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# SOUND MODELING REPORT
# GOOSE CREEK WIND

February 2023

Apex Clean Energy

**Report Title**:

Sound Modeling Report Goose Creek Wind


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# CONTENTS

## LIST OF FIGURES



## LIST OF TABLES

# 1.0 INTRODUCTION

Goose Creek Wind, LLC (“Applicant” or “Goose Creek Wind”), an indirect subsidiary of Apex Clean Energy Holdings, LLC (“Apex”) is developing a 300 MW wind power generation facility (“Project”) proposed in Piatt County, Illinois. The Project will include installation of up to 50 wind turbines and associated infrastructure including a Project substation. As part of the Project’s special use permit application for the county, RSG conducted sound propagation modeling for the proposed turbine layout to assess compliance with County ordinances and Illinois Pollution Control Board (“IPCB”) standards. Included in this report are:

- A description of the Project;
- Identification of applicable sound level standards;
- Sound propagation modeling procedures and results; and,
- Conclusions.

Appendix A includes a primer on the science of sound, including descriptions of some of the acoustical terms used in this report, and Appendix B includes a discussion of sound topics that are particular to wind farms.

# 2.0 PROJECT DESCRIPTION

The Goose Creek Wind Farm is proposed to be located in the most northerly section of Piatt County, Illinois, south and east of Farmer City and northwest of White Heath and Interstate 72. Up to 50 wind turbines are proposed with a total capacity of 300 MW. The area around the Project is composed primarily of agricultural land uses with rural and farm residences spread throughout the area. The terrain is mostly flat.

This study assesses a layout[1] that includes a total of 50 Vestas V162 6.0 MW wind turbines. In addition, this assessment includes two high-voltage transformers (166 MVA each) at the Project substation that step the voltage from 34.5 kV on the low side up to 345 kV on the high side.

The majority of the proposed wind turbines are between Interstate 74 to the north and Illinois Route 10 (IL-10) to the south. There are 13 turbines proposed north of Interstate 74 and up to 5 turbines proposed to the south of IL-10. From east to west, the Project stretches from the Piatt/Champaign County line to the Piatt/DeWitt County line. The Village of Mansfield lies within the Project area, but the closest wind turbine location, currently under consideration[1], is approximately 2.9 kilometers (1.8 miles) to the north. Similarly, the village of De Land is located generally to the southwest of the Project area with the closest turbine location, currently under consideration[1], approximately 1.4 kilometers (0.9 miles) to the northwest.

The Project substation would be located in the southern half of the Project area on N 700 East Road approximately 1.2 kilometers (0.75 miles) north of IL-10.

A map of the proposed Project, including the 50 turbine locations evaluated in this assessment, is provided in Figure 1. Given the scale of the map and the size of the Project substation, it is difficult to see where the substation is located, but it is just to the east of label “T61” in the southern portion of the Project area.

Sapphire Sky is another wind farm in the area that is currently under construction. It is located to the north in McLean County. At its closest point it is approximately 3.8 kilometers (2.4 miles) northwest of a Goose Creek turbine location currently under consideration[1]. Based on information available through McLean County regarding turbine locations and turbine models, we have included the sound emissions from Sapphire Sky in the sound propagation model in this assessment in addition to those of Goose Creek. This is discussed further in Section 4.0.

[1] Layout 060 (20230210)

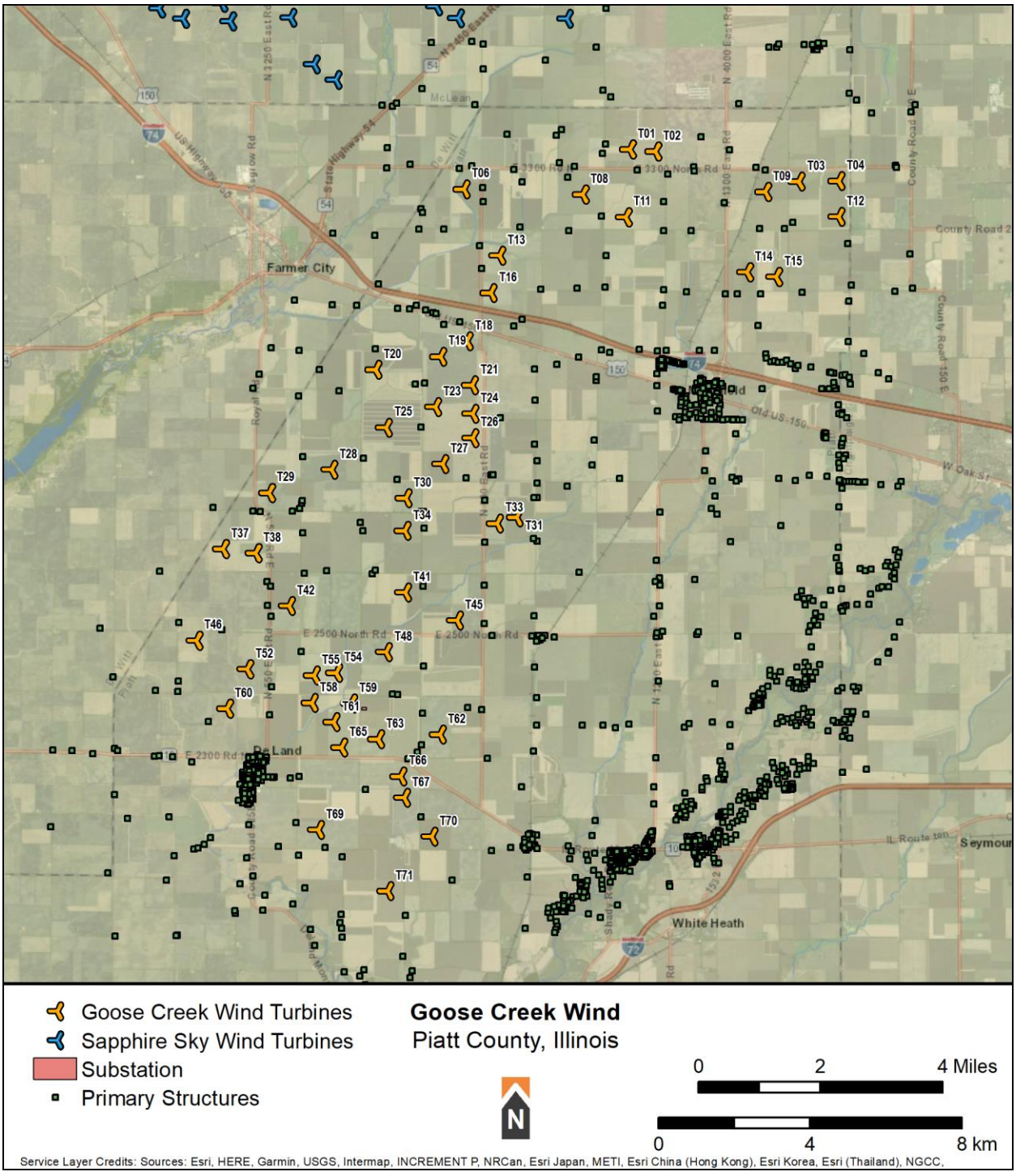


**FIGURE 1: SITE MAP**

# 3.0 NOISE STANDARDS

## 3.1 LOCAL STANDARDS

Appendix A of the Piatt County Zoning Ordinance contains standards for wind turbines over 500 kW. Regarding noise, Section IX of the appendix states:

> *Noise levels from each WECS or WECS project shall be in compliance with applicable Illinois pollution control board (IPCB) regulations. The applicant, through the use of a qualified professional as part of the special use application process, shall appropriately demonstrate compliance with the above noise requirements, with the condition that homes and families that are affected by wind turbine noise levels are given due consideration as it relates to the health and enjoyment of those individuals.*

## 3.2 STATE STANDARDS

The State of Illinois regulates noise through Title 35, Subtitle H of the Illinois Administrative Code (the "Code"). In Section 900.102 the Code states:

> *No person shall cause or allow the emission of sound beyond the boundaries of his property, as property is defined in Section 25 of the Illinois Environmental Protection Act, so as to cause noise pollution in Illinois, or as to violate any provision of this Chapter.*

Noise pollution is defined in the Code as, "the emission of sound that unreasonably interferes with the enjoyment of life or with any lawful business or activity."

Part 910 details basic measurement procedures with references to several common ANSI standards.

Quantitative sound level limits that are applicable to the proposed Project are defined in Part 901: "Sound Emission Standards and Limitations for Property Line-Noise-Sources." Section 901.102 and 901.103 provide sound pressure level limits for each full octave band center frequency from 31.5 Hz to 8 kHz.

The IPCB standard is based on the land use of the sound source and receiver. Both alternative energy sources and agriculture are considered Class C. Residences are considered Class A, as is the land subject to residential use directly surrounding them. Therefore, impacts to individual residences, and the land subject to residential use immediately surrounding them are evaluated according to the Class C to Class A standard. The applicable standards are shown in Table 1.

It is important to point out that the Illinois standard is frequency based, and thus is intended to protect against specific low-frequency noise impacts, as well as impacts due to overall sound levels.

**TABLE 1: ALLOWABLE OCTAVE BAND SOUND PRESSURE LEVELS (dBZ) OF SOUND EMITTED TO RECEIVING CLASS A LAND FROM CLASS C LAND**

| LIMIT TIME | SOUND LEVEL LIMIT (dBZ) BY OCTAVE BAND CENTER FREQUENCY | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 31.5 Hz | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz |
| Class C to A Daytime | 75 | 74 | 69 | 64 | 58 | 52 | 47 | 43 | 40 |
| Class C to A Nighttime | 69 | 67 | 62 | 54 | 47 | 41 | 36 | 32 | 32 |

Additionally, the regulation states that “no person shall cause or allow the emission of any prominent discrete tone.” In Section 900.101, the Code defines prominent discrete tones as:

> *Prominent discrete tone: sound, having a one-third octave band sound pressure level which, when measured in a one-third octave band at the preferred frequencies, exceeds the arithmetic average of the sound pressure levels of the two adjacent one-third octave bands on either side of such one-third octave band by:*
>
> *5 dB for such one-third octave band with a center frequency from 500 Hertz to 10,000 Hertz, inclusive. Provided: such one-third octave band sound pressure level exceeds the sound pressure level of each adjacent one-third octave band, or;*
>
> *8 dB for such one-third octave band with a center frequency from 160 Hertz to 400 Hertz, inclusive. Provided: such one-third octave band sound pressure level exceeds the sound pressure level of each adjacent one-third octave band, or;*
>
> *15 dB for such one-third octave band with a center frequency from 25 Hertz to 125 Hertz, inclusive. Provided: such one-third octave band sound pressure level exceeds the sound pressure level of each adjacent one-third octave band.*

The regulation also adds the following clause for prominent discrete tones:

> *This rule shall not apply to prominent discrete tones having a one-third octave band sound pressure level 10 or more dB below the allowable octave band sound pressure level specified in Sections 901.102 through 901.104 for the octave band which contains such one-third octave band. In the application of this sub-section, the applicable numeric standard for sound emitted from any existing property-line-noise-source to receiving Class A land, for both daytime and nighttime operations, is found in Section 901.102(a).*

Each residence has been evaluated using the nighttime Class C to Class A limits and for the presence of prominent discrete tones regardless of whether the residence is participating in the Project or not.

# 4.0 SOUND PROPAGATION MODELING

## 4.1 MODEL PROCEDURES

Modeling for the Project was in accordance with the standard ISO 9613-2, "Acoustics – Attenuation of sound during propagation outdoors, Part 2: General Method of Calculation." The ISO standard states,

> This part of ISO 9613 specifies an engineering method for calculating the attenuation of sound during propagation outdoors in order to predict the levels of environmental noise at a distance from a variety of sources. The method predicts the equivalent continuous A-weighted sound pressure level … under meteorological conditions favorable to propagation from sources of known sound emissions. These conditions are for downwind propagation … or, equivalently, propagation under a well-developed moderate ground-based temperature inversion, such as commonly occurs at night.

The model takes into account source sound power levels, surface reflection and absorption, atmospheric absorption, geometric divergence, meteorological conditions, walls, barriers, berms, and terrain. The acoustical modeling software used here was CadnaA, from Datakustik GmbH. CadnaA is a widely accepted acoustical propagation modeling tool, used by many noise control professionals in the United States and internationally.

ISO 9613-2 assumes downwind sound propagation between every source and every receiver, consequently, all wind directions, including the prevailing wind directions, are taken into account.

The sound modeling methodology follows the ANSI/ACP American National Standard for wind turbine sound modeling.[2] These include the use of a ground absorption factor of G=0.5 (half hard/half porous ground) and a +2 dB uncertainty factor.

A search distance up to 8,000 meters (5 miles) allows for the contributions of distant turbines to be considered at receivers. Other modeling parameters can be found in Appendix C.

A total of 1,318 receptors were modeled at a height of 4 meters (13 feet) above ground level throughout the Project area. The receptors are the same locations as the primary structures identified in Figure 1. Most of the receptors are residences, but there are also 3 schools, 4 churches, and 48 businesses. In addition to the discrete receptors, a 30 meter by 30 meter (98 feet by 98 feet) grid of receptors was setup in the model covering 813 square kilometers (314

[2] ANSI/ACP Standard 111-1, "Wind Turbine Sound Modeling," American National Standards Institute, 2022.

square miles) in and around the Project. The grid is used to calculate the sound pressure level contours in the result maps.

As mentioned in Section 2.0, a layout of 50 Vestas V162 6.0 MW wind turbines was included in the sound propagation model along with two high voltage transformers at the Project substation and the Sapphire Sky wind turbines. Results for the receptors located between Goose Creek Wind and Sapphire Sky represent the potential cumulative impact in those areas.

## 4.2 MODEL RESULTS

The full model results by octave band for each receptor are provided in Appendix D. A summary of the highest results for each octave band with a comparison to the IPCB Class C to A nighttime limits is provided in Table 2. All receptors are below the IPCB Class C to A nighttime limit. The highest octave bands from the model results are 500 Hz and 1 kHz which are within 1 dBZ of the IPCB limits of 47 and 41 dBA, respectively, at a few receptors, but still under the limit.

**TABLE 2: SUMMARY OF HIGHEST MODELED SOUND LEVELS (dBZ) BY OCTAVE BAND**

| RECEPTOR (PRIMARY STRUCTURE ID) | 31.5 Hz | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz |
|---|---|---|---|---|---|---|---|---|---|
| 5 | 58 | 56 | 51 | 48 | 45 | 40 | 31 | 10 | 0 |
| 678 | 59 | 57 | 51 | 49 | 45 | 40 | 31 | 10 | 0 |
| 846 | 59 | 57 | 52 | 49 | 45 | 40 | 31 | 11 | 0 |
| 1104 | 57 | 56 | 51 | 49 | 46 | 40 | 29 | 2 | 0 |
| *IPCB C to A Nighttime Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* |

The results for each octave band are also shown in map format in Figures 2 through 10. The sound level contour lines in each map range from 30 dBZ (dark blue) to 70 dBZ (purple). The IPCB Class C to Class A nighttime limit for each octave band is represented by a black dashed line. The black dashed limit line is not visible in Figures 2 (31.5 Hz), 3 (63 Hz), 4 (125 Hz), 9 (4 kHz), and 10 (8 kHz) at the map scale because those sound levels occur close to the turbine or not at all.

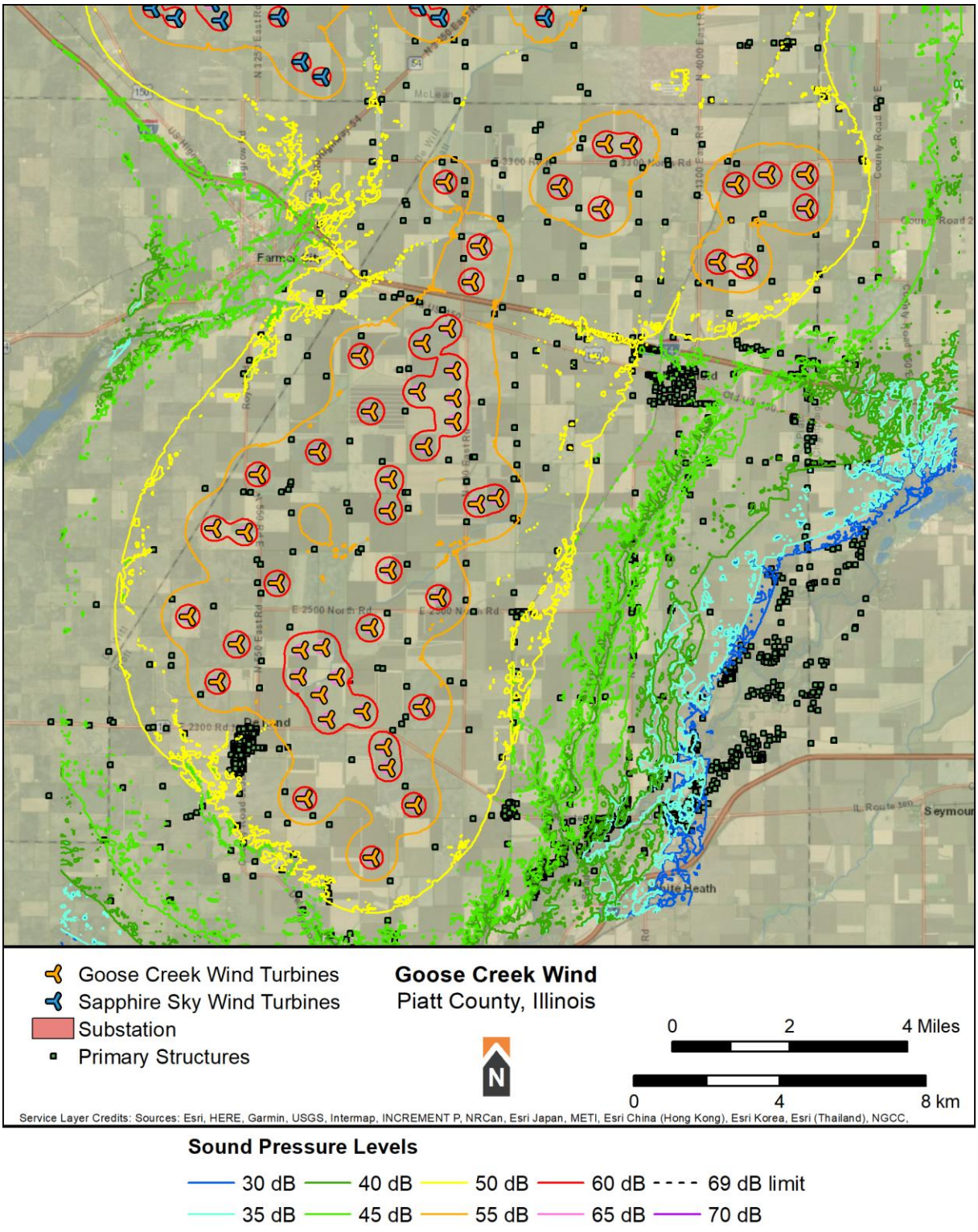


**FIGURE 2: SOUND PROPAGATION MODEL RESULTS FOR 31.5 Hz**

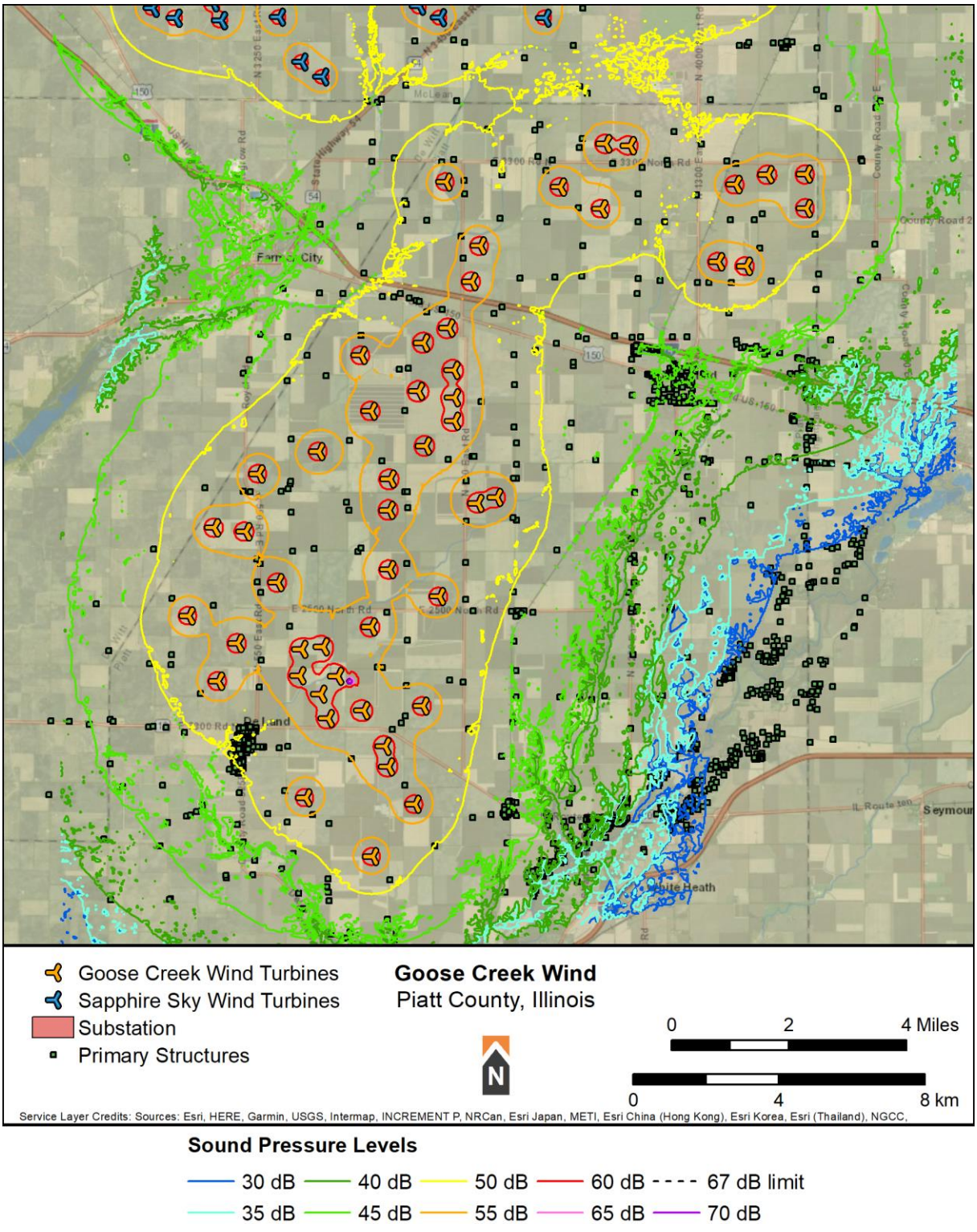


**FIGURE 3: SOUND PROPAGATION MODEL RESULTS FOR 63 Hz**

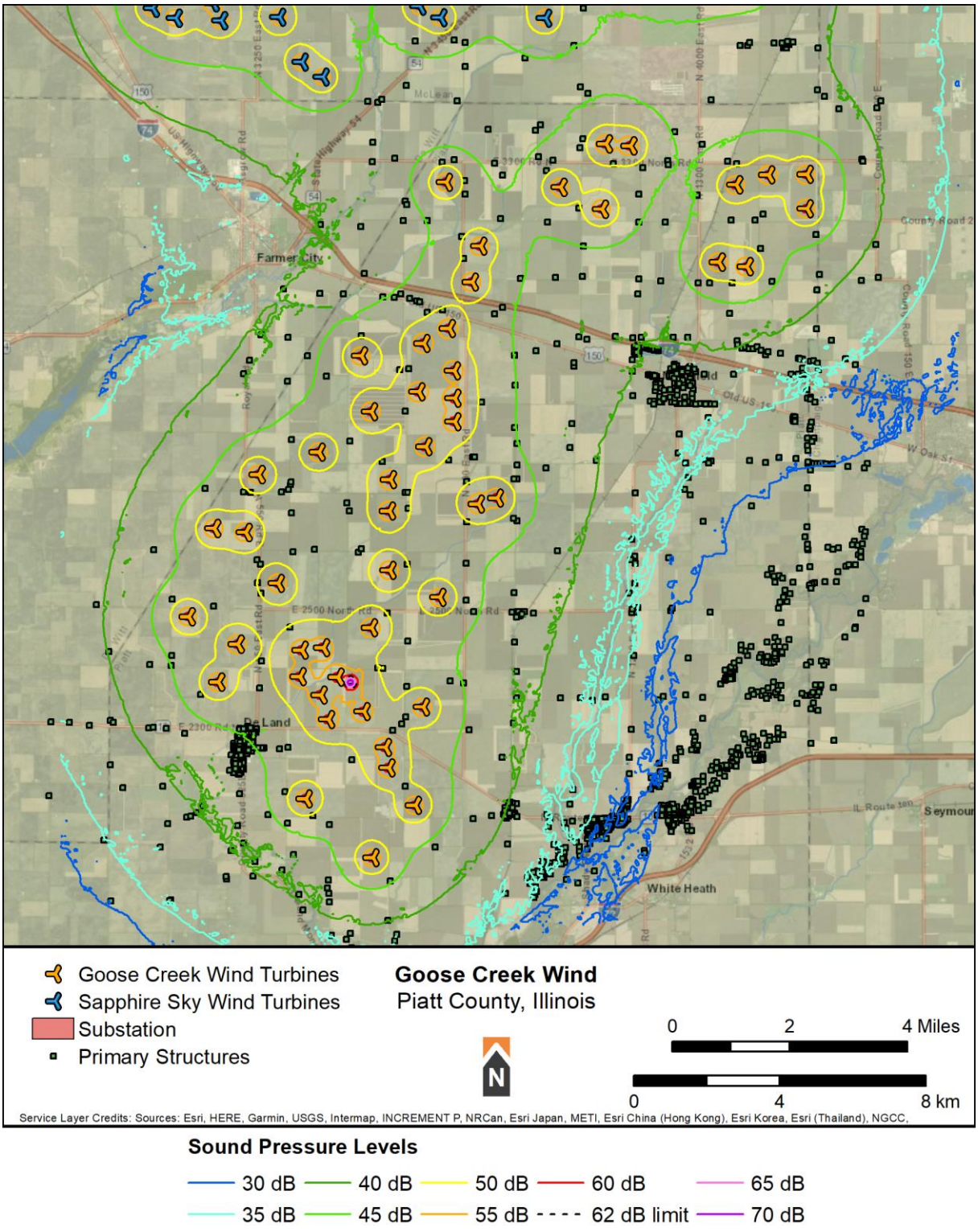


**FIGURE 4: SOUND PROPAGATION MODEL RESULTS FOR 125 Hz**

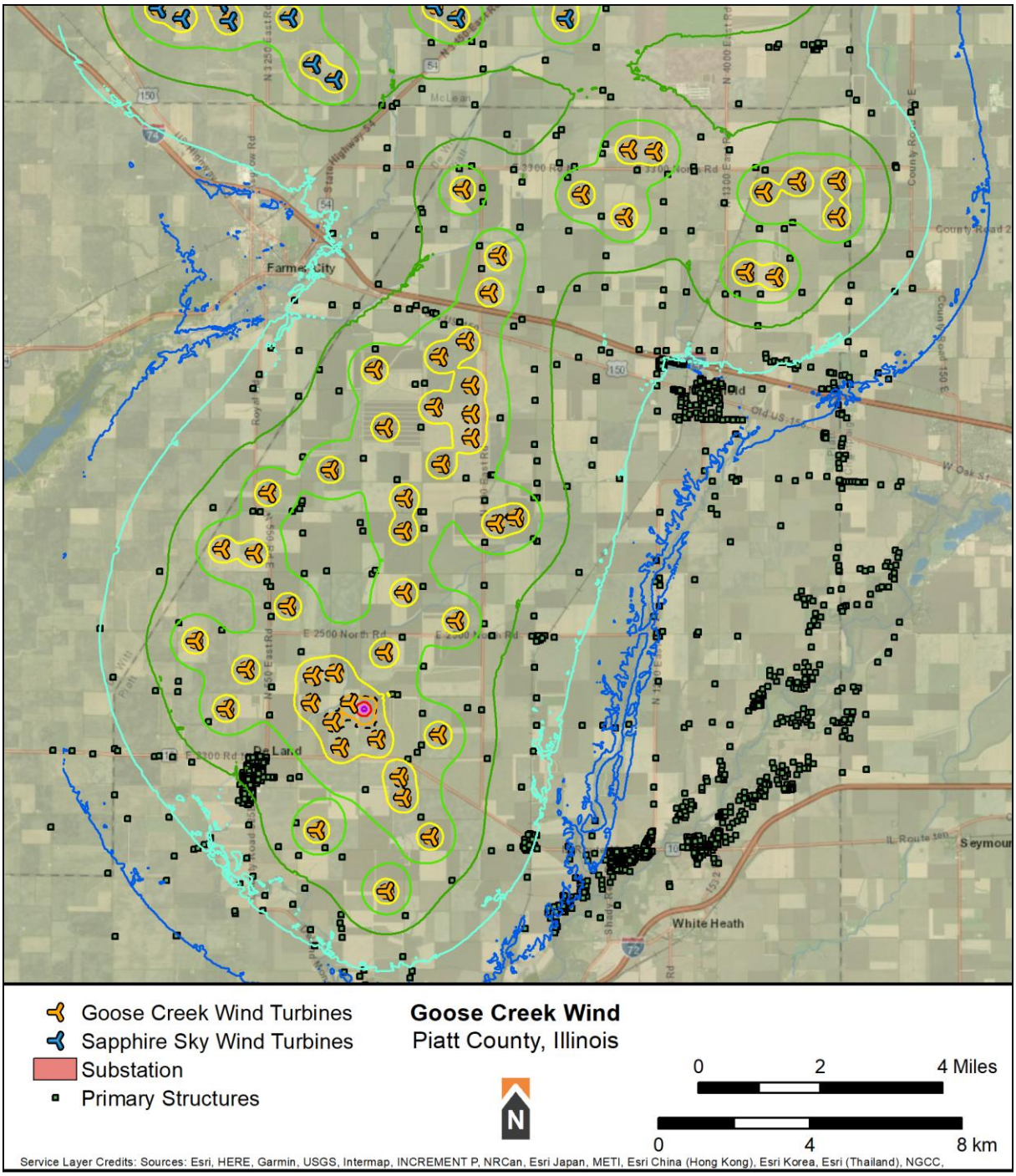


**FIGURE 5: SOUND PROPAGATION MODEL RESULTS FOR 250 Hz**

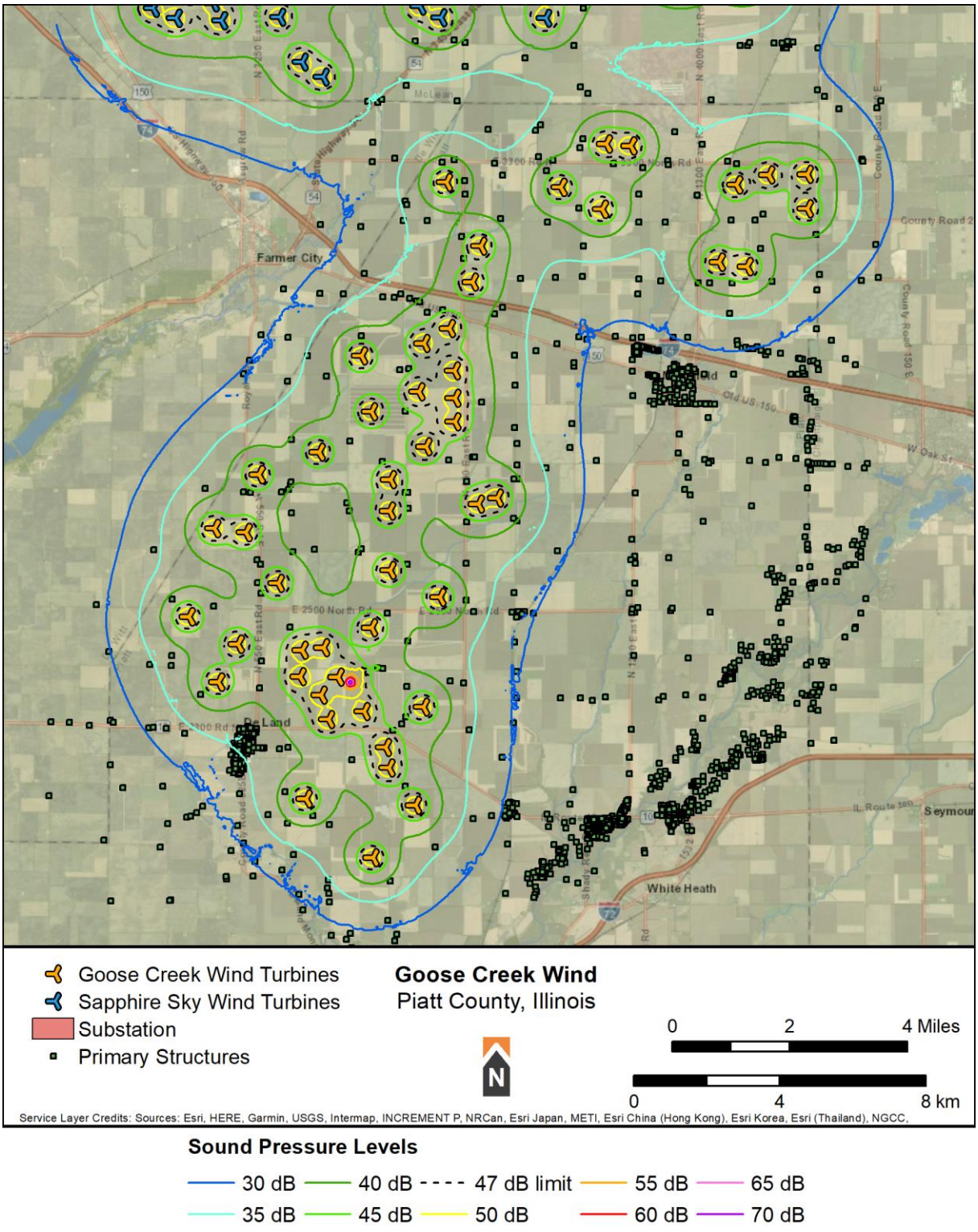


**FIGURE 6: SOUND PROPAGATION MODEL RESULTS FOR 500 Hz**

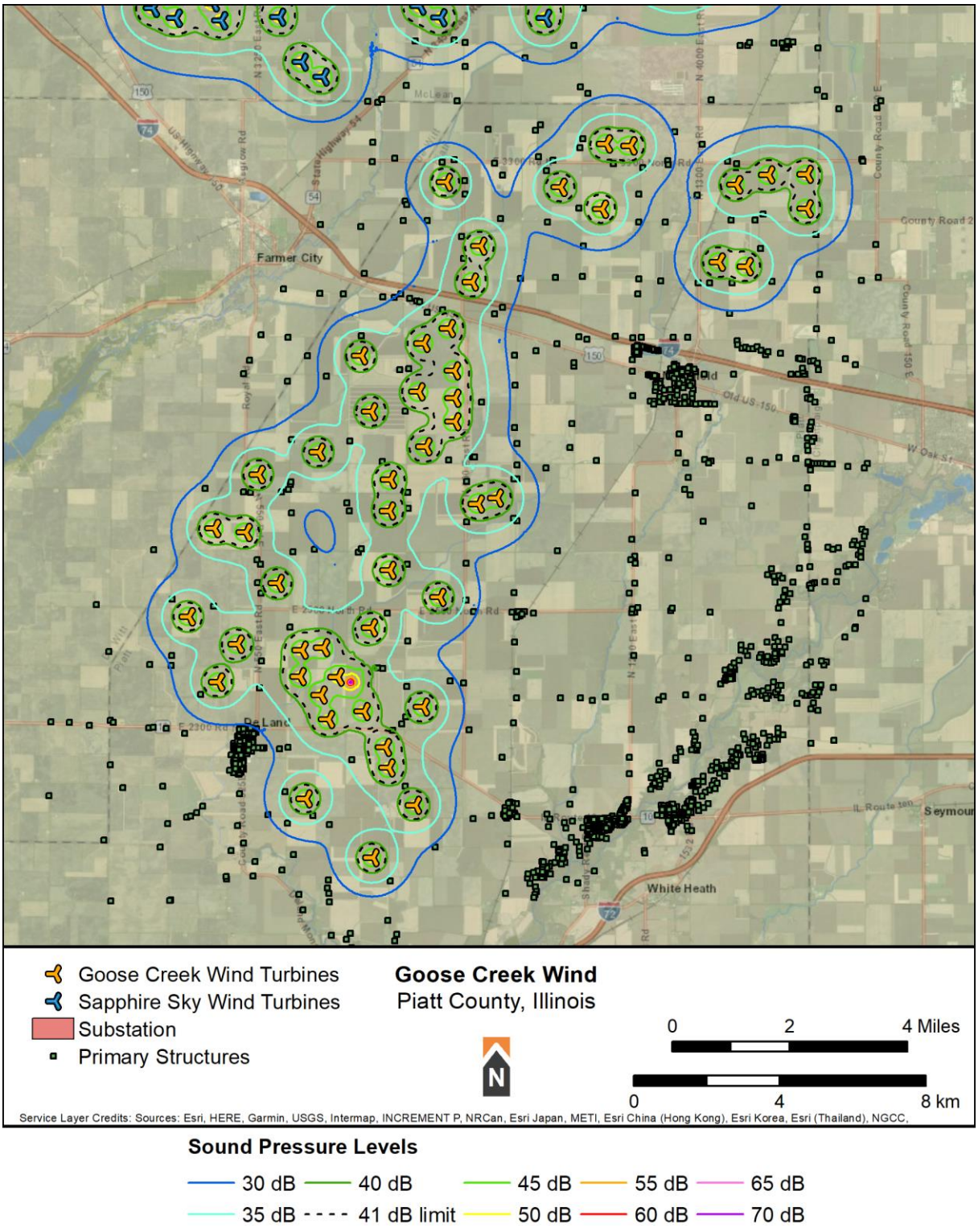


**FIGURE 7: SOUND PROPAGATION MODEL RESULTS FOR 1 kHz**

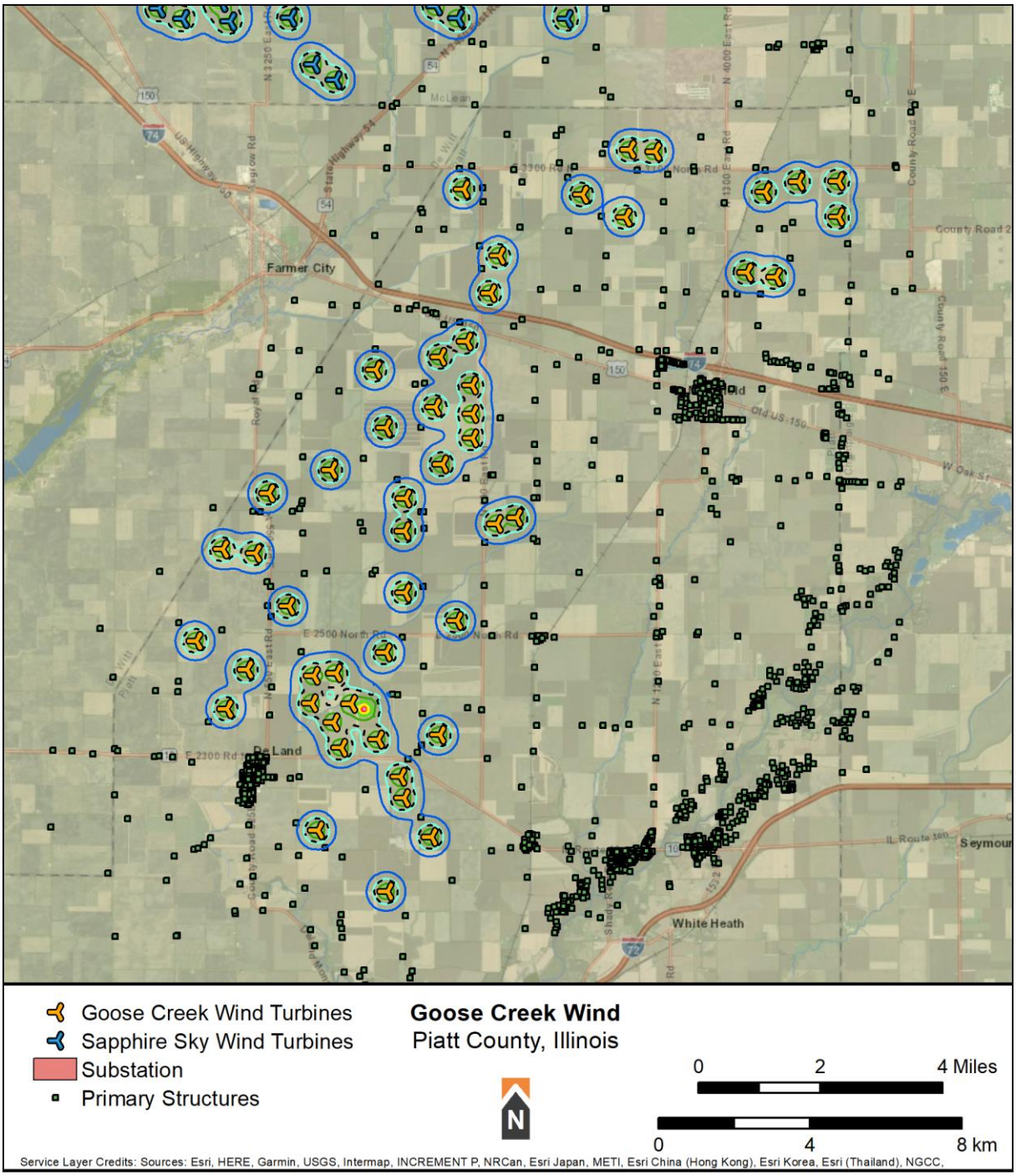


**FIGURE 8: SOUND PROPAGATION MODEL RESULTS FOR 2 kHz**

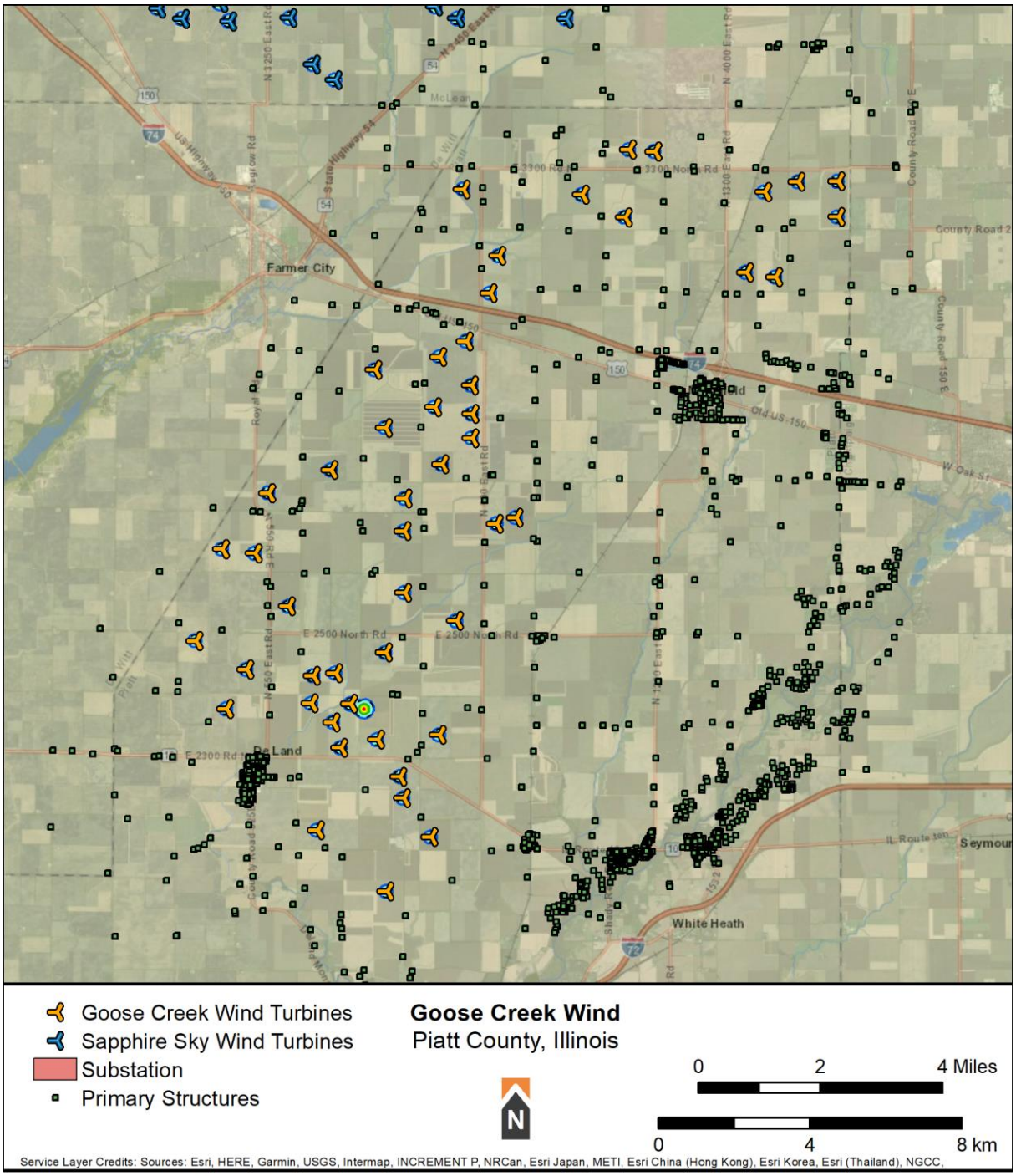


**FIGURE 9: SOUND PROPAGATION MODEL RESULTS FOR 4 kHz**

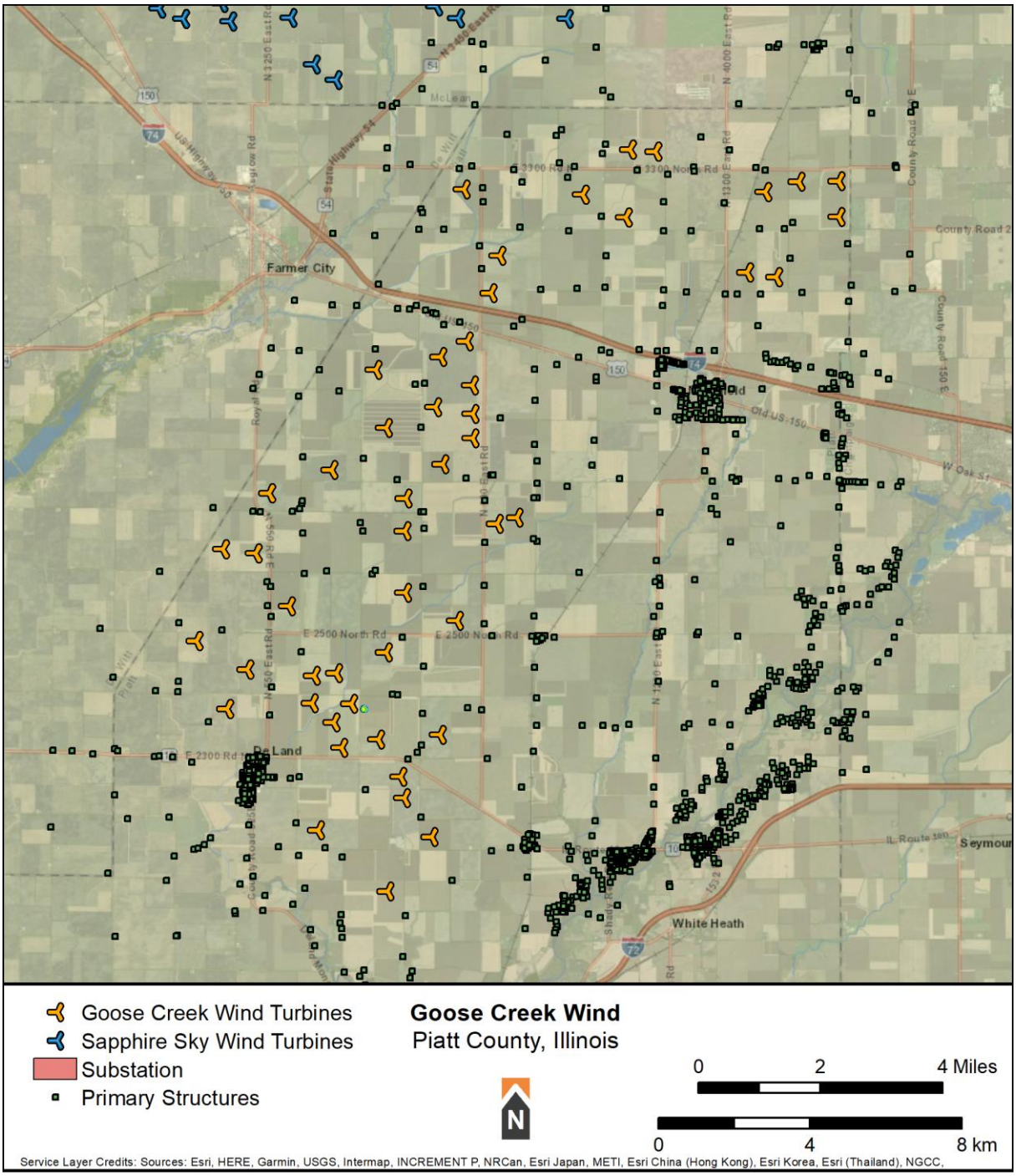


**FIGURE 10: SOUND PROPAGATION MODEL RESULTS FOR 8 kHz**

# 5.0 CONCLUSIONS

RSG conducted sound propagation modeling of the proposed Goose Creek Wind Farm in Piatt County, Illinois in preparation for the Project's special use permit application. The Project will include up to 50 turbines with a total capacity of up to 300 MW. For this assessment, 50 Vestas V162 6.0 MW turbines were modeled along with two high voltage transformers at the Project substation and the sound emissions from the Sapphire Sky Wind Farm which is currently under construction.

Noise from the Project is regulated in Appendix A of the Piatt County Zoning Ordinance which utilizes the IPCB limits to regulate sound from wind turbines. The most stringent IPCB limit is the Class C to Class A nighttime limit which is discussed in Section 3.2.

Sound levels from the Project were modeled at 1,318 receptors throughout the Project area, most of which are residences. Model results are presented in Section 4.2 and Appendix D. As shown in the model results, all of the 1,318 modeled receptors are below the IPCB Class C to Class A nighttime limit even with the potential cumulative impact with Sapphire Sky.

Given this, all primary structures are projected to meet the IPCB regulations and the noise requirements of the Piatt County Ordinance with all 50 turbine locations.

# APPENDIX A. PRIMER ON SOUND

### *Expressing Sound in Decibel Levels*

The varying air pressure that constitutes sound can be characterized in many different ways. The human ear is the basis for the metrics that are used in acoustics. Normal human hearing is sensitive to sound fluctuations over an enormous range of pressures, from about 20 micropascals (the "threshold of audibility") to about 20 pascals (the "threshold of pain").[3] This factor of one million in sound pressure difference is challenging to convey in engineering units. Instead, sound pressure is converted to sound "levels" in units of "decibels" (dB, named after Alexander Graham Bell). Once a measured sound is converted to dB, it is denoted as a level with the letter "L".

The conversion from sound pressure in pascals to sound level in dB is a four-step process. First, the sound wave's measured amplitude is squared and the mean is taken. Second, a ratio is taken between the mean square sound pressure and the square of the threshold of audibility (20 micropascals). Third, using the logarithm function, the ratio is converted to factors of 10. The final result is multiplied by 10 to give the decibel level. By this decibel scale, sound levels range from 0 dB at the threshold of audibility to 120 dB at the threshold of pain.

Typical sound sources, and their sound pressure levels, are listed on the scale in Figure 11.

### *Human Response to Sound Levels: Apparent Loudness*

For every 20 dB increase in sound level, the sound pressure increases by a *factor* of 10; the sound *level* range from 0 dB to 120 dB covers 6 factors of 10, or one million, in sound *pressure*. However, for an increase of 10 dB in sound *level* as measured by a meter, humans perceive an approximate doubling of apparent loudness: to the human ear, a sound level of 70 dB sounds about "twice as loud" as a sound level of 60 dB. Smaller changes in sound level, less than 3 dB up or down, are generally not perceptible.

[3] The pascal is a measure of pressure in the metric system. In Imperial units, they are themselves very small: one pascal is only 145 millionths of a pound per square inch (psi). The sound pressure at the threshold of audibility is only 3 one-billionths of one psi: at the threshold of pain, it is about 3 one-thousandths of one psi.

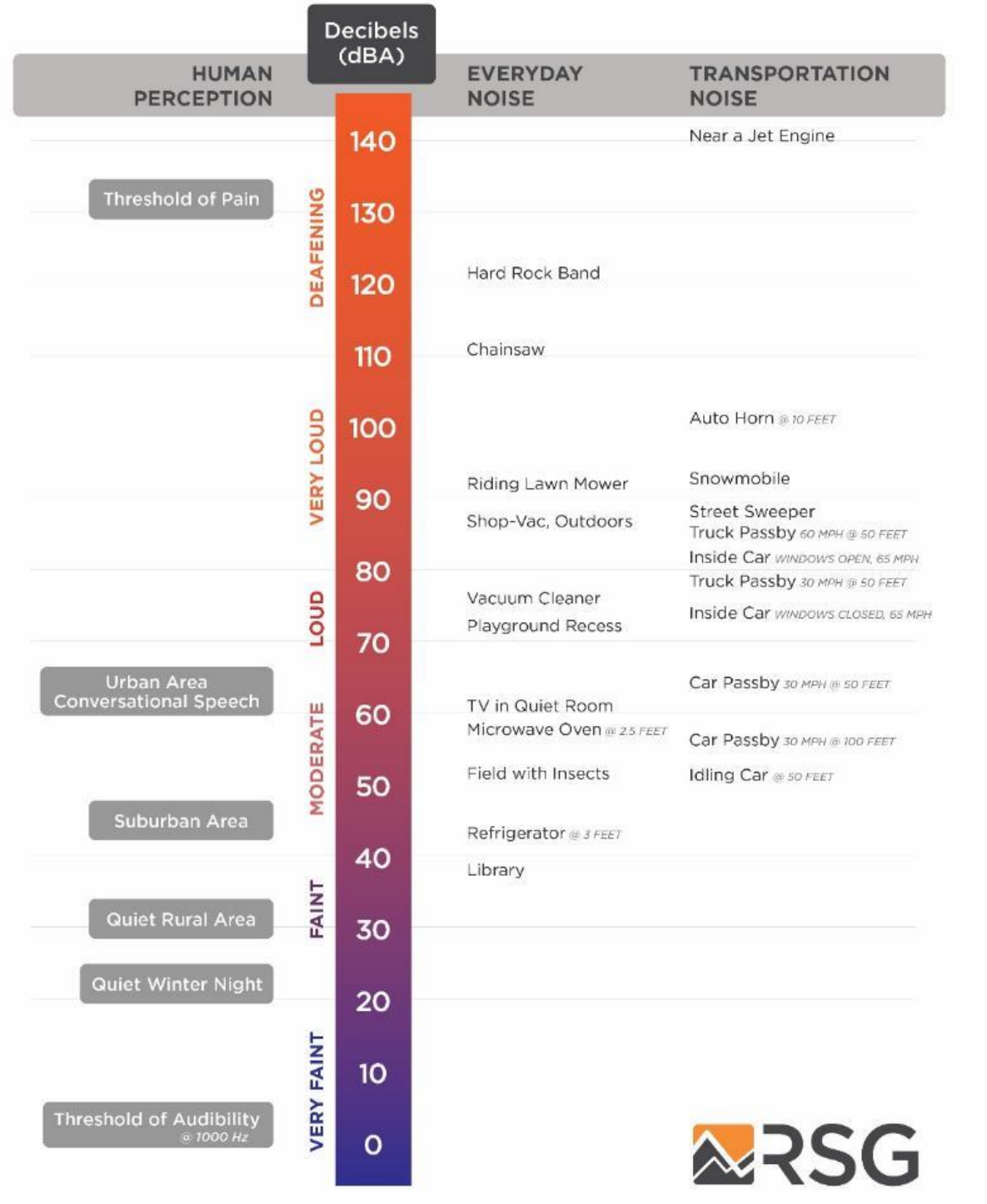


**FIGURE 11: A SCALE OF SOUND PRESSURE LEVELS FOR TYPICAL SOUND SOURCES**

### *Frequency Spectrum of Sound*

The “frequency” of a sound is the rate at which it fluctuates in time, expressed in Hertz (Hz), or cycles per second. Very few sounds occur at only one frequency: most sound contains energy at many different frequencies, and it can be broken down into different frequency divisions, or bands. These bands are similar to musical pitches, from low tones to high tones. The most common division is the standard octave band. An octave is the range of frequencies whose upper frequency limit is twice its lower frequency limit, exactly like an octave in music. An octave band is identified by its center frequency: each successive band’s center frequency is twice as high (one octave) as the previous band. For example, the 500 Hz octave band includes all sound whose frequencies range between 354 Hz (Hertz, or cycles per second) and 707 Hz. The next band is centered at 1,000 Hz with a range between 707 Hz and 1,414 Hz. The range of human hearing is divided into 10 standard octave bands: 31.5 Hz, 63 Hz, 125 Hz, 250 Hz, 500 Hz, 1,000 Hz, 2,000 Hz, 4,000 Hz, 8,000 Hz, and 16,000 Hz. For analyses that require finer frequency detail, each octave-band can be subdivided. A commonly-used subdivision creates three smaller bands within each octave band, or so-called 1/3-octave bands.

### *Human Response to Frequency: Weighting of Sound Levels*

The human ear is not equally sensitive to sounds of all frequencies. Sounds at some frequencies seem louder than others, despite having the same decibel level as measured by a sound level meter. In particular, human hearing is much more sensitive to medium pitches (from about 500 Hz to about 4,000 Hz) than to very low or very high pitches. For example, a tone measuring 80 dB at 500 Hz (a medium pitch) sounds quite a bit louder than a tone measuring 80 dB at 60 Hz (a very low pitch). The frequency response of normal human hearing ranges from 20 Hz to 20,000 Hz. Below 20 Hz, sound pressure fluctuations are not “heard”, but sometimes can be “felt”. This is known as “infrasound”. Likewise, above 20,000 Hz, sound can no longer be heard by humans; this is known as “ultrasound”. As humans age, they tend to lose the ability to hear higher frequencies first; many adults do not hear very well above about 16,000 Hz. Most natural and man-made sound occurs in the range from about 40 Hz to about 4,000 Hz. Some insects and birdsongs reach to about 8,000 Hz.

To adjust measured sound pressure levels so that they mimic human hearing response, sound level meters apply filters, known as “frequency weightings”, to the signals. There are several defined weighting scales, including “A”, “B”, “C”, “D”, “G”, and “Z”. The most common weighting scale used in environmental noise analysis and regulation is A-weighting. This weighting represents the sensitivity of the human ear to sounds of low to moderate level. It attenuates sounds with frequencies below 1000 Hz and above 4000 Hz; it amplifies very slightly sounds between 1000 Hz and 4000 Hz, where the human ear is particularly sensitive. The C-weighting scale is sometimes used to describe louder sounds. The B- and D- scales are seldom used. All of these frequency weighting scales are normalized to the average human hearing response at

1000 Hz: at this frequency, the filters neither attenuate nor amplify. G-weighting is a standardized weighting used to evaluate infrasound.

When a reported sound level has been filtered using a frequency weighting, the letter is appended to "dB". For example, sound with A-weighting is usually denoted "dBA". When no filtering is applied, the level is denoted "dB" or "dBZ". The letter is also appended as a subscript to the level indicator "L", for example "$L_A$" for A-weighted levels.

### *Time Response of Sound Level Meters*

Because sound levels can vary greatly from one moment to the next, the time over which sound is measured can influence the value of the levels reported. Often, sound is measured in real time, as it fluctuates. In this case, acousticians apply a so-called "time response" to the sound level meter, and this time response is often part of regulations for measuring sound. If the sound level is varying slowly, over a few seconds, "Slow" time response is applied, with a time constant of one second. If the sound level is varying quickly (for example, if brief events are mixed into the overall sound), "Fast" time response can be applied, with a time constant of one-eighth of a second.[4] The time response setting for a sound level measurement is indicated with the subscript "S" for Slow and "F" for Fast: $L_S$ or $L_F$. A sound level meter set to Fast time response will indicate higher sound levels than one set to Slow time response when brief events are mixed into the overall sound, because it can respond more quickly.

In some cases, the maximum sound level that can be generated by a source is of concern. Likewise, the minimum sound level occurring during a monitoring period may be required. To measure these, the sound level meter can be set to capture and hold the highest and lowest levels measured during a given monitoring period. This is represented by the subscript "max", denoted as "$L_{max}$". One can define a "max" level with Fast response $L_{Fmax}$ (1/8-second time constant), Slow time response $L_{Smax}$ (1-second time constant), or Continuous Equivalent level over a specified time period $L_{eq\text{-}max}$.

### *Accounting for Changes in Sound Over Time*

A sound level meter's time response settings are useful for continuous monitoring. However, they are less useful in summarizing sound levels over longer periods. To do so, acousticians apply simple statistics to the measured sound levels, resulting in a set of defined types of sound level related to averages over time. An example is shown in Figure 12. The sound level at each instant of time is the grey trace going from left to right. Over the total time it was measured (1 hour in the figure), the sound energy spends certain fractions of time near various levels, ranging from the minimum (about 27 dB in the figure) to the maximum (about 65 dB in the figure). The simplest descriptor is the average sound level, known as the Equivalent Continuous

[4] There is a third time response defined by standards, the "Impulse" response. This response was defined to enable use of older, analog meters when measuring very brief sounds; it is no longer in common use.

Sound Level. Statistical levels are used to determine for what percentage of time the sound is louder than any given level. These levels are described in the following sections.

### *Equivalent Continuous Sound Level - $L_{eq}$*

One straightforward, common way of describing sound levels is in terms of the Continuous Equivalent Sound Level, or $L_{eq}$. The $L_{eq}$ is the average sound pressure level over a defined period of time, such as one hour or one day. $L_{EQ}$ is the most commonly used descriptor in noise standards and regulations. $L_{eq}$ is representative of the overall sound to which a person is exposed. Because of the logarithmic calculation of decibels, $L_{EQ}$ tends to favor higher sound levels: loud and infrequent sources have a larger impact on the resulting average sound level than quieter but more frequent sounds. For example, in Figure 12, even though the sound levels spends most of the time near about 34 dBA, the $L_{eq}$ is 41 dBA, having been "inflated" by the maximum level of 65 dBA and other occasional spikes over the course of the hour.

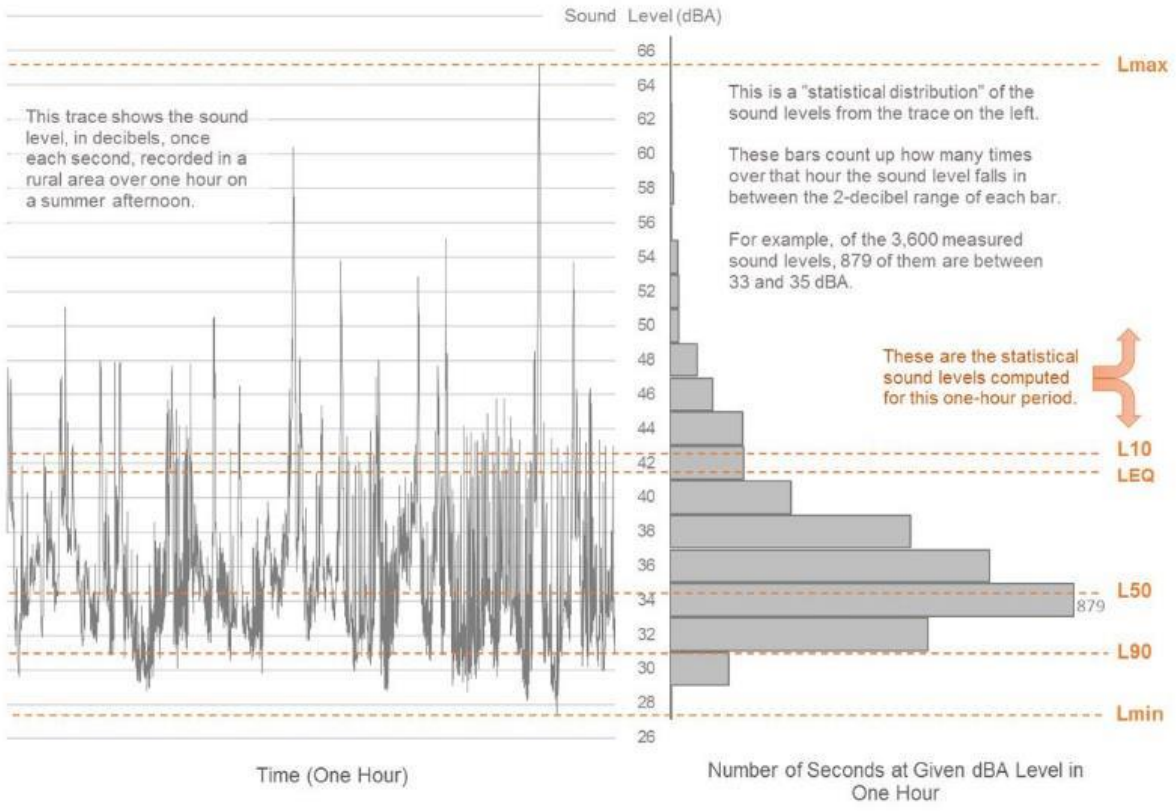


**FIGURE 12: EXAMPLE OF DESCRIPTIVE TERMS OF SOUND MEASUREMENT OVER TIME**

### *Percentile Sound Levels – Ln*

Percentile sound levels describe the statistical distribution of sound levels over time. "$L_N$" is the level above which the sound spends "N" percent of the time. For example, $L_{90}$ (sometimes called the "residual base level") is the sound level exceeded 90% of the time: the sound is louder than $L_{90}$ most of the time. $L_{10}$ is the sound level that is exceeded only 10% of the time. (the "median level") is exceeded 50% of the time: half of the time the sound is louder than , and half the time it is quieter than . Note that (median) and $L_{eq}$ (pressure-weighted mean) are not always the same, for reasons described in the previous section.

The $L_{90}$ is the sound level that is exceeded 90 percent of the time. It is the sound that persists for longer periods, and below which the overall sound level seldom falls. It tends to filter out other short-term environmental sounds that aren't part of the source being investigated. $L_{10}$ represents the higher, but less frequent, sound levels. These could include such events as barking dogs, vehicles driving by and aircraft flying overhead, gusts of wind, and work operations. $L_{90}$ represents the background sound that is present when these event sounds are excluded.

Note that if one sound source is very constant and dominates the soundscape in an area, all of the descriptive sound levels mentioned here tend toward the same value. It is when the sound is varying widely from one moment to the next that the statistical descriptors are useful.

# APPENDIX B. WIND TURBINE ACOUSTICS

### *Sources of Sound Generation by Wind Turbines*

Wind turbines generate two principal types of sound: aerodynamic, produced from the flow of air around the blades, and mechanical, produced from mechanical and electrical components within the nacelle.

Aerodynamic sound is the primary source of sound associated with wind turbines. These acoustic emissions can be either tonal or broadband. Tonal sound occurs at discrete frequencies, whereas broadband sound is distributed with little peaking across the frequency spectrum. While unusual, tonal sound can also originate from unstable air flows over holes, slits, or blunt trailing edges on blades. The majority of audible aerodynamic sound from wind turbines is broadband at the middle frequencies, roughly between 200 Hz and 1,000 Hz.

Wind turbines emit aerodynamic broadband sound as the rotating blades interact with atmospheric turbulence and as air flows along their surfaces. This produces a characteristic “whooshing” sound through several mechanisms (Figure 13):

- Inflow turbulence sound occurs when the rotor blades encounter atmospheric turbulence as they pass through the air. Uneven pressure on a rotor blade causes variations in the local angle of attack, which affects the lift and drag forces, causing aerodynamic loading fluctuations. This generates sound that varies across a wide range of frequencies but is most significant at frequencies below 500 Hz.
- Trailing edge sound is produced as boundary-layer turbulence as the air passes into the wake, or trailing edge, of the blade. This sound is distributed across a wide frequency range but is most notable at high frequencies between 700 Hz and 2 kHz.
- Tip vortex sound occurs when tip turbulence interacts with the surface of the blade tip. While this is audible near the turbine, it tends to be a small component of the overall sound further away.
- Stall or separation sound occurs due to the interaction of turbulence with the blade surface.

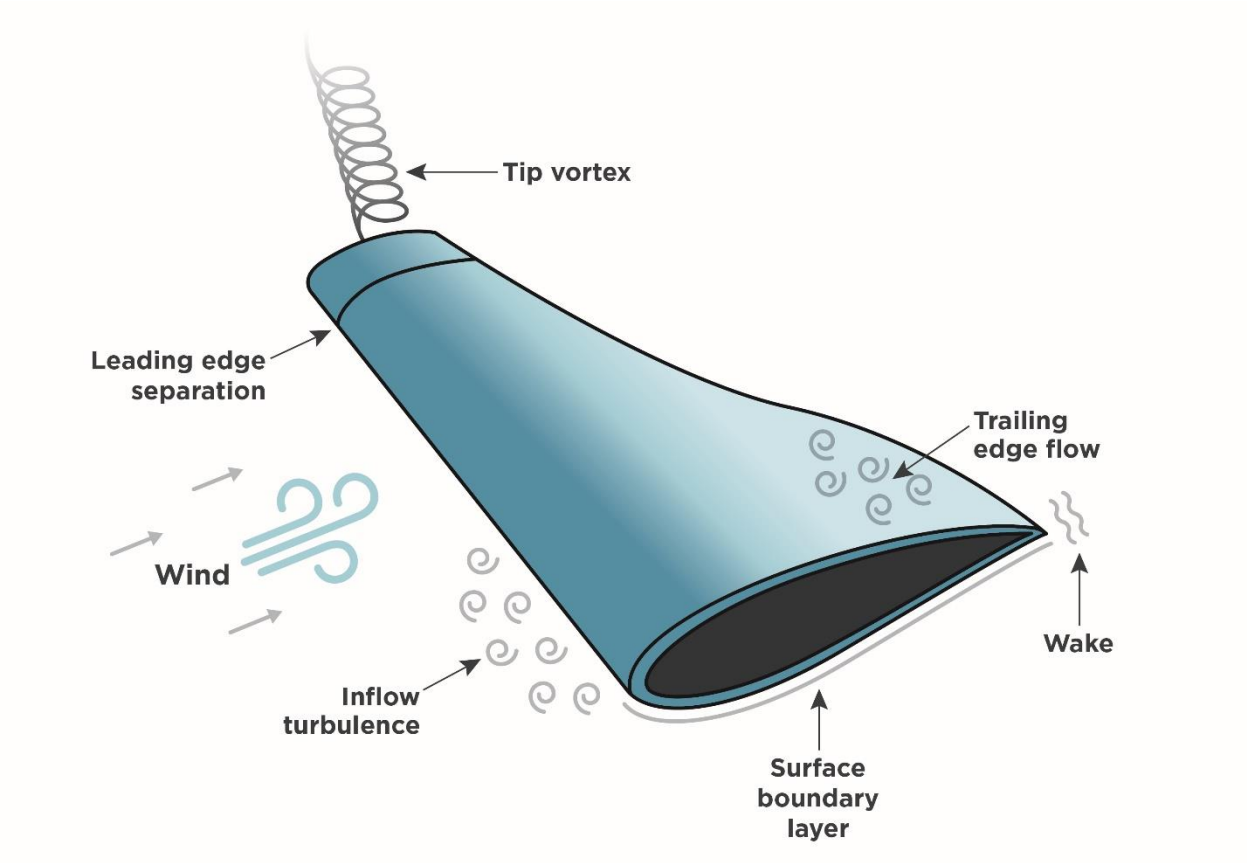


**FIGURE 13: AIRFLOW AROUND A ROTOR BLADE**

Mechanical sound from machinery inside the nacelle tends to be tonal in nature but can also have a broadband component. Potential sources of mechanical sound include the gearbox, generator, yaw drives, cooling fans, and auxiliary equipment. These components are housed within the nacelle, whose surfaces, if untreated, radiate the resulting sound. However modern wind turbines have nacelles that are designed to reduce the transmission of internal sound, and rarely is this a significant portion of the total wind turbine sound.

### *Amplitude Modulation*

Amplitude modulation (AM) is a fluctuation in sound level that occurs at the blade passage frequency. There is no consistent definition how much of a sound level fluctuation is necessary for blade swish to be considered AM. Fluctuations in individual 1/3 octave bands are typically greater. Fluctuations in individual 1/3 octave bands can sometimes synchronize and desynchronize over periods, leading to increases and decreases in magnitude of the A-weighted fluctuations. Similarly, in wind farms with multiple turbines, fluctuations can

synchronize and desynchronize, leading to variations in amplitude modulation depth.[5] Most amplitude modulation is in the mid-frequencies and most overall A-weighted AM is less than 4.5 dB in depth.[6]

There are many confirmed and hypothesized causes of amplitude modulation including: blade passage in front of the tower, blade tip sound emission directivity, wind shear, inflow turbulence, transient blade stall, and turbine blade yaw error. It has recently been noted that although wind shear can contribute to the extent of amplitude modulation, wind shear does not contribute to the existence of amplitude modulation in and of itself. Instead, there needs to be detachment of airflow from the blades for wind shear to contribute to amplitude modulation.[7] While factors like the blade passing in front of the tower are intrinsic to wind turbine design, other factors vary with turbine design, local meteorology, topography, and turbine layout. Mountainous areas, for example, are more likely to have turbulent airflow, less likely to have high wind shear, and less likely to have turbine layouts that allow for blade passage synchronization for multiple turbines. Amplitude modulation extent varies with the relative location of a receptor to the turbine. Amplitude Modulation is usually experienced most when the receptor is between 45 and 60 degrees from the downwind or upwind position and is experienced least directly with the receptor directly upwind or downwind of the turbines.

### *Meteorology*

Meteorological conditions can significantly affect sound propagation. The two most important conditions to consider are wind shear and temperature lapse. Wind shear is the difference in wind speeds by elevation and temperature lapse rate is the temperature gradient by elevation. In conditions with high wind shear (large wind speed gradient), sound levels upwind from the source tend to decrease and sound levels downwind tend to increase due to the refraction, or bending, of the sound (Figure 14).

[5] McCunney, Robert, et al. “Wind Turbines and Health: A Critical Review of the Scientific Literature.” *Journal of Occupational and Environmental Medicine.* 56(11) November 2014: pp. e108-e130.
[6] RSG, et al., “Massachusetts Study on Wind Turbine Acoustics,” Massachusetts Clean Energy Center and Massachusetts Department of Environmental Protection, 2016
[7] “Wind Turbine Amplitude Modulation: Research to Improve Understanding as to its Cause and Effect.” *RenewableUK.* December 2013.

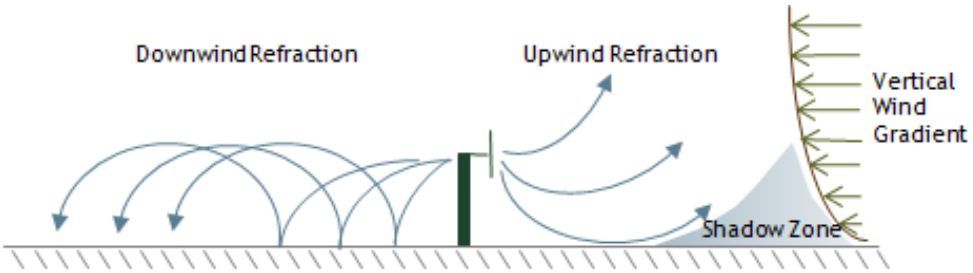


**FIGURE 14: SCHEMATIC OF THE REFRACTION OF SOUND DUE TO VERTICAL WIND GRADIENT (WIND SHEAR)**

With temperature lapse, when ground surface temperatures are higher than those aloft, sound will tend to refract upwards, leading to lower sound levels near the ground. The opposite is true when ground temperatures are lower than those aloft (an inversion condition).

High winds and/or high solar radiation can create turbulence which tends to break up and dissipate sound energy. Highly stable atmospheres, which tend to occur on clear nights with low ground-level wind speeds, tend to minimize atmospheric turbulence and are generally more favorable to downwind propagation.

In general terms, sound propagates along the ground best under stable conditions with a strong temperature inversion. This tends to occur during the night and is characterized by low ground level winds. As a result, worst-case conditions for wind turbines tend to occur downwind under moderate nighttime temperature inversions. Therefore, this is the default condition for modeling wind turbine sound.

### *Masking*

As mentioned above, sound levels from wind turbines are a function of wind speed. Background sound is also a function of wind speed, i.e., the stronger the winds, the louder the resulting background sound. This effect is amplified in areas covered by trees and other vegetation.

The sound from a wind turbine can often be masked by wind sound at downwind receptors because the frequency spectrum from wind is very similar to the frequency spectrum from a wind turbine. Figure 15 compares the shape of the sound spectrum measured during a 5 m/s wind event to that of the GE 1.6-97 wind turbine. As shown, the shapes of the spectra are very similar. As a result, the masking of turbine sound occurs at higher wind speeds for some meteorological conditions. Masking will occur most, when ground wind speeds are relatively high, creating wind-caused sound such as wind blowing through the trees and interaction of wind with structures.

It is important to note that while winds may be blowing at turbine height, there may be little to no wind at ground level. This is especially true during strong wind gradients (high wind shear),

which mostly occur at night. This can also occur on the leeward side of ridges where the ridge blocks the wind.

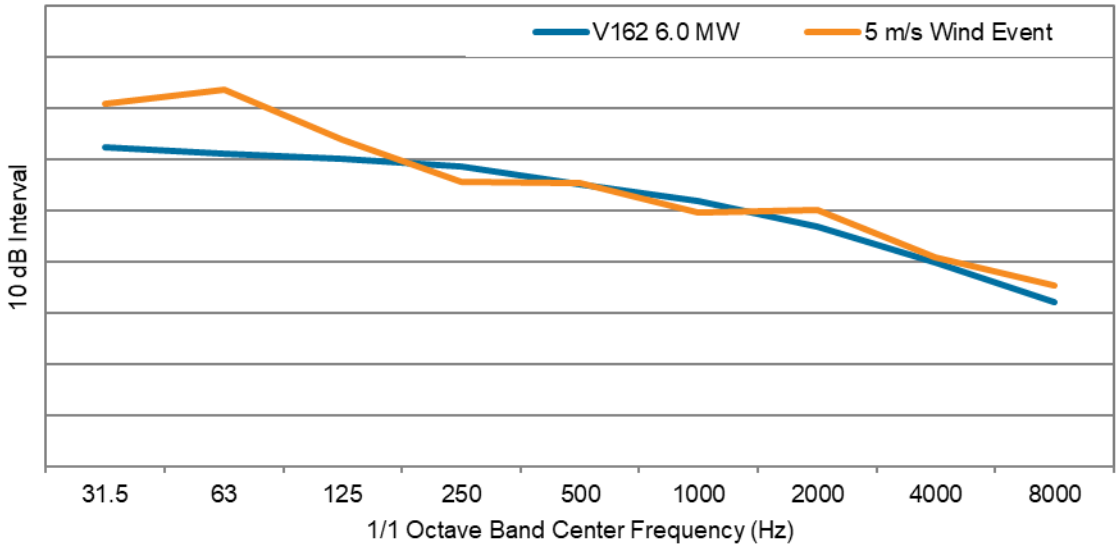


**FIGURE 15: COMPARISON OF NORMALIZED FREQUENCY SPECTRA FROM WIND AND THE V162 6.0 MW TURBINE[8]**

### *Infrasound and Low Frequency Sound*

Infrasound is sound pressure fluctuations at frequencies below about 20 Hz. Sound below this frequency is only audible at very high magnitudes (90 dBG[9] and higher). Low frequency sound is in the audible range of human hearing, that is, above 20 Hz, but below 100 to 200 Hz depending on the definition.

Low frequency aerodynamic tonal sound is typically associated with downwind rotors on horizontal axis wind turbines. In this configuration, the rotor plane is behind the tower relative to the oncoming wind. As the turbine blades rotate, each blade crosses behind the tower's aerodynamic wake and experiences brief load fluctuations. This causes short, low-frequency pulses or thumping sounds. Large modern wind turbines are "upwind", where the rotor plane is upwind of the tower. As a result, this type of low frequency sound is at a much lower magnitude with upwind turbines than downwind turbines, well below established infrasonic hearing thresholds.

Figure 16 shows the sound levels 350 meters (1,148 feet) from a wind turbine when the wind turbine was operating (T-on) and shut down (T-off) for wind speeds at hub height greater than 9

[8] The purpose of this Figure is to show the shapes to two spectra relative to one another and not the actual sound level of the two sources of sound. The level of each source was normalized independently.
[9] See Appendix A for additional information on frequency-weighted sound levels.

m/s. Measurements were made over approximately two weeks.[10] The red 90 dBG line is shown here as the ISO 7196:1995 perceptibility threshold. As shown, the wind turbines generated measurable infrasound, but at least 20 dB below audibility thresholds.

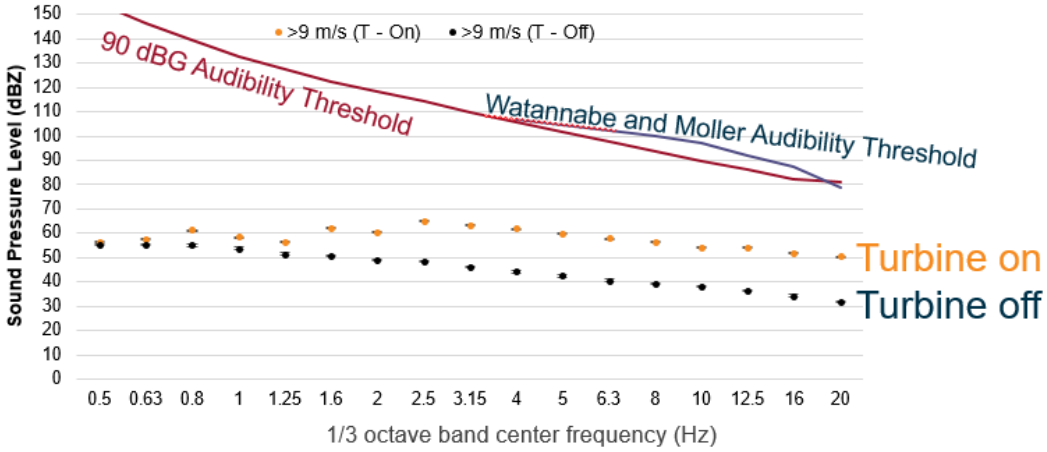


**FIGURE 16: INFRASOUND FROM A WIND TURBINE AT 350 METERS (1,148 FEET) COMPARED WITH PERCEPTION THESHOLDS**

Low frequency sound is primarily generated by the generator and mechanical components. Much of the mechanical sound has been reduced in modern wind turbines through improved sound insulation at the hub. Low frequency sound can also be generated by the blades at higher wind speeds when the inflow air is very turbulent. However, at these wind speeds, low frequency sound from the wind turbine blades is often masked by wind sound at the downwind receptors.

Finally, low frequency sound is absorbed less by the atmosphere and ground than higher frequency sound. This is taken into account in our modeling by using frequency-specific ground attenuation and atmospheric absorption factors.

### *Use of Sound Level Weighting Networks for Wind Turbine Sound*

The human ear is not equally sensitive to sound pressure levels at all frequencies and magnitudes. Some frequencies, despite being the same decibel level (that is, magnitude), seem louder than others. For example, a 500 Hz tone at 80 dB will sound louder than a 63 Hz tone at the same level. In addition, the relative loudness of these tones will change with magnitude. For example, the perceived difference in loudness between those two tones is less when both are at 110 dB than when they are at 40 dB.

[10] RSG, et al., “Massachusetts Study on Wind Turbine Acoustics,” Massachusetts Clean Energy Center and Massachusetts Department of Environmental Protection, 2016 – Graphic from RSG presentation to MassDEP WNTAG, March, 2016

To account for the difference in the perceived loudness of a sound by frequency and magnitude, acousticians apply frequency weightings to sound levels. The most common weighting scale used in environmental noise analysis is the “A-weighting”, which represents the sensitivity of the human ear at lower sound pressure levels. The A-weighting is the most appropriate weighting when overall sound pressure levels are relatively low (up to about 70 dBA). The A-weighting de-emphasizes sounds at lower and very high frequencies, since the human ear is insensitive to sound at these frequencies at low magnitude. The A-weighting is indicated by “dBA” or “dB(A)”.

At higher sound pressure levels (greater than approximately 70 dBA), a different weighting must be used since human hearing sensitivity does not change as much with frequency. The “C-weighting” mimics the sensitivity of the human ear for these moderate to higher sound levels (greater than approximately 70 dBA, which is higher ground-based sound levels produced by wind power projects). C-weighted sound levels are indicated by “dBC” or “dB(C)”.

The “Z-weighting” does not emphasize or de-emphasize sound at any frequency. “Z” weighted sound levels are sometimes labeled as “Flat” or “Linear”. The difference is that the “Z-weighting” is defined as being unweighted in a specific range, whereas “Flat” or “Linear” indicate that no weighting has been used. Z-weighting or unweighted levels are typically used when reporting sound levels at individual octave bands.

The most appropriate weighting for wind turbine sound is A-weighting, for two reasons. The first is that sound pressure levels due to wind turbine sound are typically in the appropriate range for the A-weighting at typical receiver distances (50 dBA or less). The second is that various studies of wind turbine acoustics have shown that the potential effects of wind turbine noise on people are correlated with A-weighted sound level (i.e. Pedersen et al, 2008[11]) as well as to the perceived loudness of wind turbine sound.[12,13] Other researchers found that 51% of the energy making up a C-weighted measurement of wind turbine sound is not audible. Thus, it is more difficult to relate the level of C-weighted sound to human perception. That is, two sounds may be perceived exactly alike, but there could be significant variations in the C-weighted sound level depending on the content of inaudible sound in each.[6]

[11] Pedersen, Eja and Waye, Kerstin. “Perception and annoyance due to wind turbine noise - a dose-response relation.” Journal of the Acoustical Society of America. 116(6). pp. 3460-3470.
[12] Yokoyama S., et al. “Perception of low frequency components in wind turbine noise.” Noise Control Engr. J. 62(5) 2014
[13] Yokoyama et al. “Loudness evaluation of general environmental noise containing low frequency components.” Proceedings of InterNoise2013, 2013

# APPENDIX C. MODEL INPUT DATA

**TABLE 3: SOUND PROPAGATION MODELING PARAMETERS**

| Parameter | Setting |
|---|---|
| Ground Absorption | Spectral for all sources, mixed ground (G=0.5) |
| Atmospheric Attenuation | Based on 10 Celsius, 70% relative humidity |
| Receiver Height | 4 meters for residences and isoline contours |
| Search Distance | 8,000 meters |

**TABLE 4: SOURCE 1/1 OCTAVE BAND SOUND POWER LEVEL SPECTRA (dBZ)**

| Source | Octave Band Center Frequency (Hz) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| Transformer (ONAF) | 91 | 106 | 111 | 110 | 105 | 101 | 96 | 90 | 81 |

**TABLE 5: MODELED SOURCES, TURBINE MODELS, AND LOCATIONS**

| Turbine ID | Turbine Model | Relative Height (m) | Coordinates IL State Plane (NAD 83) | | Source Elevation (m) |
|---|---|---|---|---|---|
| | | | X (m) | Y (m) | |
| **Goose Creek Turbines** | | | | | |
| T01 | V162 | 105 | 283340 | 400139 | 342 |
| T02 | V162 | 105 | 284004 | 400092 | 342 |
| T03 | V162 | 105 | 287797 | 399294 | 343 |
| T04 | V162 | 105 | 288839 | 399306 | 338 |
| T06 | V162 | 105 | 278968 | 399098 | 324 |
| T08 | V162 | 105 | 282096 | 398957 | 326 |
| T09 | V162 | 105 | 286898 | 399021 | 348 |
| T11 | V162 | 105 | 283229 | 398360 | 329 |
| T12 | V162 | 105 | 288838 | 398366 | 341 |
| T13 | V162 | 105 | 279907 | 397342 | 324 |
| T14 | V162 | 105 | 286419 | 396906 | 342 |
| T15 | V162 | 105 | 287196 | 396782 | 349 |
| T16 | V162 | 105 | 279680 | 396359 | 324 |
| T18 | V162 | 105 | 279050 | 395093 | 324 |
| T19 | V162 | 105 | 278349 | 394686 | 324 |
| T20 | V162 | 105 | 276646 | 394338 | 325 |
| T21 | V162 | 105 | 279190 | 393930 | 324 |
| T23 | V162 | 105 | 278215 | 393353 | 326 |
| T24 | V162 | 105 | 279198 | 393174 | 325 |
| T25 | V162 | 105 | 276920 | 392815 | 325 |
| T26 | V162 | 105 | 279191 | 392541 | 326 |
| T27 | V162 | 105 | 278406 | 391847 | 326 |

| Turbine ID | Turbine Model | Relative Height (m) | Coordinates IL State Plane (NAD 83) | | Source Elevation (m) |
|---|---|---|---|---|---|
| | | | X (m) | Y (m) | |
| T28 | V162 | 105 | 275482 | 391702 | 326 |
| T29 | V162 | 105 | 273830 | 391093 | 326 |
| T30 | V162 | 105 | 277431 | 390946 | 326 |
| T31 | V162 | 105 | 280364 | 390446 | 325 |
| T33 | V162 | 105 | 279846 | 390286 | 325 |
| T34 | V162 | 105 | 277412 | 390085 | 325 |
| T37 | V162 | 105 | 272617 | 389612 | 324 |
| T38 | V162 | 105 | 273473 | 389503 | 324 |
| T41 | V162 | 105 | 277422 | 388465 | 323 |
| T42 | V162 | 105 | 274364 | 388105 | 322 |
| T45 | V162 | 105 | 278789 | 387721 | 323 |
| T46 | V162 | 105 | 271912 | 387198 | 323 |
| T48 | V162 | 105 | 276920 | 386887 | 321 |
| T52 | V162 | 105 | 273258 | 386441 | 319 |
| T54 | V162 | 105 | 275603 | 386346 | 322 |
| T55 | V162 | 105 | 275017 | 386272 | 320 |
| T58 | V162 | 105 | 274966 | 385548 | 319 |
| T59 | V162 | 105 | 276003 | 385534 | 320 |
| T60 | V162 | 105 | 272724 | 385400 | 321 |
| T61 | V162 | 105 | 275541 | 385052 | 322 |
| T62 | V162 | 105 | 278340 | 384716 | 321 |
| T63 | V162 | 105 | 276704 | 384591 | 320 |
| T65 | V162 | 105 | 275740 | 384377 | 320 |
| T66 | V162 | 105 | 277302 | 383619 | 321 |
| T67 | V162 | 105 | 277392 | 383050 | 320 |
| T69 | V162 | 105 | 275120 | 382205 | 318 |
| T70 | V162 | 105 | 278117 | 382026 | 319 |
| T71 | V162 | 105 | 276951 | 380588 | 317 |
| Two Transformers | each | 3.5 | 276371 | 385394 | 218 |
| Sapphire Sky Turbines | | | | | |
| T-02 | V150 | 105 | 275595 | 401975 | 329 |
| T-03 | V150 | 105 | 275016 | 402387 | 330 |
| T-04 | V150 | 105 | 271564 | 403591 | 332 |
| T-05 | V150 | 105 | 278819 | 403596 | 328 |
| T-06 | V150 | 105 | 274403 | 403611 | 331 |
| T-07 | V150 | 105 | 272803 | 403524 | 332 |
| T-08 | V150 | 105 | 278240 | 403910 | 328 |
| T-09 | V150 | 105 | 270929 | 403863 | 334 |
| T-10 | V150 | 105 | 271984 | 404850 | 333 |

| Turbine ID | Turbine Model | Relative Height (m) | Coordinates IL State Plane (NAD 83) | | Source Elevation (m) |
|---|---|---|---|---|---|
| | | | X (m) | Y (m) | |
| T-11 | V136 | 105 | 272571 | 404016 | 332 |
| T-12 | V150 | 105 | 287216 | 404757 | 332 |
| T-13 | V136 | 105 | 285412 | 404759 | 333 |
| T-14 | V136 | 105 | 274998 | 404976 | 332 |
| T-16 | V136 | 105 | 274007 | 404933 | 332 |
| T-17 | V136 | 105 | 284784 | 405110 | 337 |
| T-18 | V136 | 105 | 273736 | 405832 | 333 |
| T-19 | V150 | 105 | 281649 | 405118 | 340 |
| T-20 | V150 | 105 | 271155 | 405177 | 335 |
| T-21 | V136 | 105 | 273302 | 405253 | 332 |
| T-22 | V150 | 105 | 286419 | 405528 | 331 |
| T-23 | V150 | 105 | 282838 | 405563 | 338 |
| T-24 | V136 | 105 | 285585 | 405616 | 331 |
| T-25 | V136 | 105 | 275719 | 405190 | 331 |
| T-26 | V150 | 105 | 272006 | 405582 | 334 |
| T-27 | V150 | 105 | 282330 | 405712 | 336 |
| T-30 | V136 | 105 | 278137 | 406740 | 331 |
| T-31 | V136 | 105 | 275260 | 405948 | 332 |
| T-32 | V136 | 105 | 286575 | 406373 | 331 |
| T-33 | V150 | 105 | 279240 | 406373 | 331 |
| T-34 | V150 | 105 | 271663 | 406345 | 339 |
| T-36 | V136 | 105 | 281806 | 406567 | 339 |
| T-37 | V136 | 105 | 285905 | 406679 | 332 |
| T-38 | V150 | 105 | 284582 | 406800 | 335 |
| T-39 | V136 | 105 | 277548 | 406727 | 331 |
| T-40 | V136 | 105 | 285372 | 407190 | 333 |
| T-41 | V150 | 105 | 288183 | 407291 | 332 |
| T-43 | V136 | 105 | 286644 | 407530 | 333 |
| T-44 | V136 | 105 | 277060 | 407506 | 338 |
| T-45 | V150 | 105 | 287868 | 408003 | 331 |
| T-47 | V150 | 105 | 280883 | 407967 | 339 |
| T-49 | V150 | 105 | 275900 | 408235 | 342 |
| T-50 | V150 | 105 | 277031 | 408383 | 342 |
| T-52 | V150 | 105 | 274927 | 408562 | 341 |
| T-55 | V150 | 105 | 281584 | 409090 | 338 |
| T-57 | V136 | 105 | 284244 | 409626 | 336 |
| T-59 | V150 | 105 | 273863 | 409739 | 340 |
| T-60 | V150 | 105 | 284907 | 409924 | 333 |
| T-61 | V150 | 105 | 277687 | 409908 | 337 |
| T-63 | V150 | 105 | 281951 | 410290 | 347 |

| Turbine ID | Turbine Model | Relative Height (m) | Coordinates IL State Plane (NAD 83) | | Source Elevation (m) |
|---|---|---|---|---|---|
| | | | X (m) | Y (m) | |
| T-65 | V150 | 105 | 274332 | 410478 | 340 |
| T-67 | V150 | 105 | 280457 | 410708 | 337 |
| T-69 | V150 | 105 | 275339 | 410805 | 340 |
| T-71 | V150 | 105 | 277323 | 411259 | 338 |
| T-73 | V150 | 105 | 273644 | 411279 | 340 |
| T-76 | V150 | 105 | 274368 | 411682 | 341 |
| T-80 | V150 | 105 | 278565 | 412187 | 337 |
| T-81 | V150 | 105 | 273430 | 412400 | 342 |
| T-82 | V150 | 105 | 272603 | 412412 | 342 |
| T-84 | V150 | 105 | 281684 | 404269 | 344 |
| T-85 | V136 | 105 | 277556 | 412738 | 342 |
| T-88 | V150 | 105 | 276824 | 412877 | 347 |
| T-90 | V136 | 105 | 278205 | 413038 | 341 |
| T-97 | V150 | 105 | 281683 | 403591 | 340 |
| T-98 | V136 | 105 | 282867 | 410568 | 351 |

# APPENDIX D. MODEL RESULTS BY RECEPTOR[14]

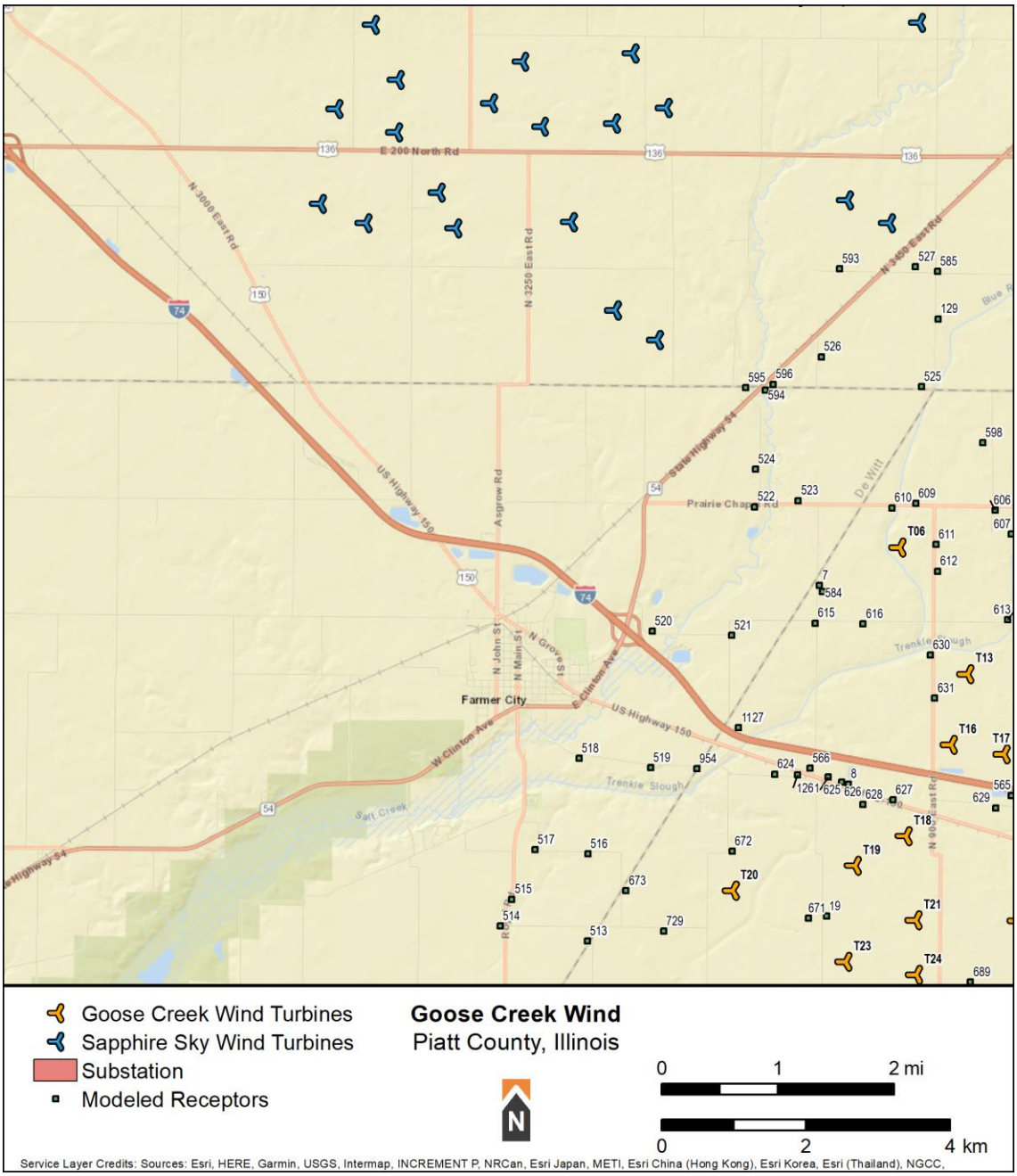


**FIGURE 17: MAP OF RECEPTORS[14] - NORTHWEST AREA**

[14] For modeling purposes in this assessment, the modeled discrete receptors are the same as the primary structures.

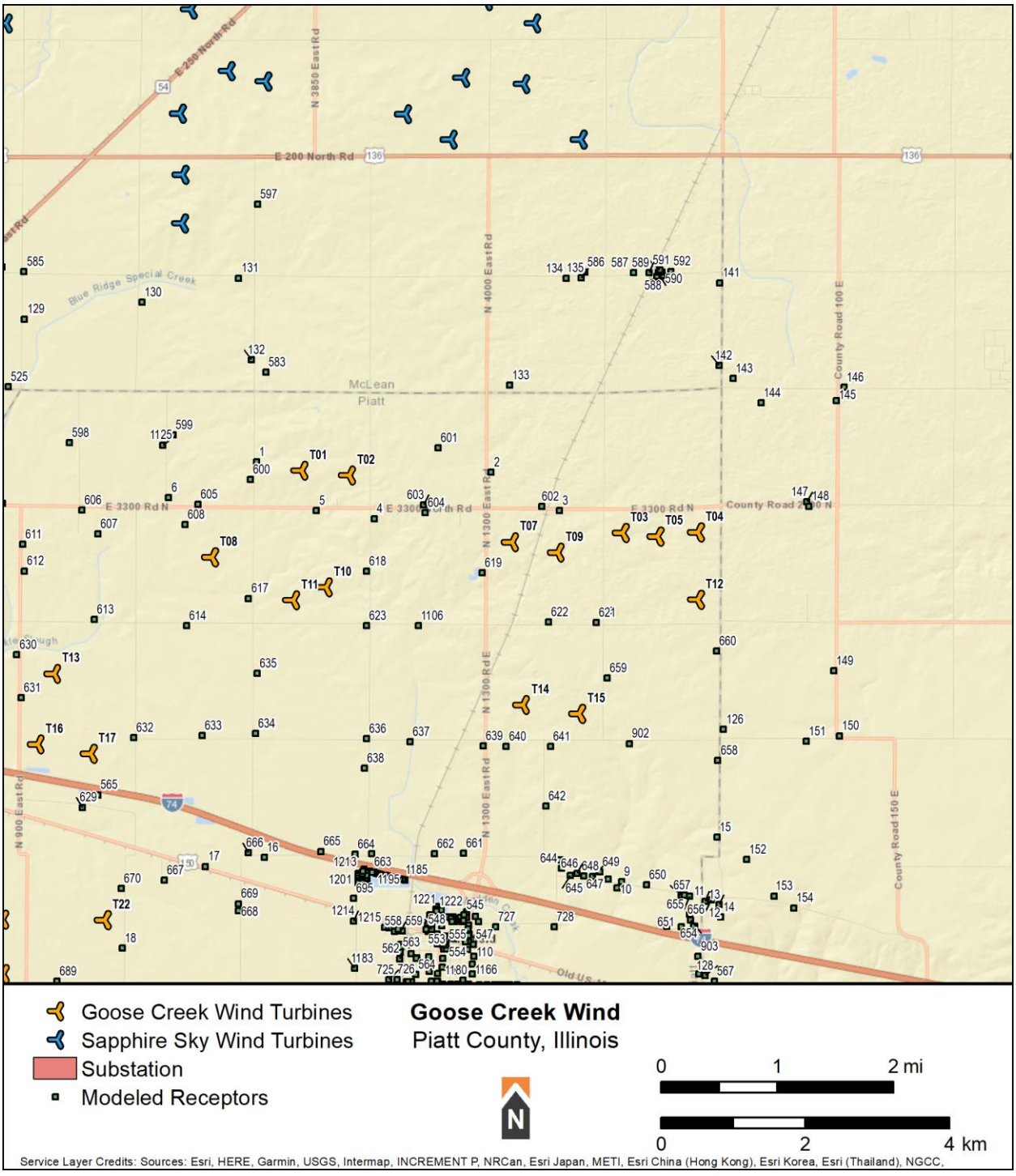


**FIGURE 18: MAP OF MODELED RECEPTORS – NORTHEAST AREA**

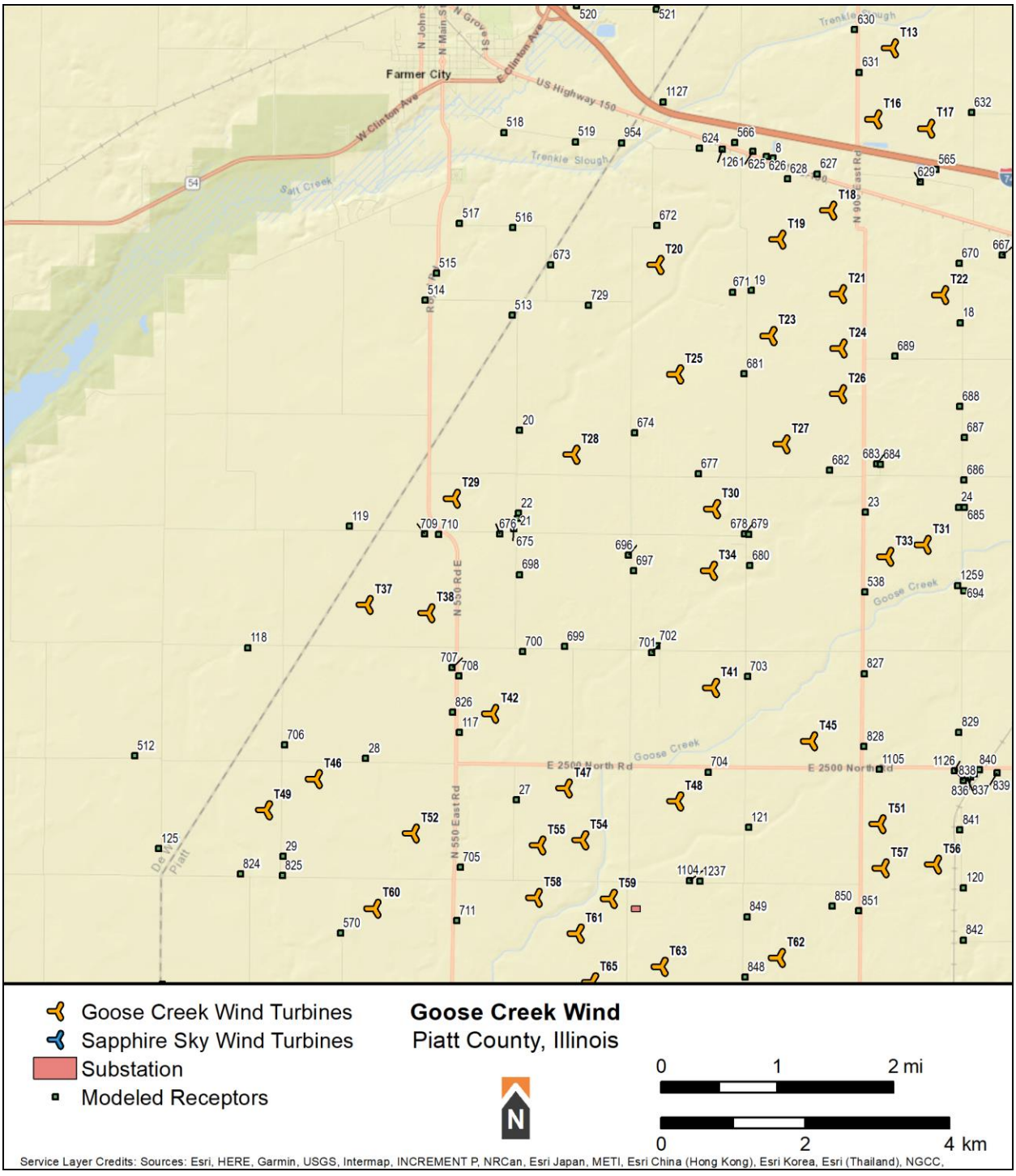


**FIGURE 19: MAP OF MODELED RECEPTORS - CENTRAL-WEST AREA**

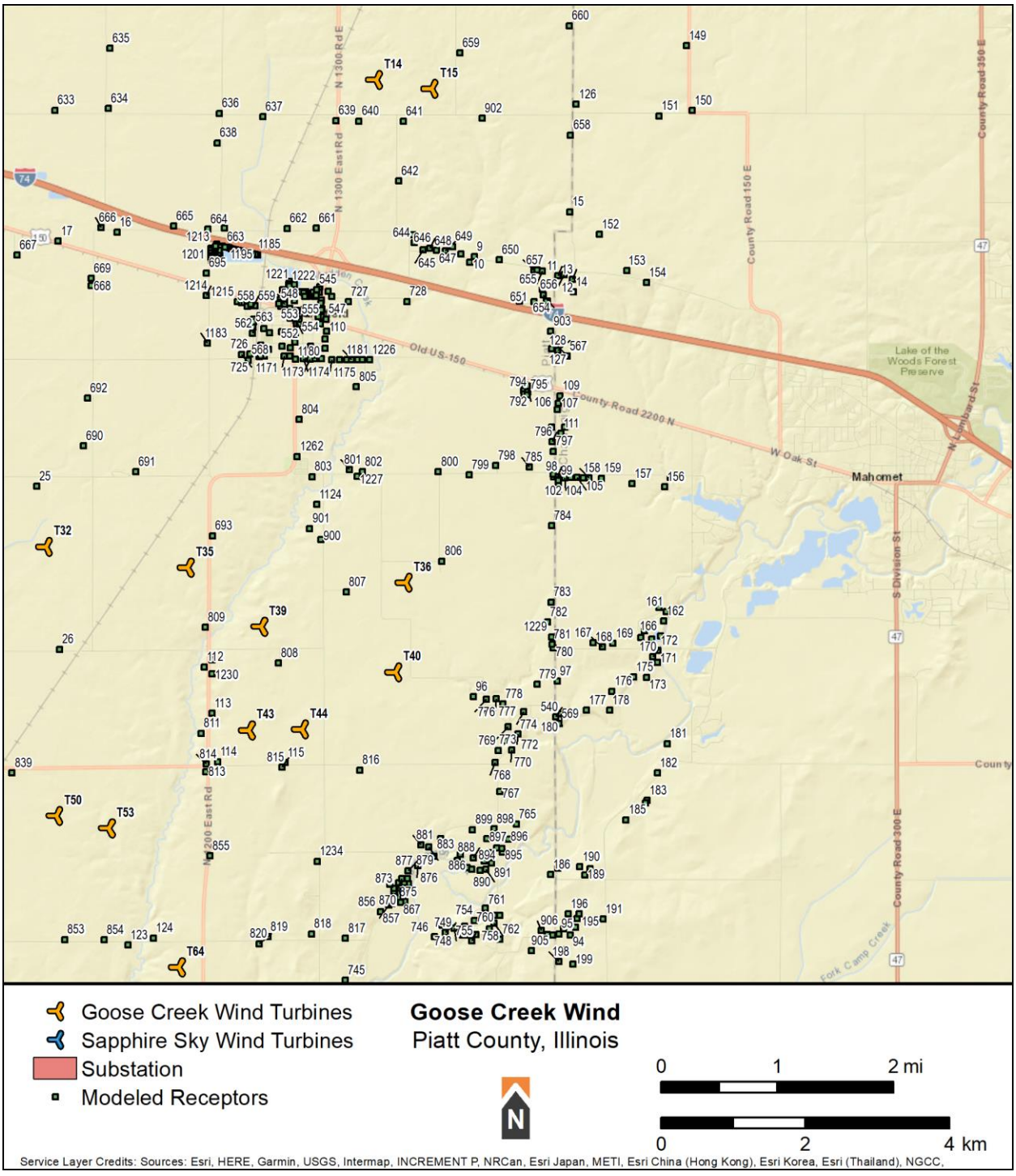


**FIGURE 20: MAP OF MODELED RECEPTORS - CENTRAL-EAST AREA**

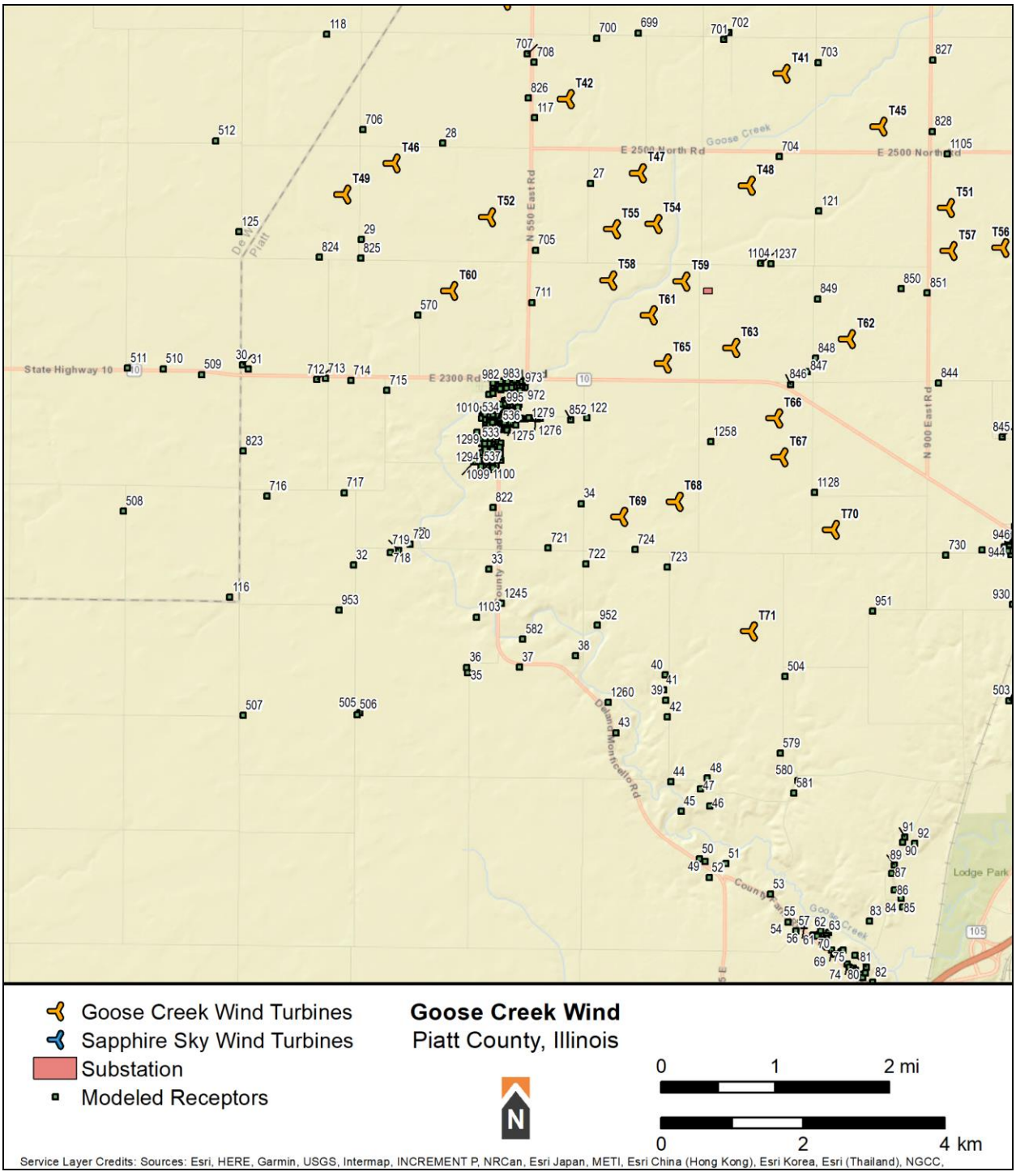


**FIGURE 21: MAP OF MODELED RECEPTORS - SOUTHWESTERN AREA**

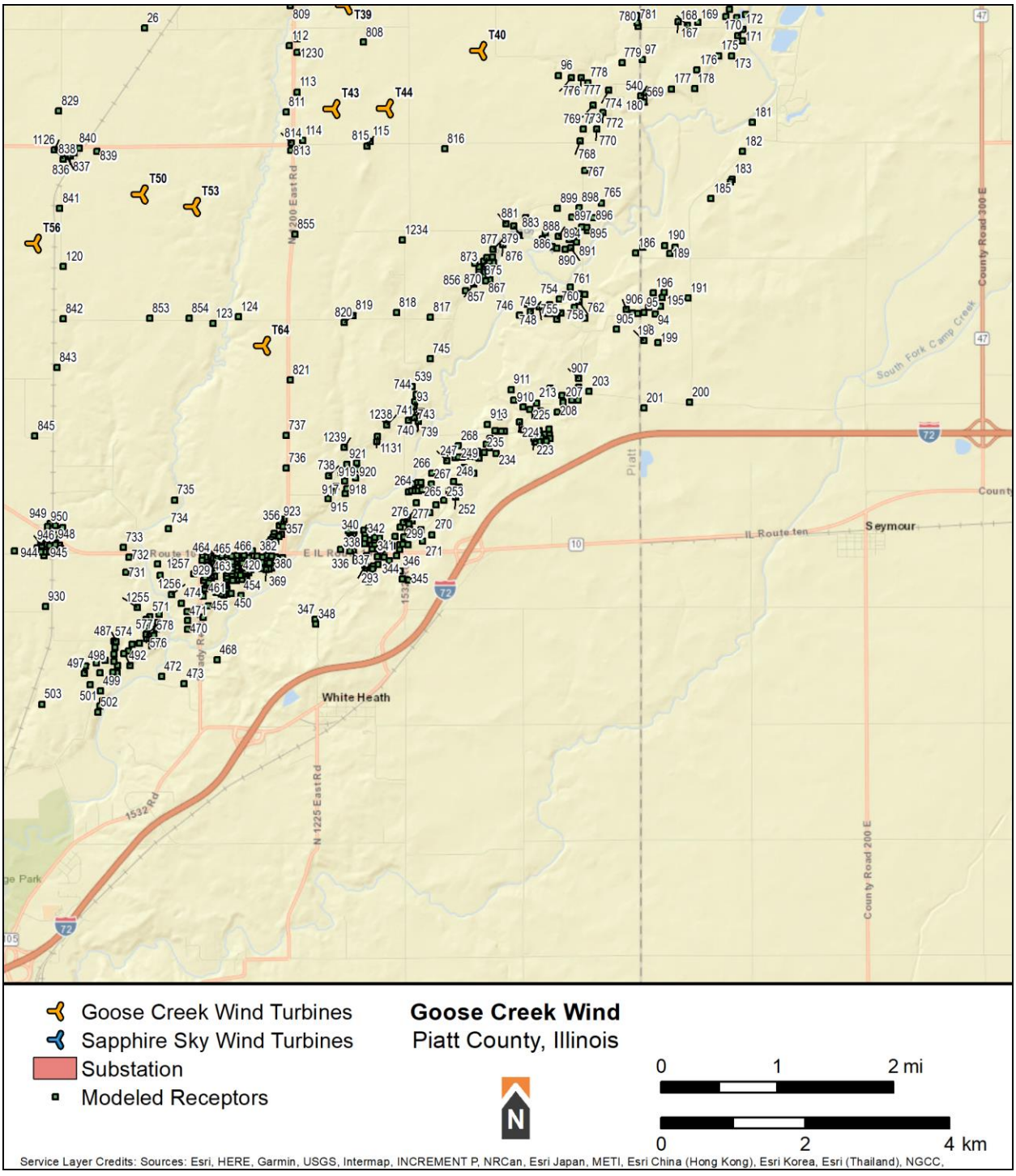


**FIGURE 22: MAP OF MODELED RECEPTORS - SOUTHEASTERN AREA**

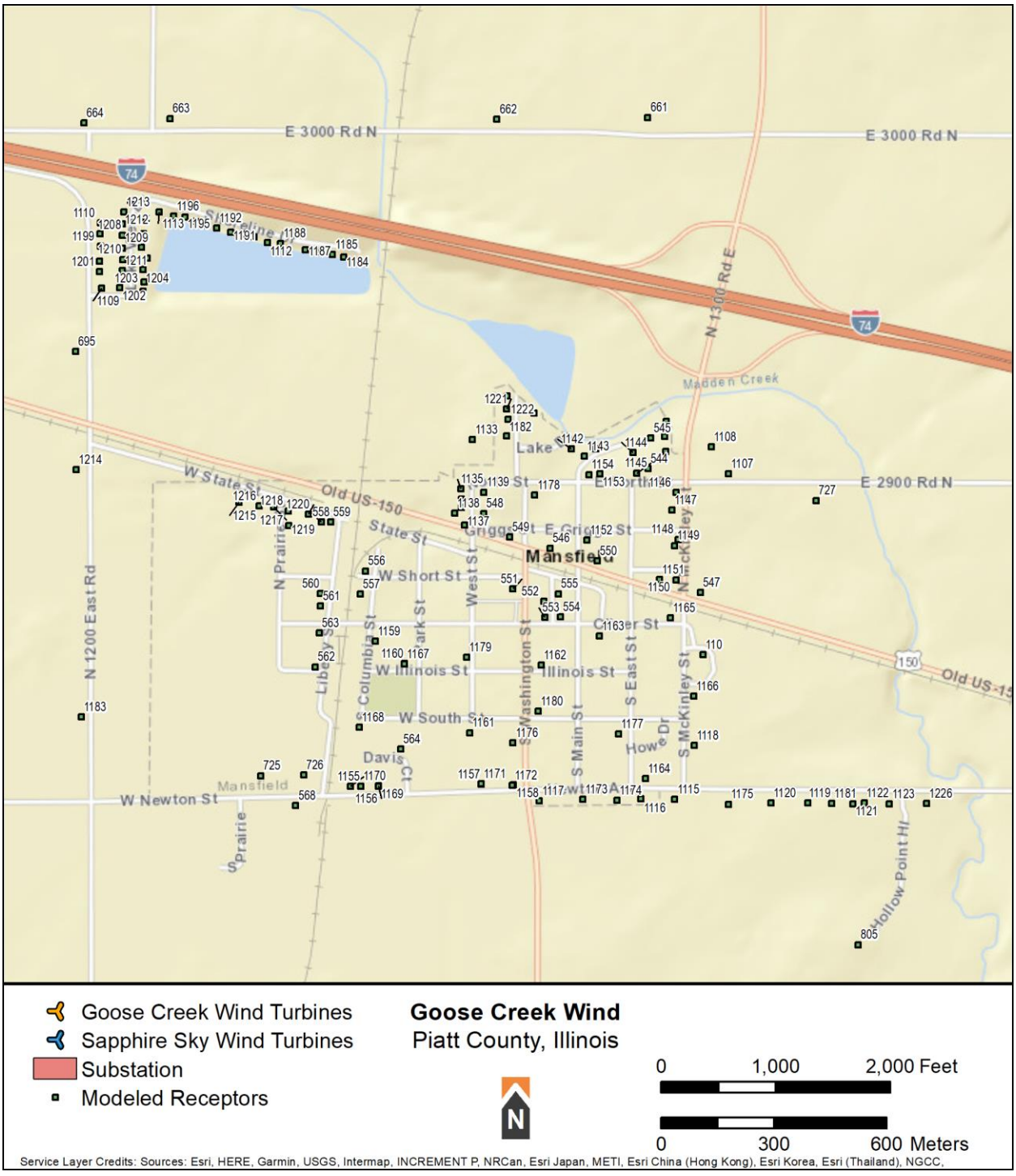


**FIGURE 23: MAP OF MODELED RECEPTORS - MANSFIELD AREA**

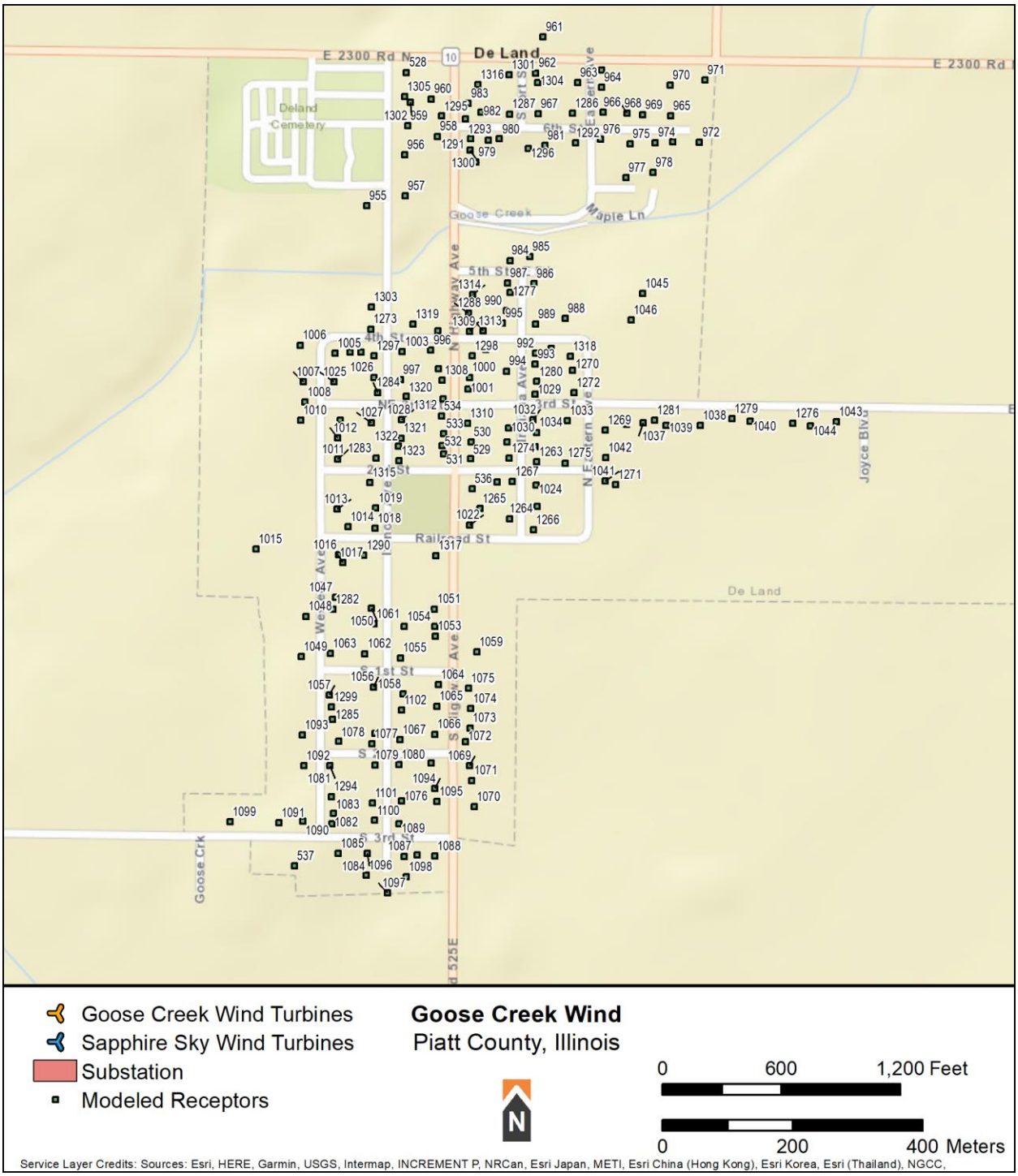


**FIGURE 24: MAP OF MODELED RECEPTORS – DE LAND AREA**

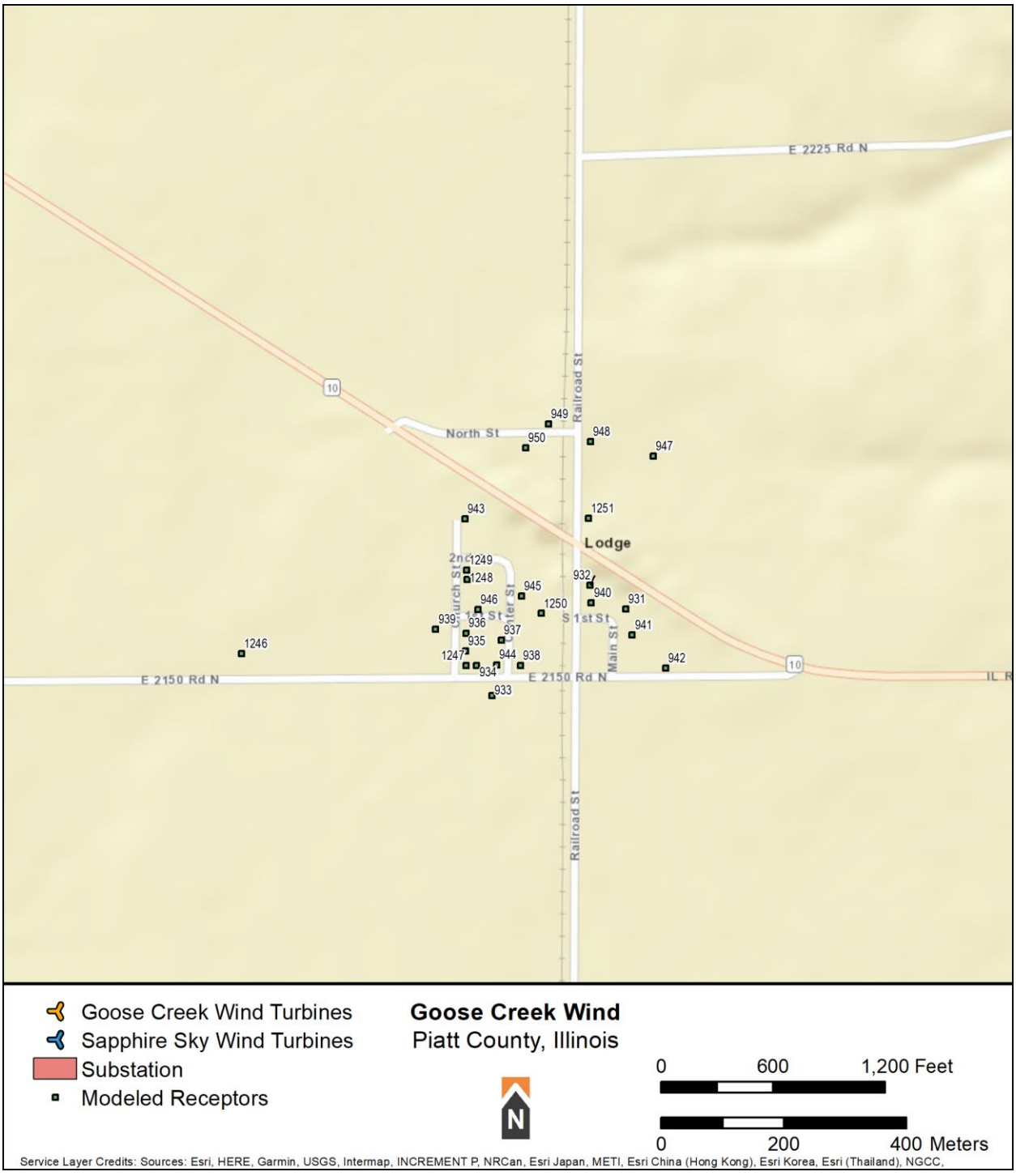


**FIGURE 25: MAP OF MODELED RECEPTORS - LODGE AREA**

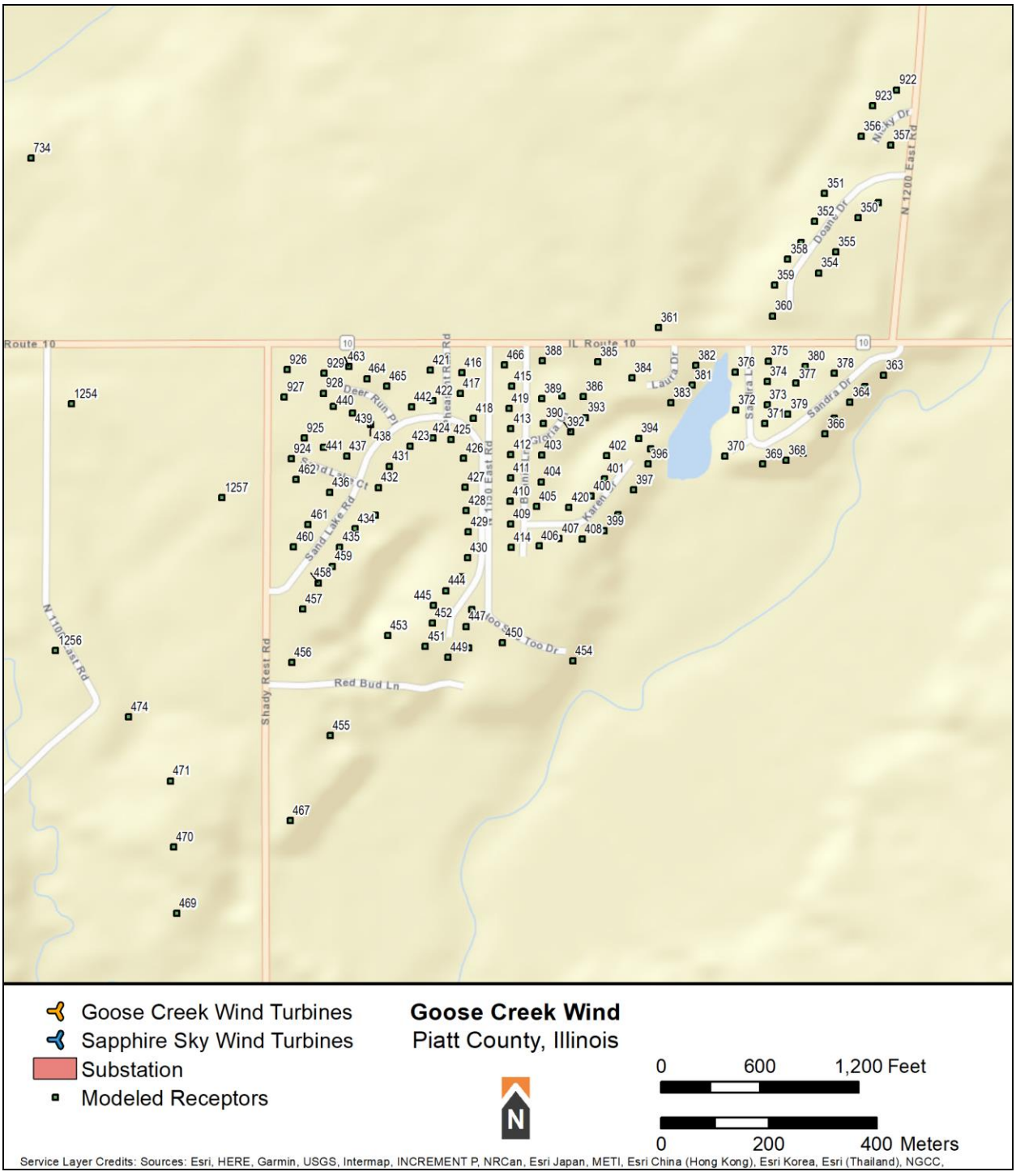


**FIGURE 26: MAP OF MODELED RECEPTORS - SAND LAKE AREA**

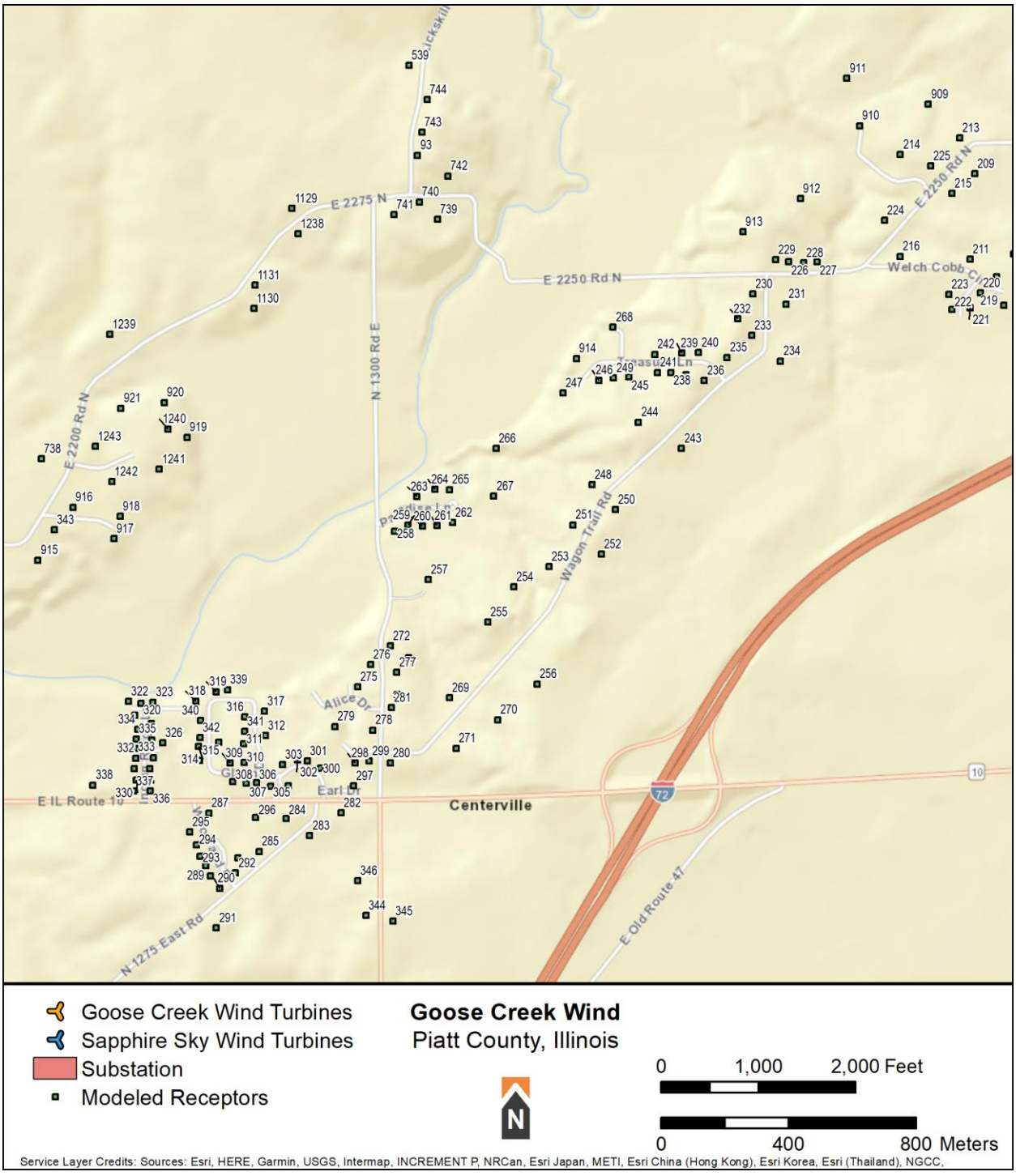


**FIGURE 27: MAP OF MODELED RECEPTORS - CENTERVILLE AREA**

**TABLE 6: DISCRETE RECEPTOR[14] MODEL RESULTS**

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 1 | 57 | 55 | 49 | 46 | 43 | 37 | 28 | 6 | 0 | 282739 | 400281 | 236 |
| 2 | 53 | 51 | 45 | 41 | 36 | 29 | 14 | 0 | 0 | 285994 | 400136 | 248 |
| 3 | 57 | 55 | 49 | 47 | 43 | 38 | 29 | 8 | 0 | 286944 | 399604 | 243 |
| 4 | 56 | 54 | 48 | 45 | 42 | 36 | 26 | 3 | 0 | 284372 | 399494 | 246 |
| 5 | 58 | 56 | 51 | 48 | 45 | 40 | 31 | 10 | 0 | 283569 | 399604 | 235 |
| 6 | 54 | 52 | 46 | 43 | 38 | 32 | 20 | 0 | 0 | 281518 | 399787 | 226 |
| 7 | 53 | 51 | 44 | 41 | 36 | 29 | 16 | 0 | 0 | 277875 | 398569 | 224 |
| 8 | 56 | 54 | 47 | 45 | 40 | 34 | 22 | 0 | 0 | 278273 | 395816 | 223 |
| 9 | 45 | 43 | 39 | 34 | 28 | 20 | 0 | 0 | 0 | 287806 | 394450 | 232 |
| 10 | 44 | 42 | 37 | 34 | 28 | 19 | 0 | 0 | 0 | 287743 | 394369 | 231 |
| 11 | 46 | 44 | 37 | 32 | 26 | 16 | 0 | 0 | 0 | 288961 | 394183 | 244 |
| 12 | 45 | 43 | 37 | 32 | 26 | 15 | 0 | 0 | 0 | 289053 | 394202 | 245 |
| 13 | 44 | 42 | 36 | 32 | 25 | 15 | 0 | 0 | 0 | 289161 | 394136 | 246 |
| 14 | 39 | 38 | 35 | 30 | 23 | 12 | 0 | 0 | 0 | 289179 | 393961 | 243 |
| 15 | 48 | 45 | 39 | 35 | 29 | 19 | 0 | 0 | 0 | 289126 | 395072 | 244 |
| 16 | 51 | 49 | 42 | 37 | 30 | 19 | 0 | 0 | 0 | 282845 | 394789 | 227 |
| 17 | 52 | 50 | 43 | 38 | 32 | 22 | 0 | 0 | 0 | 282028 | 394665 | 226 |
| 18 | 53 | 51 | 45 | 42 | 37 | 29 | 12 | 0 | 0 | 280872 | 393533 | 227 |
| 19 | 59 | 57 | 51 | 48 | 45 | 39 | 29 | 5 | 0 | 277972 | 393984 | 224 |
| 20 | 56 | 54 | 48 | 45 | 41 | 35 | 24 | 0 | 0 | 274759 | 392037 | 224 |
| 21 | 56 | 54 | 48 | 45 | 40 | 34 | 22 | 0 | 0 | 274725 | 390816 | 225 |
| 22 | 56 | 54 | 48 | 45 | 40 | 34 | 23 | 0 | 0 | 274742 | 390886 | 225 |
| 23 | 57 | 56 | 50 | 47 | 43 | 37 | 27 | 4 | 0 | 279556 | 390901 | 225 |
| 24 | 56 | 54 | 48 | 45 | 41 | 36 | 26 | 2 | 0 | 280854 | 390971 | 225 |
| 25 | 52 | 50 | 43 | 40 | 35 | 27 | 11 | 0 | 0 | 281727 | 391260 | 226 |
| 26 | 51 | 49 | 42 | 37 | 31 | 22 | 3 | 0 | 0 | 282045 | 388998 | 224 |
| 27 | 58 | 56 | 50 | 48 | 44 | 38 | 27 | 2 | 0 | 274711 | 386911 | 220 |
| 28 | 56 | 54 | 48 | 45 | 41 | 35 | 25 | 0 | 0 | 272623 | 387482 | 221 |
| 29 | 54 | 52 | 46 | 42 | 38 | 31 | 18 | 0 | 0 | 271474 | 386122 | 221 |
| 30 | 48 | 46 | 39 | 34 | 27 | 16 | 0 | 0 | 0 | 269800 | 384349 | 220 |
| 31 | 49 | 47 | 39 | 34 | 28 | 17 | 0 | 0 | 0 | 269878 | 384294 | 219 |
| 32 | 48 | 46 | 38 | 33 | 26 | 14 | 0 | 0 | 0 | 271365 | 381524 | 220 |

[15] Please note that the primary structure IDs are not numbered sequentially so the number of receptors does not match the highest primary structure ID.

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 33 | 50 | 48 | 41 | 37 | 31 | 22 | 4 | 0 | 0 | 273275 | 381466 | 218 |
| 34 | 56 | 54 | 49 | 46 | 42 | 37 | 29 | 8 | 0 | 274577 | 382393 | 219 |
| 35 | 48 | 46 | 39 | 34 | 27 | 16 | 0 | 0 | 0 | 272979 | 380002 | 217 |
| 36 | 48 | 46 | 39 | 34 | 27 | 16 | 0 | 0 | 0 | 272965 | 380079 | 217 |
| 37 | 49 | 47 | 40 | 35 | 29 | 19 | 0 | 0 | 0 | 273707 | 380083 | 218 |
| 38 | 50 | 48 | 41 | 37 | 32 | 23 | 4 | 0 | 0 | 274500 | 380246 | 216 |
| 39 | 49 | 47 | 42 | 38 | 33 | 26 | 11 | 0 | 0 | 275776 | 379615 | 215 |
| 40 | 49 | 47 | 42 | 39 | 34 | 28 | 14 | 0 | 0 | 275766 | 379973 | 212 |
| 41 | 51 | 49 | 42 | 39 | 34 | 26 | 12 | 0 | 0 | 275741 | 379758 | 215 |
| 42 | 50 | 48 | 41 | 37 | 32 | 25 | 9 | 0 | 0 | 275793 | 379381 | 215 |
| 43 | 49 | 46 | 40 | 35 | 29 | 20 | 0 | 0 | 0 | 275071 | 379157 | 215 |
| 44 | 42 | 41 | 38 | 34 | 27 | 18 | 0 | 0 | 0 | 275845 | 378463 | 212 |
| 45 | 46 | 43 | 37 | 33 | 26 | 17 | 0 | 0 | 0 | 275990 | 378047 | 213 |
| 46 | 39 | 37 | 35 | 32 | 26 | 16 | 0 | 0 | 0 | 276397 | 378122 | 212 |
| 47 | 46 | 44 | 38 | 34 | 28 | 19 | 0 | 0 | 0 | 276265 | 378359 | 215 |
| 48 | 45 | 43 | 38 | 35 | 29 | 20 | 2 | 0 | 0 | 276362 | 378516 | 213 |
| 49 | 45 | 43 | 36 | 31 | 24 | 13 | 0 | 0 | 0 | 276333 | 377340 | 212 |
| 50 | 42 | 40 | 36 | 30 | 23 | 13 | 0 | 0 | 0 | 276250 | 377376 | 213 |
| 51 | 44 | 42 | 36 | 31 | 24 | 13 | 0 | 0 | 0 | 276624 | 377308 | 209 |
| 52 | 45 | 43 | 35 | 30 | 23 | 12 | 0 | 0 | 0 | 276389 | 377112 | 208 |
| 53 | 44 | 42 | 34 | 29 | 22 | 11 | 0 | 0 | 0 | 277249 | 376874 | 205 |
| 54 | 42 | 39 | 32 | 27 | 20 | 8 | 0 | 0 | 0 | 277499 | 376480 | 198 |
| 55 | 42 | 39 | 32 | 27 | 20 | 8 | 0 | 0 | 0 | 277682 | 376485 | 197 |
| 56 | 41 | 39 | 32 | 27 | 20 | 8 | 0 | 0 | 0 | 277728 | 376427 | 196 |
| 57 | 43 | 40 | 33 | 27 | 20 | 8 | 0 | 0 | 0 | 277612 | 376356 | 196 |
| 58 | 43 | 40 | 32 | 27 | 20 | 7 | 0 | 0 | 0 | 277849 | 376301 | 194 |
| 59 | 43 | 40 | 32 | 27 | 20 | 7 | 0 | 0 | 0 | 277935 | 376308 | 194 |
| 60 | 43 | 40 | 32 | 27 | 20 | 7 | 0 | 0 | 0 | 277909 | 376283 | 194 |
| 61 | 42 | 40 | 32 | 27 | 20 | 7 | 0 | 0 | 0 | 277963 | 376359 | 195 |
| 62 | 43 | 40 | 32 | 27 | 20 | 7 | 0 | 0 | 0 | 278070 | 376338 | 194 |
| 63 | 43 | 40 | 32 | 27 | 20 | 7 | 0 | 0 | 0 | 278044 | 376291 | 194 |
| 64 | 42 | 40 | 32 | 27 | 20 | 7 | 0 | 0 | 0 | 278035 | 376257 | 193 |
| 65 | 42 | 40 | 32 | 27 | 19 | 7 | 0 | 0 | 0 | 277996 | 376224 | 193 |
| 66 | 42 | 40 | 32 | 27 | 19 | 6 | 0 | 0 | 0 | 277982 | 376186 | 192 |
| 67 | 42 | 40 | 32 | 27 | 19 | 6 | 0 | 0 | 0 | 278028 | 376152 | 192 |
| 68 | 42 | 40 | 32 | 27 | 19 | 6 | 0 | 0 | 0 | 278051 | 376129 | 191 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 69 | 42 | 40 | 32 | 27 | 19 | 6 | 0 | 0 | 0 | 278116 | 376087 | 191 |
| 70 | 42 | 40 | 32 | 26 | 19 | 5 | 0 | 0 | 0 | 278162 | 376031 | 190 |
| 71 | 42 | 40 | 32 | 26 | 18 | 5 | 0 | 0 | 0 | 278444 | 376012 | 189 |
| 72 | 42 | 40 | 32 | 26 | 19 | 6 | 0 | 0 | 0 | 278250 | 376068 | 190 |
| 73 | 42 | 40 | 32 | 27 | 19 | 6 | 0 | 0 | 0 | 278280 | 376087 | 190 |
| 74 | 41 | 39 | 31 | 26 | 18 | 4 | 0 | 0 | 0 | 278337 | 375888 | 187 |
| 75 | 41 | 39 | 31 | 26 | 18 | 4 | 0 | 0 | 0 | 278365 | 375843 | 186 |
| 76 | 41 | 39 | 31 | 26 | 18 | 4 | 0 | 0 | 0 | 278425 | 375831 | 186 |
| 77 | 41 | 39 | 31 | 25 | 18 | 4 | 0 | 0 | 0 | 278450 | 375797 | 185 |
| 78 | 41 | 39 | 31 | 25 | 17 | 4 | 0 | 0 | 0 | 278516 | 375741 | 184 |
| 79 | 41 | 39 | 31 | 25 | 17 | 3 | 0 | 0 | 0 | 278554 | 375695 | 183 |
| 80 | 41 | 39 | 31 | 25 | 17 | 4 | 0 | 0 | 0 | 278594 | 375768 | 184 |
| 81 | 41 | 39 | 31 | 25 | 18 | 4 | 0 | 0 | 0 | 278603 | 375846 | 185 |
| 82 | 41 | 39 | 30 | 25 | 17 | 3 | 0 | 0 | 0 | 278692 | 375629 | 181 |
| 83 | 41 | 39 | 32 | 27 | 19 | 7 | 0 | 0 | 0 | 278651 | 376495 | 195 |
| 84 | 43 | 40 | 33 | 27 | 20 | 7 | 0 | 0 | 0 | 279118 | 376696 | 196 |
| 85 | 43 | 41 | 33 | 28 | 20 | 8 | 0 | 0 | 0 | 279099 | 376819 | 197 |
| 86 | 42 | 39 | 32 | 27 | 20 | 8 | 0 | 0 | 0 | 279000 | 376933 | 197 |
| 87 | 35 | 33 | 30 | 23 | 15 | 3 | 0 | 0 | 0 | 278969 | 377172 | 196 |
| 88 | 45 | 42 | 35 | 30 | 23 | 11 | 0 | 0 | 0 | 278990 | 377409 | 207 |
| 89 | 36 | 33 | 30 | 24 | 16 | 4 | 0 | 0 | 0 | 279004 | 377288 | 198 |
| 90 | 44 | 41 | 34 | 29 | 23 | 11 | 0 | 0 | 0 | 279117 | 377606 | 207 |
| 91 | 40 | 38 | 32 | 28 | 21 | 11 | 0 | 0 | 0 | 279152 | 377680 | 207 |
| 92 | 40 | 38 | 32 | 27 | 20 | 10 | 0 | 0 | 0 | 279290 | 377595 | 206 |
| 93 | 37 | 34 | 26 | 19 | 10 | 0 | 0 | 0 | 0 | 285786 | 383736 | 220 |
| 94 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289138 | 385028 | 217 |
| 95 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288977 | 385048 | 221 |
| 96 | 34 | 31 | 22 | 16 | 6 | 0 | 0 | 0 | 0 | 287790 | 388339 | 217 |
| 97 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288953 | 388557 | 217 |
| 98 | 42 | 40 | 32 | 26 | 17 | 2 | 0 | 0 | 0 | 288959 | 391395 | 224 |
| 99 | 40 | 38 | 31 | 25 | 16 | 2 | 0 | 0 | 0 | 288968 | 391339 | 224 |
| 100 | 40 | 38 | 29 | 24 | 16 | 1 | 0 | 0 | 0 | 288968 | 391270 | 224 |
| 101 | 34 | 33 | 29 | 23 | 13 | 0 | 0 | 0 | 0 | 288969 | 391211 | 223 |
| 102 | 42 | 39 | 31 | 25 | 17 | 2 | 0 | 0 | 0 | 289055 | 391381 | 224 |
| 103 | 42 | 39 | 31 | 25 | 17 | 2 | 0 | 0 | 0 | 289144 | 391384 | 224 |
| 104 | 40 | 38 | 31 | 25 | 16 | 1 | 0 | 0 | 0 | 289227 | 391384 | 224 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 105 | 41 | 38 | 30 | 24 | 16 | 1 | 0 | 0 | 0 | 289314 | 391381 | 223 |
| 106 | 38 | 37 | 33 | 27 | 18 | 5 | 0 | 0 | 0 | 288959 | 392329 | 226 |
| 107 | 43 | 41 | 33 | 28 | 20 | 7 | 0 | 0 | 0 | 288969 | 392413 | 227 |
| 108 | 36 | 36 | 32 | 26 | 17 | 3 | 0 | 0 | 0 | 289057 | 392085 | 225 |
| 109 | 43 | 41 | 33 | 28 | 21 | 8 | 0 | 0 | 0 | 288994 | 392519 | 228 |
| 110 | 49 | 46 | 38 | 33 | 26 | 14 | 0 | 0 | 0 | 285754 | 393416 | 226 |
| 111 | 43 | 40 | 32 | 27 | 19 | 5 | 0 | 0 | 0 | 289006 | 391994 | 226 |
| 112 | 46 | 44 | 36 | 31 | 24 | 11 | 0 | 0 | 0 | 284053 | 388754 | 217 |
| 113 | 41 | 39 | 35 | 29 | 21 | 8 | 0 | 0 | 0 | 284162 | 388109 | 220 |
| 114 | 46 | 43 | 35 | 29 | 21 | 8 | 0 | 0 | 0 | 284243 | 387437 | 220 |
| 115 | 34 | 34 | 31 | 25 | 15 | 1 | 0 | 0 | 0 | 285178 | 387426 | 222 |
| 116 | 45 | 42 | 35 | 29 | 20 | 5 | 0 | 0 | 0 | 269618 | 381072 | 218 |
| 117 | 58 | 56 | 50 | 48 | 44 | 39 | 30 | 11 | 0 | 273919 | 387841 | 221 |
| 118 | 52 | 49 | 43 | 39 | 34 | 26 | 10 | 0 | 0 | 270987 | 389021 | 224 |
| 119 | 54 | 52 | 46 | 43 | 38 | 32 | 19 | 0 | 0 | 272394 | 390706 | 224 |
| 120 | 51 | 49 | 41 | 37 | 30 | 20 | 0 | 0 | 0 | 280919 | 385689 | 220 |
| 121 | 55 | 53 | 48 | 45 | 40 | 33 | 20 | 0 | 0 | 277936 | 386525 | 221 |
| 122 | 55 | 53 | 47 | 44 | 39 | 32 | 17 | 0 | 0 | 274663 | 383607 | 219 |
| 123 | 45 | 42 | 37 | 31 | 23 | 9 | 0 | 0 | 0 | 282997 | 384893 | 212 |
| 124 | 47 | 44 | 36 | 31 | 22 | 8 | 0 | 0 | 0 | 283350 | 384991 | 216 |
| 125 | 50 | 47 | 40 | 36 | 30 | 20 | 0 | 0 | 0 | 269750 | 386233 | 223 |
| 126 | 49 | 47 | 42 | 38 | 33 | 26 | 9 | 0 | 0 | 289219 | 396568 | 242 |
| 127 | 43 | 41 | 34 | 29 | 22 | 10 | 0 | 0 | 0 | 288964 | 393204 | 232 |
| 128 | 38 | 37 | 34 | 29 | 21 | 9 | 0 | 0 | 0 | 288965 | 393150 | 232 |
| 129 | 53 | 50 | 44 | 40 | 36 | 28 | 12 | 0 | 0 | 279517 | 402265 | 227 |
| 130 | 53 | 51 | 45 | 42 | 38 | 31 | 17 | 0 | 0 | 281146 | 402501 | 231 |
| 131 | 52 | 50 | 45 | 42 | 38 | 32 | 19 | 0 | 0 | 282489 | 402834 | 238 |
| 132 | 53 | 51 | 44 | 41 | 36 | 28 | 10 | 0 | 0 | 282664 | 401700 | 239 |
| 133 | 49 | 47 | 42 | 38 | 33 | 24 | 2 | 0 | 0 | 286250 | 401346 | 240 |
| 134 | 52 | 49 | 43 | 39 | 34 | 26 | 7 | 0 | 0 | 287037 | 402831 | 232 |
| 135 | 51 | 49 | 43 | 38 | 34 | 26 | 7 | 0 | 0 | 287246 | 402834 | 232 |
| 136 | 51 | 48 | 42 | 37 | 32 | 23 | 2 | 0 | 0 | 288231 | 402768 | 232 |
| 137 | 51 | 48 | 42 | 37 | 32 | 23 | 2 | 0 | 0 | 288264 | 402773 | 232 |
| 138 | 51 | 48 | 42 | 37 | 32 | 23 | 2 | 0 | 0 | 288310 | 402773 | 232 |
| 139 | 51 | 48 | 42 | 37 | 32 | 24 | 3 | 0 | 0 | 288297 | 402862 | 232 |
| 140 | 51 | 48 | 42 | 37 | 32 | 23 | 2 | 0 | 0 | 288373 | 402864 | 232 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 141 | 50 | 47 | 41 | 36 | 30 | 20 | 0 | 0 | 0 | 289168 | 402768 | 231 |
| 142 | 49 | 47 | 41 | 37 | 31 | 22 | 1 | 0 | 0 | 289157 | 401621 | 235 |
| 143 | 51 | 48 | 41 | 37 | 32 | 23 | 3 | 0 | 0 | 289352 | 401442 | 235 |
| 144 | 50 | 47 | 41 | 37 | 32 | 23 | 5 | 0 | 0 | 289739 | 401101 | 234 |
| 145 | 49 | 46 | 39 | 35 | 29 | 19 | 0 | 0 | 0 | 290783 | 401134 | 235 |
| 146 | 48 | 46 | 39 | 34 | 28 | 18 | 0 | 0 | 0 | 290890 | 401320 | 233 |
| 147 | 50 | 48 | 42 | 39 | 34 | 27 | 11 | 0 | 0 | 290371 | 399726 | 236 |
| 148 | 50 | 48 | 42 | 39 | 34 | 26 | 11 | 0 | 0 | 290406 | 399666 | 236 |
| 149 | 48 | 46 | 40 | 36 | 31 | 22 | 3 | 0 | 0 | 290750 | 397379 | 235 |
| 150 | 47 | 45 | 38 | 34 | 28 | 18 | 0 | 0 | 0 | 290825 | 396479 | 236 |
| 151 | 47 | 45 | 39 | 35 | 29 | 20 | 0 | 0 | 0 | 290365 | 396405 | 238 |
| 152 | 41 | 39 | 37 | 32 | 25 | 15 | 0 | 0 | 0 | 289537 | 394760 | 247 |
| 153 | 40 | 39 | 36 | 30 | 23 | 11 | 0 | 0 | 0 | 289917 | 394254 | 248 |
| 154 | 43 | 41 | 35 | 30 | 22 | 10 | 0 | 0 | 0 | 290194 | 394089 | 244 |
| 155 | 39 | 37 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 290524 | 391387 | 216 |
| 156 | 30 | 29 | 27 | 21 | 12 | 0 | 0 | 0 | 0 | 290445 | 391258 | 218 |
| 157 | 35 | 33 | 29 | 22 | 12 | 0 | 0 | 0 | 0 | 289993 | 391300 | 221 |
| 158 | 41 | 38 | 30 | 24 | 16 | 1 | 0 | 0 | 0 | 289396 | 391378 | 223 |
| 159 | 41 | 38 | 30 | 24 | 16 | 1 | 0 | 0 | 0 | 289569 | 391374 | 223 |
| 160 | 24 | 22 | 19 | 14 | 4 | 0 | 0 | 0 | 0 | 290369 | 389580 | 217 |
| 161 | 24 | 21 | 17 | 9 | 0 | 0 | 0 | 0 | 0 | 290471 | 389518 | 213 |
| 162 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 290435 | 389392 | 216 |
| 163 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 290166 | 389255 | 216 |
| 164 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 290117 | 389161 | 215 |
| 165 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 290267 | 389142 | 211 |
| 166 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 290387 | 389185 | 212 |
| 167 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289450 | 389087 | 218 |
| 168 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289583 | 389031 | 218 |
| 169 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289729 | 389079 | 217 |
| 170 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 290278 | 388893 | 212 |
| 171 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 290343 | 388818 | 211 |
| 172 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 290349 | 388980 | 210 |
| 173 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 290195 | 388609 | 212 |
| 174 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289941 | 388566 | 216 |
| 175 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 290016 | 388613 | 214 |
| 176 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289715 | 388416 | 216 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 177 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289361 | 388152 | 218 |
| 178 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289680 | 388156 | 214 |
| 179 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289074 | 388116 | 213 |
| 180 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289003 | 388101 | 214 |
| 181 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 290479 | 387689 | 210 |
| 182 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 290347 | 387285 | 213 |
| 183 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 290201 | 386901 | 213 |
| 184 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 290176 | 386864 | 210 |
| 185 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289909 | 386631 | 215 |
| 186 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288862 | 385872 | 209 |
| 187 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288964 | 385956 | 210 |
| 188 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289409 | 385952 | 222 |
| 189 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289339 | 385866 | 221 |
| 190 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289268 | 385979 | 217 |
| 191 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289590 | 385251 | 223 |
| 192 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289040 | 385120 | 218 |
| 193 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289229 | 385258 | 221 |
| 194 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289205 | 385135 | 218 |
| 195 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289258 | 385326 | 220 |
| 196 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289105 | 385323 | 217 |
| 197 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289054 | 384831 | 222 |
| 198 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288975 | 384661 | 221 |
| 199 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289171 | 384627 | 223 |
| 200 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 289609 | 383803 | 222 |
| 201 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288976 | 383724 | 222 |
| 202 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288072 | 384009 | 221 |
| 203 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288218 | 383950 | 224 |
| 204 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288061 | 383832 | 219 |
| 205 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287975 | 383834 | 218 |
| 206 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287840 | 383896 | 217 |
| 207 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287852 | 383800 | 219 |
| 208 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287776 | 383667 | 220 |
| 209 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287536 | 383678 | 221 |
| 210 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287658 | 383426 | 224 |
| 211 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287521 | 383410 | 221 |
| 212 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287604 | 383355 | 222 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 213 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287489 | 383791 | 220 |
| 214 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287302 | 383739 | 219 |
| 215 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287463 | 383617 | 219 |
| 216 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287301 | 383419 | 217 |
| 217 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287667 | 383346 | 224 |
| 218 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287672 | 383296 | 223 |
| 219 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287626 | 383266 | 221 |
| 220 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287553 | 383304 | 220 |
| 221 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287521 | 383257 | 219 |
| 222 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287463 | 383252 | 218 |
| 223 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287453 | 383299 | 219 |
| 224 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287252 | 383532 | 218 |
| 225 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287397 | 383703 | 219 |
| 226 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286950 | 383402 | 214 |
| 227 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287040 | 383403 | 212 |
| 228 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286998 | 383399 | 213 |
| 229 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286910 | 383408 | 215 |
| 230 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286839 | 383301 | 221 |
| 231 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286943 | 383269 | 216 |
| 232 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286792 | 383223 | 224 |
| 233 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286836 | 383170 | 221 |
| 234 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286926 | 383090 | 220 |
| 235 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286758 | 383101 | 221 |
| 236 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286686 | 383029 | 222 |
| 237 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286629 | 383047 | 226 |
| 238 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286581 | 383054 | 222 |
| 239 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286616 | 383115 | 224 |
| 240 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286668 | 383117 | 224 |
| 241 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286539 | 383054 | 219 |
| 242 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286531 | 383111 | 218 |
| 243 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286615 | 382815 | 221 |
| 244 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286479 | 382898 | 228 |
| 245 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286449 | 383041 | 217 |
| 246 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286355 | 383030 | 216 |
| 247 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286242 | 382990 | 211 |
| 248 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286334 | 382702 | 223 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 249 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286401 | 383037 | 217 |
| 250 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286407 | 382624 | 226 |
| 251 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286274 | 382576 | 226 |
| 252 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286362 | 382483 | 226 |
| 253 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286198 | 382445 | 224 |
| 254 | 24 | 22 | 19 | 14 | 3 | 0 | 0 | 0 | 0 | 286088 | 382381 | 223 |
| 255 | 33 | 31 | 22 | 16 | 6 | 0 | 0 | 0 | 0 | 286006 | 382270 | 226 |
| 256 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286161 | 382076 | 229 |
| 257 | 37 | 34 | 25 | 19 | 9 | 0 | 0 | 0 | 0 | 285819 | 382403 | 213 |
| 258 | 37 | 34 | 26 | 19 | 10 | 0 | 0 | 0 | 0 | 285713 | 382555 | 207 |
| 259 | 28 | 27 | 25 | 18 | 7 | 0 | 0 | 0 | 0 | 285756 | 382574 | 207 |
| 260 | 37 | 34 | 25 | 19 | 9 | 0 | 0 | 0 | 0 | 285801 | 382572 | 207 |
| 261 | 37 | 34 | 25 | 19 | 9 | 0 | 0 | 0 | 0 | 285846 | 382572 | 208 |
| 262 | 36 | 34 | 25 | 19 | 9 | 0 | 0 | 0 | 0 | 285896 | 382583 | 210 |
| 263 | 37 | 34 | 26 | 19 | 9 | 0 | 0 | 0 | 0 | 285783 | 382664 | 207 |
| 264 | 37 | 34 | 25 | 19 | 9 | 0 | 0 | 0 | 0 | 285840 | 382688 | 207 |
| 265 | 37 | 34 | 25 | 19 | 9 | 0 | 0 | 0 | 0 | 285886 | 382686 | 208 |
| 266 | 34 | 31 | 24 | 18 | 8 | 0 | 0 | 0 | 0 | 286033 | 382816 | 206 |
| 267 | 36 | 34 | 25 | 18 | 9 | 0 | 0 | 0 | 0 | 286025 | 382666 | 212 |
| 268 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286400 | 383197 | 210 |
| 269 | 24 | 22 | 18 | 10 | 1 | 0 | 0 | 0 | 0 | 285886 | 382033 | 219 |
| 270 | 26 | 26 | 22 | 14 | 3 | 0 | 0 | 0 | 0 | 286038 | 381963 | 227 |
| 271 | 34 | 31 | 22 | 16 | 6 | 0 | 0 | 0 | 0 | 285907 | 381874 | 226 |
| 272 | 37 | 34 | 26 | 19 | 10 | 0 | 0 | 0 | 0 | 285700 | 382195 | 218 |
| 273 | 28 | 27 | 24 | 18 | 7 | 0 | 0 | 0 | 0 | 285757 | 382158 | 220 |
| 274 | 37 | 34 | 25 | 19 | 9 | 0 | 0 | 0 | 0 | 285722 | 382043 | 221 |
| 275 | 37 | 34 | 26 | 19 | 10 | 0 | 0 | 0 | 0 | 285598 | 382067 | 214 |
| 276 | 37 | 34 | 26 | 19 | 10 | 0 | 0 | 0 | 0 | 285638 | 382137 | 213 |
| 277 | 37 | 34 | 26 | 19 | 9 | 0 | 0 | 0 | 0 | 285720 | 382112 | 218 |
| 278 | 34 | 32 | 25 | 18 | 9 | 0 | 0 | 0 | 0 | 285645 | 381931 | 220 |
| 279 | 30 | 30 | 25 | 18 | 8 | 0 | 0 | 0 | 0 | 285526 | 381942 | 217 |
| 280 | 34 | 32 | 25 | 18 | 8 | 0 | 0 | 0 | 0 | 285700 | 381827 | 221 |
| 281 | 37 | 34 | 26 | 19 | 9 | 0 | 0 | 0 | 0 | 285704 | 382001 | 220 |
| 282 | 37 | 34 | 26 | 19 | 10 | 0 | 0 | 0 | 0 | 285546 | 381671 | 220 |
| 283 | 32 | 30 | 25 | 18 | 8 | 0 | 0 | 0 | 0 | 285447 | 381599 | 216 |
| 284 | 37 | 34 | 26 | 19 | 10 | 0 | 0 | 0 | 0 | 285373 | 381654 | 218 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 285 | 37 | 34 | 26 | 20 | 10 | 0 | 0 | 0 | 0 | 285289 | 381550 | 215 |
| 286 | 37 | 34 | 26 | 20 | 10 | 0 | 0 | 0 | 0 | 285221 | 381529 | 216 |
| 287 | 35 | 32 | 25 | 19 | 10 | 0 | 0 | 0 | 0 | 285131 | 381670 | 213 |
| 288 | 30 | 28 | 27 | 20 | 10 | 0 | 0 | 0 | 0 | 285120 | 381506 | 219 |
| 289 | 29 | 27 | 23 | 17 | 8 | 0 | 0 | 0 | 0 | 285136 | 381472 | 218 |
| 290 | 29 | 27 | 23 | 16 | 7 | 0 | 0 | 0 | 0 | 285165 | 381434 | 219 |
| 291 | 29 | 27 | 24 | 18 | 9 | 0 | 0 | 0 | 0 | 285154 | 381309 | 226 |
| 292 | 35 | 32 | 25 | 18 | 9 | 0 | 0 | 0 | 0 | 285214 | 381483 | 217 |
| 293 | 37 | 35 | 27 | 21 | 11 | 0 | 0 | 0 | 0 | 285102 | 381535 | 217 |
| 294 | 30 | 28 | 25 | 20 | 10 | 0 | 0 | 0 | 0 | 285091 | 381570 | 216 |
| 295 | 30 | 28 | 27 | 20 | 10 | 0 | 0 | 0 | 0 | 285070 | 381610 | 216 |
| 296 | 37 | 34 | 26 | 20 | 10 | 0 | 0 | 0 | 0 | 285278 | 381656 | 215 |
| 297 | 27 | 25 | 21 | 14 | 5 | 0 | 0 | 0 | 0 | 285585 | 381755 | 216 |
| 298 | 30 | 28 | 23 | 16 | 6 | 0 | 0 | 0 | 0 | 285590 | 381827 | 216 |
| 299 | 37 | 34 | 26 | 19 | 10 | 0 | 0 | 0 | 0 | 285634 | 381834 | 219 |
| 300 | 27 | 25 | 21 | 14 | 4 | 0 | 0 | 0 | 0 | 285480 | 381811 | 216 |
| 301 | 28 | 25 | 22 | 15 | 7 | 0 | 0 | 0 | 0 | 285439 | 381834 | 217 |
| 302 | 28 | 27 | 26 | 18 | 8 | 0 | 0 | 0 | 0 | 285409 | 381837 | 219 |
| 303 | 37 | 34 | 26 | 20 | 10 | 0 | 0 | 0 | 0 | 285362 | 381822 | 219 |
| 304 | 29 | 28 | 26 | 18 | 8 | 0 | 0 | 0 | 0 | 285379 | 381756 | 218 |
| 305 | 37 | 34 | 26 | 20 | 10 | 0 | 0 | 0 | 0 | 285325 | 381755 | 217 |
| 306 | 39 | 36 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 285280 | 381766 | 216 |
| 307 | 39 | 36 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 285248 | 381764 | 215 |
| 308 | 39 | 36 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 285206 | 381768 | 214 |
| 309 | 39 | 36 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 285198 | 381827 | 215 |
| 310 | 39 | 36 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 285242 | 381829 | 216 |
| 311 | 39 | 36 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 285240 | 381889 | 214 |
| 312 | 37 | 34 | 27 | 21 | 11 | 0 | 0 | 0 | 0 | 285307 | 381914 | 213 |
| 313 | 39 | 36 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 285161 | 381892 | 213 |
| 314 | 40 | 37 | 29 | 22 | 13 | 0 | 0 | 0 | 0 | 285098 | 381880 | 213 |
| 315 | 39 | 36 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 285101 | 381836 | 212 |
| 316 | 39 | 36 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 285242 | 381973 | 213 |
| 317 | 39 | 36 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 285305 | 381990 | 211 |
| 318 | 31 | 30 | 28 | 21 | 11 | 0 | 0 | 0 | 0 | 285090 | 382022 | 212 |
| 319 | 35 | 32 | 25 | 19 | 10 | 0 | 0 | 0 | 0 | 285153 | 382051 | 208 |
| 320 | 40 | 38 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 284917 | 382015 | 206 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 321 | 40 | 38 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 284897 | 381977 | 207 |
| 322 | 40 | 38 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 284878 | 382022 | 205 |
| 323 | 40 | 38 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 284955 | 382019 | 206 |
| 324 | 33 | 33 | 29 | 21 | 11 | 0 | 0 | 0 | 0 | 284949 | 381952 | 207 |
| 325 | 35 | 33 | 29 | 21 | 11 | 0 | 0 | 0 | 0 | 284951 | 381899 | 210 |
| 326 | 31 | 29 | 26 | 21 | 11 | 0 | 0 | 0 | 0 | 284986 | 381891 | 209 |
| 327 | 40 | 37 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 284956 | 381844 | 212 |
| 328 | 40 | 38 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 284945 | 381809 | 213 |
| 329 | 40 | 37 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 284947 | 381774 | 213 |
| 330 | 40 | 38 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 284903 | 381774 | 211 |
| 331 | 40 | 38 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 284895 | 381809 | 211 |
| 332 | 40 | 38 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 284902 | 381843 | 211 |
| 333 | 40 | 38 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 284898 | 381873 | 210 |
| 334 | 40 | 38 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 284907 | 381933 | 208 |
| 335 | 40 | 38 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 284902 | 381903 | 209 |
| 336 | 40 | 37 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 284946 | 381740 | 213 |
| 337 | 40 | 38 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 284894 | 381740 | 211 |
| 338 | 41 | 39 | 30 | 24 | 15 | 0 | 0 | 0 | 0 | 284766 | 381758 | 210 |
| 339 | 30 | 29 | 26 | 19 | 9 | 0 | 0 | 0 | 0 | 285189 | 382058 | 208 |
| 340 | 34 | 33 | 29 | 21 | 11 | 0 | 0 | 0 | 0 | 285104 | 381961 | 212 |
| 341 | 39 | 36 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 285242 | 381926 | 213 |
| 342 | 40 | 37 | 29 | 22 | 13 | 0 | 0 | 0 | 0 | 285103 | 381907 | 213 |
| 343 | 33 | 30 | 26 | 20 | 11 | 0 | 0 | 0 | 0 | 284646 | 382560 | 211 |
| 344 | 34 | 31 | 23 | 16 | 7 | 0 | 0 | 0 | 0 | 285623 | 381349 | 224 |
| 345 | 29 | 26 | 22 | 15 | 4 | 0 | 0 | 0 | 0 | 285709 | 381331 | 228 |
| 346 | 37 | 34 | 25 | 19 | 9 | 0 | 0 | 0 | 0 | 285597 | 381457 | 222 |
| 347 | 41 | 39 | 30 | 24 | 15 | 0 | 0 | 0 | 0 | 284417 | 380788 | 215 |
| 348 | 41 | 39 | 30 | 24 | 15 | 0 | 0 | 0 | 0 | 284424 | 380721 | 216 |
| 349 | 43 | 41 | 32 | 26 | 18 | 3 | 0 | 0 | 0 | 283949 | 381967 | 212 |
| 350 | 43 | 41 | 32 | 26 | 18 | 3 | 0 | 0 | 0 | 283911 | 381938 | 212 |
| 351 | 39 | 36 | 32 | 25 | 16 | 1 | 0 | 0 | 0 | 283849 | 381984 | 211 |
| 352 | 39 | 37 | 32 | 26 | 16 | 1 | 0 | 0 | 0 | 283831 | 381931 | 211 |
| 353 | 43 | 41 | 33 | 27 | 18 | 3 | 0 | 0 | 0 | 283806 | 381892 | 212 |
| 354 | 38 | 37 | 32 | 26 | 16 | 1 | 0 | 0 | 0 | 283839 | 381836 | 211 |
| 355 | 43 | 41 | 32 | 27 | 18 | 3 | 0 | 0 | 0 | 283870 | 381875 | 212 |
| 356 | 43 | 40 | 32 | 26 | 18 | 3 | 0 | 0 | 0 | 283917 | 382089 | 210 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 357 | 43 | 40 | 32 | 26 | 18 | 3 | 0 | 0 | 0 | 283972 | 382073 | 211 |
| 358 | 43 | 41 | 33 | 27 | 18 | 3 | 0 | 0 | 0 | 283781 | 381861 | 212 |
| 359 | 43 | 40 | 33 | 27 | 18 | 3 | 0 | 0 | 0 | 283756 | 381813 | 211 |
| 360 | 43 | 41 | 33 | 27 | 18 | 3 | 0 | 0 | 0 | 283752 | 381756 | 211 |
| 361 | 38 | 36 | 33 | 26 | 17 | 2 | 0 | 0 | 0 | 283541 | 381734 | 212 |
| 362 | 34 | 31 | 27 | 20 | 11 | 0 | 0 | 0 | 0 | 283924 | 381625 | 206 |
| 363 | 34 | 31 | 27 | 20 | 11 | 0 | 0 | 0 | 0 | 283959 | 381646 | 203 |
| 364 | 34 | 31 | 27 | 20 | 11 | 0 | 0 | 0 | 0 | 283896 | 381596 | 207 |
| 365 | 35 | 34 | 32 | 25 | 16 | 1 | 0 | 0 | 0 | 283867 | 381566 | 211 |
| 366 | 34 | 31 | 27 | 21 | 12 | 0 | 0 | 0 | 0 | 283850 | 381537 | 208 |
| 367 | 34 | 31 | 28 | 21 | 13 | 0 | 0 | 0 | 0 | 283810 | 381502 | 208 |
| 368 | 34 | 32 | 29 | 23 | 16 | 1 | 0 | 0 | 0 | 283777 | 381489 | 209 |
| 369 | 37 | 35 | 29 | 23 | 16 | 1 | 0 | 0 | 0 | 283735 | 381481 | 209 |
| 370 | 43 | 40 | 32 | 26 | 18 | 3 | 0 | 0 | 0 | 283664 | 381496 | 207 |
| 371 | 43 | 41 | 33 | 27 | 18 | 3 | 0 | 0 | 0 | 283739 | 381556 | 210 |
| 372 | 41 | 39 | 31 | 26 | 17 | 3 | 0 | 0 | 0 | 283685 | 381582 | 207 |
| 373 | 43 | 41 | 33 | 27 | 18 | 3 | 0 | 0 | 0 | 283743 | 381591 | 210 |
| 374 | 43 | 41 | 33 | 27 | 18 | 3 | 0 | 0 | 0 | 283743 | 381635 | 209 |
| 375 | 34 | 33 | 31 | 25 | 16 | 1 | 0 | 0 | 0 | 283745 | 381672 | 208 |
| 376 | 34 | 32 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 283684 | 381652 | 205 |
| 377 | 43 | 41 | 32 | 27 | 18 | 3 | 0 | 0 | 0 | 283796 | 381631 | 210 |
| 378 | 35 | 35 | 32 | 25 | 16 | 1 | 0 | 0 | 0 | 283867 | 381650 | 211 |
| 379 | 43 | 41 | 32 | 27 | 18 | 3 | 0 | 0 | 0 | 283781 | 381574 | 211 |
| 380 | 43 | 41 | 32 | 27 | 18 | 3 | 0 | 0 | 0 | 283813 | 381663 | 210 |
| 381 | 34 | 32 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 283604 | 381628 | 205 |
| 382 | 34 | 32 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 283611 | 381665 | 206 |
| 383 | 34 | 32 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 283564 | 381595 | 205 |
| 384 | 38 | 38 | 33 | 26 | 17 | 3 | 0 | 0 | 0 | 283492 | 381642 | 210 |
| 385 | 40 | 37 | 31 | 25 | 17 | 4 | 0 | 0 | 0 | 283428 | 381671 | 208 |
| 386 | 35 | 34 | 31 | 26 | 17 | 3 | 0 | 0 | 0 | 283401 | 381606 | 210 |
| 387 | 39 | 38 | 33 | 27 | 18 | 4 | 0 | 0 | 0 | 283362 | 381607 | 211 |
| 388 | 35 | 33 | 30 | 25 | 17 | 3 | 0 | 0 | 0 | 283326 | 381673 | 209 |
| 389 | 44 | 41 | 33 | 28 | 20 | 5 | 0 | 0 | 0 | 283325 | 381602 | 212 |
| 390 | 39 | 37 | 33 | 27 | 17 | 3 | 0 | 0 | 0 | 283328 | 381557 | 212 |
| 391 | 35 | 33 | 30 | 25 | 17 | 3 | 0 | 0 | 0 | 283357 | 381516 | 211 |
| 392 | 35 | 33 | 30 | 25 | 17 | 3 | 0 | 0 | 0 | 283379 | 381541 | 211 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 393 | 34 | 32 | 29 | 23 | 15 | 3 | 0 | 0 | 0 | 283405 | 381568 | 209 |
| 394 | 34 | 32 | 28 | 22 | 13 | 0 | 0 | 0 | 0 | 283504 | 381529 | 207 |
| 395 | 34 | 32 | 28 | 22 | 13 | 1 | 0 | 0 | 0 | 283527 | 381509 | 207 |
| 396 | 34 | 32 | 28 | 22 | 13 | 0 | 0 | 0 | 0 | 283522 | 381481 | 207 |
| 397 | 34 | 32 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 283495 | 381434 | 207 |
| 398 | 34 | 32 | 28 | 22 | 14 | 2 | 0 | 0 | 0 | 283466 | 381387 | 209 |
| 399 | 35 | 33 | 31 | 26 | 17 | 2 | 0 | 0 | 0 | 283440 | 381357 | 211 |
| 400 | 43 | 41 | 33 | 27 | 19 | 5 | 0 | 0 | 0 | 283416 | 381422 | 212 |
| 401 | 36 | 36 | 33 | 26 | 17 | 2 | 0 | 0 | 0 | 283441 | 381454 | 211 |
| 402 | 43 | 41 | 33 | 27 | 19 | 5 | 0 | 0 | 0 | 283445 | 381497 | 210 |
| 403 | 35 | 33 | 32 | 26 | 17 | 3 | 0 | 0 | 0 | 283325 | 381498 | 211 |
| 404 | 35 | 34 | 32 | 26 | 17 | 3 | 0 | 0 | 0 | 283324 | 381448 | 211 |
| 405 | 38 | 36 | 31 | 26 | 18 | 4 | 0 | 0 | 0 | 283315 | 381403 | 211 |
| 406 | 43 | 41 | 33 | 27 | 19 | 5 | 0 | 0 | 0 | 283320 | 381329 | 211 |
| 407 | 43 | 41 | 33 | 27 | 19 | 5 | 0 | 0 | 0 | 283357 | 381343 | 212 |
| 408 | 43 | 41 | 33 | 27 | 19 | 5 | 0 | 0 | 0 | 283400 | 381342 | 212 |
| 409 | 42 | 40 | 33 | 27 | 19 | 5 | 0 | 0 | 0 | 283267 | 381370 | 211 |
| 410 | 38 | 36 | 31 | 26 | 18 | 4 | 0 | 0 | 0 | 283266 | 381412 | 211 |
| 411 | 43 | 41 | 33 | 28 | 20 | 5 | 0 | 0 | 0 | 283267 | 381455 | 212 |
| 412 | 38 | 37 | 33 | 27 | 18 | 3 | 0 | 0 | 0 | 283268 | 381499 | 212 |
| 413 | 37 | 35 | 31 | 27 | 18 | 4 | 0 | 0 | 0 | 283268 | 381547 | 212 |
| 414 | 41 | 39 | 32 | 27 | 19 | 5 | 0 | 0 | 0 | 283268 | 381327 | 211 |
| 415 | 43 | 41 | 33 | 28 | 20 | 5 | 0 | 0 | 0 | 283269 | 381626 | 211 |
| 416 | 44 | 41 | 34 | 28 | 20 | 6 | 0 | 0 | 0 | 283177 | 381651 | 212 |
| 417 | 44 | 42 | 34 | 28 | 20 | 6 | 0 | 0 | 0 | 283174 | 381612 | 212 |
| 418 | 44 | 42 | 34 | 28 | 20 | 6 | 0 | 0 | 0 | 283198 | 381566 | 213 |
| 419 | 41 | 38 | 33 | 27 | 18 | 4 | 0 | 0 | 0 | 283264 | 381585 | 212 |
| 420 | 43 | 41 | 33 | 27 | 19 | 5 | 0 | 0 | 0 | 283375 | 381400 | 211 |
| 421 | 39 | 37 | 34 | 27 | 18 | 4 | 0 | 0 | 0 | 283118 | 381655 | 212 |
| 422 | 44 | 42 | 34 | 28 | 20 | 6 | 0 | 0 | 0 | 283123 | 381599 | 213 |
| 423 | 45 | 42 | 34 | 29 | 21 | 7 | 0 | 0 | 0 | 283081 | 381515 | 213 |
| 424 | 44 | 42 | 34 | 28 | 20 | 6 | 0 | 0 | 0 | 283123 | 381530 | 213 |
| 425 | 44 | 42 | 34 | 28 | 20 | 6 | 0 | 0 | 0 | 283156 | 381527 | 213 |
| 426 | 44 | 42 | 34 | 28 | 20 | 6 | 0 | 0 | 0 | 283180 | 381493 | 213 |
| 427 | 44 | 41 | 34 | 28 | 20 | 6 | 0 | 0 | 0 | 283183 | 381439 | 213 |
| 428 | 41 | 39 | 33 | 27 | 19 | 5 | 0 | 0 | 0 | 283184 | 381395 | 213 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 429 | 43 | 41 | 33 | 28 | 20 | 6 | 0 | 0 | 0 | 283188 | 381355 | 213 |
| 430 | 44 | 41 | 33 | 28 | 20 | 6 | 0 | 0 | 0 | 283187 | 381308 | 212 |
| 431 | 44 | 42 | 34 | 29 | 21 | 7 | 0 | 0 | 0 | 283043 | 381477 | 213 |
| 432 | 45 | 42 | 34 | 29 | 21 | 7 | 0 | 0 | 0 | 283022 | 381438 | 213 |
| 433 | 45 | 42 | 34 | 29 | 21 | 7 | 0 | 0 | 0 | 283016 | 381387 | 213 |
| 434 | 45 | 42 | 34 | 29 | 21 | 7 | 0 | 0 | 0 | 282979 | 381361 | 213 |
| 435 | 45 | 42 | 34 | 29 | 21 | 7 | 0 | 0 | 0 | 282950 | 381327 | 213 |
| 436 | 40 | 38 | 34 | 28 | 19 | 5 | 0 | 0 | 0 | 282931 | 381428 | 213 |
| 437 | 43 | 41 | 34 | 29 | 21 | 7 | 0 | 0 | 0 | 282963 | 381496 | 213 |
| 438 | 40 | 38 | 34 | 28 | 19 | 5 | 0 | 0 | 0 | 283008 | 381555 | 214 |
| 439 | 44 | 42 | 35 | 29 | 21 | 7 | 0 | 0 | 0 | 282974 | 381576 | 214 |
| 440 | 45 | 42 | 35 | 29 | 21 | 7 | 0 | 0 | 0 | 282939 | 381589 | 214 |
| 441 | 45 | 42 | 35 | 29 | 21 | 7 | 0 | 0 | 0 | 282920 | 381513 | 214 |
| 442 | 43 | 41 | 34 | 28 | 20 | 6 | 0 | 0 | 0 | 283084 | 381587 | 212 |
| 443 | 37 | 37 | 33 | 27 | 18 | 4 | 0 | 0 | 0 | 283175 | 381272 | 212 |
| 444 | 38 | 37 | 33 | 27 | 18 | 4 | 0 | 0 | 0 | 283147 | 381246 | 212 |
| 445 | 44 | 41 | 34 | 28 | 20 | 6 | 0 | 0 | 0 | 283124 | 381219 | 212 |
| 446 | 44 | 41 | 33 | 28 | 20 | 5 | 0 | 0 | 0 | 283195 | 381211 | 212 |
| 447 | 44 | 41 | 33 | 28 | 20 | 5 | 0 | 0 | 0 | 283184 | 381180 | 212 |
| 448 | 44 | 41 | 33 | 28 | 20 | 5 | 0 | 0 | 0 | 283189 | 381141 | 212 |
| 449 | 43 | 41 | 33 | 27 | 19 | 5 | 0 | 0 | 0 | 283151 | 381123 | 212 |
| 450 | 43 | 41 | 33 | 27 | 19 | 5 | 0 | 0 | 0 | 283252 | 381150 | 211 |
| 451 | 37 | 35 | 33 | 27 | 18 | 4 | 0 | 0 | 0 | 283109 | 381143 | 212 |
| 452 | 44 | 41 | 34 | 28 | 20 | 6 | 0 | 0 | 0 | 283122 | 381187 | 212 |
| 453 | 43 | 41 | 34 | 28 | 20 | 6 | 0 | 0 | 0 | 283039 | 381163 | 213 |
| 454 | 34 | 31 | 28 | 21 | 12 | 0 | 0 | 0 | 0 | 283383 | 381116 | 205 |
| 455 | 35 | 33 | 30 | 25 | 18 | 4 | 0 | 0 | 0 | 282933 | 380978 | 211 |
| 456 | 36 | 34 | 32 | 28 | 19 | 5 | 0 | 0 | 0 | 282861 | 381113 | 210 |
| 457 | 41 | 40 | 34 | 28 | 20 | 6 | 0 | 0 | 0 | 282881 | 381212 | 212 |
| 458 | 38 | 37 | 34 | 28 | 19 | 5 | 0 | 0 | 0 | 282910 | 381261 | 213 |
| 459 | 45 | 42 | 34 | 29 | 21 | 7 | 0 | 0 | 0 | 282936 | 381292 | 213 |
| 460 | 44 | 42 | 35 | 29 | 21 | 7 | 0 | 0 | 0 | 282865 | 381328 | 213 |
| 461 | 44 | 42 | 34 | 29 | 21 | 7 | 0 | 0 | 0 | 282892 | 381369 | 212 |
| 462 | 42 | 40 | 35 | 29 | 20 | 7 | 0 | 0 | 0 | 282869 | 381453 | 213 |
| 463 | 41 | 40 | 35 | 29 | 20 | 6 | 0 | 0 | 0 | 282967 | 381662 | 214 |
| 464 | 45 | 42 | 35 | 29 | 21 | 7 | 0 | 0 | 0 | 283001 | 381640 | 214 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 465 | 36 | 34 | 32 | 28 | 19 | 5 | 0 | 0 | 0 | 283037 | 381626 | 213 |
| 466 | 44 | 42 | 34 | 28 | 20 | 6 | 0 | 0 | 0 | 283255 | 381665 | 211 |
| 467 | 35 | 33 | 30 | 24 | 17 | 4 | 0 | 0 | 0 | 282858 | 380820 | 210 |
| 468 | 43 | 40 | 32 | 27 | 19 | 5 | 0 | 0 | 0 | 283054 | 380224 | 208 |
| 469 | 36 | 36 | 34 | 28 | 19 | 5 | 0 | 0 | 0 | 282648 | 380648 | 207 |
| 470 | 41 | 39 | 34 | 28 | 20 | 7 | 0 | 0 | 0 | 282642 | 380771 | 210 |
| 471 | 45 | 42 | 35 | 29 | 21 | 8 | 0 | 0 | 0 | 282636 | 380893 | 211 |
| 472 | 43 | 41 | 33 | 28 | 20 | 7 | 0 | 0 | 0 | 282286 | 379994 | 204 |
| 473 | 44 | 41 | 33 | 28 | 20 | 6 | 0 | 0 | 0 | 282592 | 379895 | 208 |
| 474 | 36 | 34 | 31 | 25 | 16 | 5 | 0 | 0 | 0 | 282558 | 381013 | 205 |
| 475 | 46 | 43 | 36 | 30 | 23 | 10 | 0 | 0 | 0 | 282079 | 380523 | 214 |
| 476 | 37 | 36 | 33 | 28 | 20 | 7 | 0 | 0 | 0 | 282213 | 380655 | 212 |
| 477 | 36 | 34 | 30 | 25 | 17 | 6 | 0 | 0 | 0 | 282248 | 380456 | 209 |
| 478 | 45 | 43 | 35 | 30 | 22 | 10 | 0 | 0 | 0 | 282229 | 380747 | 213 |
| 479 | 37 | 35 | 32 | 26 | 18 | 6 | 0 | 0 | 0 | 282251 | 380862 | 207 |
| 480 | 36 | 34 | 31 | 26 | 20 | 7 | 0 | 0 | 0 | 282151 | 380419 | 212 |
| 481 | 46 | 44 | 36 | 31 | 23 | 11 | 0 | 0 | 0 | 281873 | 380443 | 213 |
| 482 | 43 | 41 | 36 | 30 | 22 | 10 | 0 | 0 | 0 | 281974 | 380458 | 214 |
| 483 | 45 | 43 | 36 | 30 | 23 | 11 | 0 | 0 | 0 | 281824 | 380350 | 213 |
| 484 | 45 | 43 | 36 | 31 | 23 | 11 | 0 | 0 | 0 | 281756 | 380311 | 211 |
| 485 | 38 | 36 | 34 | 29 | 22 | 10 | 0 | 0 | 0 | 281624 | 380305 | 210 |
| 486 | 38 | 36 | 34 | 30 | 22 | 10 | 0 | 0 | 0 | 281638 | 380397 | 210 |
| 487 | 43 | 41 | 35 | 30 | 23 | 11 | 0 | 0 | 0 | 281619 | 380484 | 211 |
| 488 | 37 | 34 | 31 | 25 | 17 | 4 | 0 | 0 | 0 | 281667 | 380045 | 206 |
| 489 | 37 | 36 | 34 | 29 | 21 | 9 | 0 | 0 | 0 | 281611 | 380053 | 210 |
| 490 | 37 | 36 | 33 | 27 | 20 | 9 | 0 | 0 | 0 | 281672 | 380148 | 208 |
| 491 | 37 | 36 | 34 | 29 | 21 | 9 | 0 | 0 | 0 | 281623 | 380202 | 211 |
| 492 | 37 | 35 | 33 | 29 | 21 | 8 | 0 | 0 | 0 | 281845 | 380147 | 208 |
| 493 | 46 | 44 | 36 | 31 | 24 | 12 | 0 | 0 | 0 | 281499 | 380222 | 213 |
| 494 | 45 | 42 | 36 | 31 | 24 | 12 | 0 | 0 | 0 | 281378 | 380186 | 212 |
| 495 | 46 | 44 | 36 | 31 | 24 | 12 | 0 | 0 | 0 | 281431 | 380048 | 210 |
| 496 | 38 | 38 | 36 | 30 | 22 | 10 | 0 | 0 | 0 | 281291 | 379879 | 212 |
| 497 | 40 | 38 | 34 | 30 | 23 | 11 | 0 | 0 | 0 | 281213 | 380038 | 211 |
| 498 | 42 | 39 | 34 | 29 | 23 | 12 | 0 | 0 | 0 | 281228 | 380143 | 210 |
| 499 | 46 | 43 | 36 | 31 | 23 | 11 | 0 | 0 | 0 | 281437 | 379793 | 210 |
| 500 | 40 | 38 | 35 | 29 | 21 | 9 | 0 | 0 | 0 | 281464 | 379659 | 211 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 501 | 36 | 34 | 31 | 25 | 17 | 6 | 0 | 0 | 0 | 281427 | 379582 | 208 |
| 502 | 36 | 34 | 31 | 25 | 17 | 6 | 0 | 0 | 0 | 281397 | 379500 | 209 |
| 503 | 46 | 44 | 37 | 32 | 25 | 14 | 0 | 0 | 0 | 280623 | 379610 | 212 |
| 504 | 54 | 52 | 46 | 43 | 39 | 33 | 23 | 0 | 0 | 277457 | 379953 | 216 |
| 505 | 46 | 44 | 36 | 30 | 22 | 8 | 0 | 0 | 0 | 271456 | 379438 | 218 |
| 506 | 45 | 43 | 36 | 30 | 21 | 7 | 0 | 0 | 0 | 271417 | 379413 | 219 |
| 507 | 41 | 39 | 31 | 25 | 16 | 0 | 0 | 0 | 0 | 269804 | 379405 | 217 |
| 508 | 43 | 41 | 33 | 27 | 18 | 3 | 0 | 0 | 0 | 268116 | 382286 | 218 |
| 509 | 47 | 45 | 37 | 32 | 25 | 13 | 0 | 0 | 0 | 269218 | 384216 | 221 |
| 510 | 45 | 43 | 36 | 31 | 23 | 10 | 0 | 0 | 0 | 268676 | 384296 | 222 |
| 511 | 46 | 43 | 36 | 30 | 22 | 9 | 0 | 0 | 0 | 268176 | 384305 | 220 |
| 512 | 49 | 47 | 40 | 35 | 29 | 19 | 0 | 0 | 0 | 269415 | 387518 | 224 |
| 513 | 53 | 50 | 44 | 40 | 34 | 26 | 7 | 0 | 0 | 274653 | 393638 | 224 |
| 514 | 51 | 49 | 41 | 37 | 30 | 20 | 0 | 0 | 0 | 273447 | 393847 | 222 |
| 515 | 50 | 48 | 41 | 36 | 30 | 20 | 0 | 0 | 0 | 273607 | 394218 | 224 |
| 516 | 51 | 49 | 42 | 38 | 32 | 23 | 4 | 0 | 0 | 274663 | 394851 | 224 |
| 517 | 50 | 48 | 41 | 36 | 30 | 19 | 0 | 0 | 0 | 273925 | 394908 | 223 |
| 518 | 50 | 48 | 40 | 36 | 29 | 18 | 0 | 0 | 0 | 274541 | 396175 | 223 |
| 519 | 51 | 49 | 42 | 38 | 32 | 23 | 4 | 0 | 0 | 275534 | 396044 | 222 |
| 520 | 50 | 48 | 40 | 36 | 29 | 17 | 0 | 0 | 0 | 275551 | 397934 | 220 |
| 521 | 50 | 48 | 42 | 37 | 31 | 21 | 0 | 0 | 0 | 276657 | 397880 | 221 |
| 522 | 50 | 48 | 42 | 38 | 32 | 23 | 4 | 0 | 0 | 276976 | 399659 | 223 |
| 523 | 52 | 50 | 43 | 39 | 34 | 26 | 11 | 0 | 0 | 277580 | 399745 | 223 |
| 524 | 51 | 49 | 42 | 38 | 33 | 24 | 4 | 0 | 0 | 276988 | 400181 | 224 |
| 525 | 52 | 50 | 43 | 39 | 34 | 24 | 4 | 0 | 0 | 279292 | 401324 | 225 |
| 526 | 53 | 50 | 43 | 40 | 35 | 26 | 7 | 0 | 0 | 277902 | 401739 | 225 |
| 527 | 55 | 53 | 47 | 44 | 41 | 36 | 26 | 2 | 0 | 279206 | 402990 | 227 |
| 528 | 53 | 51 | 45 | 42 | 37 | 29 | 14 | 0 | 0 | 273338 | 384136 | 218 |
| 529 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273437 | 383541 | 218 |
| 530 | 53 | 51 | 44 | 41 | 36 | 27 | 8 | 0 | 0 | 273438 | 383568 | 218 |
| 531 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273396 | 383549 | 218 |
| 532 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273393 | 383562 | 218 |
| 533 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273395 | 383580 | 218 |
| 534 | 53 | 51 | 44 | 41 | 36 | 27 | 8 | 0 | 0 | 273392 | 383607 | 218 |
| 536 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273440 | 383495 | 218 |
| 537 | 50 | 48 | 43 | 39 | 33 | 24 | 4 | 0 | 0 | 273166 | 382915 | 218 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 538 | 58 | 56 | 50 | 47 | 43 | 38 | 29 | 9 | 0 | 279552 | 389795 | 225 |
| 539 | 33 | 30 | 26 | 18 | 8 | 0 | 0 | 0 | 0 | 285758 | 384018 | 211 |
| 540 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288936 | 388058 | 216 |
| 541 | 48 | 45 | 39 | 34 | 27 | 17 | 0 | 0 | 0 | 285656 | 394037 | 224 |
| 542 | 49 | 46 | 39 | 34 | 27 | 17 | 0 | 0 | 0 | 285652 | 393998 | 225 |
| 543 | 49 | 47 | 39 | 34 | 28 | 17 | 0 | 0 | 0 | 285654 | 393958 | 226 |
| 544 | 49 | 47 | 39 | 34 | 27 | 17 | 0 | 0 | 0 | 285608 | 393912 | 226 |
| 545 | 49 | 46 | 39 | 34 | 27 | 17 | 0 | 0 | 0 | 285615 | 393994 | 225 |
| 546 | 49 | 47 | 39 | 34 | 27 | 15 | 0 | 0 | 0 | 285347 | 393700 | 226 |
| 547 | 48 | 46 | 39 | 33 | 26 | 15 | 0 | 0 | 0 | 285747 | 393582 | 225 |
| 548 | 49 | 46 | 39 | 34 | 27 | 15 | 0 | 0 | 0 | 285170 | 393792 | 225 |
| 549 | 46 | 45 | 39 | 33 | 26 | 15 | 0 | 0 | 0 | 285240 | 393729 | 225 |
| 550 | 49 | 47 | 39 | 34 | 27 | 15 | 0 | 0 | 0 | 285473 | 393666 | 225 |
| 551 | 49 | 47 | 39 | 34 | 26 | 15 | 0 | 0 | 0 | 285248 | 393592 | 226 |
| 552 | 47 | 45 | 39 | 33 | 26 | 14 | 0 | 0 | 0 | 285331 | 393559 | 226 |
| 553 | 49 | 46 | 39 | 34 | 26 | 14 | 0 | 0 | 0 | 285333 | 393515 | 226 |
| 554 | 48 | 46 | 39 | 33 | 26 | 14 | 0 | 0 | 0 | 285374 | 393517 | 225 |
| 555 | 47 | 45 | 39 | 33 | 26 | 14 | 0 | 0 | 0 | 285369 | 393578 | 226 |
| 556 | 45 | 43 | 37 | 33 | 25 | 14 | 0 | 0 | 0 | 284855 | 393639 | 225 |
| 557 | 46 | 44 | 38 | 33 | 25 | 13 | 0 | 0 | 0 | 284842 | 393577 | 226 |
| 558 | 47 | 45 | 38 | 32 | 24 | 11 | 0 | 0 | 0 | 284738 | 393769 | 226 |
| 559 | 47 | 45 | 38 | 33 | 25 | 13 | 0 | 0 | 0 | 284763 | 393769 | 226 |
| 560 | 49 | 47 | 39 | 34 | 27 | 14 | 0 | 0 | 0 | 284735 | 393580 | 226 |
| 561 | 49 | 46 | 39 | 34 | 26 | 14 | 0 | 0 | 0 | 284735 | 393546 | 226 |
| 562 | 49 | 47 | 39 | 34 | 26 | 14 | 0 | 0 | 0 | 284721 | 393384 | 226 |
| 563 | 48 | 46 | 39 | 34 | 26 | 13 | 0 | 0 | 0 | 284733 | 393474 | 225 |
| 564 | 49 | 47 | 39 | 33 | 26 | 13 | 0 | 0 | 0 | 284949 | 393165 | 227 |
| 565 | 54 | 52 | 46 | 43 | 39 | 32 | 19 | 0 | 0 | 280536 | 395659 | 224 |
| 566 | 54 | 52 | 46 | 42 | 38 | 30 | 15 | 0 | 0 | 277743 | 396034 | 224 |
| 567 | 42 | 40 | 33 | 28 | 21 | 10 | 0 | 0 | 0 | 289091 | 393070 | 230 |
| 568 | 49 | 47 | 39 | 34 | 26 | 13 | 0 | 0 | 0 | 284669 | 393015 | 228 |
| 569 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288976 | 387966 | 213 |
| 570 | 57 | 55 | 49 | 46 | 43 | 37 | 29 | 9 | 0 | 272275 | 385056 | 221 |
| 571 | 46 | 44 | 36 | 31 | 23 | 10 | 0 | 0 | 0 | 282119 | 380824 | 214 |
| 572 | 46 | 44 | 36 | 31 | 23 | 10 | 0 | 0 | 0 | 282068 | 380787 | 214 |
| 573 | 46 | 43 | 36 | 31 | 23 | 10 | 0 | 0 | 0 | 282085 | 380738 | 214 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 574 | 38 | 36 | 33 | 28 | 21 | 10 | 0 | 0 | 0 | 281653 | 380475 | 210 |
| 575 | 39 | 37 | 35 | 29 | 21 | 8 | 0 | 0 | 0 | 282083 | 380662 | 214 |
| 576 | 37 | 35 | 33 | 29 | 21 | 8 | 0 | 0 | 0 | 282084 | 380624 | 214 |
| 577 | 40 | 39 | 35 | 30 | 21 | 8 | 0 | 0 | 0 | 282067 | 380576 | 214 |
| 578 | 40 | 38 | 32 | 27 | 20 | 8 | 0 | 0 | 0 | 282177 | 380564 | 211 |
| 579 | 46 | 44 | 40 | 36 | 31 | 23 | 7 | 0 | 0 | 277393 | 378869 | 215 |
| 580 | 46 | 44 | 38 | 34 | 29 | 20 | 1 | 0 | 0 | 277638 | 378483 | 210 |
| 581 | 46 | 44 | 38 | 34 | 28 | 19 | 0 | 0 | 0 | 277584 | 378305 | 212 |
| 582 | 50 | 48 | 41 | 36 | 30 | 21 | 2 | 0 | 0 | 273755 | 380478 | 216 |
| 583 | 53 | 51 | 45 | 41 | 36 | 29 | 13 | 0 | 0 | 282868 | 401525 | 243 |
| 584 | 52 | 50 | 44 | 41 | 36 | 29 | 16 | 0 | 0 | 277913 | 398485 | 225 |
| 585 | 54 | 52 | 46 | 43 | 39 | 33 | 21 | 0 | 0 | 279510 | 402924 | 228 |
| 586 | 52 | 49 | 43 | 39 | 34 | 26 | 8 | 0 | 0 | 287294 | 402915 | 232 |
| 587 | 48 | 46 | 42 | 38 | 32 | 24 | 5 | 0 | 0 | 287970 | 402906 | 231 |
| 588 | 51 | 48 | 42 | 37 | 32 | 24 | 3 | 0 | 0 | 288313 | 402914 | 232 |
| 589 | 49 | 47 | 42 | 37 | 32 | 24 | 4 | 0 | 0 | 288183 | 402910 | 232 |
| 590 | 50 | 48 | 42 | 37 | 32 | 23 | 3 | 0 | 0 | 288370 | 402920 | 232 |
| 591 | 51 | 48 | 42 | 37 | 32 | 24 | 3 | 0 | 0 | 288337 | 402945 | 232 |
| 592 | 49 | 46 | 42 | 37 | 31 | 23 | 2 | 0 | 0 | 288487 | 402927 | 231 |
| 593 | 55 | 52 | 47 | 44 | 41 | 35 | 24 | 0 | 0 | 278150 | 402957 | 227 |
| 594 | 52 | 49 | 43 | 39 | 35 | 27 | 10 | 0 | 0 | 277125 | 401279 | 223 |
| 595 | 52 | 50 | 44 | 40 | 36 | 28 | 13 | 0 | 0 | 276852 | 401309 | 226 |
| 596 | 52 | 50 | 43 | 39 | 35 | 27 | 9 | 0 | 0 | 277231 | 401357 | 224 |
| 597 | 55 | 52 | 47 | 44 | 41 | 35 | 22 | 0 | 0 | 282750 | 403860 | 245 |
| 598 | 51 | 49 | 43 | 39 | 34 | 25 | 7 | 0 | 0 | 280137 | 400548 | 226 |
| 599 | 53 | 51 | 44 | 40 | 35 | 27 | 10 | 0 | 0 | 281577 | 400658 | 229 |
| 600 | 56 | 54 | 48 | 46 | 42 | 36 | 26 | 3 | 0 | 282649 | 400038 | 236 |
| 601 | 52 | 51 | 45 | 41 | 37 | 29 | 15 | 0 | 0 | 285255 | 400477 | 250 |
| 602 | 56 | 54 | 48 | 45 | 42 | 36 | 27 | 4 | 0 | 286694 | 399664 | 245 |
| 603 | 54 | 52 | 46 | 42 | 38 | 31 | 18 | 0 | 0 | 285053 | 399687 | 250 |
| 604 | 54 | 52 | 45 | 42 | 38 | 31 | 17 | 0 | 0 | 285077 | 399576 | 250 |
| 605 | 56 | 54 | 47 | 45 | 41 | 35 | 25 | 0 | 0 | 281921 | 399694 | 227 |
| 606 | 52 | 50 | 44 | 41 | 36 | 28 | 13 | 0 | 0 | 280311 | 399612 | 226 |
| 607 | 53 | 51 | 44 | 41 | 36 | 29 | 14 | 0 | 0 | 280534 | 399280 | 225 |
| 608 | 57 | 55 | 49 | 46 | 43 | 37 | 29 | 8 | 0 | 281744 | 399414 | 226 |
| 609 | 55 | 53 | 47 | 45 | 41 | 36 | 27 | 5 | 0 | 279209 | 399706 | 226 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 610 | 56 | 54 | 49 | 46 | 42 | 37 | 29 | 9 | 0 | 278880 | 399646 | 224 |
| 611 | 57 | 55 | 49 | 46 | 43 | 38 | 30 | 11 | 0 | 279492 | 399135 | 226 |
| 612 | 56 | 54 | 48 | 45 | 42 | 36 | 27 | 6 | 0 | 279512 | 398767 | 224 |
| 613 | 54 | 52 | 46 | 43 | 39 | 33 | 21 | 0 | 0 | 280484 | 398096 | 223 |
| 614 | 55 | 52 | 46 | 43 | 39 | 32 | 20 | 0 | 0 | 281766 | 398005 | 224 |
| 615 | 52 | 50 | 44 | 40 | 35 | 27 | 11 | 0 | 0 | 277812 | 398047 | 224 |
| 616 | 54 | 52 | 45 | 42 | 37 | 31 | 18 | 0 | 0 | 278479 | 398037 | 225 |
| 617 | 57 | 55 | 50 | 47 | 44 | 38 | 29 | 8 | 0 | 282626 | 398385 | 225 |
| 618 | 54 | 52 | 46 | 43 | 39 | 32 | 20 | 0 | 0 | 284261 | 398761 | 238 |
| 619 | 54 | 52 | 46 | 43 | 38 | 32 | 19 | 0 | 0 | 285867 | 398741 | 245 |
| 620 | 56 | 54 | 48 | 45 | 41 | 35 | 23 | 0 | 0 | 287661 | 398214 | 247 |
| 621 | 55 | 53 | 47 | 45 | 41 | 34 | 22 | 0 | 0 | 287449 | 398049 | 249 |
| 622 | 55 | 53 | 47 | 45 | 41 | 35 | 23 | 0 | 0 | 286790 | 398058 | 250 |
| 623 | 53 | 51 | 45 | 42 | 38 | 31 | 18 | 0 | 0 | 284266 | 398005 | 233 |
| 624 | 53 | 51 | 45 | 41 | 37 | 29 | 12 | 0 | 0 | 277251 | 395954 | 225 |
| 625 | 55 | 53 | 46 | 43 | 39 | 32 | 18 | 0 | 0 | 277992 | 395915 | 224 |
| 626 | 55 | 53 | 47 | 44 | 40 | 33 | 21 | 0 | 0 | 278180 | 395841 | 223 |
| 627 | 58 | 56 | 51 | 48 | 44 | 39 | 30 | 11 | 0 | 278891 | 395598 | 224 |
| 628 | 57 | 55 | 49 | 47 | 43 | 37 | 27 | 3 | 0 | 278475 | 395530 | 223 |
| 629 | 55 | 53 | 47 | 44 | 39 | 33 | 20 | 0 | 0 | 280322 | 395486 | 225 |
| 630 | 57 | 55 | 49 | 47 | 43 | 38 | 29 | 9 | 0 | 279409 | 397604 | 224 |
| 631 | 58 | 56 | 51 | 48 | 45 | 39 | 31 | 11 | 0 | 279473 | 397008 | 223 |
| 632 | 54 | 52 | 45 | 42 | 37 | 30 | 16 | 0 | 0 | 281031 | 396452 | 224 |
| 633 | 52 | 50 | 44 | 40 | 34 | 25 | 6 | 0 | 0 | 281980 | 396483 | 225 |
| 634 | 52 | 50 | 43 | 39 | 33 | 25 | 6 | 0 | 0 | 282724 | 396508 | 225 |
| 635 | 54 | 51 | 45 | 42 | 37 | 31 | 18 | 0 | 0 | 282746 | 397343 | 226 |
| 636 | 52 | 49 | 42 | 39 | 33 | 24 | 5 | 0 | 0 | 284266 | 396441 | 228 |
| 637 | 52 | 50 | 43 | 39 | 34 | 26 | 10 | 0 | 0 | 284866 | 396395 | 229 |
| 638 | 51 | 49 | 42 | 38 | 32 | 23 | 2 | 0 | 0 | 284236 | 396030 | 228 |
| 639 | 54 | 53 | 47 | 44 | 40 | 34 | 24 | 0 | 0 | 285885 | 396340 | 237 |
| 640 | 55 | 54 | 48 | 46 | 42 | 37 | 28 | 7 | 0 | 286203 | 396332 | 237 |
| 641 | 57 | 55 | 50 | 47 | 44 | 39 | 30 | 9 | 0 | 286815 | 396329 | 242 |
| 642 | 51 | 49 | 43 | 40 | 36 | 29 | 16 | 0 | 0 | 286756 | 395501 | 237 |
| 643 | 50 | 47 | 41 | 37 | 32 | 23 | 5 | 0 | 0 | 286957 | 394754 | 230 |
| 644 | 49 | 47 | 40 | 36 | 31 | 22 | 4 | 0 | 0 | 286966 | 394642 | 229 |
| 645 | 49 | 47 | 40 | 36 | 30 | 22 | 3 | 0 | 0 | 287089 | 394542 | 230 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 646 | 49 | 47 | 40 | 36 | 30 | 22 | 3 | 0 | 0 | 287187 | 394569 | 230 |
| 647 | 48 | 46 | 40 | 36 | 30 | 22 | 2 | 0 | 0 | 287281 | 394534 | 231 |
| 648 | 48 | 46 | 39 | 35 | 30 | 21 | 2 | 0 | 0 | 287399 | 394528 | 230 |
| 649 | 48 | 46 | 39 | 35 | 30 | 22 | 2 | 0 | 0 | 287502 | 394590 | 230 |
| 650 | 48 | 45 | 38 | 34 | 29 | 19 | 0 | 0 | 0 | 288147 | 394407 | 232 |
| 651 | 43 | 41 | 36 | 31 | 25 | 14 | 0 | 0 | 0 | 288629 | 393827 | 239 |
| 652 | 38 | 38 | 35 | 31 | 23 | 13 | 0 | 0 | 0 | 288820 | 393835 | 238 |
| 653 | 38 | 37 | 36 | 31 | 23 | 13 | 0 | 0 | 0 | 288807 | 393831 | 239 |
| 654 | 43 | 41 | 36 | 31 | 24 | 14 | 0 | 0 | 0 | 288759 | 393919 | 240 |
| 655 | 44 | 42 | 37 | 32 | 25 | 15 | 0 | 0 | 0 | 288750 | 394000 | 241 |
| 656 | 46 | 44 | 37 | 33 | 27 | 17 | 0 | 0 | 0 | 288751 | 394248 | 242 |
| 657 | 45 | 43 | 37 | 33 | 27 | 17 | 0 | 0 | 0 | 288631 | 394266 | 241 |
| 658 | 49 | 47 | 41 | 37 | 32 | 24 | 6 | 0 | 0 | 289139 | 396138 | 242 |
| 659 | 56 | 54 | 48 | 46 | 42 | 37 | 27 | 5 | 0 | 287603 | 397281 | 250 |
| 660 | 54 | 52 | 47 | 44 | 40 | 35 | 24 | 0 | 0 | 289122 | 397657 | 240 |
| 661 | 49 | 47 | 41 | 36 | 31 | 22 | 3 | 0 | 0 | 285607 | 394847 | 228 |
| 662 | 50 | 48 | 41 | 36 | 30 | 21 | 0 | 0 | 0 | 285205 | 394842 | 227 |
| 663 | 50 | 48 | 41 | 36 | 29 | 18 | 0 | 0 | 0 | 284335 | 394845 | 227 |
| 664 | 50 | 48 | 41 | 36 | 29 | 18 | 0 | 0 | 0 | 284106 | 394833 | 227 |
| 665 | 49 | 47 | 40 | 36 | 29 | 18 | 0 | 0 | 0 | 283630 | 394873 | 227 |
| 666 | 51 | 49 | 42 | 37 | 31 | 20 | 0 | 0 | 0 | 282625 | 394856 | 226 |
| 667 | 52 | 50 | 44 | 40 | 34 | 25 | 4 | 0 | 0 | 281456 | 394473 | 228 |
| 668 | 51 | 49 | 42 | 37 | 31 | 20 | 0 | 0 | 0 | 282487 | 394047 | 226 |
| 669 | 51 | 49 | 42 | 37 | 31 | 20 | 0 | 0 | 0 | 282487 | 394146 | 227 |
| 670 | 53 | 51 | 45 | 41 | 36 | 29 | 11 | 0 | 0 | 280859 | 394359 | 224 |
| 671 | 58 | 56 | 50 | 47 | 43 | 38 | 27 | 0 | 0 | 277717 | 393957 | 225 |
| 672 | 57 | 55 | 49 | 47 | 43 | 38 | 29 | 10 | 0 | 276663 | 394884 | 222 |
| 673 | 53 | 51 | 44 | 40 | 35 | 28 | 12 | 0 | 0 | 275190 | 394337 | 225 |
| 674 | 57 | 55 | 49 | 46 | 42 | 35 | 24 | 0 | 0 | 276351 | 392006 | 224 |
| 675 | 56 | 54 | 47 | 44 | 40 | 34 | 22 | 0 | 0 | 274675 | 390673 | 224 |
| 676 | 56 | 54 | 48 | 45 | 41 | 35 | 24 | 0 | 0 | 274481 | 390603 | 224 |
| 677 | 59 | 57 | 51 | 48 | 44 | 39 | 30 | 11 | 0 | 277240 | 391437 | 226 |
| 678 | 59 | 57 | 51 | 49 | 45 | 40 | 31 | 10 | 0 | 277878 | 390600 | 225 |
| 679 | 58 | 57 | 51 | 48 | 44 | 39 | 30 | 8 | 0 | 277938 | 390597 | 225 |
| 680 | 58 | 56 | 51 | 48 | 44 | 39 | 30 | 10 | 0 | 277949 | 390158 | 224 |
| 681 | 59 | 57 | 51 | 48 | 45 | 39 | 29 | 6 | 0 | 277874 | 392824 | 224 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 682 | 57 | 55 | 50 | 47 | 43 | 37 | 26 | 1 | 0 | 279060 | 391486 | 226 |
| 683 | 56 | 54 | 48 | 45 | 41 | 35 | 22 | 0 | 0 | 279712 | 391571 | 227 |
| 684 | 56 | 54 | 48 | 45 | 41 | 34 | 22 | 0 | 0 | 279769 | 391566 | 226 |
| 685 | 55 | 53 | 47 | 45 | 41 | 35 | 25 | 0 | 0 | 280934 | 390970 | 226 |
| 686 | 55 | 52 | 46 | 43 | 39 | 32 | 19 | 0 | 0 | 280927 | 391351 | 225 |
| 687 | 54 | 52 | 45 | 42 | 37 | 29 | 13 | 0 | 0 | 280929 | 391940 | 227 |
| 688 | 54 | 51 | 45 | 42 | 37 | 29 | 12 | 0 | 0 | 280868 | 392369 | 227 |
| 689 | 57 | 55 | 49 | 47 | 43 | 37 | 26 | 0 | 0 | 279969 | 393071 | 225 |
| 690 | 50 | 48 | 42 | 37 | 31 | 21 | 0 | 0 | 0 | 282380 | 391824 | 226 |
| 691 | 50 | 48 | 40 | 35 | 29 | 18 | 0 | 0 | 0 | 283105 | 391466 | 225 |
| 692 | 49 | 47 | 42 | 37 | 30 | 20 | 0 | 0 | 0 | 282438 | 392486 | 226 |
| 693 | 48 | 46 | 38 | 32 | 25 | 12 | 0 | 0 | 0 | 284168 | 390575 | 226 |
| 694 | 55 | 53 | 47 | 44 | 40 | 34 | 24 | 0 | 0 | 280928 | 389812 | 224 |
| 695 | 50 | 48 | 40 | 35 | 28 | 16 | 0 | 0 | 0 | 284083 | 394224 | 228 |
| 696 | 56 | 54 | 47 | 44 | 40 | 33 | 19 | 0 | 0 | 276268 | 390303 | 225 |
| 697 | 56 | 54 | 47 | 44 | 40 | 33 | 20 | 0 | 0 | 276336 | 390090 | 225 |
| 698 | 55 | 53 | 47 | 43 | 39 | 31 | 17 | 0 | 0 | 274754 | 390035 | 224 |
| 699 | 55 | 53 | 47 | 43 | 38 | 30 | 15 | 0 | 0 | 275385 | 389041 | 223 |
| 700 | 56 | 54 | 48 | 44 | 40 | 33 | 21 | 0 | 0 | 274799 | 388968 | 224 |
| 701 | 56 | 54 | 48 | 45 | 40 | 33 | 21 | 0 | 0 | 276592 | 388950 | 224 |
| 702 | 56 | 54 | 48 | 45 | 40 | 34 | 22 | 0 | 0 | 276666 | 389046 | 224 |
| 703 | 58 | 56 | 50 | 48 | 44 | 39 | 30 | 11 | 0 | 277923 | 388623 | 223 |
| 704 | 58 | 56 | 50 | 47 | 43 | 38 | 28 | 7 | 0 | 277374 | 387293 | 222 |
| 705 | 58 | 56 | 50 | 47 | 43 | 37 | 26 | 0 | 0 | 273934 | 385973 | 220 |
| 706 | 56 | 54 | 48 | 45 | 42 | 36 | 27 | 6 | 0 | 271495 | 387672 | 222 |
| 707 | 57 | 55 | 49 | 46 | 42 | 36 | 26 | 0 | 0 | 273819 | 388744 | 222 |
| 708 | 57 | 55 | 49 | 47 | 43 | 37 | 27 | 3 | 0 | 273916 | 388627 | 223 |
| 709 | 57 | 55 | 49 | 46 | 43 | 37 | 28 | 6 | 0 | 273438 | 390602 | 224 |
| 710 | 58 | 56 | 50 | 47 | 44 | 38 | 30 | 10 | 0 | 273631 | 390593 | 225 |
| 711 | 56 | 54 | 49 | 46 | 41 | 35 | 22 | 0 | 0 | 273887 | 385233 | 219 |
| 712 | 50 | 48 | 41 | 37 | 31 | 21 | 1 | 0 | 0 | 270847 | 384145 | 219 |
| 713 | 51 | 48 | 41 | 37 | 31 | 22 | 2 | 0 | 0 | 270972 | 384159 | 219 |
| 714 | 51 | 49 | 42 | 38 | 32 | 24 | 6 | 0 | 0 | 271328 | 384129 | 219 |
| 715 | 49 | 47 | 43 | 39 | 33 | 25 | 9 | 0 | 0 | 271838 | 383994 | 219 |
| 716 | 48 | 46 | 38 | 32 | 25 | 12 | 0 | 0 | 0 | 270145 | 382501 | 220 |
| 717 | 49 | 47 | 40 | 35 | 28 | 16 | 0 | 0 | 0 | 271231 | 382547 | 218 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 718 | 49 | 47 | 40 | 35 | 28 | 16 | 0 | 0 | 0 | 271888 | 381701 | 218 |
| 719 | 49 | 47 | 40 | 35 | 28 | 17 | 0 | 0 | 0 | 272001 | 381733 | 219 |
| 720 | 50 | 47 | 40 | 35 | 29 | 18 | 0 | 0 | 0 | 272166 | 381817 | 218 |
| 721 | 53 | 51 | 44 | 41 | 37 | 30 | 18 | 0 | 0 | 274114 | 381766 | 218 |
| 722 | 53 | 52 | 46 | 43 | 39 | 33 | 23 | 0 | 0 | 274642 | 381537 | 218 |
| 723 | 54 | 52 | 46 | 43 | 39 | 33 | 21 | 0 | 0 | 275798 | 381494 | 219 |
| 724 | 57 | 55 | 49 | 47 | 43 | 38 | 30 | 12 | 0 | 275341 | 381746 | 218 |
| 725 | 49 | 47 | 39 | 34 | 26 | 13 | 0 | 0 | 0 | 284576 | 393094 | 226 |
| 726 | 49 | 46 | 39 | 33 | 26 | 13 | 0 | 0 | 0 | 284690 | 393096 | 227 |
| 727 | 47 | 45 | 39 | 34 | 27 | 17 | 0 | 0 | 0 | 286055 | 393827 | 225 |
| 728 | 46 | 44 | 38 | 33 | 27 | 17 | 0 | 0 | 0 | 286865 | 393828 | 227 |
| 729 | 54 | 52 | 46 | 43 | 38 | 32 | 19 | 0 | 0 | 275713 | 393776 | 225 |
| 730 | 51 | 49 | 42 | 38 | 33 | 25 | 9 | 0 | 0 | 279730 | 381662 | 215 |
| 731 | 38 | 36 | 33 | 28 | 21 | 10 | 0 | 0 | 0 | 281789 | 381446 | 212 |
| 732 | 40 | 38 | 37 | 31 | 23 | 11 | 0 | 0 | 0 | 281830 | 381650 | 213 |
| 733 | 39 | 37 | 34 | 29 | 22 | 12 | 0 | 0 | 0 | 281752 | 381785 | 211 |
| 734 | 45 | 43 | 36 | 31 | 23 | 10 | 0 | 0 | 0 | 282377 | 382049 | 212 |
| 735 | 44 | 42 | 37 | 31 | 23 | 10 | 0 | 0 | 0 | 282462 | 382446 | 211 |
| 736 | 40 | 38 | 32 | 26 | 17 | 2 | 0 | 0 | 0 | 284012 | 382891 | 214 |
| 737 | 43 | 41 | 33 | 27 | 19 | 3 | 0 | 0 | 0 | 284013 | 383340 | 214 |
| 738 | 37 | 36 | 31 | 24 | 14 | 0 | 0 | 0 | 0 | 284604 | 382783 | 214 |
| 739 | 27 | 25 | 20 | 13 | 2 | 0 | 0 | 0 | 0 | 285849 | 383535 | 212 |
| 740 | 27 | 25 | 21 | 13 | 3 | 0 | 0 | 0 | 0 | 285791 | 383590 | 214 |
| 741 | 35 | 33 | 26 | 19 | 9 | 0 | 0 | 0 | 0 | 285711 | 383550 | 219 |
| 742 | 27 | 25 | 20 | 13 | 2 | 0 | 0 | 0 | 0 | 285882 | 383671 | 213 |
| 743 | 37 | 34 | 26 | 19 | 9 | 0 | 0 | 0 | 0 | 285800 | 383809 | 220 |
| 744 | 38 | 36 | 27 | 20 | 11 | 0 | 0 | 0 | 0 | 285816 | 383912 | 218 |
| 745 | 27 | 25 | 20 | 13 | 2 | 0 | 0 | 0 | 0 | 286010 | 384405 | 208 |
| 746 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287252 | 385012 | 211 |
| 747 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287357 | 385166 | 212 |
| 748 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287520 | 385125 | 224 |
| 749 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287403 | 385064 | 217 |
| 750 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287636 | 385033 | 225 |
| 751 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287671 | 385155 | 224 |
| 752 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287823 | 385038 | 226 |
| 753 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287732 | 385034 | 224 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 754 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287807 | 385235 | 216 |
| 755 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287765 | 384951 | 224 |
| 756 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288046 | 385047 | 218 |
| 757 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288016 | 385116 | 222 |
| 758 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288078 | 385198 | 218 |
| 759 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288080 | 385305 | 216 |
| 760 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288156 | 385303 | 213 |
| 761 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287958 | 385403 | 210 |
| 762 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288157 | 384972 | 218 |
| 763 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288895 | 385033 | 221 |
| 764 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288822 | 385039 | 221 |
| 765 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288384 | 386569 | 214 |
| 766 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287991 | 386625 | 217 |
| 767 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288159 | 387022 | 220 |
| 768 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288095 | 387426 | 216 |
| 769 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288135 | 387594 | 215 |
| 770 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288324 | 387597 | 216 |
| 771 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288233 | 387720 | 215 |
| 772 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288412 | 387825 | 214 |
| 773 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288270 | 387924 | 218 |
| 774 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288486 | 388133 | 215 |
| 775 | 33 | 31 | 22 | 15 | 6 | 0 | 0 | 0 | 0 | 287995 | 388136 | 218 |
| 776 | 25 | 24 | 22 | 14 | 3 | 0 | 0 | 0 | 0 | 287973 | 388304 | 215 |
| 777 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288108 | 388310 | 215 |
| 778 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288200 | 388239 | 214 |
| 779 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288672 | 388515 | 218 |
| 780 | 24 | 23 | 20 | 14 | 3 | 0 | 0 | 0 | 0 | 288898 | 389019 | 218 |
| 781 | 33 | 31 | 22 | 16 | 6 | 0 | 0 | 0 | 0 | 288883 | 389070 | 218 |
| 782 | 37 | 34 | 25 | 19 | 9 | 0 | 0 | 0 | 0 | 288820 | 389378 | 219 |
| 783 | 37 | 34 | 26 | 19 | 10 | 0 | 0 | 0 | 0 | 288866 | 389654 | 220 |
| 784 | 39 | 37 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 288878 | 390713 | 221 |
| 785 | 42 | 40 | 32 | 26 | 18 | 3 | 0 | 0 | 0 | 288566 | 391529 | 225 |
| 786 | 42 | 40 | 32 | 26 | 17 | 2 | 0 | 0 | 0 | 288902 | 391391 | 224 |
| 787 | 43 | 41 | 33 | 27 | 19 | 6 | 0 | 0 | 0 | 288879 | 392082 | 226 |
| 788 | 44 | 42 | 34 | 29 | 22 | 9 | 0 | 0 | 0 | 288497 | 392672 | 227 |
| 789 | 44 | 42 | 34 | 29 | 22 | 9 | 0 | 0 | 0 | 288492 | 392629 | 227 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 790 | 44 | 42 | 34 | 29 | 21 | 9 | 0 | 0 | 0 | 288490 | 392584 | 227 |
| 791 | 44 | 42 | 34 | 29 | 21 | 9 | 0 | 0 | 0 | 288496 | 392543 | 227 |
| 792 | 44 | 42 | 34 | 29 | 21 | 9 | 0 | 0 | 0 | 288542 | 392617 | 227 |
| 793 | 44 | 42 | 34 | 29 | 22 | 9 | 0 | 0 | 0 | 288542 | 392652 | 227 |
| 794 | 44 | 42 | 34 | 29 | 21 | 9 | 0 | 0 | 0 | 288543 | 392574 | 227 |
| 795 | 44 | 42 | 34 | 29 | 21 | 8 | 0 | 0 | 0 | 288542 | 392533 | 227 |
| 796 | 43 | 40 | 32 | 27 | 19 | 5 | 0 | 0 | 0 | 288881 | 391878 | 226 |
| 797 | 43 | 40 | 32 | 26 | 18 | 4 | 0 | 0 | 0 | 288900 | 391747 | 227 |
| 798 | 38 | 36 | 32 | 26 | 16 | 2 | 0 | 0 | 0 | 288099 | 391550 | 225 |
| 799 | 43 | 40 | 33 | 27 | 18 | 4 | 0 | 0 | 0 | 287731 | 391420 | 225 |
| 800 | 43 | 40 | 33 | 27 | 19 | 4 | 0 | 0 | 0 | 287304 | 391466 | 227 |
| 801 | 46 | 43 | 35 | 29 | 21 | 6 | 0 | 0 | 0 | 286068 | 391495 | 223 |
| 802 | 45 | 42 | 35 | 29 | 20 | 6 | 0 | 0 | 0 | 286250 | 391462 | 226 |
| 803 | 38 | 36 | 34 | 28 | 19 | 5 | 0 | 0 | 0 | 285549 | 391395 | 221 |
| 804 | 47 | 44 | 37 | 31 | 23 | 9 | 0 | 0 | 0 | 285373 | 392189 | 227 |
| 805 | 40 | 39 | 36 | 30 | 21 | 9 | 0 | 0 | 0 | 286166 | 392644 | 224 |
| 806 | 39 | 36 | 30 | 23 | 14 | 0 | 0 | 0 | 0 | 287355 | 390222 | 223 |
| 807 | 44 | 41 | 33 | 27 | 18 | 3 | 0 | 0 | 0 | 286028 | 389796 | 223 |
| 808 | 37 | 36 | 34 | 27 | 18 | 4 | 0 | 0 | 0 | 285085 | 388807 | 223 |
| 809 | 41 | 39 | 36 | 31 | 22 | 10 | 0 | 0 | 0 | 284070 | 389306 | 219 |
| 810 | 46 | 44 | 36 | 31 | 23 | 11 | 0 | 0 | 0 | 284163 | 388851 | 219 |
| 811 | 46 | 44 | 36 | 31 | 23 | 9 | 0 | 0 | 0 | 284011 | 387833 | 217 |
| 812 | 46 | 43 | 35 | 30 | 22 | 8 | 0 | 0 | 0 | 284157 | 387322 | 220 |
| 813 | 43 | 42 | 36 | 30 | 21 | 7 | 0 | 0 | 0 | 284075 | 387300 | 219 |
| 814 | 46 | 44 | 36 | 30 | 22 | 8 | 0 | 0 | 0 | 284085 | 387403 | 219 |
| 815 | 42 | 40 | 32 | 26 | 18 | 3 | 0 | 0 | 0 | 285135 | 387361 | 225 |
| 816 | 38 | 36 | 28 | 22 | 13 | 0 | 0 | 0 | 0 | 286215 | 387322 | 218 |
| 817 | 30 | 29 | 27 | 19 | 9 | 0 | 0 | 0 | 0 | 286015 | 384984 | 215 |
| 818 | 40 | 37 | 29 | 23 | 13 | 0 | 0 | 0 | 0 | 285546 | 385048 | 216 |
| 819 | 41 | 39 | 31 | 25 | 16 | 0 | 0 | 0 | 0 | 284942 | 385007 | 216 |
| 820 | 43 | 40 | 32 | 26 | 17 | 1 | 0 | 0 | 0 | 284818 | 384912 | 214 |
| 821 | 44 | 42 | 34 | 28 | 19 | 4 | 0 | 0 | 0 | 284066 | 384109 | 215 |
| 822 | 52 | 49 | 43 | 39 | 33 | 25 | 7 | 0 | 0 | 273334 | 382339 | 219 |
| 823 | 48 | 45 | 38 | 33 | 25 | 13 | 0 | 0 | 0 | 269803 | 383137 | 220 |
| 824 | 52 | 50 | 43 | 40 | 34 | 27 | 11 | 0 | 0 | 270881 | 385877 | 219 |
| 825 | 54 | 52 | 45 | 42 | 37 | 30 | 17 | 0 | 0 | 271466 | 385858 | 219 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 826 | 58 | 56 | 50 | 47 | 44 | 38 | 30 | 10 | 0 | 273830 | 388123 | 221 |
| 827 | 55 | 53 | 46 | 43 | 38 | 31 | 17 | 0 | 0 | 279544 | 388660 | 224 |
| 828 | 56 | 53 | 47 | 44 | 40 | 34 | 25 | 0 | 0 | 279539 | 387649 | 223 |
| 829 | 52 | 50 | 43 | 39 | 33 | 24 | 4 | 0 | 0 | 280855 | 387848 | 224 |
| 830 | 52 | 49 | 42 | 38 | 32 | 22 | 1 | 0 | 0 | 281023 | 387321 | 224 |
| 831 | 52 | 50 | 42 | 38 | 32 | 22 | 2 | 0 | 0 | 280928 | 387332 | 222 |
| 832 | 52 | 49 | 42 | 38 | 32 | 22 | 1 | 0 | 0 | 280978 | 387280 | 223 |
| 833 | 52 | 49 | 42 | 38 | 32 | 22 | 2 | 0 | 0 | 280914 | 387264 | 222 |
| 834 | 52 | 49 | 42 | 38 | 31 | 22 | 1 | 0 | 0 | 281018 | 387261 | 223 |
| 835 | 52 | 49 | 42 | 38 | 32 | 22 | 2 | 0 | 0 | 280972 | 387330 | 223 |
| 836 | 52 | 49 | 42 | 38 | 32 | 22 | 1 | 0 | 0 | 280968 | 387212 | 223 |
| 837 | 52 | 49 | 42 | 38 | 31 | 22 | 1 | 0 | 0 | 281016 | 387223 | 224 |
| 838 | 52 | 49 | 42 | 38 | 32 | 22 | 2 | 0 | 0 | 280917 | 387176 | 222 |
| 839 | 49 | 47 | 41 | 36 | 30 | 20 | 0 | 0 | 0 | 281388 | 387283 | 224 |
| 840 | 51 | 49 | 42 | 38 | 31 | 21 | 0 | 0 | 0 | 281105 | 387326 | 224 |
| 841 | 50 | 48 | 42 | 37 | 31 | 21 | 0 | 0 | 0 | 280870 | 386493 | 222 |
| 842 | 50 | 47 | 41 | 37 | 30 | 20 | 0 | 0 | 0 | 280914 | 384962 | 219 |
| 843 | 49 | 47 | 41 | 36 | 30 | 20 | 0 | 0 | 0 | 280830 | 384287 | 219 |
| 844 | 53 | 51 | 44 | 41 | 36 | 28 | 13 | 0 | 0 | 279622 | 384095 | 222 |
| 845 | 50 | 48 | 41 | 37 | 31 | 21 | 0 | 0 | 0 | 280524 | 383336 | 218 |
| 846 | 59 | 57 | 52 | 49 | 45 | 40 | 31 | 11 | 0 | 277535 | 384076 | 219 |
| 847 | 58 | 56 | 50 | 48 | 44 | 38 | 28 | 3 | 0 | 277774 | 384260 | 220 |
| 848 | 58 | 57 | 51 | 48 | 45 | 39 | 30 | 11 | 0 | 277887 | 384445 | 221 |
| 849 | 57 | 55 | 49 | 46 | 42 | 36 | 26 | 2 | 0 | 277917 | 385285 | 222 |
| 850 | 54 | 52 | 46 | 43 | 38 | 31 | 19 | 0 | 0 | 279097 | 385430 | 221 |
| 851 | 53 | 51 | 45 | 41 | 36 | 29 | 15 | 0 | 0 | 279466 | 385370 | 221 |
| 852 | 55 | 53 | 46 | 43 | 38 | 31 | 15 | 0 | 0 | 274433 | 383575 | 219 |
| 853 | 49 | 47 | 39 | 34 | 26 | 14 | 0 | 0 | 0 | 282117 | 384969 | 219 |
| 854 | 42 | 40 | 36 | 31 | 23 | 9 | 0 | 0 | 0 | 282664 | 384965 | 216 |
| 855 | 42 | 40 | 35 | 28 | 19 | 4 | 0 | 0 | 0 | 284133 | 386133 | 218 |
| 856 | 24 | 21 | 17 | 9 | 0 | 0 | 0 | 0 | 0 | 286502 | 385353 | 208 |
| 857 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286615 | 385445 | 209 |
| 858 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286661 | 385469 | 210 |
| 859 | 24 | 21 | 17 | 9 | 0 | 0 | 0 | 0 | 0 | 286639 | 385527 | 211 |
| 860 | 24 | 21 | 17 | 9 | 0 | 0 | 0 | 0 | 0 | 286692 | 385575 | 209 |
| 861 | 24 | 22 | 20 | 14 | 3 | 0 | 0 | 0 | 0 | 286688 | 385636 | 212 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 862 | 24 | 22 | 18 | 11 | 2 | 0 | 0 | 0 | 0 | 286692 | 385678 | 213 |
| 863 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286771 | 385615 | 212 |
| 864 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286760 | 385546 | 209 |
| 865 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286840 | 385567 | 209 |
| 866 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286841 | 385500 | 208 |
| 867 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286783 | 385485 | 207 |
| 868 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286840 | 385631 | 211 |
| 869 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286836 | 385696 | 211 |
| 870 | 24 | 21 | 17 | 10 | 0 | 0 | 0 | 0 | 0 | 286767 | 385694 | 212 |
| 871 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286892 | 385742 | 210 |
| 872 | 24 | 21 | 17 | 10 | 0 | 0 | 0 | 0 | 0 | 286836 | 385756 | 211 |
| 873 | 24 | 21 | 17 | 10 | 0 | 0 | 0 | 0 | 0 | 286755 | 385757 | 212 |
| 874 | 24 | 21 | 17 | 10 | 0 | 0 | 0 | 0 | 0 | 286877 | 385817 | 213 |
| 875 | 24 | 22 | 17 | 10 | 0 | 0 | 0 | 0 | 0 | 286800 | 385812 | 213 |
| 876 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287018 | 385993 | 212 |
| 877 | 24 | 22 | 18 | 12 | 3 | 0 | 0 | 0 | 0 | 286880 | 385923 | 215 |
| 878 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287247 | 386123 | 205 |
| 879 | 33 | 31 | 22 | 15 | 6 | 0 | 0 | 0 | 0 | 287173 | 386251 | 215 |
| 880 | 25 | 25 | 22 | 14 | 4 | 0 | 0 | 0 | 0 | 287068 | 386410 | 213 |
| 881 | 24 | 22 | 19 | 14 | 4 | 0 | 0 | 0 | 0 | 287062 | 386281 | 215 |
| 882 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287338 | 386368 | 208 |
| 883 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287608 | 386153 | 215 |
| 884 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287567 | 386069 | 215 |
| 885 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287702 | 385964 | 208 |
| 886 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287767 | 385942 | 206 |
| 887 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287883 | 385927 | 208 |
| 888 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287787 | 386106 | 211 |
| 889 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287939 | 386063 | 210 |
| 890 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287966 | 385946 | 207 |
| 891 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288039 | 386030 | 208 |
| 892 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287996 | 386104 | 210 |
| 893 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288117 | 386237 | 211 |
| 894 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288191 | 386182 | 209 |
| 895 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288189 | 386229 | 210 |
| 896 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288273 | 386362 | 211 |
| 897 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287979 | 386370 | 215 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 898 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288077 | 386504 | 214 |
| 899 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287778 | 386495 | 216 |
| 900 | 40 | 38 | 33 | 27 | 18 | 4 | 0 | 0 | 0 | 285674 | 390522 | 225 |
| 901 | 45 | 43 | 35 | 29 | 21 | 6 | 0 | 0 | 0 | 285519 | 390676 | 224 |
| 902 | 53 | 51 | 46 | 43 | 39 | 34 | 23 | 0 | 0 | 287913 | 396371 | 241 |
| 903 | 44 | 42 | 35 | 30 | 24 | 12 | 0 | 0 | 0 | 288865 | 393416 | 236 |
| 904 | 44 | 42 | 35 | 30 | 23 | 11 | 0 | 0 | 0 | 288878 | 393171 | 232 |
| 905 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288597 | 384815 | 218 |
| 906 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288736 | 385092 | 217 |
| 907 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 288073 | 384133 | 221 |
| 908 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287678 | 383996 | 219 |
| 909 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287390 | 383897 | 215 |
| 910 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287174 | 383829 | 213 |
| 911 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287134 | 383978 | 211 |
| 912 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286989 | 383601 | 216 |
| 913 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286808 | 383497 | 218 |
| 914 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 286285 | 383098 | 210 |
| 915 | 42 | 39 | 31 | 25 | 16 | 0 | 0 | 0 | 0 | 284594 | 382465 | 214 |
| 916 | 36 | 34 | 30 | 23 | 13 | 0 | 0 | 0 | 0 | 284704 | 382631 | 213 |
| 917 | 40 | 38 | 30 | 24 | 15 | 0 | 0 | 0 | 0 | 284832 | 382533 | 212 |
| 918 | 32 | 29 | 25 | 18 | 9 | 0 | 0 | 0 | 0 | 284851 | 382602 | 210 |
| 919 | 31 | 29 | 25 | 17 | 7 | 0 | 0 | 0 | 0 | 285061 | 382851 | 208 |
| 920 | 40 | 38 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 284990 | 382960 | 211 |
| 921 | 41 | 39 | 30 | 24 | 15 | 0 | 0 | 0 | 0 | 284854 | 382942 | 212 |
| 922 | 43 | 41 | 32 | 26 | 18 | 3 | 0 | 0 | 0 | 283983 | 382175 | 212 |
| 923 | 43 | 41 | 32 | 27 | 18 | 3 | 0 | 0 | 0 | 283938 | 382146 | 211 |
| 924 | 45 | 43 | 35 | 29 | 21 | 8 | 0 | 0 | 0 | 282861 | 381492 | 213 |
| 925 | 45 | 43 | 35 | 29 | 21 | 8 | 0 | 0 | 0 | 282885 | 381530 | 214 |
| 926 | 45 | 43 | 35 | 30 | 22 | 8 | 0 | 0 | 0 | 282852 | 381657 | 214 |
| 927 | 45 | 43 | 35 | 30 | 22 | 8 | 0 | 0 | 0 | 282847 | 381606 | 214 |
| 928 | 45 | 43 | 35 | 29 | 21 | 8 | 0 | 0 | 0 | 282920 | 381613 | 215 |
| 929 | 45 | 43 | 35 | 29 | 21 | 8 | 0 | 0 | 0 | 282921 | 381650 | 214 |
| 930 | 48 | 46 | 39 | 34 | 28 | 18 | 0 | 0 | 0 | 280673 | 380969 | 216 |
| 931 | 49 | 47 | 39 | 35 | 29 | 18 | 0 | 0 | 0 | 280867 | 381813 | 217 |
| 932 | 49 | 46 | 40 | 35 | 29 | 19 | 0 | 0 | 0 | 280809 | 381852 | 217 |
| 933 | 47 | 45 | 40 | 35 | 29 | 19 | 0 | 0 | 0 | 280649 | 381672 | 217 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 934 | 49 | 47 | 40 | 36 | 29 | 20 | 0 | 0 | 0 | 280624 | 381721 | 218 |
| 935 | 49 | 47 | 40 | 36 | 30 | 20 | 0 | 0 | 0 | 280605 | 381745 | 217 |
| 936 | 49 | 47 | 40 | 36 | 30 | 20 | 0 | 0 | 0 | 280606 | 381774 | 217 |
| 937 | 49 | 47 | 40 | 35 | 29 | 19 | 0 | 0 | 0 | 280664 | 381763 | 217 |
| 938 | 49 | 47 | 40 | 35 | 29 | 19 | 0 | 0 | 0 | 280695 | 381721 | 217 |
| 939 | 49 | 47 | 40 | 36 | 30 | 20 | 0 | 0 | 0 | 280557 | 381780 | 217 |
| 940 | 49 | 47 | 40 | 35 | 29 | 19 | 0 | 0 | 0 | 280811 | 381823 | 217 |
| 941 | 47 | 45 | 39 | 35 | 28 | 18 | 0 | 0 | 0 | 280878 | 381771 | 217 |
| 942 | 49 | 46 | 39 | 35 | 28 | 18 | 0 | 0 | 0 | 280933 | 381717 | 217 |
| 943 | 49 | 47 | 40 | 36 | 30 | 20 | 0 | 0 | 0 | 280605 | 381961 | 216 |
| 944 | 49 | 47 | 40 | 35 | 29 | 19 | 0 | 0 | 0 | 280656 | 381722 | 218 |
| 945 | 49 | 47 | 40 | 35 | 29 | 19 | 0 | 0 | 0 | 280697 | 381834 | 216 |
| 946 | 49 | 47 | 40 | 36 | 30 | 20 | 0 | 0 | 0 | 280626 | 381813 | 216 |
| 947 | 49 | 47 | 40 | 35 | 29 | 18 | 0 | 0 | 0 | 280912 | 382063 | 216 |
| 948 | 49 | 47 | 40 | 35 | 29 | 19 | 0 | 0 | 0 | 280809 | 382087 | 216 |
| 949 | 49 | 47 | 40 | 36 | 29 | 19 | 0 | 0 | 0 | 280741 | 382116 | 216 |
| 950 | 49 | 47 | 40 | 36 | 29 | 20 | 0 | 0 | 0 | 280704 | 382077 | 216 |
| 951 | 51 | 49 | 44 | 40 | 36 | 29 | 16 | 0 | 0 | 278695 | 380875 | 217 |
| 952 | 49 | 47 | 42 | 39 | 34 | 26 | 11 | 0 | 0 | 274807 | 380674 | 213 |
| 953 | 47 | 45 | 37 | 32 | 24 | 11 | 0 | 0 | 0 | 271158 | 380886 | 219 |
| 954 | 52 | 50 | 43 | 39 | 34 | 25 | 8 | 0 | 0 | 276174 | 396030 | 222 |
| 955 | 53 | 51 | 45 | 41 | 36 | 28 | 11 | 0 | 0 | 273277 | 383931 | 218 |
| 956 | 54 | 52 | 45 | 42 | 37 | 29 | 12 | 0 | 0 | 273336 | 384010 | 219 |
| 957 | 53 | 51 | 45 | 41 | 36 | 28 | 12 | 0 | 0 | 273336 | 383946 | 217 |
| 958 | 52 | 50 | 45 | 42 | 36 | 28 | 11 | 0 | 0 | 273386 | 384038 | 218 |
| 959 | 54 | 52 | 45 | 42 | 37 | 29 | 13 | 0 | 0 | 273341 | 384054 | 219 |
| 960 | 54 | 52 | 45 | 42 | 37 | 29 | 13 | 0 | 0 | 273377 | 384096 | 220 |
| 961 | 54 | 52 | 46 | 42 | 38 | 30 | 14 | 0 | 0 | 273549 | 384191 | 218 |
| 962 | 54 | 52 | 46 | 42 | 37 | 30 | 13 | 0 | 0 | 273538 | 384136 | 219 |
| 963 | 54 | 52 | 46 | 42 | 37 | 30 | 13 | 0 | 0 | 273602 | 384121 | 218 |
| 964 | 54 | 52 | 46 | 42 | 37 | 30 | 13 | 0 | 0 | 273639 | 384113 | 217 |
| 965 | 54 | 52 | 46 | 43 | 38 | 30 | 13 | 0 | 0 | 273745 | 384069 | 216 |
| 966 | 54 | 52 | 46 | 42 | 37 | 29 | 13 | 0 | 0 | 273641 | 384075 | 217 |
| 967 | 53 | 51 | 45 | 42 | 37 | 29 | 12 | 0 | 0 | 273541 | 384073 | 218 |
| 968 | 54 | 52 | 46 | 42 | 37 | 30 | 13 | 0 | 0 | 273678 | 384073 | 217 |
| 969 | 54 | 52 | 46 | 42 | 37 | 30 | 13 | 0 | 0 | 273702 | 384071 | 217 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 970 | 54 | 52 | 46 | 43 | 38 | 30 | 13 | 0 | 0 | 273744 | 384117 | 216 |
| 971 | 54 | 52 | 46 | 43 | 38 | 30 | 13 | 0 | 0 | 273798 | 384125 | 217 |
| 972 | 54 | 52 | 46 | 42 | 38 | 30 | 12 | 0 | 0 | 273790 | 384029 | 216 |
| 973 | 54 | 52 | 46 | 42 | 37 | 30 | 12 | 0 | 0 | 273749 | 384030 | 216 |
| 974 | 54 | 52 | 46 | 42 | 37 | 29 | 12 | 0 | 0 | 273722 | 384028 | 216 |
| 975 | 54 | 52 | 46 | 42 | 37 | 29 | 12 | 0 | 0 | 273683 | 384026 | 217 |
| 976 | 54 | 52 | 46 | 42 | 37 | 29 | 12 | 0 | 0 | 273637 | 384034 | 217 |
| 977 | 54 | 52 | 46 | 42 | 37 | 29 | 12 | 0 | 0 | 273677 | 383975 | 217 |
| 978 | 54 | 52 | 46 | 42 | 37 | 29 | 12 | 0 | 0 | 273718 | 383983 | 216 |
| 979 | 53 | 51 | 45 | 42 | 37 | 29 | 12 | 0 | 0 | 273445 | 383999 | 216 |
| 980 | 52 | 50 | 45 | 41 | 37 | 29 | 12 | 0 | 0 | 273482 | 384034 | 216 |
| 981 | 53 | 51 | 45 | 42 | 37 | 29 | 12 | 0 | 0 | 273551 | 384024 | 216 |
| 982 | 53 | 51 | 45 | 42 | 37 | 29 | 13 | 0 | 0 | 273454 | 384075 | 219 |
| 983 | 54 | 52 | 45 | 42 | 37 | 29 | 13 | 0 | 0 | 273434 | 384088 | 219 |
| 984 | 53 | 51 | 45 | 42 | 36 | 28 | 10 | 0 | 0 | 273498 | 383847 | 218 |
| 985 | 53 | 51 | 45 | 42 | 36 | 28 | 10 | 0 | 0 | 273528 | 383853 | 217 |
| 986 | 53 | 51 | 45 | 42 | 36 | 28 | 10 | 0 | 0 | 273535 | 383811 | 218 |
| 987 | 53 | 51 | 45 | 41 | 36 | 28 | 10 | 0 | 0 | 273494 | 383812 | 218 |
| 988 | 53 | 51 | 45 | 41 | 36 | 28 | 10 | 0 | 0 | 273583 | 383758 | 218 |
| 989 | 53 | 51 | 45 | 41 | 36 | 28 | 10 | 0 | 0 | 273537 | 383749 | 218 |
| 990 | 53 | 51 | 45 | 41 | 36 | 28 | 10 | 0 | 0 | 273492 | 383770 | 218 |
| 992 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273537 | 383704 | 218 |
| 993 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273536 | 383687 | 218 |
| 994 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273493 | 383676 | 218 |
| 995 | 53 | 51 | 45 | 41 | 36 | 28 | 10 | 0 | 0 | 273486 | 383751 | 218 |
| 996 | 53 | 51 | 45 | 41 | 36 | 27 | 9 | 0 | 0 | 273376 | 383709 | 218 |
| 997 | 53 | 51 | 44 | 41 | 36 | 27 | 9 | 0 | 0 | 273330 | 383663 | 219 |
| 1000 | 53 | 51 | 45 | 41 | 36 | 27 | 9 | 0 | 0 | 273436 | 383667 | 218 |
| 1001 | 53 | 51 | 45 | 41 | 36 | 27 | 9 | 0 | 0 | 273433 | 383649 | 218 |
| 1002 | 53 | 51 | 44 | 41 | 36 | 27 | 9 | 0 | 0 | 273269 | 383706 | 219 |
| 1003 | 53 | 51 | 45 | 41 | 36 | 27 | 9 | 0 | 0 | 273332 | 383706 | 219 |
| 1004 | 52 | 50 | 44 | 41 | 35 | 27 | 9 | 0 | 0 | 273252 | 383705 | 218 |
| 1005 | 53 | 51 | 44 | 41 | 35 | 27 | 9 | 0 | 0 | 273229 | 383704 | 218 |
| 1006 | 53 | 51 | 44 | 41 | 35 | 27 | 9 | 0 | 0 | 273175 | 383716 | 218 |
| 1007 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273180 | 383660 | 219 |
| 1008 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273182 | 383629 | 219 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 1009 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273237 | 383601 | 219 |
| 1010 | 53 | 50 | 44 | 40 | 35 | 27 | 8 | 0 | 0 | 273176 | 383601 | 219 |
| 1011 | 53 | 51 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273233 | 383541 | 218 |
| 1012 | 53 | 51 | 44 | 40 | 35 | 27 | 8 | 0 | 0 | 273233 | 383574 | 219 |
| 1013 | 53 | 50 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273232 | 383464 | 218 |
| 1014 | 53 | 50 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273248 | 383437 | 218 |
| 1015 | 52 | 50 | 44 | 40 | 34 | 26 | 6 | 0 | 0 | 273107 | 383402 | 218 |
| 1016 | 53 | 50 | 44 | 40 | 35 | 26 | 6 | 0 | 0 | 273234 | 383394 | 218 |
| 1017 | 53 | 50 | 44 | 40 | 35 | 26 | 6 | 0 | 0 | 273241 | 383382 | 218 |
| 1018 | 53 | 51 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273290 | 383435 | 219 |
| 1019 | 53 | 51 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273291 | 383466 | 218 |
| 1021 | 53 | 51 | 44 | 41 | 36 | 27 | 8 | 0 | 0 | 273540 | 383468 | 218 |
| 1022 | 53 | 51 | 44 | 41 | 35 | 27 | 7 | 0 | 0 | 273436 | 383440 | 218 |
| 1023 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273478 | 383506 | 218 |
| 1024 | 53 | 51 | 45 | 41 | 36 | 27 | 8 | 0 | 0 | 273538 | 383501 | 219 |
| 1025 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273227 | 383660 | 219 |
| 1026 | 53 | 51 | 44 | 41 | 35 | 27 | 9 | 0 | 0 | 273288 | 383667 | 219 |
| 1027 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273285 | 383597 | 219 |
| 1028 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273331 | 383602 | 219 |
| 1029 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273537 | 383641 | 218 |
| 1030 | 53 | 51 | 45 | 41 | 36 | 27 | 8 | 0 | 0 | 273496 | 383589 | 218 |
| 1031 | 53 | 51 | 45 | 41 | 36 | 27 | 8 | 0 | 0 | 273493 | 383568 | 219 |
| 1032 | 53 | 51 | 45 | 41 | 36 | 27 | 9 | 0 | 0 | 273533 | 383602 | 219 |
| 1033 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273586 | 383600 | 219 |
| 1034 | 53 | 51 | 45 | 41 | 36 | 27 | 9 | 0 | 0 | 273539 | 383582 | 219 |
| 1035 | 53 | 51 | 45 | 41 | 36 | 27 | 8 | 0 | 0 | 273536 | 383560 | 219 |
| 1036 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273677 | 383595 | 219 |
| 1037 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273703 | 383597 | 219 |
| 1038 | 53 | 51 | 45 | 42 | 36 | 28 | 10 | 0 | 0 | 273791 | 383593 | 219 |
| 1039 | 53 | 51 | 45 | 41 | 36 | 28 | 10 | 0 | 0 | 273738 | 383593 | 219 |
| 1040 | 53 | 51 | 45 | 42 | 37 | 29 | 10 | 0 | 0 | 273867 | 383599 | 219 |
| 1041 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273645 | 383507 | 218 |
| 1042 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273645 | 383543 | 218 |
| 1043 | 54 | 52 | 46 | 42 | 37 | 29 | 11 | 0 | 0 | 274001 | 383598 | 218 |
| 1044 | 54 | 52 | 45 | 42 | 37 | 29 | 11 | 0 | 0 | 273960 | 383592 | 219 |
| 1045 | 54 | 51 | 45 | 42 | 37 | 29 | 10 | 0 | 0 | 273702 | 383796 | 219 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 1046 | 53 | 51 | 45 | 42 | 37 | 28 | 10 | 0 | 0 | 273684 | 383755 | 219 |
| 1047 | 52 | 50 | 44 | 40 | 34 | 26 | 6 | 0 | 0 | 273229 | 383328 | 217 |
| 1048 | 52 | 50 | 44 | 40 | 34 | 25 | 6 | 0 | 0 | 273184 | 383299 | 218 |
| 1049 | 52 | 50 | 44 | 40 | 34 | 25 | 5 | 0 | 0 | 273176 | 383237 | 218 |
| 1050 | 52 | 50 | 44 | 40 | 35 | 26 | 6 | 0 | 0 | 273284 | 383312 | 218 |
| 1051 | 53 | 50 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273382 | 383310 | 219 |
| 1052 | 52 | 50 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273382 | 383283 | 219 |
| 1053 | 52 | 50 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273383 | 383269 | 219 |
| 1054 | 52 | 50 | 44 | 40 | 35 | 26 | 6 | 0 | 0 | 273335 | 383283 | 219 |
| 1055 | 52 | 50 | 44 | 40 | 35 | 26 | 6 | 0 | 0 | 273329 | 383235 | 219 |
| 1056 | 52 | 50 | 44 | 40 | 34 | 26 | 6 | 0 | 0 | 273288 | 383190 | 219 |
| 1057 | 52 | 50 | 44 | 40 | 34 | 25 | 5 | 0 | 0 | 273220 | 383178 | 219 |
| 1058 | 52 | 50 | 44 | 40 | 34 | 26 | 6 | 0 | 0 | 273334 | 383180 | 219 |
| 1059 | 53 | 51 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273447 | 383244 | 219 |
| 1060 | 52 | 50 | 44 | 40 | 34 | 25 | 6 | 0 | 0 | 273290 | 383119 | 218 |
| 1061 | 52 | 50 | 44 | 40 | 35 | 26 | 6 | 0 | 0 | 273289 | 383287 | 218 |
| 1062 | 52 | 50 | 44 | 40 | 34 | 26 | 6 | 0 | 0 | 273275 | 383241 | 218 |
| 1063 | 52 | 50 | 44 | 40 | 34 | 25 | 5 | 0 | 0 | 273221 | 383242 | 218 |
| 1064 | 52 | 50 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273388 | 383194 | 218 |
| 1065 | 52 | 50 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273385 | 383161 | 218 |
| 1066 | 52 | 50 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273382 | 383118 | 218 |
| 1067 | 52 | 50 | 44 | 40 | 34 | 26 | 6 | 0 | 0 | 273328 | 383109 | 218 |
| 1068 | 52 | 50 | 44 | 40 | 34 | 26 | 6 | 0 | 0 | 273377 | 383073 | 218 |
| 1069 | 52 | 50 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273435 | 383069 | 218 |
| 1070 | 52 | 50 | 44 | 40 | 34 | 26 | 7 | 0 | 0 | 273443 | 383006 | 217 |
| 1071 | 52 | 50 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273439 | 383046 | 217 |
| 1072 | 52 | 50 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273429 | 383106 | 218 |
| 1073 | 52 | 50 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273436 | 383127 | 218 |
| 1074 | 53 | 50 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273437 | 383157 | 218 |
| 1075 | 53 | 50 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273434 | 383188 | 219 |
| 1076 | 52 | 50 | 44 | 40 | 34 | 25 | 6 | 0 | 0 | 273331 | 383015 | 218 |
| 1077 | 52 | 50 | 44 | 40 | 34 | 25 | 6 | 0 | 0 | 273285 | 383103 | 218 |
| 1078 | 52 | 50 | 43 | 40 | 34 | 25 | 5 | 0 | 0 | 273234 | 383107 | 218 |
| 1079 | 52 | 50 | 43 | 40 | 34 | 25 | 6 | 0 | 0 | 273290 | 383070 | 219 |
| 1080 | 52 | 50 | 44 | 40 | 34 | 25 | 6 | 0 | 0 | 273327 | 383070 | 218 |
| 1081 | 52 | 50 | 43 | 40 | 34 | 25 | 5 | 0 | 0 | 273221 | 383069 | 218 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 1082 | 52 | 50 | 43 | 39 | 34 | 25 | 5 | 0 | 0 | 273224 | 382980 | 218 |
| 1083 | 52 | 50 | 43 | 39 | 34 | 25 | 5 | 0 | 0 | 273226 | 382995 | 218 |
| 1084 | 52 | 50 | 43 | 39 | 34 | 25 | 6 | 0 | 0 | 273278 | 382934 | 217 |
| 1085 | 52 | 50 | 43 | 39 | 34 | 25 | 5 | 0 | 0 | 273233 | 382934 | 218 |
| 1086 | 51 | 49 | 43 | 39 | 34 | 25 | 6 | 0 | 0 | 273335 | 382929 | 216 |
| 1087 | 51 | 49 | 43 | 39 | 34 | 25 | 6 | 0 | 0 | 273355 | 382932 | 216 |
| 1088 | 50 | 48 | 43 | 39 | 33 | 25 | 7 | 0 | 0 | 273382 | 382930 | 217 |
| 1089 | 52 | 50 | 43 | 40 | 34 | 25 | 6 | 0 | 0 | 273327 | 382980 | 218 |
| 1090 | 52 | 50 | 43 | 39 | 34 | 25 | 5 | 0 | 0 | 273179 | 382984 | 219 |
| 1091 | 51 | 49 | 43 | 39 | 33 | 24 | 4 | 0 | 0 | 273142 | 382981 | 219 |
| 1092 | 51 | 49 | 43 | 39 | 34 | 25 | 5 | 0 | 0 | 273181 | 383069 | 218 |
| 1093 | 52 | 50 | 43 | 40 | 34 | 25 | 5 | 0 | 0 | 273178 | 383116 | 218 |
| 1094 | 52 | 50 | 44 | 40 | 34 | 26 | 7 | 0 | 0 | 273382 | 383034 | 218 |
| 1095 | 52 | 50 | 44 | 40 | 34 | 26 | 7 | 0 | 0 | 273385 | 383014 | 218 |
| 1096 | 51 | 49 | 43 | 39 | 34 | 25 | 6 | 0 | 0 | 273276 | 382901 | 216 |
| 1097 | 52 | 50 | 43 | 39 | 34 | 25 | 6 | 0 | 0 | 273309 | 382873 | 216 |
| 1098 | 51 | 49 | 43 | 39 | 34 | 25 | 6 | 0 | 0 | 273338 | 382898 | 216 |
| 1099 | 52 | 50 | 43 | 39 | 33 | 24 | 4 | 0 | 0 | 273067 | 382983 | 217 |
| 1100 | 52 | 50 | 43 | 40 | 34 | 25 | 6 | 0 | 0 | 273290 | 382985 | 218 |
| 1101 | 52 | 50 | 43 | 40 | 34 | 25 | 6 | 0 | 0 | 273286 | 383012 | 218 |
| 1102 | 52 | 50 | 44 | 40 | 34 | 26 | 6 | 0 | 0 | 273331 | 383155 | 218 |
| 1103 | 49 | 47 | 40 | 36 | 29 | 19 | 0 | 0 | 0 | 273097 | 380789 | 216 |
| 1104 | 57 | 56 | 51 | 49 | 46 | 40 | 29 | 2 | 0 | 277116 | 385789 | 222 |
| 1105 | 54 | 52 | 46 | 42 | 38 | 31 | 19 | 0 | 0 | 279748 | 387331 | 223 |
| 1106 | 52 | 50 | 44 | 41 | 36 | 28 | 11 | 0 | 0 | 284983 | 398006 | 237 |
| 1107 | 47 | 45 | 39 | 34 | 27 | 17 | 0 | 0 | 0 | 285822 | 393898 | 225 |
| 1108 | 48 | 45 | 39 | 34 | 27 | 17 | 0 | 0 | 0 | 285776 | 393970 | 227 |
| 1109 | 50 | 47 | 40 | 35 | 28 | 16 | 0 | 0 | 0 | 284153 | 394393 | 227 |
| 1110 | 49 | 47 | 40 | 35 | 28 | 17 | 0 | 0 | 0 | 284149 | 394567 | 227 |
| 1111 | 50 | 48 | 40 | 36 | 29 | 17 | 0 | 0 | 0 | 284230 | 394625 | 226 |
| 1112 | 47 | 44 | 38 | 32 | 25 | 12 | 0 | 0 | 0 | 284594 | 394515 | 224 |
| 1113 | 48 | 46 | 39 | 34 | 28 | 16 | 0 | 0 | 0 | 284306 | 394595 | 226 |
| 1114 | 48 | 46 | 40 | 35 | 28 | 16 | 0 | 0 | 0 | 284264 | 394384 | 227 |
| 1115 | 48 | 46 | 38 | 33 | 25 | 12 | 0 | 0 | 0 | 285679 | 393031 | 226 |
| 1116 | 47 | 45 | 38 | 33 | 25 | 12 | 0 | 0 | 0 | 285589 | 393033 | 226 |
| 1117 | 48 | 46 | 38 | 33 | 25 | 12 | 0 | 0 | 0 | 285318 | 393027 | 227 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 1118 | 47 | 44 | 37 | 32 | 25 | 13 | 0 | 0 | 0 | 285731 | 393174 | 226 |
| 1119 | 48 | 46 | 38 | 32 | 25 | 13 | 0 | 0 | 0 | 286033 | 393022 | 226 |
| 1120 | 48 | 46 | 38 | 33 | 25 | 12 | 0 | 0 | 0 | 285935 | 393021 | 226 |
| 1121 | 44 | 42 | 37 | 32 | 24 | 12 | 0 | 0 | 0 | 286153 | 393019 | 225 |
| 1122 | 46 | 43 | 37 | 32 | 24 | 12 | 0 | 0 | 0 | 286184 | 393022 | 225 |
| 1123 | 48 | 45 | 38 | 32 | 25 | 13 | 0 | 0 | 0 | 286250 | 393019 | 225 |
| 1124 | 46 | 43 | 35 | 29 | 21 | 6 | 0 | 0 | 0 | 285615 | 391011 | 224 |
| 1125 | 53 | 51 | 44 | 40 | 35 | 27 | 10 | 0 | 0 | 281437 | 400516 | 228 |
| 1126 | 52 | 50 | 43 | 38 | 32 | 23 | 4 | 0 | 0 | 280795 | 387309 | 222 |
| 1127 | 52 | 50 | 43 | 39 | 33 | 24 | 4 | 0 | 0 | 276752 | 396599 | 223 |
| 1128 | 58 | 56 | 51 | 48 | 45 | 39 | 30 | 9 | 0 | 277871 | 382553 | 219 |
| 1129 | 35 | 33 | 26 | 20 | 11 | 0 | 0 | 0 | 0 | 285392 | 383570 | 214 |
| 1130 | 37 | 35 | 28 | 21 | 13 | 0 | 0 | 0 | 0 | 285271 | 383255 | 212 |
| 1131 | 32 | 29 | 26 | 20 | 11 | 0 | 0 | 0 | 0 | 285276 | 383328 | 212 |
| 1132 | 46 | 43 | 37 | 33 | 27 | 16 | 0 | 0 | 0 | 285233 | 394105 | 224 |
| 1133 | 49 | 47 | 39 | 34 | 27 | 16 | 0 | 0 | 0 | 285140 | 393990 | 227 |
| 1134 | 48 | 46 | 39 | 34 | 27 | 15 | 0 | 0 | 0 | 285110 | 393831 | 226 |
| 1135 | 48 | 46 | 39 | 34 | 27 | 15 | 0 | 0 | 0 | 285110 | 393858 | 226 |
| 1136 | 48 | 46 | 38 | 33 | 27 | 15 | 0 | 0 | 0 | 285111 | 393809 | 225 |
| 1137 | 49 | 46 | 39 | 34 | 27 | 15 | 0 | 0 | 0 | 285119 | 393761 | 225 |
| 1138 | 48 | 46 | 38 | 33 | 26 | 15 | 0 | 0 | 0 | 285093 | 393793 | 225 |
| 1139 | 49 | 46 | 39 | 34 | 27 | 15 | 0 | 0 | 0 | 285171 | 393849 | 226 |
| 1140 | 46 | 44 | 38 | 33 | 27 | 16 | 0 | 0 | 0 | 285304 | 394060 | 223 |
| 1141 | 49 | 46 | 39 | 34 | 27 | 16 | 0 | 0 | 0 | 285468 | 393965 | 224 |
| 1142 | 43 | 42 | 38 | 33 | 26 | 15 | 0 | 0 | 0 | 285403 | 393964 | 223 |
| 1143 | 49 | 46 | 39 | 34 | 27 | 16 | 0 | 0 | 0 | 285437 | 393945 | 224 |
| 1144 | 49 | 47 | 39 | 34 | 28 | 17 | 0 | 0 | 0 | 285568 | 393955 | 226 |
| 1145 | 49 | 47 | 39 | 34 | 27 | 16 | 0 | 0 | 0 | 285577 | 393900 | 226 |
| 1146 | 49 | 47 | 39 | 34 | 27 | 16 | 0 | 0 | 0 | 285682 | 393848 | 226 |
| 1147 | 48 | 46 | 39 | 34 | 27 | 16 | 0 | 0 | 0 | 285671 | 393801 | 226 |
| 1148 | 47 | 45 | 39 | 33 | 26 | 15 | 0 | 0 | 0 | 285687 | 393724 | 225 |
| 1149 | 47 | 45 | 38 | 33 | 26 | 15 | 0 | 0 | 0 | 285678 | 393707 | 225 |
| 1150 | 48 | 46 | 39 | 34 | 26 | 15 | 0 | 0 | 0 | 285682 | 393616 | 225 |
| 1151 | 48 | 46 | 39 | 33 | 26 | 15 | 0 | 0 | 0 | 285637 | 393616 | 225 |
| 1152 | 48 | 45 | 39 | 34 | 26 | 15 | 0 | 0 | 0 | 285445 | 393721 | 226 |
| 1153 | 49 | 47 | 39 | 34 | 27 | 16 | 0 | 0 | 0 | 285479 | 393898 | 225 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 1154 | 49 | 47 | 39 | 34 | 27 | 16 | 0 | 0 | 0 | 285450 | 393896 | 225 |
| 1155 | 49 | 46 | 39 | 33 | 26 | 13 | 0 | 0 | 0 | 284815 | 393066 | 227 |
| 1156 | 48 | 46 | 39 | 33 | 25 | 12 | 0 | 0 | 0 | 284890 | 393068 | 227 |
| 1157 | 49 | 46 | 38 | 33 | 25 | 12 | 0 | 0 | 0 | 285163 | 393072 | 226 |
| 1158 | 49 | 46 | 38 | 33 | 25 | 12 | 0 | 0 | 0 | 285249 | 393070 | 226 |
| 1159 | 49 | 47 | 39 | 34 | 26 | 14 | 0 | 0 | 0 | 284881 | 393452 | 226 |
| 1160 | 49 | 47 | 39 | 34 | 26 | 14 | 0 | 0 | 0 | 284959 | 393393 | 226 |
| 1161 | 48 | 46 | 38 | 33 | 25 | 13 | 0 | 0 | 0 | 285133 | 393208 | 226 |
| 1162 | 49 | 46 | 39 | 33 | 26 | 14 | 0 | 0 | 0 | 285323 | 393388 | 225 |
| 1163 | 49 | 46 | 39 | 33 | 26 | 14 | 0 | 0 | 0 | 285478 | 393466 | 225 |
| 1164 | 47 | 44 | 38 | 32 | 25 | 12 | 0 | 0 | 0 | 285601 | 393087 | 226 |
| 1165 | 49 | 46 | 39 | 33 | 26 | 15 | 0 | 0 | 0 | 285667 | 393514 | 225 |
| 1166 | 47 | 45 | 38 | 33 | 25 | 13 | 0 | 0 | 0 | 285730 | 393306 | 226 |
| 1167 | 49 | 47 | 39 | 34 | 26 | 14 | 0 | 0 | 0 | 284958 | 393391 | 226 |
| 1168 | 49 | 47 | 39 | 34 | 26 | 13 | 0 | 0 | 0 | 284839 | 393223 | 226 |
| 1169 | 48 | 46 | 39 | 33 | 25 | 12 | 0 | 0 | 0 | 284890 | 393066 | 227 |
| 1170 | 49 | 47 | 39 | 33 | 26 | 13 | 0 | 0 | 0 | 284843 | 393066 | 227 |
| 1171 | 49 | 46 | 38 | 33 | 25 | 12 | 0 | 0 | 0 | 285163 | 393073 | 226 |
| 1172 | 49 | 46 | 38 | 33 | 25 | 12 | 0 | 0 | 0 | 285245 | 393068 | 226 |
| 1173 | 48 | 46 | 38 | 33 | 25 | 12 | 0 | 0 | 0 | 285433 | 393031 | 227 |
| 1174 | 48 | 46 | 38 | 33 | 25 | 12 | 0 | 0 | 0 | 285525 | 393029 | 226 |
| 1175 | 48 | 46 | 38 | 33 | 25 | 12 | 0 | 0 | 0 | 285822 | 393018 | 226 |
| 1176 | 49 | 46 | 38 | 33 | 26 | 13 | 0 | 0 | 0 | 285248 | 393181 | 226 |
| 1177 | 49 | 46 | 38 | 33 | 26 | 13 | 0 | 0 | 0 | 285529 | 393205 | 227 |
| 1178 | 44 | 42 | 37 | 33 | 26 | 15 | 0 | 0 | 0 | 285306 | 393842 | 223 |
| 1179 | 49 | 46 | 39 | 33 | 26 | 14 | 0 | 0 | 0 | 285124 | 393409 | 226 |
| 1180 | 49 | 46 | 38 | 33 | 26 | 13 | 0 | 0 | 0 | 285315 | 393265 | 226 |
| 1181 | 47 | 44 | 38 | 32 | 25 | 12 | 0 | 0 | 0 | 286096 | 393020 | 226 |
| 1182 | 48 | 46 | 39 | 34 | 27 | 16 | 0 | 0 | 0 | 285230 | 393999 | 226 |
| 1183 | 50 | 47 | 40 | 34 | 27 | 14 | 0 | 0 | 0 | 284099 | 393251 | 228 |
| 1184 | 46 | 44 | 37 | 32 | 25 | 14 | 0 | 0 | 0 | 284797 | 394475 | 224 |
| 1185 | 46 | 44 | 37 | 32 | 24 | 12 | 0 | 0 | 0 | 284767 | 394482 | 224 |
| 1186 | 46 | 44 | 37 | 32 | 24 | 12 | 0 | 0 | 0 | 284732 | 394489 | 224 |
| 1187 | 46 | 44 | 38 | 32 | 24 | 12 | 0 | 0 | 0 | 284696 | 394495 | 225 |
| 1188 | 47 | 44 | 38 | 32 | 25 | 12 | 0 | 0 | 0 | 284630 | 394512 | 225 |
| 1189 | 47 | 45 | 38 | 32 | 25 | 13 | 0 | 0 | 0 | 284558 | 394529 | 226 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 1190 | 47 | 44 | 38 | 32 | 25 | 13 | 0 | 0 | 0 | 284529 | 394537 | 225 |
| 1191 | 46 | 44 | 38 | 32 | 25 | 13 | 0 | 0 | 0 | 284497 | 394542 | 225 |
| 1192 | 47 | 45 | 38 | 33 | 25 | 13 | 0 | 0 | 0 | 284459 | 394553 | 226 |
| 1193 | 48 | 45 | 38 | 33 | 25 | 13 | 0 | 0 | 0 | 284429 | 394560 | 226 |
| 1194 | 47 | 45 | 38 | 33 | 25 | 13 | 0 | 0 | 0 | 284403 | 394570 | 225 |
| 1195 | 47 | 45 | 39 | 33 | 25 | 14 | 0 | 0 | 0 | 284375 | 394582 | 226 |
| 1196 | 47 | 45 | 39 | 33 | 26 | 16 | 0 | 0 | 0 | 284345 | 394584 | 226 |
| 1197 | 49 | 47 | 40 | 35 | 28 | 17 | 0 | 0 | 0 | 284272 | 394578 | 226 |
| 1198 | 50 | 48 | 40 | 36 | 29 | 17 | 0 | 0 | 0 | 284148 | 394538 | 227 |
| 1199 | 50 | 48 | 40 | 36 | 29 | 17 | 0 | 0 | 0 | 284149 | 394505 | 227 |
| 1200 | 50 | 48 | 40 | 35 | 28 | 17 | 0 | 0 | 0 | 284148 | 394465 | 227 |
| 1201 | 50 | 48 | 40 | 35 | 28 | 17 | 0 | 0 | 0 | 284147 | 394436 | 227 |
| 1202 | 50 | 47 | 40 | 35 | 28 | 16 | 0 | 0 | 0 | 284201 | 394393 | 226 |
| 1203 | 46 | 44 | 40 | 35 | 27 | 16 | 0 | 0 | 0 | 284265 | 394409 | 226 |
| 1204 | 50 | 47 | 40 | 35 | 28 | 17 | 0 | 0 | 0 | 284263 | 394442 | 226 |
| 1205 | 47 | 45 | 40 | 35 | 28 | 16 | 0 | 0 | 0 | 284274 | 394472 | 226 |
| 1206 | 49 | 47 | 40 | 35 | 28 | 17 | 0 | 0 | 0 | 284259 | 394502 | 226 |
| 1207 | 50 | 48 | 40 | 35 | 28 | 17 | 0 | 0 | 0 | 284265 | 394537 | 226 |
| 1208 | 50 | 48 | 40 | 36 | 29 | 17 | 0 | 0 | 0 | 284208 | 394534 | 226 |
| 1209 | 48 | 46 | 40 | 35 | 28 | 17 | 0 | 0 | 0 | 284208 | 394499 | 226 |
| 1210 | 49 | 47 | 40 | 35 | 28 | 17 | 0 | 0 | 0 | 284209 | 394469 | 227 |
| 1211 | 50 | 48 | 40 | 35 | 28 | 17 | 0 | 0 | 0 | 284207 | 394440 | 227 |
| 1212 | 50 | 48 | 40 | 35 | 29 | 17 | 0 | 0 | 0 | 284207 | 394564 | 226 |
| 1213 | 50 | 48 | 40 | 36 | 29 | 17 | 0 | 0 | 0 | 284212 | 394595 | 226 |
| 1214 | 49 | 47 | 40 | 35 | 27 | 15 | 0 | 0 | 0 | 284085 | 393909 | 227 |
| 1215 | 50 | 47 | 40 | 35 | 27 | 15 | 0 | 0 | 0 | 284519 | 393822 | 227 |
| 1216 | 49 | 47 | 39 | 34 | 27 | 15 | 0 | 0 | 0 | 284572 | 393812 | 227 |
| 1217 | 49 | 47 | 39 | 34 | 27 | 15 | 0 | 0 | 0 | 284611 | 393809 | 227 |
| 1218 | 49 | 47 | 39 | 34 | 27 | 15 | 0 | 0 | 0 | 284649 | 393799 | 227 |
| 1219 | 49 | 46 | 39 | 34 | 27 | 14 | 0 | 0 | 0 | 284651 | 393760 | 226 |
| 1220 | 47 | 45 | 38 | 32 | 24 | 12 | 0 | 0 | 0 | 284704 | 393790 | 226 |
| 1221 | 46 | 44 | 38 | 33 | 27 | 16 | 0 | 0 | 0 | 285231 | 394071 | 225 |
| 1222 | 47 | 45 | 39 | 34 | 27 | 16 | 0 | 0 | 0 | 285235 | 394043 | 225 |
| 1223 | 48 | 46 | 39 | 35 | 30 | 21 | 1 | 0 | 0 | 287618 | 394487 | 230 |
| 1224 | 45 | 43 | 37 | 33 | 26 | 17 | 0 | 0 | 0 | 288679 | 394263 | 242 |
| 1225 | 46 | 44 | 37 | 32 | 26 | 15 | 0 | 0 | 0 | 288429 | 393834 | 238 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 1226 | 44 | 42 | 36 | 31 | 24 | 12 | 0 | 0 | 0 | 286349 | 393020 | 224 |
| 1227 | 41 | 40 | 34 | 28 | 19 | 4 | 0 | 0 | 0 | 286178 | 391400 | 225 |
| 1228 | 42 | 40 | 32 | 26 | 17 | 3 | 0 | 0 | 0 | 288899 | 391431 | 225 |
| 1229 | 26 | 26 | 22 | 14 | 4 | 0 | 0 | 0 | 0 | 288880 | 389172 | 220 |
| 1230 | 46 | 44 | 36 | 31 | 23 | 10 | 0 | 0 | 0 | 284166 | 388658 | 220 |
| 1231 | 34 | 31 | 22 | 16 | 6 | 0 | 0 | 0 | 0 | 287898 | 388510 | 217 |
| 1232 | 39 | 26 | 16 | 9 | 3 | 0 | 0 | 0 | 1 | 287998 | 386178 | 212 |
| 1233 | 24 | 22 | 18 | 11 | 3 | 0 | 0 | 0 | 0 | 286634 | 385734 | 214 |
| 1234 | 40 | 38 | 29 | 23 | 14 | 0 | 0 | 0 | 0 | 285625 | 386055 | 216 |
| 1235 | 51 | 49 | 42 | 37 | 31 | 21 | 0 | 0 | 0 | 281140 | 387328 | 223 |
| 1236 | 51 | 49 | 42 | 38 | 31 | 21 | 0 | 0 | 0 | 281066 | 387267 | 223 |
| 1237 | 57 | 55 | 50 | 47 | 43 | 37 | 25 | 0 | 0 | 277258 | 385778 | 222 |
| 1238 | 37 | 35 | 27 | 20 | 11 | 0 | 0 | 0 | 0 | 285410 | 383489 | 209 |
| 1239 | 37 | 35 | 30 | 23 | 14 | 0 | 0 | 0 | 0 | 284819 | 383174 | 210 |
| 1240 | 36 | 34 | 28 | 22 | 13 | 0 | 0 | 0 | 0 | 285002 | 382877 | 212 |
| 1241 | 32 | 29 | 25 | 18 | 9 | 0 | 0 | 0 | 0 | 284975 | 382751 | 211 |
| 1242 | 41 | 39 | 30 | 24 | 15 | 0 | 0 | 0 | 0 | 284825 | 382711 | 213 |
| 1243 | 32 | 30 | 27 | 22 | 13 | 0 | 0 | 0 | 0 | 284774 | 382822 | 211 |
| 1244 | 43 | 43 | 40 | 35 | 28 | 17 | 0 | 0 | 0 | 272329 | 382005 | 215 |
| 1245 | 50 | 48 | 41 | 37 | 31 | 22 | 3 | 0 | 0 | 273451 | 380983 | 215 |
| 1246 | 50 | 48 | 41 | 37 | 31 | 22 | 3 | 0 | 0 | 280240 | 381740 | 216 |
| 1247 | 49 | 47 | 40 | 36 | 29 | 20 | 0 | 0 | 0 | 280607 | 381721 | 217 |
| 1248 | 49 | 47 | 40 | 36 | 30 | 20 | 0 | 0 | 0 | 280608 | 381862 | 217 |
| 1249 | 49 | 47 | 40 | 36 | 30 | 20 | 0 | 0 | 0 | 280607 | 381877 | 217 |
| 1250 | 49 | 47 | 40 | 35 | 29 | 19 | 0 | 0 | 0 | 280729 | 381807 | 216 |
| 1251 | 49 | 47 | 40 | 35 | 29 | 19 | 0 | 0 | 0 | 280806 | 381961 | 217 |
| 1252 | 42 | 40 | 36 | 30 | 22 | 9 | 0 | 0 | 0 | 282265 | 381401 | 210 |
| 1253 | 46 | 44 | 36 | 31 | 24 | 11 | 0 | 0 | 0 | 282230 | 381554 | 211 |
| 1254 | 46 | 44 | 36 | 31 | 23 | 10 | 0 | 0 | 0 | 282453 | 381593 | 214 |
| 1255 | 41 | 39 | 34 | 30 | 22 | 10 | 0 | 0 | 0 | 281945 | 380950 | 213 |
| 1256 | 46 | 43 | 36 | 30 | 22 | 9 | 0 | 0 | 0 | 282423 | 381136 | 209 |
| 1257 | 44 | 42 | 35 | 29 | 21 | 8 | 0 | 0 | 0 | 282732 | 381419 | 214 |
| 1258 | 57 | 55 | 49 | 46 | 42 | 36 | 24 | 0 | 0 | 276407 | 383269 | 220 |
| 1259 | 56 | 54 | 48 | 45 | 41 | 36 | 26 | 1 | 0 | 280840 | 389884 | 223 |
| 1260 | 49 | 47 | 40 | 36 | 31 | 22 | 2 | 0 | 0 | 274958 | 379585 | 214 |
| 1261 | 54 | 52 | 46 | 42 | 37 | 30 | 15 | 0 | 0 | 277569 | 395942 | 224 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 1262 | 47 | 45 | 37 | 31 | 23 | 8 | 0 | 0 | 0 | 285346 | 391675 | 226 |
| 1263 | 53 | 51 | 45 | 41 | 36 | 27 | 8 | 0 | 0 | 273539 | 383537 | 219 |
| 1264 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273498 | 383449 | 219 |
| 1265 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273452 | 383465 | 218 |
| 1266 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273534 | 383432 | 219 |
| 1267 | 53 | 51 | 44 | 41 | 36 | 27 | 8 | 0 | 0 | 273502 | 383506 | 218 |
| 1268 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273460 | 383710 | 218 |
| 1269 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273644 | 383586 | 219 |
| 1270 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273594 | 383678 | 218 |
| 1271 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273661 | 383502 | 218 |
| 1272 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273596 | 383643 | 219 |
| 1273 | 52 | 50 | 44 | 41 | 35 | 27 | 9 | 0 | 0 | 273283 | 383741 | 217 |
| 1274 | 53 | 51 | 45 | 41 | 36 | 27 | 8 | 0 | 0 | 273497 | 383543 | 218 |
| 1275 | 53 | 51 | 45 | 41 | 36 | 27 | 9 | 0 | 0 | 273583 | 383535 | 218 |
| 1276 | 53 | 51 | 45 | 42 | 37 | 29 | 11 | 0 | 0 | 273933 | 383596 | 219 |
| 1277 | 53 | 51 | 45 | 41 | 36 | 28 | 10 | 0 | 0 | 273498 | 383798 | 218 |
| 1278 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273562 | 383712 | 218 |
| 1279 | 54 | 51 | 45 | 42 | 37 | 28 | 10 | 0 | 0 | 273840 | 383603 | 219 |
| 1280 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273539 | 383661 | 219 |
| 1281 | 53 | 51 | 45 | 41 | 36 | 28 | 10 | 0 | 0 | 273720 | 383601 | 219 |
| 1282 | 52 | 50 | 44 | 40 | 34 | 26 | 6 | 0 | 0 | 273226 | 383310 | 217 |
| 1283 | 53 | 51 | 44 | 41 | 35 | 27 | 7 | 0 | 0 | 273292 | 383542 | 218 |
| 1284 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273294 | 383644 | 219 |
| 1285 | 52 | 50 | 44 | 40 | 34 | 25 | 5 | 0 | 0 | 273225 | 383140 | 219 |
| 1286 | 54 | 52 | 46 | 42 | 37 | 29 | 13 | 0 | 0 | 273594 | 384073 | 217 |
| 1287 | 52 | 50 | 45 | 42 | 36 | 28 | 12 | 0 | 0 | 273497 | 384072 | 218 |
| 1288 | 53 | 51 | 45 | 41 | 36 | 28 | 10 | 0 | 0 | 273434 | 383766 | 217 |
| 1289 | 52 | 50 | 45 | 41 | 37 | 29 | 12 | 0 | 0 | 273465 | 384032 | 216 |
| 1290 | 53 | 50 | 44 | 40 | 35 | 26 | 6 | 0 | 0 | 273273 | 383393 | 218 |
| 1291 | 52 | 50 | 45 | 41 | 37 | 29 | 12 | 0 | 0 | 273437 | 384035 | 216 |
| 1292 | 53 | 51 | 45 | 42 | 37 | 29 | 12 | 0 | 0 | 273599 | 384028 | 216 |
| 1293 | 52 | 51 | 45 | 42 | 37 | 29 | 13 | 0 | 0 | 273429 | 384065 | 218 |
| 1294 | 52 | 50 | 43 | 39 | 34 | 25 | 5 | 0 | 0 | 273223 | 383021 | 218 |
| 1295 | 53 | 51 | 45 | 42 | 37 | 29 | 13 | 0 | 0 | 273392 | 384069 | 219 |
| 1296 | 53 | 51 | 45 | 42 | 37 | 29 | 12 | 0 | 0 | 273526 | 384019 | 216 |
| 1297 | 53 | 51 | 44 | 41 | 36 | 27 | 9 | 0 | 0 | 273288 | 383700 | 219 |

| Receptor (Primary Structures)[15] | Modeled Sound Pressure Level (dBZ) by Full Octave Band (Hz) | | | | | | | | | Coordinates IL State Plane (NAD 83) | | Receptor Elevation (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | X (m) | Y (m) | |
| *IPCB Limit* | *69* | *67* | *62* | *54* | *47* | *41* | *36* | *32* | *32* | | | |
| 1298 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273439 | 383700 | 217 |
| 1299 | 52 | 50 | 44 | 40 | 34 | 25 | 5 | 0 | 0 | 273223 | 383160 | 219 |
| 1300 | 52 | 50 | 45 | 41 | 36 | 29 | 12 | 0 | 0 | 273437 | 384017 | 216 |
| 1301 | 54 | 52 | 46 | 42 | 37 | 30 | 13 | 0 | 0 | 273496 | 384133 | 219 |
| 1302 | 54 | 52 | 45 | 42 | 37 | 29 | 13 | 0 | 0 | 273345 | 384090 | 219 |
| 1303 | 53 | 51 | 44 | 41 | 36 | 27 | 10 | 0 | 0 | 273285 | 383775 | 215 |
| 1304 | 54 | 52 | 46 | 42 | 37 | 30 | 13 | 0 | 0 | 273540 | 384121 | 219 |
| 1305 | 54 | 52 | 45 | 42 | 37 | 29 | 13 | 0 | 0 | 273336 | 384099 | 219 |
| 1306 | 54 | 52 | 46 | 42 | 38 | 30 | 13 | 0 | 0 | 273639 | 384140 | 217 |
| 1307 | 53 | 51 | 45 | 41 | 36 | 27 | 9 | 0 | 0 | 273387 | 383680 | 218 |
| 1308 | 53 | 51 | 45 | 41 | 36 | 27 | 9 | 0 | 0 | 273393 | 383663 | 218 |
| 1309 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273436 | 383738 | 217 |
| 1310 | 53 | 51 | 44 | 41 | 36 | 27 | 8 | 0 | 0 | 273433 | 383596 | 218 |
| 1311 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273387 | 383738 | 217 |
| 1312 | 53 | 51 | 44 | 41 | 36 | 27 | 8 | 0 | 0 | 273395 | 383633 | 218 |
| 1313 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273457 | 383738 | 217 |
| 1314 | 53 | 51 | 45 | 41 | 36 | 28 | 10 | 0 | 0 | 273440 | 383794 | 217 |
| 1315 | 53 | 51 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273282 | 383505 | 218 |
| 1316 | 54 | 52 | 46 | 42 | 37 | 29 | 13 | 0 | 0 | 273448 | 384118 | 219 |
| 1317 | 53 | 51 | 44 | 40 | 35 | 26 | 7 | 0 | 0 | 273383 | 383393 | 219 |
| 1318 | 53 | 51 | 45 | 41 | 36 | 28 | 9 | 0 | 0 | 273591 | 383699 | 218 |
| 1319 | 53 | 51 | 45 | 41 | 36 | 27 | 9 | 0 | 0 | 273348 | 383749 | 217 |
| 1320 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273338 | 383638 | 219 |
| 1321 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273330 | 383573 | 218 |
| 1322 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273326 | 383561 | 218 |
| 1323 | 53 | 51 | 44 | 41 | 35 | 27 | 8 | 0 | 0 | 273327 | 383539 | 218 |