3.0	6.5	8.1	12.9	15.1	16.5	16.7
R2448	Residential and Commercial	2.8	6.3	7.9	12.7	14.9	16.3	16.5
R2449	Residential	3.0	6.4	8.0	12.8	15.0	16.5	16.7
R2450	Residential and Commercial	3.1	6.5	8.1	12.9	15.1	16.6	16.8
R2451	Residential	3.1	6.6	8.2	13.0	15.2	16.7	16.8
R2456	Residential	6.6	9.7	11.6	16.4	18.6	20.0	20.1
R2459	Residential	0.9	4.5	5.9	10.8	13.0	14.5	14.7
R2462	Residential	3.1	6.7	8.2	13.0	15.2	16.7	16.9

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R2570	Residential and Commercial	3.6	7.1	8.7	13.5	15.7	17.1	17.3
R2574	Residential	1.6	5.2	6.7	11.5	13.7	15.2	15.4
R2575	Residential	1.7	5.3	6.8	11.6	13.8	15.3	15.5
R2579	Residential	5.6	8.9	10.7	15.5	17.7	19.1	19.2
R2583	Residential	6.7	9.9	11.8	16.6	18.8	20.1	20.3
R2594	Residential	3.6	7.0	8.7	13.5	15.7	17.1	17.3
R2595	Residential	3.7	7.1	8.8	13.6	15.8	17.2	17.4
R2597	Residential	1.6	5.1	6.6	11.4	13.6	15.1	15.4
R2630	Residential	4.5	7.9	9.6	14.4	16.6	18.0	18.2
R2631	Residential	3.8	7.2	8.8	13.6	15.8	17.2	17.4
R2632	Residential	3.7	7.1	8.8	13.6	15.8	17.2	17.4
R2633	Residential	3.5	6.9	8.5	13.3	15.5	17.0	17.2
R2634	Residential	3.1	6.5	8.1	12.9	15.1	16.6	16.8
R2635	Residential	2.8	6.3	7.9	12.7	14.9	16.4	16.6
R2636	Residential and Commercial	2.8	6.2	7.8	12.6	14.8	16.3	16.5
R2637	Residential	4.0	7.3	9.0	13.8	16.0	17.4	17.6
R2638	Residential	3.9	7.2	8.9	13.7	15.9	17.3	17.5
R2639	Residential	1.7	5.2	6.7	11.5	13.7	15.2	15.4
R2640	Residential	2.7	6.1	7.7	12.5	14.7	16.2	16.4
R2641	Residential	3.2	6.6	8.2	13.0	15.2	16.7	16.9
R2691	Residential	0.7	4.4	5.8	10.6	12.8	14.4	14.6
R2700	Residential and Commercial	0.6	4.2	5.6	10.4	12.6	14.2	14.4
R2701	Residential and Commercial	0.8	4.5	5.9	10.7	12.9	14.5	14.7
R2702	Residential and Commercial	1.8	5.4	6.9	11.7	13.9	15.4	15.6
R2703	Residential	6.4	9.6	11.5	16.3	18.5	19.8	20.0
R2787	Residential	3.6	7.0	8.7	13.4	15.6	17.1	17.3
R2788	Residential	6.3	9.5	11.3	16.1	18.3	19.7	19.9
R2789	Residential and Commercial	6.0	9.3	11.1	15.9	18.1	19.4	19.6
R2790	Residential	4.8	8.1	9.9	14.7	16.9	18.2	18.4
R2806	Residential	4.7	8.0	9.7	14.6	16.8	18.1	18.3

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R2819	Residential	0.6	4.2	5.6	10.4	12.6	14.2	14.4
R2824	Residential	7.2	10.5	12.3	17.1	19.3	20.7	20.8
R2830	Residential	3.6	7.0	8.6	13.4	15.6	17.1	17.3
R2845	Residential	6.9	10.1	12.0	16.8	19.0	20.3	20.4
R2852	Residential and Commercial	3.2	6.7	8.2	13.0	15.2	16.7	16.9
R2854	Residential	2.1	5.7	7.2	12.0	14.2	15.7	15.9
R2862	Residential	2.3	5.9	7.4	12.2	14.4	15.9	16.1
R2867	Residential and Commercial	3.0	6.6	8.1	12.9	15.1	16.6	16.8
R2880	Residential	2.8	6.3	7.8	12.6	14.8	16.3	16.5
R2881	Residential	2.3	5.9	7.4	12.2	14.4	15.9	16.1
R2882	Residential	2.4	6.0	7.5	12.3	14.5	16.0	16.2
R2883	Residential and Commercial	2.0	5.5	7.0	11.8	14.0	15.6	15.8
R2884	Residential	1.1	4.8	6.2	11.0	13.2	14.8	15.0
R2885	Commercial	3.2	6.7	8.2	13.0	15.2	16.7	16.9
R2886	Residential	3.2	6.7	8.3	13.1	15.3	16.8	17.0
R2891	Residential	0.6	4.3	5.7	10.5	12.7	14.3	14.5
R2906	Residential	2.5	6.0	7.5	12.3	14.5	16.1	16.3
R2911	Residential	0.6	4.3	5.6	10.4	12.6	14.2	14.5
R2935	Residential	0.0	3.7	5.1	9.9	12.1	13.7	13.9
R2936	Residential	0.7	4.4	5.7	10.5	12.7	14.4	14.6
R2937	Residential and Commercial	0.6	4.3	5.6	10.4	12.6	14.2	14.5
R2938	Residential and Commercial	0.0	3.7	5.0	9.8	12.0	13.7	13.9
R2969	Residential	1.0	4.7	6.1	10.9	13.1	14.6	14.8
R2970	Residential	1.6	5.3	6.7	11.5	13.7	15.3	15.5
R2971	Residential	1.2	4.8	6.2	11.0	13.2	14.8	15.0
R2972	Residential	1.2	4.9	6.2	11.1	13.3	14.8	15.1
R2978	Residential and Commercial	2.7	6.2	7.7	12.5	14.7	16.3	16.5
R2979	Residential	2.9	6.3	7.9	12.7	14.9	16.4	16.6
R2981	Residential	2.0	5.6	7.1	11.9	14.1	15.6	15.8
R2982	Residential	2.3	5.9	7.4	12.2	14.4	15.9	16.1

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)						
		2	3	4	5	6	7	8 – cut-out
R2983	Residential	2.7	6.3	7.8	12.6	14.8	16.3	16.5
R2984	Residential	0.2	3.9	5.2	10.0	12.2	13.9	14.1
R2986	Residential	3.3	6.8	8.3	13.1	15.4	16.8	17.0
R2988	Unknown	24.1	26.4	29.7	34.5	36.7	37.7	37.8
R2989	Unknown	19.2	21.5	24.5	29.3	31.5	32.5	32.6
R2991	Residential	19.4	21.7	24.8	29.6	31.8	32.8	32.9
R2992	Residential	19.4	21.7	24.8	29.6	31.8	32.7	32.9
R2993	Residential	19.5	21.9	24.8	29.6	31.8	32.8	33.0
R2994	Residential	22.6	24.8	27.9	32.7	34.9	35.9	36.1
R2995	Residential	23.0	25.3	28.4	33.2	35.4	36.4	36.6

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APPENDIX 7.6

Predicted Cumulative Noise Levels from Ballinagree Wind Farm and Adjacent Wind Farms at Nearby Noise Sensitive Locations

Table 7.6.1 presents the predicted cumulative noise levels (L_{A90}) from wind turbines for the proposed Ballinagree Wind Farm and Adjacent Wind Farms at noise sensitive locations for Standardised 10m height wind speeds of 2 m/s to 14 m/s. The numbering is not sequential as only the noise sensitive locations within the 35 dB L_{A90} noise contour are presented. Commercial receptors, derelict and uninhabited dwellings were not considered.

Table 7.6.1: Predicted Cumulative Noise Levels (L_{A90}) from Ballinagree Wind Farm and Adjacent Wind Farms at Noise Sensitive Locations for Standardised 10m Wind Speeds of 2 m/s to 14 m/s

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R45	Residential	27.8	29.3	32.0	36.4	38.6	39.6	39.8	39.8	39.8	39.8	39.8	39.8	39.7
R48	Residential	25.8	26.6	28.3	31.8	33.8	34.9	35.1	35.2	35.1	35.1	35.1	35.1	35.0
R49	Residential and Commercial	27.9	29.5	32.3	36.7	39.0	40.0	40.2	40.3	40.2	40.2	40.2	40.2	40.2
R61	Residential	25.7	26.5	28.2	31.7	33.7	34.8	35.0	35.1	35.0	35.0	35.0	35.0	34.9
R65	Residential and Commercial	35.0	35.0	35.1	35.1	35.2	37.0	37.1	37.7	37.2	37.2	37.2	37.2	35.3
R66	Residential	43.0	43.0	43.0	43.0	43.0	44.8	45.1	45.7	45.2	45.2	45.2	45.2	43.1
R90	Residential	21.8	22.2	23.0	25.8	28.0	29.6	30.3	30.4	30.0	29.9	30.0	30.0	29.8
R95	Residential and Commercial	27.7	27.9	28.3	30.8	33.3	35.3	36.4	36.5	35.7	35.5	35.6	35.6	35.6
R96	Residential	28.8	29.0	29.3	31.7	34.2	36.2	37.4	37.4	36.6	36.4	36.5	36.5	36.5
R97	Residential	28.4	28.5	28.9	31.2	33.6	35.6	36.8	36.8	36.0	35.9	35.9	36.0	36.0
R120	Residential	26.1	26.3	26.6	29.2	31.6	33.6	34.7	34.8	34.1	33.9	34.0	34.0	34.0
R122	Residential and Commercial	28.2	28.3	28.7	31.1	33.6	35.6	36.7	36.8	36.0	35.8	35.9	35.9	35.9
R144	Residential	25.9	26.6	28.2	31.6	33.5	34.7	34.9	35.0	34.9	34.9	34.9	34.9	34.7
R145	Residential	25.9	26.6	28.1	31.4	33.4	34.5	34.8	34.9	34.8	34.8	34.8	34.8	34.6

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R146	Residential	25.9	26.7	28.5	32.1	34.1	35.2	35.5	35.5	35.5	35.5	35.5	35.5	35.3
R147	Residential	26.9	28.2	30.6	34.8	36.9	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.1
R148	Residential	26.1	27.1	29.1	33.0	35.0	36.1	36.3	36.4	36.3	36.3	36.3	36.3	36.2
R149	Residential	27.6	29.1	31.7	36.1	38.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4
R150	Residential	27.5	28.9	31.5	35.8	38.0	39.0	39.2	39.2	39.2	39.2	39.2	39.2	39.1
R151	Residential	27.0	27.9	29.7	33.4	35.4	36.6	36.7	36.8	36.8	36.8	36.8	36.8	36.6
R176	Residential	26.1	27.0	29.0	32.8	34.8	35.9	36.1	36.2	36.1	36.1	36.1	36.1	36.0
R180	Residential	22.6	23.0	23.7	26.3	28.3	29.9	30.4	30.5	30.2	30.2	30.2	30.2	30.0
R197	Residential	27.1	28.0	29.9	33.6	35.6	36.7	36.9	37.0	36.9	36.9	36.9	36.9	36.8
R274	Residential and Commercial	34.0	34.0	34.0	34.1	34.2	36.0	36.0	36.6	36.1	36.1	36.1	36.1	34.3
R287	Residential	40.2	40.2	40.3	40.3	40.3	42.1	42.4	42.9	42.5	42.5	42.5	42.5	40.3
R288	Residential and Commercial	41.1	41.1	41.1	41.1	41.2	42.9	43.3	43.9	43.4	43.4	43.4	43.4	41.2
R288	Residential and Commercial	41.5	41.5	41.5	41.6	41.6	43.3	43.6	44.2	43.8	43.8	43.8	43.8	41.6
R312	Residential	39.9	39.9	39.9	39.9	40.0	41.8	42.1	42.6	42.2	42.2	42.2	42.2	40.0
R369	Residential and Commercial	28.0	29.5	32.2	36.5	38.7	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.8
R370	Residential	27.5	29.0	31.6	36.0	38.1	39.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3
R371	Residential and Commercial	26.9	28.2	30.6	34.8	37.0	38.0	38.2	38.3	38.2	38.2	38.2	38.2	38.1
R383	Residential	25.9	26.6	28.1	31.5	33.4	34.6	34.8	34.9	34.8	34.8	34.8	34.8	34.6
R386	Residential	26.6	27.0	27.9	30.4	32.1	33.4	33.6	33.8	33.6	33.6	33.6	33.6	33.2

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R402	Residential and Commercial	27.2	27.9	29.5	32.9	34.9	36.0	36.2	36.3	36.2	36.2	36.2	36.2	36.0
R403	Residential	27.0	27.8	29.5	33.1	35.1	36.2	36.4	36.5	36.4	36.4	36.4	36.4	36.3
R404	Residential and Commercial	27.8	29.2	31.9	36.3	38.4	39.4	39.6	39.7	39.6	39.6	39.6	39.6	39.6
R405	Residential	27.8	29.4	32.1	36.6	38.8	39.8	40.1	40.1	40.0	40.0	40.0	40.0	40.0
R408	Residential and Commercial	26.2	27.2	29.2	33.0	35.1	36.2	36.4	36.5	36.4	36.4	36.4	36.4	36.3
R429	Residential	26.0	26.2	26.6	29.1	31.6	33.6	34.7	34.8	34.0	33.9	33.9	34.0	33.9
R430	Residential	26.4	26.6	26.9	29.5	31.9	33.9	35.0	35.1	34.4	34.2	34.2	34.3	34.3
R431	Residential	26.9	27.0	27.2	29.5	31.9	34.0	35.2	35.3	34.5	34.4	34.4	34.5	34.4
R432	Residential and Commercial	26.6	26.8	27.0	29.3	31.6	33.8	35.0	35.1	34.3	34.1	34.2	34.2	34.2
R433	Residential	24.0	24.4	25.3	28.4	30.9	32.5	33.4	33.4	32.9	32.8	32.8	32.9	32.8
R436	Residential	27.9	28.1	28.4	31.0	33.6	35.5	36.6	36.7	35.9	35.7	35.8	35.8	35.8
R437	Residential	27.2	27.4	27.6	29.9	32.3	34.4	35.6	35.7	34.9	34.7	34.8	34.9	34.8
R480	Residential and Commercial	23.7	23.8	27.1	30.6	33.5	34.6	35.1	35.2	35.1	35.1	35.1	35.1	35.1
R481	Residential	23.6	23.7	27.0	30.4	33.3	34.4	35.0	35.0	35.0	35.0	35.0	35.0	34.9
R482	Residential	36.5	36.6	36.6	39.1	41.9	43.9	45.1	45.1	44.0	43.7	43.8	43.9	43.9
R496	Residential	38.9	38.9	38.9	39.0	39.1	40.8	41.1	41.6	41.2	41.2	41.2	41.2	39.2
R510	Residential and Commercial	25.3	26.3	28.7	32.6	35.0	36.1	36.4	36.5	36.4	36.4	36.4	36.4	36.3
R511	Residential	27.3	28.1	30.9	34.8	37.4	38.5	38.9	38.9	38.8	38.8	38.8	38.8	38.8

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R513	Residential and Commercial	30.6	30.7	33.9	37.3	40.2	41.3	41.9	42.0	41.8	41.8	41.8	41.8	41.8
R519	Residential	28.1	28.5	29.4	31.8	33.4	34.7	34.9	35.1	34.9	34.9	34.9	34.9	34.5
R520	Residential	28.5	28.9	29.7	32.0	33.6	34.9	35.1	35.3	35.1	35.1	35.1	35.1	34.7
R521	Residential	28.5	28.9	29.7	32.0	33.6	34.8	35.0	35.2	35.0	35.0	35.0	35.0	34.6
R522	Residential and Commercial	27.9	28.2	29.1	31.4	33.1	34.4	34.6	34.8	34.6	34.6	34.6	34.6	34.2
R535	Residential	23.8	24.2	27.1	30.6	33.4	34.5	35.1	35.1	35.0	35.0	35.0	35.0	35.0
R536	Residential	23.9	24.3	27.1	30.6	33.4	34.5	35.0	35.1	35.0	35.0	35.0	35.0	35.0
R537	Residential and Commercial	24.5	25.2	27.4	31.0	33.4	34.5	34.9	35.0	34.9	34.8	34.8	34.9	34.8
R568	Residential and Commercial	28.4	28.6	29.3	31.3	32.8	34.1	34.2	34.5	34.3	34.3	34.3	34.3	33.8
R569	Residential and Commercial	28.4	28.6	29.3	31.3	32.8	34.1	34.2	34.5	34.3	34.3	34.3	34.3	33.8
R570	Residential and Commercial	28.1	28.4	29.3	31.5	33.1	34.4	34.5	34.7	34.6	34.6	34.6	34.6	34.1
R571	Residential	27.8	28.6	30.4	34.0	36.0	37.2	37.3	37.4	37.3	37.3	37.3	37.3	37.2
R572	Residential	27.3	28.4	31.0	35.1	37.3	38.3	38.6	38.6	38.6	38.6	38.6	38.6	38.5
R573	Residential	26.9	28.0	30.5	34.5	36.8	37.8	38.1	38.2	38.1	38.1	38.1	38.1	38.0
R584	Residential	33.8	33.9	33.9	34.2	34.5	36.2	36.3	36.8	36.4	36.4	36.4	36.4	34.8
R592	Residential and Commercial	25.2	26.0	28.5	32.3	34.8	35.9	36.4	36.4	36.3	36.3	36.3	36.3	36.2
R593	Residential and Commercial	25.0	25.8	28.2	32.1	34.5	35.7	36.1	36.1	36.0	36.0	36.0	36.0	36.0

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R594	Residential	24.7	25.4	27.9	31.7	34.2	35.4	35.8	35.9	35.8	35.7	35.7	35.7	35.7
R595	Residential	25.2	25.6	28.6	32.2	34.9	36.0	36.6	36.6	36.5	36.5	36.5	36.5	36.5
R596	Residential	24.6	25.0	28.0	31.5	34.3	35.4	36.0	36.0	35.9	35.9	35.9	35.9	35.9
R597	Residential	29.8	29.8	33.5	36.9	39.9	41.0	41.5	41.5	41.5	41.5	41.5	41.5	41.5
R598	Residential	31.6	31.6	35.1	38.5	41.5	42.5	43.1	43.1	43.0	43.0	43.0	43.0	43.0
R599	Residential	29.2	29.3	32.6	35.9	38.9	40.0	40.6	40.6	40.5	40.5	40.5	40.5	40.5
R600	Residential	33.4	33.5	35.6	38.8	41.7	43.0	43.8	43.8	43.4	43.3	43.4	43.4	43.4
R608	Residential and Commercial	31.3	31.3	31.4	31.6	31.9	33.6	33.6	34.2	33.7	33.7	33.7	33.7	32.2
R616	Residential	34.3	34.3	36.1	39.2	42.2	43.6	44.4	44.4	43.9	43.8	43.8	43.8	43.8
R621	Residential	23.9	24.1	27.1	30.5	33.3	34.4	35.0	35.0	34.9	34.9	34.9	34.9	34.9
R622	Residential	23.9	24.2	27.2	30.6	33.4	34.6	35.1	35.1	35.1	35.0	35.0	35.1	35.0
R623	Residential	23.9	24.2	27.2	30.6	33.5	34.6	35.2	35.2	35.1	35.1	35.1	35.1	35.1
R629	Residential	24.7	25.3	27.2	30.6	32.9	34.1	34.5	34.6	34.5	34.4	34.4	34.5	34.3
R639	Residential	29.4	29.6	30.2	31.8	33.2	34.6	34.7	35.0	34.7	34.7	34.7	34.7	34.1
R640	Residential	27.7	28.0	29.0	31.4	33.2	34.4	34.6	34.8	34.6	34.6	34.6	34.6	34.3
R659	Residential	25.9	26.5	29.4	33.1	35.7	36.8	37.3	37.4	37.3	37.3	37.3	37.3	37.2
R662	Residential	23.6	24.2	26.6	30.2	32.8	33.9	34.4	34.5	34.4	34.3	34.4	34.4	34.3
R666	Residential	23.5	24.0	26.6	30.1	32.8	34.0	34.5	34.5	34.4	34.4	34.4	34.4	34.4
R669	Residential	23.9	24.5	27.1	30.7	33.3	34.4	34.9	34.9	34.8	34.8	34.8	34.8	34.8
R670	Residential	23.8	24.4	26.9	30.6	33.2	34.3	34.8	34.8	34.7	34.7	34.7	34.7	34.7
R671	Residential	24.9	25.2	28.2	31.7	34.5	35.7	36.2	36.2	36.1	36.1	36.1	36.1	36.1
R672	Residential	23.5	23.8	26.6	30.1	32.9	34.0	34.6	34.6	34.5	34.5	34.5	34.5	34.5

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R690	Residential	26.3	26.3	29.8	33.3	36.2	37.3	37.9	37.9	37.8	37.8	37.8	37.8	37.8
R691	Residential	29.1	29.1	32.6	36.1	39.0	40.1	40.7	40.7	40.6	40.6	40.6	40.6	40.6
R692	Residential	24.1	24.2	27.6	31.0	33.9	35.0	35.6	35.6	35.5	35.5	35.5	35.5	35.5
R693	Residential	23.3	23.4	26.8	30.2	33.1	34.2	34.7	34.8	34.7	34.7	34.7	34.7	34.7
R695	Residential and Commercial	28.9	29.2	29.9	31.9	33.5	34.8	34.9	35.1	34.9	34.9	34.9	34.9	34.5
R696	Residential	28.3	28.7	29.7	32.2	33.9	35.1	35.3	35.5	35.4	35.3	35.3	35.3	35.0
R697	Residential	28.3	28.7	29.7	32.2	33.9	35.1	35.3	35.5	35.3	35.3	35.3	35.3	35.0
R698	Residential	28.3	28.7	29.7	32.2	33.9	35.1	35.3	35.5	35.3	35.3	35.3	35.3	35.0
R699	Residential	28.3	28.7	29.7	32.2	33.9	35.1	35.3	35.5	35.3	35.3	35.3	35.3	34.9
R700	Residential	28.3	28.7	29.7	32.1	33.8	35.1	35.2	35.4	35.3	35.3	35.3	35.3	34.9
R701	Residential	28.3	28.7	29.7	32.1	33.8	35.1	35.2	35.4	35.3	35.3	35.3	35.3	34.9
R702	Residential	28.3	28.7	29.7	32.2	33.9	35.2	35.3	35.5	35.4	35.3	35.4	35.4	35.0
R703	Residential	28.3	28.7	29.7	32.2	33.9	35.2	35.3	35.5	35.4	35.3	35.4	35.4	35.0
R704	Residential	28.3	28.7	29.7	32.2	33.9	35.2	35.3	35.5	35.4	35.4	35.4	35.4	35.0
R705	Residential	28.2	28.6	29.7	32.2	34.0	35.2	35.3	35.5	35.4	35.4	35.4	35.4	35.0
R706	Residential	28.4	28.7	29.7	32.1	33.8	35.0	35.2	35.4	35.2	35.2	35.2	35.2	34.8
R707	Residential	28.3	28.7	29.7	32.1	33.8	35.0	35.1	35.3	35.2	35.2	35.2	35.2	34.8
R708	Residential	29.0	29.3	29.9	31.7	33.2	34.5	34.6	34.9	34.7	34.7	34.7	34.7	34.1
R709	Residential	27.8	28.5	30.2	33.5	35.5	36.6	36.8	36.9	36.8	36.8	36.8	36.8	36.6
R710	Residential	27.7	28.5	30.5	34.2	36.2	37.3	37.5	37.6	37.6	37.5	37.5	37.6	37.4
R711	Residential	27.8	29.0	31.4	35.5	37.6	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.8
R712	Residential	26.4	27.5	30.0	34.0	36.3	37.4	37.7	37.7	37.6	37.6	37.6	37.6	37.6

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R713	Residential	26.7	27.8	30.3	34.3	36.6	37.7	38.0	38.0	37.9	37.9	37.9	37.9	37.9
R714	Residential	25.2	26.1	28.5	32.4	34.8	35.9	36.3	36.3	36.2	36.2	36.2	36.2	36.2
R715	Residential	25.1	25.9	28.4	32.2	34.7	35.9	36.3	36.3	36.2	36.2	36.2	36.2	36.2
R716	Residential and Commercial	25.3	26.1	28.7	32.5	35.0	36.1	36.6	36.6	36.5	36.5	36.5	36.5	36.4
R717	Residential	25.4	26.2	28.7	32.6	35.1	36.2	36.7	36.7	36.6	36.6	36.6	36.6	36.5
R718	Residential	25.4	26.3	28.8	32.7	35.2	36.3	36.8	36.8	36.7	36.7	36.7	36.7	36.6
R719	Residential	25.3	26.1	28.7	32.5	35.0	36.1	36.6	36.6	36.5	36.5	36.5	36.5	36.4
R720	Residential	25.5	26.4	29.0	32.9	35.4	36.5	36.9	36.9	36.8	36.8	36.8	36.8	36.8
R721	Residential	29.3	30.9	33.8	38.3	40.6	41.6	41.9	41.9	41.8	41.8	41.8	41.8	41.8
R721	Residential	29.3	30.9	33.8	38.3	40.6	41.6	41.9	41.9	41.8	41.8	41.8	41.8	41.8
R722	Residential	38.4	38.4	38.5	38.6	38.8	40.5	40.8	41.4	40.9	40.9	40.9	40.9	39.0
R728	Residential	29.0	29.1	32.6	36.1	39.0	40.1	40.7	40.7	40.6	40.6	40.6	40.6	40.6
R729	Residential	31.5	31.5	34.9	38.3	41.3	42.4	42.9	43.0	42.9	42.8	42.9	42.9	42.9
R733	Residential	28.1	28.5	29.5	32.0	33.7	34.9	35.1	35.2	35.1	35.1	35.1	35.1	34.7
R734	Residential	28.1	28.5	29.5	32.1	33.8	35.0	35.2	35.4	35.2	35.2	35.2	35.2	34.9
R735	Residential	28.2	28.6	29.7	32.3	34.1	35.3	35.4	35.6	35.5	35.5	35.5	35.5	35.1
R736	Residential	28.1	28.6	29.7	32.4	34.2	35.4	35.5	35.7	35.6	35.6	35.6	35.6	35.3
R737	Residential	28.1	28.6	29.7	32.4	34.2	35.4	35.6	35.8	35.6	35.6	35.6	35.6	35.3
R738	Residential	28.2	28.6	29.7	32.4	34.1	35.4	35.5	35.7	35.6	35.5	35.5	35.5	35.2
R739	Residential	25.1	26.0	28.3	32.2	34.6	35.7	36.1	36.1	36.0	36.0	36.0	36.0	36.0
R740	Residential	26.7	27.5	30.2	34.1	36.6	37.7	38.1	38.2	38.1	38.0	38.1	38.1	38.0
R741	Residential	27.0	28.1	30.7	34.8	37.2	38.3	38.7	38.7	38.6	38.6	38.6	38.6	38.6

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R742	Residential	27.1	28.2	30.8	35.0	37.4	38.5	38.8	38.8	38.7	38.7	38.7	38.7	38.7
R743	Residential	35.0	35.0	35.1	35.5	35.9	37.5	37.7	38.2	37.8	37.7	37.8	37.8	36.2
R744	Residential	34.2	34.2	34.4	34.8	35.3	37.0	37.1	37.6	37.2	37.2	37.2	37.2	35.8
R745	Residential	29.4	31.0	33.9	38.4	40.6	41.7	42.0	42.0	41.9	41.9	41.9	41.9	41.9
R745	Residential	29.5	31.1	34.0	38.5	40.8	41.8	42.1	42.1	42.0	42.0	42.0	42.0	42.0
R746	Residential	34.5	34.6	34.7	35.1	35.6	37.2	37.3	37.9	37.4	37.4	37.4	37.4	36.0
R748	Residential	28.0	28.1	31.7	35.1	38.1	39.1	39.7	39.7	39.6	39.6	39.6	39.6	39.6
R749	Residential	32.3	32.4	32.6	33.4	34.2	35.7	35.8	36.2	35.9	35.9	35.9	35.9	34.8
R751	Residential	28.8	28.9	32.0	35.3	38.3	39.4	40.0	40.1	39.9	39.9	39.9	39.9	39.9
R752	Residential	38.5	38.5	38.5	38.7	38.8	40.6	40.8	41.4	40.9	40.9	40.9	40.9	39.0
R755	Residential	32.1	32.2	32.4	32.9	33.6	35.2	35.3	35.8	35.4	35.4	35.4	35.4	34.2
R761	Residential	26.7	27.8	30.2	34.3	36.5	37.6	37.9	37.9	37.9	37.8	37.8	37.8	37.8
R762	Residential	26.7	27.7	30.3	34.3	36.8	37.8	38.3	38.3	38.2	38.2	38.2	38.2	38.1
R766	Residential and Commercial	25.2	25.3	28.8	32.2	35.2	36.3	36.8	36.8	36.8	36.8	36.8	36.8	36.7
R771	Residential and Commercial	29.0	29.1	32.6	36.1	39.0	40.1	40.7	40.7	40.6	40.6	40.6	40.6	40.6
R775	Residential	28.4	28.7	29.7	32.1	33.7	35.0	35.2	35.3	35.2	35.2	35.2	35.2	34.8
R776	Residential	28.3	28.7	29.7	32.1	33.7	35.0	35.1	35.3	35.2	35.2	35.2	35.2	34.8
R777	Residential	26.7	27.9	30.5	34.7	37.0	38.1	38.3	38.4	38.3	38.3	38.3	38.3	38.3
R778	Residential	30.0	30.0	33.7	37.1	40.1	41.2	41.7	41.7	41.7	41.7	41.7	41.7	41.7
R782	Residential	38.8	38.8	38.8	38.9	39.0	40.7	41.0	41.5	41.1	41.1	41.1	41.1	39.1

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R801	Residential and Commercial	26.6	26.9	30.1	33.6	36.4	37.5	38.0	38.0	38.0	38.0	38.0	38.0	38.0
R802	Residential	25.7	26.0	29.1	32.6	35.4	36.5	37.0	37.1	37.0	37.0	37.0	37.0	37.0
R803	Residential and Commercial	24.3	24.7	27.6	31.1	33.9	35.0	35.5	35.6	35.5	35.5	35.5	35.5	35.4
R806	Residential	27.0	27.3	30.5	34.1	36.8	37.9	38.4	38.4	38.4	38.4	38.4	38.4	38.3
R807	Residential	26.2	26.7	29.7	33.4	36.1	37.2	37.6	37.7	37.6	37.6	37.6	37.6	37.6
R808	Residential	26.2	26.8	28.3	31.5	33.5	34.7	35.0	35.1	35.0	35.0	35.0	35.0	34.8
R813	Residential	24.6	24.7	28.1	31.5	34.5	35.6	36.1	36.1	36.1	36.1	36.1	36.1	36.1
R814	Residential	30.1	30.2	33.7	37.2	40.2	41.2	41.8	41.8	41.7	41.7	41.7	41.7	41.7
R815	Residential	24.2	24.3	27.7	31.1	34.0	35.1	35.7	35.7	35.6	35.6	35.6	35.6	35.6
R820	Residential and Commercial	27.4	28.7	31.2	35.4	37.6	38.6	38.9	38.9	38.8	38.8	38.8	38.8	38.8
R821	Residential	39.5	39.5	39.5	39.6	39.8	41.5	41.8	42.3	41.9	41.9	41.9	41.9	39.9
R822	Residential	30.5	30.5	30.8	31.6	32.4	34.0	34.0	34.5	34.1	34.1	34.1	34.1	33.1
R823	Residential	28.3	28.7	29.7	32.3	34.0	35.3	35.4	35.6	35.5	35.4	35.5	35.5	35.1
R824	Residential	28.3	28.7	29.7	32.4	34.1	35.3	35.5	35.6	35.5	35.5	35.5	35.5	35.2
R826	Residential	28.4	28.7	29.5	31.7	33.2	34.5	34.6	34.8	34.7	34.7	34.7	34.7	34.2
R827	Residential	28.3	29.7	32.4	36.7	38.9	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.1
R828	Residential	25.9	26.7	29.4	33.2	35.7	36.9	37.3	37.3	37.2	37.2	37.2	37.2	37.2
R829	Residential	24.3	25.0	27.5	31.2	33.8	34.9	35.4	35.4	35.3	35.3	35.3	35.3	35.2
R830	Residential	27.8	28.2	29.1	31.4	33.1	34.4	34.6	34.8	34.6	34.6	34.6	34.6	34.2
R831	Residential	23.6	23.8	27.1	30.5	33.4	34.5	35.1	35.1	35.1	35.0	35.0	35.0	35.0

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R832	Residential	31.8	31.9	32.0	32.6	33.3	34.8	35.0	35.4	35.0	35.0	35.0	35.0	33.8
R839	Residential and Commercial	23.8	24.2	27.1	30.6	33.4	34.5	35.0	35.1	35.0	35.0	35.0	35.0	34.9
R842	Residential	24.9	25.2	28.3	31.8	34.6	35.7	36.2	36.3	36.2	36.2	36.2	36.2	36.2
R843	Residential	25.0	25.4	28.4	32.0	34.7	35.8	36.4	36.4	36.3	36.3	36.3	36.3	36.3
R844	Residential and Commercial	23.7	24.1	26.9	30.5	33.2	34.4	34.9	34.9	34.8	34.8	34.8	34.8	34.8
R845	Residential and Commercial	23.8	24.1	27.0	30.5	33.2	34.4	34.9	34.9	34.9	34.8	34.8	34.9	34.8
R846	Residential and Commercial	23.7	24.1	26.9	30.5	33.2	34.4	34.9	34.9	34.8	34.8	34.8	34.8	34.8
R847	Residential and Commercial	23.7	24.1	26.9	30.5	33.2	34.4	34.9	34.9	34.8	34.8	34.8	34.8	34.8
R849	Residential	23.9	24.5	27.0	30.7	33.2	34.4	34.9	34.9	34.8	34.8	34.8	34.8	34.8
R850	Residential and Commercial	23.8	24.4	26.9	30.5	33.1	34.2	34.7	34.8	34.7	34.6	34.6	34.7	34.6
R853	Residential and Commercial	27.0	27.1	30.6	34.1	37.0	38.1	38.6	38.6	38.6	38.6	38.6	38.6	38.6
R854	Residential	26.9	27.3	30.4	34.0	36.8	37.9	38.4	38.4	38.3	38.3	38.3	38.3	38.3
R855	Residential	26.0	26.5	29.4	33.1	35.8	36.9	37.4	37.4	37.4	37.3	37.3	37.4	37.3
R856	Residential	26.4	26.9	29.9	33.6	36.3	37.4	37.9	37.9	37.9	37.8	37.8	37.9	37.8
R935	Residential	29.0	29.1	32.3	35.7	38.6	39.8	40.3	40.4	40.3	40.2	40.2	40.2	40.2
R936	Residential	33.0	33.1	36.4	39.8	42.8	43.9	44.5	44.5	44.4	44.3	44.3	44.4	44.4
R937	Residential	31.5	31.5	35.0	38.4	41.3	42.4	43.0	43.0	42.9	42.9	42.9	42.9	42.9

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R938	Residential and Commercial	31.3	31.3	34.7	38.1	41.1	42.2	42.8	42.8	42.7	42.7	42.7	42.7	42.7
R939	Residential	31.3	31.4	34.8	38.2	41.2	42.3	42.9	42.9	42.8	42.8	42.8	42.8	42.8
R940	Residential and Commercial	31.7	31.7	35.1	38.5	41.5	42.6	43.2	43.2	43.1	43.1	43.1	43.1	43.1
R941	Residential and Commercial	28.5	28.6	32.2	35.6	38.6	39.7	40.2	40.2	40.2	40.2	40.2	40.2	40.2
R942	Residential	28.7	28.8	31.9	35.3	38.2	39.4	40.0	40.0	39.9	39.9	39.9	39.9	39.9
R943	Residential and Commercial	28.3	28.3	31.5	34.9	37.9	39.0	39.6	39.6	39.5	39.5	39.5	39.5	39.5
R944	Residential	26.7	26.8	30.3	33.8	36.7	37.8	38.4	38.4	38.3	38.3	38.3	38.3	38.3
R945	Residential and Commercial	23.8	24.0	27.2	30.7	33.6	34.7	35.2	35.3	35.2	35.2	35.2	35.2	35.2
R951	Residential	24.2	24.3	27.6	31.1	34.0	35.1	35.6	35.7	35.6	35.6	35.6	35.6	35.6
R952	Residential	25.5	25.5	29.0	32.5	35.4	36.5	37.0	37.1	37.0	37.0	37.0	37.0	37.0
R953	Residential	23.9	24.0	27.4	30.8	33.8	34.9	35.4	35.4	35.4	35.4	35.4	35.4	35.4
R954	Residential	23.4	23.5	26.8	30.3	33.2	34.3	34.8	34.9	34.8	34.8	34.8	34.8	34.8
R955	Residential	23.4	23.5	26.8	30.2	33.2	34.3	34.8	34.8	34.8	34.8	34.8	34.8	34.8
R957	Residential	24.5	24.6	28.0	31.4	34.4	35.4	36.0	36.0	36.0	35.9	36.0	36.0	35.9
R958	Residential	24.6	24.7	28.0	31.4	34.4	35.5	36.0	36.0	36.0	36.0	36.0	36.0	36.0
R959	Residential	24.1	24.2	27.5	31.0	33.9	35.0	35.5	35.6	35.5	35.5	35.5	35.5	35.5
R960	Residential	25.5	25.6	29.1	32.5	35.5	36.5	37.1	37.1	37.1	37.0	37.0	37.0	37.0
R961	Residential	25.9	26.0	29.5	32.9	35.8	36.9	37.5	37.5	37.4	37.4	37.4	37.4	37.4
R971	Residential	26.4	26.9	28.1	31.0	33.0	34.2	34.4	34.5	34.4	34.4	34.4	34.4	34.2

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R972	Residential and Commercial	28.4	28.7	29.5	31.5	33.0	34.3	34.4	34.7	34.5	34.5	34.5	34.5	34.0
R988	Residential	32.9	33.0	33.1	33.3	33.7	35.4	35.5	36.0	35.6	35.6	35.6	35.6	34.1
R989	Residential	37.4	37.4	37.5	37.7	37.9	39.7	39.9	40.4	40.0	40.0	40.0	40.0	38.1
R990	Residential and Commercial	37.3	37.3	37.4	37.6	37.8	39.5	39.7	40.3	39.8	39.8	39.8	39.8	38.1
R991	Residential and Commercial	36.6	36.6	36.7	36.8	37.0	38.7	38.9	39.5	39.0	39.0	39.0	39.0	37.1
R992	Residential and Commercial	36.4	36.4	36.5	36.6	36.8	38.5	38.7	39.3	38.8	38.8	38.8	38.8	37.0
R993	Residential and Commercial	32.8	32.8	32.9	33.3	33.7	35.4	35.5	36.0	35.6	35.5	35.5	35.5	34.1
R994	Residential	38.7	38.8	38.8	38.9	39.1	40.8	41.1	41.6	41.2	41.2	41.2	41.2	39.3
R995	Residential	29.2	29.5	30.0	31.7	33.1	34.5	34.6	34.9	34.6	34.6	34.6	34.6	34.0
R996	Residential	28.9	29.1	29.8	31.6	33.1	34.4	34.6	34.8	34.6	34.6	34.6	34.6	34.1
R997	Residential	27.4	27.8	28.9	31.5	33.3	34.5	34.7	34.9	34.7	34.7	34.7	34.7	34.4
R998	Residential	28.3	28.7	29.9	32.6	34.4	35.6	35.8	35.9	35.8	35.8	35.8	35.8	35.5
R999	Residential	28.3	28.8	29.9	32.6	34.3	35.5	35.7	35.9	35.7	35.7	35.7	35.7	35.4
R1000	Residential and Commercial	28.4	28.8	29.9	32.4	34.2	35.4	35.5	35.7	35.6	35.6	35.6	35.6	35.2
R1001	Residential and Commercial	28.7	29.0	29.8	32.0	33.5	34.8	35.0	35.2	35.0	35.0	35.0	35.0	34.6
R1002	Commercial	28.3	28.7	29.8	32.6	34.4	35.6	35.7	35.9	35.8	35.8	35.8	35.8	35.5
R1003	Commercial	28.3	28.8	29.9	32.5	34.3	35.5	35.7	35.8	35.7	35.7	35.7	35.7	35.4

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1004	Residential	28.4	28.8	29.8	32.4	34.2	35.4	35.5	35.7	35.6	35.6	35.6	35.6	35.2
R1005	Residential and Commercial	27.9	28.6	30.1	33.3	35.2	36.4	36.6	36.7	36.6	36.6	36.6	36.6	36.4
R1006	Residential	28.0	28.6	30.0	33.1	35.0	36.2	36.4	36.5	36.4	36.4	36.4	36.4	36.2
R1007	Residential	28.1	28.6	29.9	32.8	34.6	35.8	36.0	36.1	36.0	36.0	36.0	36.0	35.7
R1008	Residential	28.1	28.6	29.9	32.7	34.6	35.8	35.9	36.1	36.0	36.0	36.0	36.0	35.7
R1009	Residential	28.3	28.7	29.8	32.4	34.2	35.4	35.5	35.7	35.6	35.6	35.6	35.6	35.2
R1010	Residential	28.1	28.5	29.4	31.8	33.5	34.7	34.9	35.1	34.9	34.9	34.9	34.9	34.5
R1016	Residential	31.4	31.5	31.5	31.7	32.0	33.7	33.7	34.3	33.9	33.8	33.9	33.9	32.3
R1017	Residential	35.4	35.4	35.4	35.6	35.7	37.5	37.6	38.2	37.7	37.7	37.7	37.7	35.9
R1018	Residential	34.3	34.3	34.3	34.5	34.7	36.5	36.5	37.1	36.6	36.6	36.6	36.6	35.0
R1019	Residential	35.5	35.5	35.6	35.7	35.9	37.7	37.8	38.4	37.9	37.9	37.9	37.9	36.2
R1039	Residential and Commercial	31.3	31.3	31.4	31.7	32.0	33.7	33.7	34.3	33.9	33.9	33.9	33.9	32.3
R1040	Residential	25.5	26.3	28.1	31.7	33.9	35.0	35.3	35.3	35.3	35.2	35.2	35.3	35.1
R1041	Residential	27.8	28.5	30.2	33.6	35.5	36.7	36.9	37.0	36.9	36.9	36.9	36.9	36.7
R1042	Residential	27.9	28.8	30.9	34.7	36.8	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.0
R1043	Residential and Commercial	27.8	28.7	30.5	34.1	36.1	37.2	37.4	37.5	37.4	37.4	37.4	37.4	37.3
R1044	Residential	27.6	28.6	30.8	34.7	36.9	37.9	38.1	38.2	38.1	38.1	38.1	38.1	38.0
R1045	Residential	27.7	28.8	31.1	35.1	37.3	38.3	38.5	38.6	38.5	38.5	38.5	38.5	38.4
R1046	Residential and Commercial	27.1	28.2	30.7	34.8	37.0	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.2
R1047	Residential	26.8	27.9	30.3	34.4	36.6	37.7	38.0	38.0	38.0	37.9	37.9	37.9	37.9

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1048	Residential	27.1	28.4	31.2	35.4	37.7	38.8	39.0	39.1	39.0	39.0	39.0	39.0	39.0
R1049	Residential	27.1	28.3	31.0	35.2	37.5	38.5	38.8	38.8	38.8	38.8	38.8	38.8	38.7
R1050	Residential and Commercial	27.9	29.1	31.9	36.2	38.5	39.6	39.9	39.9	39.8	39.8	39.8	39.8	39.8
R1051	Residential	27.9	29.2	31.9	36.3	38.6	39.6	40.0	40.0	39.9	39.9	39.9	39.9	39.9
R1052	Residential	29.9	31.6	34.5	39.1	41.3	42.4	42.6	42.6	42.5	42.5	42.5	42.5	42.5
R1052	Residential	29.8	31.5	34.5	39.0	41.3	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5
R1053	Residential and Commercial	29.1	30.6	33.4	37.9	40.1	41.2	41.5	41.5	41.4	41.4	41.4	41.4	41.4
R1053	Residential and Commercial	28.9	30.4	33.1	37.6	39.9	41.0	41.2	41.2	41.1	41.1	41.1	41.1	41.1
R1054	Residential	25.2	26.2	28.5	32.5	34.8	35.9	36.3	36.3	36.2	36.2	36.2	36.2	36.1
R1058	Residential	30.7	30.8	31.0	31.8	32.6	34.1	34.2	34.7	34.3	34.3	34.3	34.3	33.2
R1059	Residential	34.5	34.5	34.6	34.8	35.1	36.7	36.9	37.4	37.0	37.0	37.0	37.0	35.3
R1060	Residential and Commercial	35.2	35.2	35.3	35.7	36.1	37.7	37.9	38.4	38.0	38.0	38.0	38.0	36.4
R1061	Residential	28.0	28.3	29.2	31.5	33.1	34.4	34.6	34.8	34.6	34.6	34.6	34.6	34.2
R1062	Residential and Commercial	28.3	28.7	29.9	32.6	34.4	35.6	35.8	35.9	35.8	35.8	35.8	35.8	35.5
R1063	Residential and Commercial	28.4	28.8	29.9	32.5	34.2	35.5	35.6	35.8	35.7	35.7	35.7	35.7	35.3
R1064	Residential	28.3	28.8	29.9	32.5	34.3	35.5	35.7	35.8	35.7	35.7	35.7	35.7	35.4
R1065	Residential	27.9	28.5	30.0	33.2	35.1	36.2	36.4	36.5	36.4	36.4	36.4	36.4	36.2
R1066	Residential	28.1	28.6	29.9	32.8	34.6	35.8	35.9	36.1	36.0	36.0	36.0	36.0	35.7

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1067	Commercial	28.3	28.7	29.8	32.5	34.3	35.5	35.6	35.8	35.7	35.6	35.6	35.7	35.3
R1067	Commercial	28.2	28.7	29.8	32.6	34.4	35.6	35.7	35.9	35.8	35.8	35.8	35.8	35.5
R1068	Commercial	28.4	28.8	29.8	32.4	34.1	35.3	35.5	35.6	35.5	35.5	35.5	35.5	35.2
R1076	Residential	28.2	29.2	31.5	35.5	37.6	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.7
R1077	Residential and Commercial	27.9	28.7	30.5	34.1	36.1	37.2	37.3	37.4	37.4	37.4	37.4	37.4	37.2
R1078	Residential	27.9	28.5	30.1	33.4	35.3	36.5	36.7	36.8	36.7	36.7	36.7	36.7	36.5
R1079	Residential	26.4	27.0	28.7	32.0	34.1	35.3	35.5	35.6	35.5	35.5	35.5	35.5	35.3
R1080	Residential and Commercial	26.3	27.0	28.7	32.2	34.2	35.4	35.6	35.7	35.6	35.6	35.6	35.6	35.5
R1081	Residential	27.7	28.8	31.1	35.1	37.2	38.3	38.5	38.5	38.5	38.5	38.5	38.5	38.4
R1082	Residential	24.6	25.4	27.8	31.6	34.0	35.2	35.6	35.6	35.5	35.5	35.5	35.5	35.4
R1084	Residential	33.0	33.0	33.1	33.2	33.5	35.2	35.2	35.8	35.4	35.4	35.4	35.4	33.7
R1087	Residential and Commercial	30.0	30.1	30.4	32.9	35.4	37.4	38.5	38.6	37.7	37.5	37.6	37.6	37.6
R1089	Residential	28.1	28.6	29.9	32.7	34.6	35.8	35.9	36.0	35.9	35.9	35.9	35.9	35.7
R1093	Residential	27.7	28.8	31.1	35.1	37.3	38.3	38.5	38.5	38.5	38.5	38.5	38.5	38.4
R1095	Residential and Commercial	35.0	35.1	35.1	35.3	35.6	37.2	37.4	37.9	37.5	37.5	37.5	37.5	35.8
R1096	Residential	28.4	28.8	29.7	32.1	33.8	35.0	35.2	35.4	35.2	35.2	35.2	35.2	34.9
R1100	Residential	26.7	26.8	30.3	33.7	36.7	37.8	38.3	38.3	38.3	38.3	38.3	38.3	38.3
R1105	Residential	31.1	31.1	31.3	32.0	32.8	34.4	34.5	35.0	34.6	34.6	34.6	34.6	33.5
R1109	Residential	25.9	26.9	29.3	33.3	35.6	36.6	37.0	37.0	36.9	36.9	36.9	36.9	36.9
R1110	Residential	24.2	24.3	27.7	31.1	34.0	35.1	35.7	35.7	35.6	35.6	35.6	35.6	35.6

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1112	Residential	26.2	27.3	29.8	33.9	36.2	37.3	37.6	37.6	37.5	37.5	37.5	37.5	37.5
R1114	Residential	28.4	28.8	29.7	32.2	33.9	35.1	35.3	35.4	35.3	35.3	35.3	35.3	34.9
R1115	Residential	28.4	28.8	29.7	32.1	33.8	35.0	35.2	35.4	35.2	35.2	35.2	35.2	34.8
R1116	Residential	28.4	28.7	29.7	32.1	33.8	35.0	35.2	35.4	35.2	35.2	35.2	35.2	34.9
R1117	Residential	28.4	28.8	29.7	32.1	33.8	35.0	35.2	35.4	35.2	35.2	35.2	35.2	34.9
R1118	Residential	28.4	28.8	29.7	32.1	33.8	35.0	35.1	35.3	35.2	35.2	35.2	35.2	34.8
R1125	Residential	23.9	24.0	27.4	30.8	33.7	34.8	35.4	35.4	35.3	35.3	35.3	35.3	35.3
R1127	Residential	28.4	28.7	29.5	31.7	33.3	34.6	34.7	34.9	34.8	34.8	34.8	34.8	34.3
R1128	Residential	27.9	28.6	30.2	33.5	35.4	36.5	36.7	36.8	36.7	36.7	36.7	36.7	36.5
R1129	Residential	28.0	28.8	30.7	34.4	36.4	37.5	37.6	37.7	37.7	37.6	37.7	37.7	37.5
R1130	Commercial	35.5	35.5	35.6	36.0	36.4	38.1	38.2	38.7	38.3	38.3	38.3	38.3	36.8
R1131	Commercial	42.6	42.6	42.7	45.5	48.7	50.6	51.6	51.6	50.4	50.1	50.1	50.2	50.2
R1132	Commercial	28.9	29.0	32.6	36.0	39.0	40.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6
R1134	Commercial	32.6	32.6	32.8	33.5	34.2	35.8	36.0	36.4	36.0	36.0	36.0	36.0	34.9
R1135	Residential	32.3	32.3	35.6	39.0	42.0	43.1	43.7	43.7	43.6	43.6	43.6	43.6	43.6
R1137	Residential	26.3	26.8	28.1	31.0	33.0	34.2	34.5	34.6	34.5	34.5	34.5	34.5	34.2
R1160	Residential	28.8	28.9	29.0	30.7	32.9	35.1	36.4	36.5	35.8	35.6	35.7	35.7	35.7
R1167	Residential and Commercial	28.6	28.7	28.8	30.6	32.7	35.0	36.3	36.4	35.6	35.5	35.5	35.6	35.6
R1178	Residential and Commercial	27.7	27.7	27.9	29.5	31.5	33.8	35.2	35.3	34.6	34.4	34.5	34.5	34.5
R1180	Residential and Commercial	26.5	26.6	26.8	28.9	31.2	33.4	34.6	34.7	33.9	33.8	33.8	33.9	33.9

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1209	Residential and Commercial	29.2	29.3	29.5	31.3	33.5	35.7	37.0	37.1	36.3	36.2	36.2	36.3	36.3
R1227	Residential	27.2	27.3	27.5	29.7	32.1	34.3	35.5	35.6	34.8	34.6	34.7	34.7	34.7
R1241	Residential	28.0	28.0	28.0	29.3	31.2	33.6	35.1	35.3	34.6	34.4	34.5	34.5	34.5
R1246	Residential	27.9	28.0	28.0	29.4	31.2	33.6	35.0	35.2	34.5	34.4	34.5	34.5	34.5
R1344	Residential and Commercial	27.9	28.0	28.0	29.5	31.4	33.8	35.2	35.4	34.6	34.5	34.5	34.6	34.6
R1346	Residential	27.1	27.1	27.2	28.9	31.0	33.3	34.6	34.8	34.0	33.9	33.9	34.0	34.0
R1347	Residential	28.9	29.0	29.0	30.6	32.6	34.9	36.3	36.4	35.7	35.5	35.6	35.6	35.6
R1357	Residential	27.3	27.4	27.6	29.4	31.5	33.8	35.1	35.2	34.4	34.3	34.4	34.4	34.4
R1389	Residential	28.4	28.4	28.4	29.8	31.7	34.1	35.5	35.7	35.0	34.8	34.9	34.9	34.9
R1390	Residential	28.2	28.3	28.3	29.7	31.6	34.0	35.4	35.6	34.9	34.7	34.8	34.8	34.8
R1391	Residential	29.5	29.5	29.6	31.0	32.8	35.2	36.6	36.8	36.0	35.9	36.0	36.0	36.0
R1398	Residential	27.4	27.4	27.4	28.9	30.9	33.3	34.7	34.8	34.1	34.0	34.0	34.1	34.1
R1399	Residential	28.0	28.0	28.1	29.4	31.1	33.6	35.0	35.2	34.5	34.4	34.4	34.5	34.5
R1502	Residential	25.9	25.9	28.5	31.6	34.4	35.6	36.3	36.4	36.2	36.2	36.2	36.2	36.2
R1503	Residential	25.8	25.8	28.9	32.1	35.0	36.2	36.8	36.8	36.7	36.7	36.7	36.7	36.7
R1504	Residential and Commercial	32.9	32.9	32.9	34.1	35.8	38.2	39.6	39.8	39.1	39.0	39.0	39.1	39.0
R1505	Residential	32.6	32.6	32.8	33.8	35.4	37.6	39.0	39.2	38.7	38.7	38.7	38.7	38.7
R1506	Residential	31.2	31.2	31.6	33.0	34.8	36.9	38.1	38.3	37.8	37.8	37.8	37.8	37.8
R1507	Residential	31.3	31.4	31.8	33.1	34.9	37.0	38.2	38.4	37.9	37.9	37.9	37.9	37.9
R1508	Residential	30.4	30.5	31.0	32.6	34.6	36.6	37.8	37.9	37.5	37.4	37.4	37.4	37.4

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1509	Residential	29.5	29.6	30.3	32.0	34.2	36.0	37.2	37.3	36.9	36.8	36.8	36.9	36.8
R1510	Residential	29.6	29.6	30.3	32.1	34.2	36.0	37.2	37.3	36.9	36.8	36.8	36.9	36.9
R1511	Residential	27.4	27.5	30.3	33.5	36.4	37.6	38.3	38.3	38.2	38.1	38.1	38.2	38.2
R1512	Residential	27.3	27.3	30.2	33.4	36.3	37.5	38.1	38.2	38.0	38.0	38.0	38.0	38.0
R1513	Residential and Commercial	26.0	26.0	28.9	32.1	34.9	36.1	36.8	36.8	36.7	36.7	36.7	36.7	36.7
R1514	Commercial	27.0	27.1	30.1	33.4	36.3	37.4	38.0	38.0	38.0	37.9	37.9	37.9	37.9
R1515	Residential and Commercial	34.3	34.3	38.1	41.6	44.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1
R1516	Residential	30.0	30.0	33.4	36.8	39.8	40.9	41.5	41.5	41.4	41.4	41.4	41.4	41.4
R1517	Residential	30.2	30.2	33.8	37.2	40.2	41.2	41.8	41.8	41.7	41.7	41.7	41.7	41.7
R1518	Residential	29.8	29.8	33.3	36.7	39.7	40.7	41.3	41.3	41.2	41.2	41.2	41.2	41.2
R1519	Residential and Commercial	43.4	43.4	43.4	43.5	43.8	46.4	48.0	48.6	48.6	48.6	48.6	48.6	48.6
R1520	Residential	35.5	35.6	35.6	36.4	37.7	40.0	41.5	41.8	41.4	41.3	41.3	41.3	41.3
R1521	Residential	28.3	28.3	29.0	30.6	32.6	34.6	35.7	35.9	35.5	35.4	35.4	35.5	35.5
R1522	Residential	29.3	29.3	30.2	32.0	34.2	36.0	37.1	37.2	36.8	36.7	36.8	36.8	36.8
R1523	Residential	29.3	29.3	30.1	31.9	34.1	35.9	37.0	37.2	36.8	36.7	36.7	36.7	36.7
R1524	Residential	29.4	29.4	30.2	32.0	34.1	36.0	37.1	37.2	36.8	36.7	36.8	36.8	36.8
R1525	Residential	29.4	29.4	30.2	32.0	34.1	36.0	37.1	37.2	36.8	36.7	36.8	36.8	36.8
R1526	Residential	28.0	28.1	29.7	32.3	34.8	36.3	37.1	37.2	36.9	36.9	36.9	36.9	36.9
R1527	Residential	31.7	31.7	32.1	33.3	35.1	37.2	38.5	38.7	38.2	38.1	38.2	38.2	38.2
R1528	Residential	28.2	28.3	29.9	32.3	34.9	36.3	37.2	37.3	37.0	37.0	37.0	37.0	37.0

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1529	Residential	27.1	27.2	30.0	33.2	36.0	37.3	37.9	37.9	37.8	37.8	37.8	37.8	37.8
R1530	Residential	27.1	27.2	29.9	33.1	36.0	37.2	37.9	37.9	37.8	37.7	37.8	37.8	37.8
R1531	Residential	27.1	27.1	29.9	33.1	36.0	37.2	37.9	37.9	37.8	37.7	37.7	37.8	37.7
R1532	Residential	27.1	27.1	29.9	33.1	36.0	37.2	37.9	37.9	37.7	37.7	37.7	37.7	37.7
R1533	Residential	27.1	27.1	29.9	33.1	36.0	37.2	37.9	37.9	37.7	37.7	37.7	37.7	37.7
R1534	Residential	27.1	27.1	29.9	33.1	36.0	37.2	37.8	37.9	37.7	37.7	37.7	37.7	37.7
R1535	Residential	26.9	27.0	29.8	33.0	35.9	37.1	37.8	37.8	37.6	37.6	37.6	37.6	37.6
R1536	Residential	27.3	27.3	30.3	33.5	36.4	37.6	38.2	38.2	38.1	38.1	38.1	38.1	38.1
R1537	Residential	26.6	26.7	29.1	32.1	35.0	36.2	37.0	37.0	36.8	36.8	36.8	36.8	36.8
R1539	Residential	31.7	31.7	31.7	32.9	34.6	37.0	38.4	38.6	37.9	37.8	37.8	37.9	37.9
R1540	Residential and Commercial	34.6	34.6	34.7	35.9	37.8	40.1	41.5	41.7	41.0	40.8	40.9	40.9	40.9
R1541	Residential	34.5	34.6	34.6	35.9	37.9	40.2	41.6	41.7	41.0	40.8	40.9	40.9	40.9
R1542	Residential	37.0	37.1	37.1	39.4	42.2	44.2	45.4	45.4	44.3	44.1	44.2	44.2	44.2
R1548	Residential	24.4	24.5	27.0	30.0	32.8	34.1	34.8	34.8	34.7	34.7	34.7	34.7	34.7
R1549	Residential	24.3	24.4	27.0	30.1	32.9	34.1	34.9	34.9	34.7	34.7	34.7	34.7	34.7
R1550	Residential	24.7	24.7	27.5	30.7	33.6	34.8	35.5	35.5	35.4	35.4	35.4	35.4	35.4
R1551	Residential	25.0	25.0	27.7	30.8	33.6	34.8	35.5	35.6	35.4	35.4	35.4	35.4	35.4
R1552	Residential	24.6	24.6	27.2	30.3	33.1	34.3	35.0	35.1	34.9	34.9	34.9	34.9	34.9
R1555	Residential	31.1	31.1	31.4	32.3	33.8	36.0	37.4	37.7	37.2	37.2	37.2	37.2	37.2
R1556	Residential	31.2	31.2	31.4	32.4	33.8	36.1	37.5	37.7	37.3	37.2	37.2	37.2	37.2
R1557	Residential	32.0	32.0	32.2	33.1	34.5	36.8	38.2	38.5	38.0	38.0	38.0	38.0	38.0
R1558	Residential	32.5	32.5	32.8	33.8	35.4	37.6	39.0	39.2	38.7	38.6	38.7	38.7	38.7

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1559	Residential	33.5	33.5	33.6	34.6	36.1	38.4	39.7	40.0	39.5	39.4	39.5	39.5	39.5
R1560	Residential	32.3	32.4	32.6	33.7	35.3	37.5	38.9	39.1	38.6	38.5	38.6	38.6	38.6
R1561	Residential	31.8	31.8	32.2	33.5	35.3	37.4	38.7	38.8	38.4	38.3	38.3	38.3	38.3
R1562	Residential and Commercial	26.7	26.7	29.7	32.9	35.8	37.0	37.6	37.7	37.5	37.5	37.5	37.5	37.5
R1563	Residential	27.6	27.6	30.2	33.3	36.2	37.4	38.1	38.2	38.0	37.9	37.9	38.0	38.0
R1564	Residential	30.5	30.5	34.2	37.6	40.6	41.7	42.2	42.2	42.2	42.2	42.2	42.2	42.2
R1565	Residential	29.9	30.0	30.3	31.4	33.0	35.2	36.5	36.8	36.3	36.3	36.3	36.3	36.3
R1566	Residential	31.9	31.9	32.1	32.9	34.2	36.5	37.9	38.2	37.8	37.8	37.8	37.8	37.8
R1567	Residential	33.9	33.9	34.0	34.7	35.9	38.3	39.7	40.1	39.7	39.6	39.7	39.7	39.7
R1568	Residential	28.4	28.5	28.5	29.5	31.0	33.5	34.9	35.2	34.6	34.5	34.5	34.6	34.6
R1570	Residential	30.9	30.9	31.0	31.7	32.8	35.3	36.8	37.1	36.6	36.6	36.6	36.6	36.6
R1571	Residential	28.7	28.7	28.9	29.8	31.2	33.6	35.1	35.3	34.8	34.7	34.8	34.8	34.8
R1572	Residential	29.3	29.3	29.4	30.2	31.5	34.0	35.5	35.8	35.2	35.2	35.2	35.2	35.2
R1574	Residential	29.4	29.4	30.2	32.0	34.2	36.0	37.1	37.3	36.8	36.8	36.8	36.8	36.8
R1575	Residential	31.0	31.0	31.5	32.9	34.8	36.8	38.1	38.2	37.8	37.7	37.7	37.7	37.7
R1576	Residential	30.9	30.9	31.4	32.8	34.8	36.7	38.0	38.2	37.7	37.6	37.6	37.7	37.7
R1577	Residential	30.7	30.7	31.3	32.8	34.7	36.7	37.9	38.1	37.6	37.6	37.6	37.6	37.6
R1578	Residential and Commercial	29.7	29.8	31.4	34.0	36.7	38.1	39.0	39.0	38.7	38.7	38.7	38.7	38.7
R1579	Residential and Commercial	28.2	28.2	30.0	32.6	35.2	36.6	37.4	37.5	37.3	37.2	37.2	37.2	37.2
R1581	Commercial	32.7	32.7	33.0	34.1	35.7	37.9	39.3	39.5	39.0	38.9	38.9	39.0	39.0

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1582	Residential	29.6	29.6	30.3	32.1	34.2	36.1	37.2	37.3	36.9	36.8	36.9	36.9	36.9
R1583	Residential	28.8	28.8	29.8	31.8	34.1	35.8	36.8	37.0	36.6	36.5	36.6	36.6	36.6
R1584	Residential	27.1	27.1	29.9	33.1	36.0	37.2	37.8	37.9	37.7	37.7	37.7	37.7	37.7
R1585	Residential	26.9	27.0	29.8	33.0	35.9	37.1	37.8	37.8	37.7	37.6	37.6	37.6	37.6
R1586	Residential	27.5	27.6	30.2	33.3	36.2	37.5	38.1	38.2	38.0	37.9	38.0	38.0	38.0
R1587	Residential	28.6	28.6	30.9	33.9	36.7	38.0	38.8	38.8	38.6	38.5	38.5	38.5	38.5
R1588	Residential	30.9	31.0	33.0	36.0	38.8	40.2	41.0	41.0	40.6	40.6	40.6	40.6	40.6
R1589	Residential	30.6	30.6	32.5	35.5	38.3	39.7	40.6	40.6	40.2	40.1	40.1	40.2	40.2
R1590	Residential and Commercial	31.7	31.7	33.3	36.1	38.9	40.4	41.3	41.3	40.8	40.7	40.8	40.8	40.8
R1591	Residential and Commercial	32.0	32.0	35.8	39.2	42.2	43.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8
R1592	Residential and Commercial	30.2	30.2	33.8	37.2	40.2	41.2	41.8	41.8	41.7	41.7	41.7	41.7	41.7
R1593	Residential and Commercial	29.8	29.8	33.4	36.8	39.7	40.8	41.4	41.4	41.3	41.3	41.3	41.3	41.3
R1594	Residential and Commercial	30.4	30.4	33.8	37.2	40.2	41.3	41.8	41.9	41.8	41.7	41.8	41.8	41.8
R1595	Residential	30.0	30.0	33.4	36.8	39.8	40.9	41.5	41.5	41.4	41.4	41.4	41.4	41.4
R1596	Residential	31.4	31.4	31.8	33.2	35.0	37.1	38.3	38.5	38.0	37.9	38.0	38.0	38.0
R1597	Residential	33.0	33.0	33.2	34.2	35.8	38.0	39.4	39.6	39.1	39.0	39.1	39.1	39.1
R1598	Residential	32.0	32.0	32.4	33.7	35.5	37.6	38.9	39.0	38.6	38.5	38.5	38.5	38.5
R1599	Commercial	31.8	31.8	32.2	33.6	35.5	37.5	38.8	39.0	38.5	38.4	38.4	38.5	38.5
R1600	Residential	32.0	32.0	32.3	33.7	35.5	37.6	38.9	39.1	38.6	38.5	38.5	38.5	38.5

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1601	Residential	31.7	31.7	32.3	33.9	36.0	37.9	39.0	39.2	38.8	38.7	38.7	38.7	38.7
R1602	Residential	30.8	30.8	31.3	32.6	34.4	36.4	37.7	37.9	37.5	37.4	37.4	37.4	37.4
R1603	Residential	29.0	29.1	29.6	31.0	32.9	34.9	36.2	36.4	35.9	35.8	35.9	35.9	35.9
R1604	Residential	28.5	28.6	29.1	30.5	32.4	34.4	35.7	35.9	35.4	35.4	35.4	35.4	35.4
R1605	Residential	36.0	36.0	36.1	36.8	37.9	40.3	41.8	42.1	41.8	41.7	41.7	41.7	41.7
R1606	Residential	32.5	32.6	32.7	33.4	34.5	36.9	38.4	38.7	38.3	38.3	38.3	38.3	38.3
R1607	Residential	33.1	33.1	33.2	33.8	34.9	37.3	38.8	39.1	38.8	38.8	38.8	38.8	38.8
R1608	Residential	34.3	34.3	34.4	34.9	35.7	38.2	39.7	40.1	39.9	39.8	39.8	39.8	39.8
R1609	Residential	33.5	33.5	33.6	34.1	34.9	37.5	39.0	39.4	39.0	39.0	39.0	39.0	39.0
R1610	Residential	33.2	33.2	33.2	33.7	34.6	37.1	38.6	39.0	38.7	38.6	38.7	38.7	38.7
R1611	Residential	32.2	32.2	32.3	32.8	33.8	36.3	37.8	38.2	37.8	37.7	37.8	37.8	37.8
R1612	Residential	30.7	30.8	30.8	31.6	32.7	35.2	36.7	37.0	36.6	36.5	36.5	36.5	36.5
R1614	Residential	30.4	30.4	30.5	31.3	32.6	35.0	36.5	36.8	36.3	36.2	36.3	36.3	36.3
R1615	Residential	30.7	30.8	30.8	31.6	32.8	35.3	36.8	37.1	36.6	36.6	36.6	36.6	36.6
R1616	Residential	29.1	29.1	29.2	30.2	31.7	34.2	35.6	35.9	35.3	35.2	35.2	35.3	35.3
R1617	Residential	28.3	28.3	28.4	29.4	31.0	33.4	34.9	35.1	34.5	34.4	34.5	34.5	34.5
R1618	Residential	27.8	27.9	27.9	29.0	30.6	33.1	34.5	34.7	34.1	34.0	34.1	34.1	34.1
R1621	Residential	32.0	32.0	32.5	34.0	36.0	38.0	39.2	39.4	38.9	38.8	38.8	38.8	38.8
R1631	Residential	23.8	23.9	26.4	29.5	32.3	33.6	34.3	34.4	34.2	34.2	34.2	34.2	34.2
R1632	Residential	24.5	24.6	27.4	30.5	33.4	34.6	35.3	35.3	35.2	35.2	35.2	35.2	35.2
R1633	Residential	26.2	26.3	29.6	32.9	35.9	37.0	37.6	37.6	37.5	37.5	37.5	37.5	37.5
R1634	Residential	26.0	26.1	29.0	32.2	35.1	36.3	36.9	37.0	36.8	36.8	36.8	36.8	36.8
R1640	Residential	24.2	24.2	26.8	29.9	32.7	34.0	34.7	34.7	34.6	34.6	34.6	34.6	34.6

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1641	Residential and Commercial	26.4	26.4	30.0	33.4	36.4	37.4	38.0	38.0	38.0	38.0	38.0	38.0	38.0
R1642	Residential	25.2	25.3	28.0	31.1	33.9	35.2	35.8	35.9	35.7	35.7	35.7	35.7	35.7
R1643	Residential and Commercial	26.0	26.0	28.6	31.7	34.5	35.7	36.4	36.4	36.3	36.3	36.3	36.3	36.3
R1644	Residential	28.4	28.4	29.7	31.9	34.3	35.9	36.9	37.0	36.7	36.6	36.6	36.6	36.6
R1645	Residential	28.0	28.1	30.6	33.8	36.6	37.9	38.5	38.6	38.4	38.3	38.4	38.4	38.4
R1646	Residential	33.7	33.7	33.8	34.8	36.3	38.5	39.9	40.2	39.7	39.6	39.7	39.7	39.7
R1647	Residential	34.2	34.2	34.3	35.2	36.7	38.9	40.4	40.6	40.1	40.0	40.1	40.1	40.1
R1648	Residential	29.0	29.1	29.2	30.0	31.4	33.8	35.3	35.6	35.1	35.0	35.0	35.0	35.0
R1652	Residential	29.8	29.8	30.5	32.1	34.2	36.1	37.3	37.4	37.0	36.9	36.9	37.0	37.0
R1653	Residential	29.7	29.8	30.4	32.1	34.2	36.1	37.2	37.4	36.9	36.9	36.9	36.9	36.9
R1654	Residential	29.8	29.8	30.5	32.1	34.2	36.1	37.2	37.4	36.9	36.9	36.9	36.9	36.9
R1655	Residential	29.9	29.9	30.5	32.1	34.1	36.1	37.2	37.4	37.0	36.9	36.9	36.9	36.9
R1656	Residential	29.9	30.0	30.6	32.1	34.2	36.1	37.3	37.4	37.0	36.9	36.9	37.0	37.0
R1657	Residential	29.6	29.7	30.3	31.9	34.0	35.9	37.1	37.2	36.8	36.7	36.7	36.7	36.7
R1658	Residential	29.7	29.7	30.3	31.9	34.0	35.9	37.1	37.2	36.8	36.7	36.7	36.8	36.8
R1659	Residential	29.8	29.8	30.4	32.0	34.0	35.9	37.1	37.3	36.8	36.8	36.8	36.8	36.8
R1660	Residential	29.8	29.8	30.4	32.0	34.0	35.9	37.1	37.3	36.8	36.8	36.8	36.8	36.8
R1661	Residential	29.9	29.9	30.5	32.1	34.0	36.0	37.2	37.4	36.9	36.8	36.9	36.9	36.9
R1662	Residential	30.0	30.0	30.6	32.1	34.1	36.0	37.2	37.4	36.9	36.9	36.9	36.9	36.9
R1663	Residential	29.9	29.9	30.5	32.1	34.1	36.0	37.2	37.4	36.9	36.9	36.9	36.9	36.9
R1664	Residential	29.9	29.9	30.5	32.0	34.0	36.0	37.2	37.3	36.9	36.8	36.8	36.9	36.9

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1665	Residential	29.8	29.9	30.5	32.0	34.0	36.0	37.1	37.3	36.9	36.8	36.8	36.8	36.8
R1666	Residential	29.8	29.8	30.4	32.0	34.0	35.9	37.1	37.3	36.8	36.8	36.8	36.8	36.8
R1667	Residential	29.8	29.8	30.4	32.0	34.0	35.9	37.1	37.3	36.8	36.8	36.8	36.8	36.8
R1668	Residential	29.7	29.7	30.4	32.0	34.0	35.9	37.1	37.2	36.8	36.7	36.8	36.8	36.8
R1669	Residential	29.7	29.7	30.3	32.0	34.0	35.9	37.1	37.2	36.8	36.7	36.7	36.8	36.8
R1670	Residential	29.7	29.7	30.3	31.9	34.0	35.9	37.1	37.2	36.8	36.7	36.7	36.8	36.8
R1671	Residential	29.7	29.7	30.4	32.0	34.1	36.0	37.1	37.3	36.9	36.8	36.8	36.8	36.8
R1672	Residential	29.8	29.8	30.4	32.0	34.1	36.0	37.2	37.3	36.9	36.8	36.8	36.9	36.9
R1673	Residential	29.7	29.7	30.4	32.1	34.1	36.0	37.2	37.4	36.9	36.8	36.9	36.9	36.9
R1674	Residential	29.5	29.5	30.2	31.8	33.9	35.8	37.0	37.1	36.7	36.6	36.6	36.6	36.6
R1675	Residential	29.5	29.5	30.2	31.8	33.9	35.8	36.9	37.1	36.6	36.6	36.6	36.6	36.6
R1676	Residential	29.4	29.5	30.1	31.8	33.9	35.7	36.9	37.1	36.6	36.6	36.6	36.6	36.6
R1677	Residential	29.5	29.6	30.3	32.0	34.0	35.9	37.1	37.2	36.8	36.7	36.7	36.8	36.8
R1678	Residential	29.6	29.6	30.3	32.0	34.1	35.9	37.1	37.3	36.8	36.7	36.8	36.8	36.8
R1679	Residential	29.6	29.6	30.3	32.0	34.1	36.0	37.1	37.3	36.8	36.8	36.8	36.8	36.8
R1680	Residential	29.6	29.7	30.3	32.0	34.1	36.0	37.1	37.3	36.9	36.8	36.8	36.8	36.8
R1681	Residential	29.6	29.7	30.3	32.0	34.1	36.0	37.2	37.3	36.9	36.8	36.8	36.8	36.8
R1682	Residential	29.6	29.7	30.4	32.0	34.1	36.0	37.2	37.3	36.9	36.8	36.8	36.9	36.8
R1683	Residential	29.6	29.7	30.4	32.0	34.1	36.0	37.2	37.3	36.9	36.8	36.8	36.9	36.9
R1684	Residential	29.6	29.7	30.4	32.1	34.2	36.0	37.2	37.3	36.9	36.8	36.8	36.9	36.9
R1685	Residential	29.6	29.7	30.4	32.1	34.2	36.0	37.2	37.3	36.9	36.8	36.8	36.9	36.9
R1686	Residential	29.6	29.7	30.4	32.1	34.2	36.0	37.2	37.3	36.9	36.8	36.9	36.9	36.9
R1687	Residential	29.0	29.1	29.1	30.4	32.3	34.7	36.1	36.3	35.6	35.5	35.5	35.5	35.5

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1688	Residential	31.4	31.5	31.5	32.6	34.3	36.7	38.1	38.3	37.7	37.6	37.6	37.6	37.6
R1689	Residential	35.0	35.0	35.1	36.0	37.5	39.9	41.3	41.6	41.0	40.9	40.9	41.0	41.0
R1690	Residential	42.0	42.0	42.0	43.4	45.4	47.6	48.9	49.1	48.4	48.2	48.3	48.3	48.3
R1691	Residential and Commercial	33.2	33.2	33.2	34.1	35.4	37.8	39.3	39.6	39.1	39.0	39.0	39.1	39.1
R1692	Residential and Commercial	33.0	33.0	33.0	33.9	35.3	37.7	39.2	39.5	38.9	38.8	38.9	38.9	38.9
R1700	Residential	27.1	27.1	29.9	33.1	36.0	37.2	37.9	37.9	37.8	37.7	37.8	37.8	37.8
R1701	Residential	31.8	31.8	33.8	36.8	39.7	41.1	41.9	41.9	41.5	41.4	41.5	41.5	41.5
R1702	Residential and Commercial	29.5	29.6	33.0	36.4	39.4	40.5	41.0	41.0	41.0	41.0	41.0	41.0	41.0
R1703	Residential	31.2	31.2	31.7	33.1	35.0	37.0	38.3	38.5	38.0	37.9	37.9	37.9	37.9
R1704	Residential	30.1	30.2	30.5	31.6	33.3	35.5	36.8	37.0	36.6	36.5	36.5	36.5	36.5
R1706	Residential	29.2	29.3	30.0	31.8	34.0	35.8	36.9	37.1	36.6	36.6	36.6	36.6	36.6
R1707	Residential	29.2	29.2	30.0	31.8	33.9	35.8	36.9	37.0	36.6	36.5	36.6	36.6	36.6
R1708	Residential	29.1	29.2	30.0	31.8	34.0	35.8	36.9	37.0	36.6	36.6	36.6	36.6	36.6
R1709	Residential	29.1	29.1	29.9	31.8	34.0	35.8	36.9	37.0	36.6	36.5	36.6	36.6	36.6
R1710	Residential	29.0	29.0	29.9	31.8	34.0	35.8	36.8	37.0	36.6	36.5	36.5	36.6	36.6
R1711	Residential	29.0	29.0	29.9	31.7	33.9	35.7	36.8	36.9	36.5	36.5	36.5	36.5	36.5
R1712	Residential	28.9	29.0	29.8	31.7	33.9	35.7	36.8	36.9	36.5	36.4	36.5	36.5	36.5
R1713	Residential	28.9	28.9	29.8	31.6	33.8	35.6	36.7	36.8	36.4	36.4	36.4	36.4	36.4
R1715	Residential	28.1	28.2	29.9	32.5	35.0	36.5	37.3	37.4	37.2	37.1	37.1	37.1	37.1
R1716	Commercial	27.9	27.9	28.0	29.1	30.7	33.1	34.6	34.8	34.2	34.1	34.1	34.2	34.2

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1717	Residential	27.8	27.8	30.3	33.4	36.3	37.6	38.3	38.3	38.1	38.0	38.1	38.1	38.1
R1720	Residential	40.9	40.9	41.0	43.6	46.5	48.5	49.6	49.6	48.4	48.2	48.3	48.3	48.3
R1721	Residential	35.3	35.3	35.4	36.5	38.2	40.6	42.0	42.2	41.5	41.4	41.4	41.5	41.5
R1722	Residential	28.6	28.6	31.8	35.1	38.1	39.2	39.8	39.8	39.7	39.7	39.7	39.7	39.7
R1723	Residential	27.5	27.6	30.3	33.4	36.3	37.5	38.2	38.2	38.1	38.0	38.0	38.0	38.0
R1726	Residential	32.3	32.3	32.5	33.5	35.0	37.3	38.6	38.9	38.4	38.4	38.4	38.4	38.4
R1730	Residential	34.6	34.6	34.7	35.7	37.2	39.6	41.0	41.3	40.7	40.6	40.6	40.6	40.6
R1731	Residential	38.6	38.7	38.7	39.0	39.6	42.1	43.7	44.2	44.0	44.0	44.0	44.0	44.0
R1735	Residential	29.8	29.8	30.2	31.3	33.0	35.1	36.5	36.7	36.2	36.2	36.2	36.2	36.2
R1736	Residential	31.8	31.9	31.9	32.6	33.7	36.2	37.6	38.0	37.6	37.5	37.6	37.6	37.6
R1738	Residential	29.7	29.7	30.4	32.0	34.1	36.0	37.2	37.3	36.9	36.8	36.8	36.9	36.9
R1739	Residential	29.9	29.9	30.5	32.1	34.1	36.0	37.2	37.4	36.9	36.9	36.9	36.9	36.9
R1740	Residential	29.9	29.9	30.5	32.1	34.1	36.0	37.2	37.4	36.9	36.9	36.9	36.9	36.9
R1750	Residential and Commercial	26.4	26.5	28.9	31.9	34.8	36.1	36.8	36.8	36.6	36.6	36.6	36.6	36.6
R1751	Residential	26.4	26.4	28.7	31.7	34.6	35.9	36.6	36.6	36.4	36.4	36.4	36.4	36.4
R1752	Commercial	27.3	27.4	30.2	33.3	36.2	37.4	38.1	38.1	38.0	37.9	38.0	38.0	38.0
R1753	Residential and Commercial	27.3	27.4	30.2	33.4	36.3	37.5	38.1	38.2	38.0	38.0	38.0	38.0	38.0
R1754	Residential	27.3	27.4	30.2	33.4	36.3	37.5	38.1	38.1	38.0	38.0	38.0	38.0	38.0
R1755	Residential	27.1	27.1	29.9	33.1	36.0	37.2	37.8	37.9	37.7	37.7	37.7	37.7	37.7
R1756	Residential	27.1	27.1	29.9	33.0	35.9	37.1	37.8	37.8	37.7	37.6	37.7	37.7	37.7
R1757	Residential	27.2	27.3	30.0	33.1	36.0	37.2	37.9	37.9	37.8	37.7	37.7	37.8	37.8

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1758	Residential	27.4	27.4	30.0	33.1	35.9	37.2	37.9	37.9	37.7	37.7	37.7	37.7	37.7
R1759	Residential	27.4	27.5	30.2	33.4	36.3	37.5	38.2	38.2	38.0	38.0	38.0	38.0	38.0
R1760	Residential	28.4	28.5	30.8	33.8	36.6	37.9	38.7	38.7	38.5	38.4	38.4	38.5	38.5
R1761	Residential	27.5	27.6	30.1	33.2	36.1	37.3	38.0	38.1	37.9	37.8	37.8	37.8	37.8
R1762	Residential and Commercial	27.9	28.0	30.6	33.7	36.6	37.8	38.5	38.5	38.4	38.3	38.3	38.3	38.3
R1763	Residential and Commercial	28.0	28.0	30.5	33.6	36.4	37.7	38.4	38.4	38.2	38.2	38.2	38.2	38.2
R1764	Residential	29.8	29.9	32.0	35.0	37.8	39.2	39.9	40.0	39.7	39.6	39.6	39.6	39.6
R1765	Residential	31.4	31.4	34.1	37.3	40.2	41.5	42.1	42.2	41.9	41.9	41.9	41.9	41.9
R1766	Residential	33.1	33.1	34.4	37.3	40.2	41.8	42.7	42.7	42.1	42.0	42.0	42.0	42.0
R1770	Residential	28.3	28.3	28.8	30.2	32.0	34.1	35.3	35.5	35.1	35.0	35.0	35.0	35.0
R1771	Residential	28.1	28.2	28.7	30.1	32.0	34.0	35.3	35.4	35.0	34.9	34.9	35.0	35.0
R1772	Residential	28.8	28.8	29.3	30.7	32.6	34.6	35.9	36.1	35.6	35.6	35.6	35.6	35.6
R1773	Residential	29.1	29.1	29.6	31.0	32.8	34.8	36.1	36.3	35.8	35.8	35.8	35.8	35.8
R1774	Residential	29.5	29.5	30.0	31.4	33.3	35.3	36.6	36.8	36.3	36.2	36.2	36.3	36.3
R1775	Residential	31.1	31.1	31.6	33.0	34.9	36.9	38.1	38.3	37.8	37.8	37.8	37.8	37.8
R1776	Residential	31.0	31.0	31.5	32.9	34.8	36.8	38.0	38.2	37.8	37.7	37.7	37.7	37.7
R1777	Residential	32.2	32.2	32.5	33.6	35.2	37.4	38.7	39.0	38.5	38.4	38.4	38.4	38.4
R1778	Residential and Commercial	33.5	33.5	33.7	34.6	36.1	38.4	39.8	40.0	39.5	39.5	39.5	39.5	39.5
R1779	Residential and Commercial	34.3	34.3	34.5	35.5	37.0	39.2	40.6	40.9	40.4	40.3	40.3	40.3	40.3
R1804	Residential	25.9	26.0	29.0	32.2	35.1	36.3	36.9	36.9	36.8	36.8	36.8	36.8	36.8

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1805	Residential and Commercial	25.9	25.9	28.4	31.4	34.2	35.5	36.2	36.2	36.1	36.0	36.1	36.1	36.1
R1806	Residential and Commercial	25.3	25.4	27.9	31.0	33.9	35.1	35.8	35.9	35.7	35.7	35.7	35.7	35.7
R1807	Residential and Commercial	25.8	25.8	28.4	31.5	34.4	35.6	36.3	36.3	36.2	36.1	36.2	36.2	36.2
R1808	Residential	25.8	25.8	28.3	31.3	34.2	35.5	36.2	36.2	36.0	36.0	36.0	36.0	36.0
R1809	Residential	25.8	25.8	28.3	31.4	34.3	35.5	36.2	36.3	36.1	36.1	36.1	36.1	36.1
R1810	Residential	25.7	25.8	28.3	31.4	34.2	35.5	36.2	36.3	36.1	36.0	36.1	36.1	36.1
R1811	Residential	25.6	25.7	28.4	31.6	34.5	35.7	36.4	36.4	36.3	36.2	36.2	36.3	36.3
R1812	Residential	27.7	27.7	29.8	32.7	35.4	36.7	37.5	37.6	37.3	37.3	37.3	37.3	37.3
R1813	Residential	27.7	27.7	29.8	32.6	35.3	36.6	37.4	37.5	37.2	37.2	37.2	37.2	37.2
R1814	Residential	27.8	27.9	29.8	32.5	35.2	36.6	37.4	37.4	37.2	37.2	37.2	37.2	37.2
R1815	Residential	28.1	28.2	29.9	32.4	35.0	36.4	37.3	37.4	37.1	37.1	37.1	37.1	37.1
R1816	Residential	28.1	28.1	29.7	32.2	34.7	36.2	37.0	37.1	36.9	36.8	36.8	36.8	36.8
R1817	Residential	28.1	28.1	29.7	32.1	34.6	36.1	37.0	37.1	36.8	36.8	36.8	36.8	36.8
R1818	Residential and Commercial	28.1	28.2	29.7	32.0	34.5	36.1	37.0	37.0	36.8	36.7	36.7	36.7	36.7
R1819	Residential	28.0	28.0	29.6	32.0	34.6	36.0	36.9	37.0	36.7	36.7	36.7	36.7	36.7
R1820	Residential	28.6	28.7	29.8	31.9	34.2	35.8	36.9	37.0	36.6	36.6	36.6	36.6	36.6
R1821	Residential	28.8	28.8	29.9	31.9	34.2	35.9	36.9	37.0	36.6	36.6	36.6	36.6	36.6
R1822	Residential	29.2	29.2	30.1	32.0	34.2	36.0	37.1	37.2	36.8	36.8	36.8	36.8	36.8
R1823	Residential	29.3	29.3	30.2	32.0	34.2	36.0	37.1	37.3	36.8	36.8	36.8	36.8	36.8
R1824	Commercial	29.2	29.2	30.1	31.9	34.1	35.9	37.0	37.2	36.8	36.7	36.7	36.7	36.7

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1825	Residential	29.6	29.6	30.3	32.1	34.2	36.0	37.2	37.3	36.9	36.8	36.9	36.9	36.9
R1826	Commercial	29.6	29.6	30.4	32.2	34.4	36.2	37.3	37.5	37.0	37.0	37.0	37.0	37.0
R1827	Commercial	29.6	29.6	30.4	32.2	34.4	36.2	37.3	37.5	37.0	37.0	37.0	37.0	37.0
R1828	Residential	29.4	29.5	30.2	32.0	34.2	36.0	37.1	37.3	36.8	36.8	36.8	36.8	36.8
R1829	Residential	29.5	29.5	30.3	32.0	34.2	36.0	37.1	37.3	36.8	36.8	36.8	36.8	36.8
R1830	Residential	29.5	29.5	30.3	32.0	34.2	36.0	37.1	37.3	36.8	36.8	36.8	36.8	36.8
R1831	Residential and Commercial	29.6	29.7	30.4	32.1	34.2	36.1	37.2	37.4	36.9	36.9	36.9	36.9	36.9
R1832	Residential	30.0	30.1	30.7	32.3	34.4	36.3	37.5	37.6	37.2	37.1	37.1	37.2	37.1
R1833	Residential	29.7	29.8	30.5	32.2	34.3	36.2	37.3	37.5	37.0	36.9	37.0	37.0	37.0
R1834	Commercial	30.0	30.0	30.6	32.2	34.3	36.2	37.4	37.5	37.1	37.0	37.0	37.0	37.0
R1835	Residential	30.5	30.5	31.0	32.5	34.5	36.4	37.6	37.8	37.4	37.3	37.3	37.3	37.3
R1836	Residential	31.8	31.9	32.2	33.6	35.4	37.5	38.8	39.0	38.5	38.4	38.4	38.4	38.4
R1837	Residential	28.8	28.8	29.4	30.9	32.8	34.8	36.0	36.2	35.8	35.7	35.7	35.8	35.7
R1838	Residential	28.5	28.5	29.1	30.7	32.6	34.6	35.8	36.0	35.5	35.5	35.5	35.5	35.5
R1839	Residential	27.9	27.9	28.6	30.2	32.2	34.1	35.3	35.5	35.1	35.0	35.0	35.1	35.1
R1842	Residential	29.6	29.7	33.2	36.6	39.5	40.6	41.2	41.2	41.1	41.1	41.1	41.1	41.1
R1843	Residential	30.2	30.2	33.9	37.3	40.3	41.3	41.9	41.9	41.8	41.8	41.8	41.8	41.8
R1844	Residential and Commercial	29.7	29.7	33.3	36.8	39.7	40.8	41.3	41.4	41.3	41.3	41.3	41.3	41.3
R1845	Residential and Commercial	24.1	24.2	26.9	30.0	32.9	34.1	34.8	34.8	34.7	34.7	34.7	34.7	34.7
R1846	Residential	30.4	30.4	34.1	37.5	40.5	41.6	42.1	42.1	42.1	42.1	42.1	42.1	42.1

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1859	Residential and Commercial	25.7	25.7	28.5	31.7	34.6	35.8	36.5	36.5	36.4	36.3	36.3	36.4	36.3
R1860	Residential and Commercial	28.5	28.5	31.7	35.1	38.0	39.1	39.7	39.8	39.7	39.6	39.6	39.6	39.6
R1861	Residential	29.1	29.1	32.5	35.9	38.8	39.9	40.5	40.5	40.5	40.4	40.4	40.4	40.4
R1862	Residential and Commercial	42.9	42.9	42.9	43.3	44.1	46.6	48.1	48.6	48.4	48.4	48.4	48.4	48.4
R1863	Residential	43.2	43.2	43.2	43.5	44.1	46.6	48.2	48.7	48.7	48.6	48.6	48.6	48.6
R1864	Residential	42.5	42.5	42.5	42.8	43.3	45.8	47.4	48.0	47.9	47.8	47.8	47.9	47.9
R1865	Residential	40.6	40.6	40.7	41.0	41.5	44.0	45.6	46.1	46.0	46.0	46.0	46.0	46.0
R1866	Residential and Commercial	31.6	31.6	31.6	32.6	34.1	36.5	38.0	38.2	37.6	37.5	37.6	37.6	37.6
R1867	Residential and Commercial	30.9	30.9	30.9	31.9	33.5	35.9	37.4	37.6	37.0	36.9	36.9	37.0	37.0
R1868	Residential and Commercial	30.4	30.5	30.5	31.6	33.2	35.6	37.0	37.3	36.6	36.5	36.6	36.6	36.6
R1869	Residential	27.4	27.5	27.5	28.9	30.7	33.1	34.6	34.7	34.1	33.9	34.0	34.0	34.0
R1870	Residential and Commercial	29.3	29.3	29.3	30.4	31.9	34.4	35.8	36.1	35.5	35.4	35.4	35.4	35.4
R1871	Residential	28.5	28.6	28.6	29.7	31.4	33.8	35.3	35.5	34.9	34.8	34.8	34.8	34.8
R1872	Residential and Commercial	27.6	27.6	27.7	28.9	30.6	33.0	34.5	34.7	34.0	33.9	34.0	34.0	34.0
R1873	Residential	28.3	28.4	28.4	29.5	31.1	33.5	35.0	35.2	34.6	34.5	34.6	34.6	34.6
R1874	Residential	28.4	28.5	28.5	29.6	31.1	33.6	35.0	35.3	34.7	34.6	34.6	34.7	34.6
R1875	Residential	28.5	28.6	28.6	29.6	31.1	33.6	35.0	35.3	34.7	34.6	34.6	34.7	34.7

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1876	Residential	28.5	28.6	28.6	29.7	31.2	33.6	35.1	35.3	34.8	34.7	34.7	34.7	34.7
R1882	Residential	28.9	29.0	29.0	30.1	31.6	34.1	35.6	35.8	35.2	35.1	35.1	35.1	35.1
R1883	Residential	27.9	27.9	28.0	29.1	30.7	33.1	34.6	34.8	34.2	34.1	34.2	34.2	34.2
R1884	Residential	28.5	28.5	28.6	29.6	31.2	33.6	35.0	35.3	34.7	34.6	34.6	34.7	34.7
R1887	Residential and Commercial	39.7	39.7	39.7	41.0	42.9	45.1	46.5	46.7	46.0	45.8	45.9	45.9	45.9
R1888	Residential	35.3	35.3	35.3	36.4	38.1	40.5	41.9	42.1	41.4	41.3	41.4	41.4	41.4
R1889	Residential and Commercial	36.7	36.7	36.7	37.8	39.4	41.8	43.2	43.4	42.8	42.6	42.7	42.7	42.7
R1890	Residential	36.1	36.1	36.1	37.1	38.6	41.0	42.4	42.7	42.1	42.0	42.0	42.0	42.0
R1891	Residential and Commercial	34.0	34.1	34.1	35.4	37.4	39.6	41.0	41.2	40.4	40.3	40.3	40.4	40.4
R1892	Residential	32.7	32.7	32.8	33.8	35.4	37.8	39.2	39.4	38.8	38.7	38.7	38.8	38.8
R1893	Residential	32.5	32.5	32.6	33.6	35.2	37.6	39.0	39.3	38.6	38.5	38.6	38.6	38.6
R1894	Residential	31.0	31.1	31.1	32.3	34.1	36.4	37.9	38.1	37.4	37.3	37.3	37.3	37.3
R1895	Residential	30.7	30.8	30.8	32.0	33.7	36.1	37.5	37.7	37.0	36.9	36.9	37.0	37.0
R1896	Residential	32.2	32.2	32.3	33.9	36.0	38.3	39.6	39.7	38.9	38.7	38.8	38.9	38.8
R1897	Residential and Commercial	34.0	34.1	34.2	36.1	38.5	40.6	41.9	41.9	41.0	40.8	40.9	41.0	40.9
R1898	Residential	36.8	36.8	36.9	39.2	42.0	44.0	45.2	45.2	44.1	43.8	43.9	44.0	44.0
R1899	Residential	31.1	31.1	31.3	32.1	33.5	35.8	37.2	37.5	37.1	37.0	37.0	37.1	37.1
R1900	Residential and Commercial	34.2	34.2	34.3	35.2	36.6	39.0	40.4	40.6	40.2	40.1	40.1	40.1	40.1

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1903	Residential and Commercial	36.1	36.1	36.1	37.0	38.6	40.9	42.4	42.6	42.0	41.9	41.9	42.0	42.0
R1904	Residential	33.8	33.9	33.9	34.9	36.5	38.8	40.3	40.5	39.9	39.8	39.8	39.9	39.9
R1905	Residential	31.6	31.6	31.7	32.8	34.5	36.9	38.3	38.5	37.9	37.7	37.8	37.8	37.8
R1906	Residential	30.2	30.2	30.3	31.5	33.3	35.6	37.1	37.3	36.6	36.5	36.5	36.5	36.5
R1907	Residential and Commercial	43.9	44.0	44.0	44.2	44.7	47.2	48.8	49.4	49.3	49.3	49.3	49.3	49.3
R1908	Residential	40.7	40.7	40.7	41.0	41.6	44.2	45.7	46.2	46.1	46.0	46.0	46.1	46.0
R1911	Residential	30.0	30.0	30.2	31.2	32.6	34.9	36.3	36.6	36.1	36.1	36.1	36.1	36.1
R1912	Residential and Commercial	31.9	31.9	32.1	32.9	34.3	36.6	38.0	38.3	37.9	37.8	37.8	37.8	37.8
R1913	Residential	32.3	32.3	32.4	33.1	34.3	36.7	38.2	38.5	38.1	38.1	38.1	38.1	38.1
R1914	Residential and Commercial	30.7	30.8	31.0	31.9	33.4	35.7	37.1	37.3	36.9	36.8	36.8	36.8	36.8
R1915	Residential and Commercial	30.0	30.0	30.2	31.2	32.7	34.9	36.3	36.6	36.1	36.1	36.1	36.1	36.1
R1916	Residential	43.5	43.5	43.5	43.7	44.0	46.5	48.2	48.7	48.8	48.8	48.8	48.8	48.8
R1917	Residential	35.5	35.5	35.6	36.2	37.4	39.8	41.3	41.6	41.2	41.1	41.2	41.2	41.2
R1918	Residential	34.1	34.1	34.2	34.8	36.0	38.4	39.8	40.2	39.8	39.7	39.8	39.8	39.8
R1919	Residential and Commercial	33.0	33.0	33.1	33.8	35.0	37.4	38.8	39.1	38.8	38.7	38.7	38.8	38.8
R1920	Residential	31.5	31.5	31.7	32.6	33.9	36.2	37.7	37.9	37.5	37.5	37.5	37.5	37.5
R1926	Residential and Commercial	31.3	31.3	31.5	32.3	33.6	36.0	37.4	37.7	37.3	37.2	37.2	37.3	37.3

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1941	Residential	39.2	39.2	39.2	39.4	39.9	42.5	44.1	44.6	44.5	44.5	44.5	44.5	44.5
R1942	Residential	36.7	36.7	36.7	37.1	37.8	40.3	41.9	42.3	42.1	42.1	42.1	42.1	42.1
R1943	Residential	34.9	34.9	34.9	35.4	36.3	38.8	40.4	40.8	40.4	40.4	40.4	40.4	40.4
R1944	Residential and Commercial	33.0	33.0	33.1	33.7	34.7	37.2	38.7	39.1	38.7	38.7	38.7	38.7	38.7
R1945	Residential	32.0	32.1	32.1	32.8	34.0	36.5	37.9	38.3	37.9	37.8	37.8	37.9	37.9
R1946	Residential	31.7	31.8	31.8	32.6	33.7	36.2	37.7	38.0	37.6	37.5	37.6	37.6	37.6
R1947	Residential	31.5	31.5	31.6	32.3	33.6	36.0	37.5	37.8	37.4	37.3	37.3	37.4	37.3
R1948	Residential	29.2	29.2	29.3	30.3	31.7	34.1	35.6	35.9	35.3	35.3	35.3	35.3	35.3
R1949	Residential and Commercial	31.2	31.2	31.3	32.0	33.2	35.6	37.1	37.4	37.0	37.0	37.0	37.0	37.0
R1950	Residential and Commercial	29.8	29.8	29.9	30.6	31.8	34.3	35.8	36.1	35.6	35.6	35.6	35.6	35.6
R1951	Residential	29.5	29.6	29.6	30.4	31.7	34.2	35.7	35.9	35.4	35.4	35.4	35.4	35.4
R1952	Residential and Commercial	30.8	30.8	30.9	31.6	32.8	35.2	36.7	37.0	36.6	36.5	36.5	36.6	36.6
R1953	Residential	28.2	28.2	28.4	29.3	30.8	33.2	34.6	34.9	34.4	34.3	34.3	34.4	34.3
R1955	Residential and Commercial	33.5	33.5	33.5	34.0	34.9	37.4	38.9	39.3	39.0	38.9	38.9	39.0	39.0
R1956	Residential and Commercial	32.8	32.8	32.9	33.5	34.5	36.9	38.4	38.8	38.5	38.4	38.4	38.4	38.4
R1957	Residential and Commercial	33.3	33.3	33.4	33.9	34.8	37.3	38.8	39.2	38.9	38.9	38.9	38.9	38.9
R1958	Residential	37.3	37.3	37.3	37.6	38.2	40.7	42.3	42.8	42.7	42.6	42.6	42.6	42.6

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1959	Residential and Commercial	37.0	37.0	37.0	37.3	37.9	40.4	42.0	42.5	42.4	42.3	42.3	42.3	42.3
R1960	Residential and Commercial	33.2	33.2	33.3	33.9	34.9	37.4	38.9	39.2	38.9	38.8	38.8	38.9	38.9
R1961	Residential	32.5	32.5	32.6	33.3	34.4	36.8	38.3	38.7	38.3	38.2	38.2	38.3	38.3
R1962	Residential	31.6	31.7	31.8	32.6	33.9	36.2	37.6	37.9	37.5	37.5	37.5	37.5	37.5
R1964	Residential and Commercial	28.9	28.9	29.0	29.9	31.2	33.7	35.2	35.4	34.9	34.8	34.9	34.9	34.9
R1965	Residential and Commercial	28.2	28.3	28.4	29.3	30.8	33.2	34.7	34.9	34.4	34.3	34.3	34.4	34.4
R1967	Residential and Commercial	32.9	32.9	32.9	33.6	34.8	37.2	38.7	39.1	38.6	38.6	38.6	38.6	38.6
R1968	Residential	29.2	29.2	29.3	30.3	31.9	34.3	35.7	36.0	35.4	35.3	35.4	35.4	35.4
R1969	Residential	31.5	31.5	31.6	32.2	33.2	35.7	37.2	37.5	37.2	37.1	37.1	37.2	37.1
R1970	Residential and Commercial	30.0	30.0	30.1	31.0	32.2	34.7	36.1	36.4	35.9	35.9	35.9	35.9	35.9
R1972	Residential	32.7	32.7	32.8	33.4	34.4	36.9	38.4	38.7	38.4	38.3	38.4	38.4	38.4
R1973	Residential and Commercial	35.0	35.0	35.0	35.5	36.2	38.8	40.3	40.7	40.5	40.5	40.5	40.5	40.5
R1974	Residential and Commercial	33.1	33.1	33.2	33.8	34.7	37.2	38.7	39.1	38.7	38.7	38.7	38.7	38.7
R1975	Residential	31.9	31.9	32.0	32.8	34.0	36.4	37.8	38.2	37.7	37.7	37.7	37.7	37.7
R1993	Residential and Commercial	44.9	44.9	44.9	45.0	45.2	47.7	49.4	50.0	50.1	50.1	50.1	50.1	50.1
R1994	Residential	45.5	45.5	45.5	45.6	45.7	48.3	49.9	50.6	50.7	50.7	50.7	50.7	50.7

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R1995	Residential and Commercial	43.4	43.5	43.5	43.6	43.8	46.3	48.0	48.6	48.7	48.7	48.7	48.7	48.7
R1996	Residential	37.0	37.0	37.0	37.4	38.1	40.6	42.2	42.6	42.5	42.4	42.4	42.4	42.4
R1998	Residential	28.5	28.5	28.7	29.6	31.0	33.4	34.9	35.1	34.6	34.6	34.6	34.6	34.6
R2001	Residential	27.5	27.5	30.3	33.5	36.4	37.6	38.3	38.3	38.1	38.1	38.1	38.1	38.1
R2002	Commercial	28.7	28.8	32.0	35.4	38.3	39.4	40.0	40.1	40.0	39.9	40.0	40.0	40.0
R2004	Commercial	38.7	38.8	42.7	46.2	49.2	50.2	50.7	50.7	50.7	50.7	50.7	50.7	50.7
R2005	Residential	43.7	43.7	43.7	43.8	44.0	46.6	48.2	48.9	49.0	48.9	49.0	49.0	49.0
R2276	Residential and Commercial	23.2	23.3	26.9	30.4	33.3	34.4	34.9	35.0	34.9	34.9	34.9	34.9	34.9
R2277	Residential and Commercial	23.7	23.8	27.3	30.8	33.7	34.8	35.3	35.4	35.3	35.3	35.3	35.3	35.3
R2293	Residential and Commercial	27.3	27.3	31.1	34.6	37.6	38.6	39.2	39.2	39.1	39.1	39.1	39.1	39.1
R2299	Residential	22.7	22.7	26.5	29.9	32.9	34.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5
R2300	Residential	22.8	22.8	26.6	30.0	33.0	34.1	34.6	34.6	34.6	34.6	34.6	34.6	34.6
R2332	Residential	26.4	26.5	30.2	33.7	36.7	37.7	38.3	38.3	38.2	38.2	38.2	38.2	38.2
R2333	Residential	27.7	27.8	31.5	35.0	38.0	39.0	39.6	39.6	39.6	39.6	39.6	39.6	39.6
R2334	Residential	23.3	23.3	27.0	30.5	33.5	34.5	35.1	35.1	35.1	35.1	35.1	35.1	35.1
R2340	Residential	31.3	31.4	35.1	38.6	41.6	42.6	43.2	43.2	43.2	43.1	43.1	43.2	43.1
R2353	Residential	22.8	22.8	26.5	30.0	33.0	34.0	34.6	34.6	34.6	34.6	34.6	34.6	34.6
R2367	Residential	27.1	27.1	30.9	34.3	37.3	38.4	38.9	38.9	38.9	38.9	38.9	38.9	38.9
R2368	Residential	27.8	27.8	31.6	35.1	38.1	39.1	39.6	39.6	39.6	39.6	39.6	39.6	39.6
R2369	Residential	23.2	23.2	26.9	30.4	33.4	34.5	35.0	35.0	35.0	35.0	35.0	35.0	35.0

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R2376	Residential	25.2	25.2	29.0	32.5	35.5	36.5	37.1	37.1	37.0	37.0	37.0	37.0	37.0
R2413	Residential	21.7	21.7	25.3	28.8	31.7	32.8	33.4	33.4	33.3	33.3	33.3	33.3	33.3
R2415	Residential	22.9	23.0	26.6	30.1	33.1	34.1	34.7	34.7	34.6	34.6	34.6	34.6	34.6
R2416	Residential	25.4	25.4	29.2	32.7	35.6	36.7	37.2	37.2	37.2	37.2	37.2	37.2	37.2
R2421	Residential	23.8	23.8	27.5	30.9	33.9	34.9	35.5	35.5	35.5	35.5	35.5	35.5	35.4
R2422	Residential	24.7	24.8	28.4	31.9	34.9	35.9	36.5	36.5	36.4	36.4	36.4	36.4	36.4
R2423	Residential	25.5	25.6	29.3	32.8	35.7	36.8	37.3	37.3	37.3	37.3	37.3	37.3	37.3
R2424	Residential	25.8	25.8	29.5	33.0	36.0	37.0	37.6	37.6	37.5	37.5	37.5	37.5	37.5
R2425	Residential	26.1	26.1	29.9	33.3	36.3	37.3	37.9	37.9	37.9	37.8	37.9	37.9	37.8
R2426	Residential	25.0	25.0	28.7	32.2	35.2	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7
R2427	Residential	24.9	25.0	28.7	32.2	35.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7
R2428	Residential and Commercial	31.1	31.1	35.0	38.5	41.4	42.5	43.0	43.0	43.0	43.0	43.0	43.0	43.0
R2429	Residential	28.7	28.7	32.5	36.0	39.0	40.0	40.5	40.5	40.5	40.5	40.5	40.5	40.5
R2430	Residential and Commercial	25.8	25.9	29.6	33.0	36.0	37.1	37.6	37.6	37.6	37.6	37.6	37.6	37.6
R2431	Residential	23.1	23.2	26.7	30.1	33.1	34.2	34.7	34.7	34.7	34.7	34.7	34.7	34.7
R2435	Residential	23.2	23.3	26.9	30.3	33.3	34.4	34.9	34.9	34.9	34.9	34.9	34.9	34.9
R2447	Residential	28.8	28.8	32.7	36.2	39.2	40.2	40.7	40.7	40.7	40.7	40.7	40.7	40.7
R2448	Residential and Commercial	28.6	28.6	32.5	36.0	39.0	40.0	40.5	40.5	40.5	40.5	40.5	40.5	40.5
R2449	Residential	29.9	29.9	33.8	37.3	40.3	41.3	41.8	41.8	41.8	41.8	41.8	41.8	41.8
R2450	Residential and Commercial	30.9	30.9	34.8	38.3	41.3	42.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R2451	Residential	31.5	31.5	35.4	38.9	41.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4
R2456	Residential	31.3	31.3	35.1	38.6	41.6	42.6	43.1	43.1	43.1	43.1	43.1	43.1	43.1
R2459	Residential	22.9	23.0	26.7	30.2	33.2	34.2	34.7	34.8	34.7	34.7	34.7	34.7	34.7
R2462	Residential	27.2	27.2	31.0	34.5	37.5	38.5	39.0	39.0	39.0	39.0	39.0	39.0	39.0
R2570	Residential and Commercial	24.7	24.7	28.4	31.9	34.8	35.9	36.4	36.4	36.4	36.4	36.4	36.4	36.4
R2574	Residential	26.0	26.0	29.8	33.3	36.3	37.4	37.9	37.9	37.9	37.9	37.9	37.9	37.9
R2575	Residential	25.9	25.9	29.7	33.2	36.2	37.2	37.7	37.8	37.7	37.7	37.7	37.7	37.7
R2579	Residential	24.3	24.4	28.0	31.4	34.4	35.4	36.0	36.0	36.0	35.9	36.0	36.0	35.9
R2583	Residential	31.5	31.5	35.3	38.8	41.7	42.8	43.3	43.3	43.3	43.3	43.3	43.3	43.3
R2594	Residential	25.3	25.4	29.1	32.6	35.5	36.6	37.1	37.1	37.1	37.1	37.1	37.1	37.1
R2595	Residential	23.8	23.9	27.5	31.0	33.9	35.0	35.5	35.6	35.5	35.5	35.5	35.5	35.5
R2597	Residential	25.6	25.6	29.4	32.9	35.9	36.9	37.4	37.4	37.4	37.4	37.4	37.4	37.4
R2630	Residential	27.4	27.4	31.2	34.7	37.7	38.7	39.2	39.2	39.2	39.2	39.2	39.2	39.2
R2631	Residential	25.1	25.1	28.8	32.3	35.3	36.3	36.8	36.8	36.8	36.8	36.8	36.8	36.8
R2632	Residential	24.8	24.9	28.6	32.0	35.0	36.0	36.6	36.6	36.6	36.6	36.6	36.6	36.5
R2633	Residential	24.3	24.3	28.0	31.4	34.4	35.5	36.0	36.0	36.0	36.0	36.0	36.0	36.0
R2634	Residential	23.1	23.1	26.8	30.2	33.2	34.2	34.8	34.8	34.8	34.8	34.8	34.8	34.7
R2635	Residential	23.1	23.1	26.7	30.2	33.2	34.2	34.8	34.8	34.7	34.7	34.7	34.7	34.7
R2636	Residential and Commercial	23.0	23.0	26.7	30.1	33.1	34.2	34.7	34.7	34.7	34.7	34.7	34.7	34.7
R2637	Residential	25.2	25.2	28.9	32.4	35.4	36.4	37.0	37.0	36.9	36.9	36.9	36.9	36.9
R2638	Residential	24.9	25.0	28.7	32.2	35.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R2639	Residential	21.6	21.6	25.2	28.6	31.6	32.7	33.2	33.3	33.2	33.2	33.2	33.2	33.2
R2640	Residential	22.9	22.9	26.6	30.0	33.0	34.0	34.6	34.6	34.6	34.6	34.6	34.6	34.5
R2641	Residential	26.4	26.5	30.3	33.7	36.7	37.8	38.3	38.3	38.3	38.3	38.3	38.3	38.3
R2691	Residential	22.8	22.8	26.5	30.0	33.0	34.1	34.6	34.6	34.6	34.6	34.6	34.6	34.6
R2700	Residential and Commercial	23.3	23.3	27.0	30.4	33.4	34.5	35.1	35.1	35.0	35.0	35.0	35.0	35.0
R2701	Residential and Commercial	23.7	23.7	27.4	30.9	33.9	35.0	35.5	35.5	35.5	35.5	35.5	35.5	35.5
R2702	Residential and Commercial	26.1	26.2	30.0	33.4	36.4	37.5	38.0	38.0	38.0	38.0	38.0	38.0	38.0
R2703	Residential	31.3	31.3	35.1	38.6	41.5	42.6	43.1	43.1	43.1	43.1	43.1	43.1	43.1
R2787	Residential	23.1	23.1	26.7	30.1	33.1	34.2	34.7	34.7	34.7	34.7	34.7	34.7	34.7
R2788	Residential	26.3	26.3	30.0	33.5	36.4	37.5	38.0	38.0	38.0	38.0	38.0	38.0	38.0
R2789	Residential and Commercial	24.3	24.4	27.9	31.4	34.3	35.4	35.9	35.9	35.9	35.9	35.9	35.9	35.9
R2790	Residential	23.3	23.4	26.9	30.4	33.3	34.4	34.9	34.9	34.9	34.9	34.9	34.9	34.9
R2806	Residential	23.0	23.1	26.6	30.0	33.0	34.1	34.6	34.6	34.6	34.6	34.6	34.6	34.6
R2819	Residential	23.3	23.3	27.0	30.4	33.4	34.5	35.0	35.1	35.0	35.0	35.0	35.0	35.0
R2824	Residential	24.1	24.2	27.6	31.1	34.0	35.1	35.6	35.7	35.6	35.6	35.6	35.6	35.6
R2830	Residential	22.9	23.0	26.6	30.0	33.0	34.1	34.6	34.6	34.6	34.6	34.6	34.6	34.6
R2845	Residential	31.6	31.6	35.4	38.9	41.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4
R2852	Residential and Commercial	26.3	26.3	29.9	33.3	36.3	37.3	37.9	37.9	37.9	37.9	37.9	37.9	37.9
R2854	Residential	25.5	25.6	29.0	32.4	35.4	36.5	37.1	37.1	37.0	37.0	37.0	37.0	37.0

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R2862	Residential	26.0	26.0	29.6	33.0	36.0	37.1	37.6	37.7	37.6	37.6	37.6	37.6	37.6
R2867	Residential and Commercial	25.7	25.8	29.3	32.7	35.7	36.8	37.3	37.3	37.3	37.3	37.3	37.3	37.3
R2880	Residential	27.5	27.6	31.3	34.7	37.7	38.8	39.3	39.3	39.3	39.3	39.3	39.3	39.3
R2881	Residential	26.4	26.4	30.0	33.4	36.3	37.4	38.0	38.0	37.9	37.9	37.9	37.9	37.9
R2882	Residential	26.2	26.2	29.8	33.2	36.2	37.2	37.8	37.8	37.8	37.8	37.8	37.8	37.8
R2883	Residential and Commercial	24.8	24.8	28.3	31.7	34.6	35.7	36.3	36.3	36.3	36.3	36.3	36.3	36.3
R2884	Residential	22.1	22.2	25.5	28.9	31.8	32.9	33.5	33.6	33.5	33.5	33.5	33.5	33.5
R2885	Commercial	26.0	26.1	29.6	33.0	36.0	37.0	37.6	37.6	37.6	37.6	37.6	37.6	37.6
R2886	Residential	26.5	26.5	30.1	33.5	36.5	37.6	38.1	38.1	38.1	38.1	38.1	38.1	38.1
R2891	Residential	25.0	25.0	28.8	32.3	35.3	36.3	36.8	36.8	36.8	36.8	36.8	36.8	36.8
R2906	Residential	26.3	26.4	29.9	33.3	36.3	37.3	37.9	37.9	37.9	37.9	37.9	37.9	37.9
R2911	Residential	24.2	24.3	28.0	31.5	34.5	35.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1
R2935	Residential	23.8	23.9	27.6	31.1	34.1	35.1	35.7	35.7	35.7	35.7	35.7	35.7	35.7
R2936	Residential	24.6	24.7	28.4	31.9	34.9	35.9	36.5	36.5	36.5	36.5	36.5	36.5	36.5
R2937	Residential and Commercial	24.7	24.7	28.4	31.9	34.9	35.9	36.5	36.5	36.5	36.5	36.5	36.5	36.5
R2938	Residential and Commercial	24.2	24.2	28.0	31.5	34.4	35.5	36.0	36.0	36.0	36.0	36.0	36.0	36.0
R2969	Residential	23.4	23.5	26.9	30.3	33.2	34.3	34.9	34.9	34.9	34.9	34.9	34.9	34.9
R2970	Residential	23.7	23.7	27.1	30.5	33.5	34.6	35.2	35.2	35.1	35.1	35.1	35.1	35.1
R2971	Residential	22.4	22.4	25.8	29.2	32.1	33.2	33.8	33.9	33.8	33.8	33.8	33.8	33.8
R2972	Residential	22.2	22.3	25.6	29.0	31.9	33.0	33.6	33.7	33.6	33.6	33.6	33.6	33.6

Receptor ID	Description	Predicted Noise Level (dB L_{A90}) at Standardised 10m Height Wind Speeds (m/s)												
		2	3	4	5	6	7	8	9	10	11	12	13	14
R2978	Residential and Commercial	27.2	27.2	30.8	34.2	37.2	38.2	38.8	38.8	38.8	38.8	38.8	38.8	38.8
R2979	Residential	28.1	28.1	31.8	35.2	38.2	39.3	39.8	39.8	39.8	39.8	39.8	39.8	39.8
R2981	Residential	25.3	25.3	28.8	32.1	35.1	36.2	36.8	36.8	36.7	36.7	36.7	36.7	36.7
R2982	Residential	25.9	26.0	29.6	33.0	36.0	37.0	37.6	37.6	37.6	37.6	37.6	37.6	37.6
R2983	Residential	26.2	26.2	29.8	33.2	36.2	37.2	37.8	37.8	37.8	37.8	37.8	37.8	37.8
R2984	Residential	23.2	23.3	27.0	30.5	33.5	34.5	35.1	35.1	35.1	35.0	35.0	35.0	35.0
R2986	Residential	27.0	27.0	30.6	34.1	37.0	38.1	38.6	38.6	38.6	38.6	38.6	38.6	38.6
R2988	Unknown	28.1	29.2	31.3	35.2	37.3	38.4	38.5	38.6	38.6	38.5	38.5	38.5	38.4
R2989	Unknown	27.1	27.6	28.8	31.6	33.4	34.6	34.8	35.0	34.9	34.8	34.8	34.8	34.6
R2991	Residential	28.4	28.8	29.7	32.1	33.8	35.1	35.2	35.4	35.3	35.3	35.3	35.3	34.9
R2992	Residential	28.4	28.7	29.7	32.1	33.8	35.1	35.2	35.4	35.3	35.2	35.3	35.3	34.9
R2993	Residential	25.1	25.9	28.4	32.2	34.7	35.8	36.2	36.3	36.2	36.2	36.2	36.2	36.1
R2994	Residential	26.8	27.8	30.4	34.5	36.9	38.0	38.4	38.4	38.3	38.3	38.3	38.3	38.3
R2995	Residential	26.9	28.0	30.6	34.7	37.1	38.2	38.6	38.6	38.5	38.5	38.5	38.5	38.5