



Union Ridge Solar

Exhibit N

Noise Assessment

Case No. 20-1757-EL-BGN



Union Ridge Solar, LLC

NOISE ASSESSMENT

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CONTENTS

| | |
|--|-----------|
| 1.0 INTRODUCTION | 1 |
| 2.0 PROJECT DESCRIPTION | 2 |
| 3.0 APPLICABLE SOUND LEVEL LIMITS | 5 |
| 4.0 SOUND LEVEL MONITORING | 6 |
| 4.1 PROCEDURES | 6 |
| EQUIPMENT | 6 |
| LOCATION DESCRIPTIONS | 8 |
| DATA PROCESSING | 13 |
| 4.2 BACKGROUND SOUND LEVEL SUMMARY | 13 |
| 4.3 MONITOR RESULTS BY LOCATION | 14 |
| MONITOR A | 15 |
| MONITOR B | 16 |
| MONITOR C | 18 |
| 5.0 SOUND PROPAGATION MODELING | 21 |
| 5.1 PROCEDURES | 21 |
| 5.2 MODEL RESULTS | 22 |
| 6.0 MITIGATION | 25 |
| 7.0 CONSTRUCTION NOISE | 28 |
| 8.0 CONCLUSIONS | 30 |
| APPENDIX A. ACOUSTICS PRIMER | 31 |
| EXPRESSING SOUND IN DECIBEL LEVELS | 31 |
| HUMAN RESPONSE TO SOUND LEVELS: APPARENT LOUDNESS | 31 |

| | |
|---|-----------|
| FREQUENCY SPECTRUM OF SOUND | 33 |
| HUMAN RESPONSE TO FREQUENCY: WEIGHTING OF SOUND LEVELS | 33 |
| TIME RESPONSE OF SOUND LEVEL METERS..... | 34 |
| ACCOUNTING FOR CHANGES IN SOUND OVER TIME..... | 34 |
| APPENDIX B. MODEL INPUT DATA | 37 |
| APPENDIX C. MODEL RESULTS FOR EACH RECEPTOR | 40 |

LIST OF FIGURES

| | |
|--|----|
| FIGURE 1: PROJECT AREA MAP | 3 |
| FIGURE 2: PROJECT SITE MAP | 4 |
| FIGURE 3: MAP OF MONITOR LOCATIONS | 7 |
| FIGURE 4: PHOTOGRAPH OF MONITOR A | 9 |
| FIGURE 5: MAP OF MONITOR A LOCATION | 9 |
| FIGURE 6: PHOTOGRAPH OF MONITOR B LOOKING WEST..... | 10 |
| FIGURE 7: MAP OF MONITOR B LOCATION | 11 |
| FIGURE 8: MAP OF MONITOR C LOCATION | 12 |
| FIGURE 9: SOUND PRESSURE LEVELS OVER TIME - MONITOR A, SEPTEMBER 29 TO OCTOBER 4..... | 15 |
| FIGURE 10: SOUND PRESSURE LEVELS OVER TIME - MONITOR A, OCTOBER 4 TO OCTOBER 6..... | 16 |
| FIGURE 11: SOUND PRESSURE LEVELS OVER TIME - MONITOR B, SEPTEMBER 29 TO OCTOBER 4..... | 17 |
| FIGURE 12: SOUND PRESSURE LEVELS OVER TIME - MONITOR B, OCTOBER 4 TO OCTOBER 6..... | 18 |
| FIGURE 13: SOUND PRESSURE LEVELS OVER TIME - MONITOR C, SEPTEMBER 29 TO OCTOBER 4..... | 19 |
| FIGURE 14: SOUND PRESSURE LEVELS OVER TIME - MONITOR C, OCTOBER 4 TO OCTOBER 6..... | 20 |
| FIGURE 15: SOUND PROPAGATION MODEL RESULTS – DAYTIME CONFIGURATION WITH PROPOSED BARRIERS..... | 23 |
| FIGURE 16: SOUND PROPAGATION MODELING RESULTS - NIGHTTIME CONFIGURATION WITH PROPOSED BARRIERS..... | 26 |
| FIGURE 17: SOUND BARRIER LOCATIONS INCLUDING MODELED BARRIER HEIGHT | 27 |
| FIGURE 18: A SCALE OF SOUND PRESSURE LEVELS FOR TYPICAL SOUND SOURCES..... | 32 |
| FIGURE 19: EXAMPLE OF DESCRIPTIVE TERMS OF SOUND MEASUREMENT OVER TIME | 35 |
| FIGURE 20: MAP OF RECEIVER IDS – NORTHWEST VIEW | 41 |
| FIGURE 21: MAP OF RECEIVER IDS – NORTH CENTER VIEW | 42 |
| FIGURE 22: MAP OF RECEIVER IDS - NORTHEAST VIEW | 43 |
| FIGURE 23: MAP OF RECEIVER IDS - WEST-CENTER VIEW | 44 |
| FIGURE 24: MAP OF RECEIVER IDS - CENTER VIEW | 45 |
| FIGURE 25: MAP OF RECEIVER IDS - EAST-CENTER VIEW | 46 |
| FIGURE 26: MAP OF RECEIVER IDS - SOUTHWEST VIEW | 47 |
| FIGURE 27: MAP OF RECEIVER IDS - SOUTH-CENTER VIEW | 48 |
| FIGURE 28: MAP OF RECEIVER IDS - SOUTHEAST VIEW | 49 |

LIST OF TABLES

| | |
|--|----|
| TABLE 1: SUMMARY OF BACKGROUND SOUND LEVELS..... | 14 |
| TABLE 2: SUMMARY OF MODELED SOUND PRESSURE LEVELS..... | 22 |
| TABLE 3: MAXIMUM SOUND LEVELS FROM VARIOUS TYPES OF CONSTRUCTION EQUIPMENT ASSUMING NO ATTENUATION FROM TREES OR TERRAIN | 29 |
| TABLE 4: MODEL PARAMETER SETTINGS | 37 |
| TABLE 5: MODELED SOUND POWER SPECTRA, DBZ UNLESS OTHERWISE NOTED | 37 |
| TABLE 6: SOUND SOURCE INFORMATION | 38 |
| TABLE 7: MODEL RESULTS & RECEIVER COORDINATES | 50 |

1.0 INTRODUCTION

The Union Ridge Solar Project (“Project”) is a photovoltaic power facility proposed for Licking County in central Ohio. The Project is proposed to have a nameplate capacity of up to 107 MWac. To inform the Ohio Power Siting Board (“OPSB”) permitting process, RSG was hired by Environmental Design and Research (EDR), to perform a Noise Assessment of existing acoustical conditions in the area and sound emissions of the primary sound-producing Project components, namely inverters and transformers. This report includes:

- A Project description;
- Sound level limits applicable to the Project;
- Sound level monitoring procedures and results;
- Operational sound propagation modeling procedures and results;
- Construction noise modeling; and
- Conclusions.

A primer of acoustical terminology used in this report can be found in Appendix A.

2.0 PROJECT DESCRIPTION

The Project is proposed to be located in Licking County, Ohio. Licking County is located in central Ohio, approximately 11 kilometers (6.8 miles) east of Columbus, Ohio. The Project will be approximately bounded on the east by York Road Southwest and extends approximately 500 meters (1,640 feet) west of Watkins Road Southwest. The Project extends from Creek Road SW on the south side to approximately 775 meters (2,540 feet) short of Blacks Road SW on the north. The City of Pataskala is located approximately 1,770 meters (5,800 feet) northwest of the Project boundary. The project fence line is shown in its regional context in Figure 1.

The area is a mixture of agricultural and residential areas. A total of 1,339 residences are included in this assessment and are shown along with Project elements in Figure 2.

Based on the preliminary layout for the Project, the primary operational sound sources include 34 inverter skids spread throughout the Project Area and a main high-voltage transformer, though there are currently two proposed locations for the transformer. Each inverter skid includes an inverter and medium-voltage transformer. Approximately 3,874 tracking motors are expected. Sound emissions from all sources are analyzed in this assessment. Typical operations of the Project include transformers, trackers, and inverters operating during the day, and transformers and inverters operating at night.

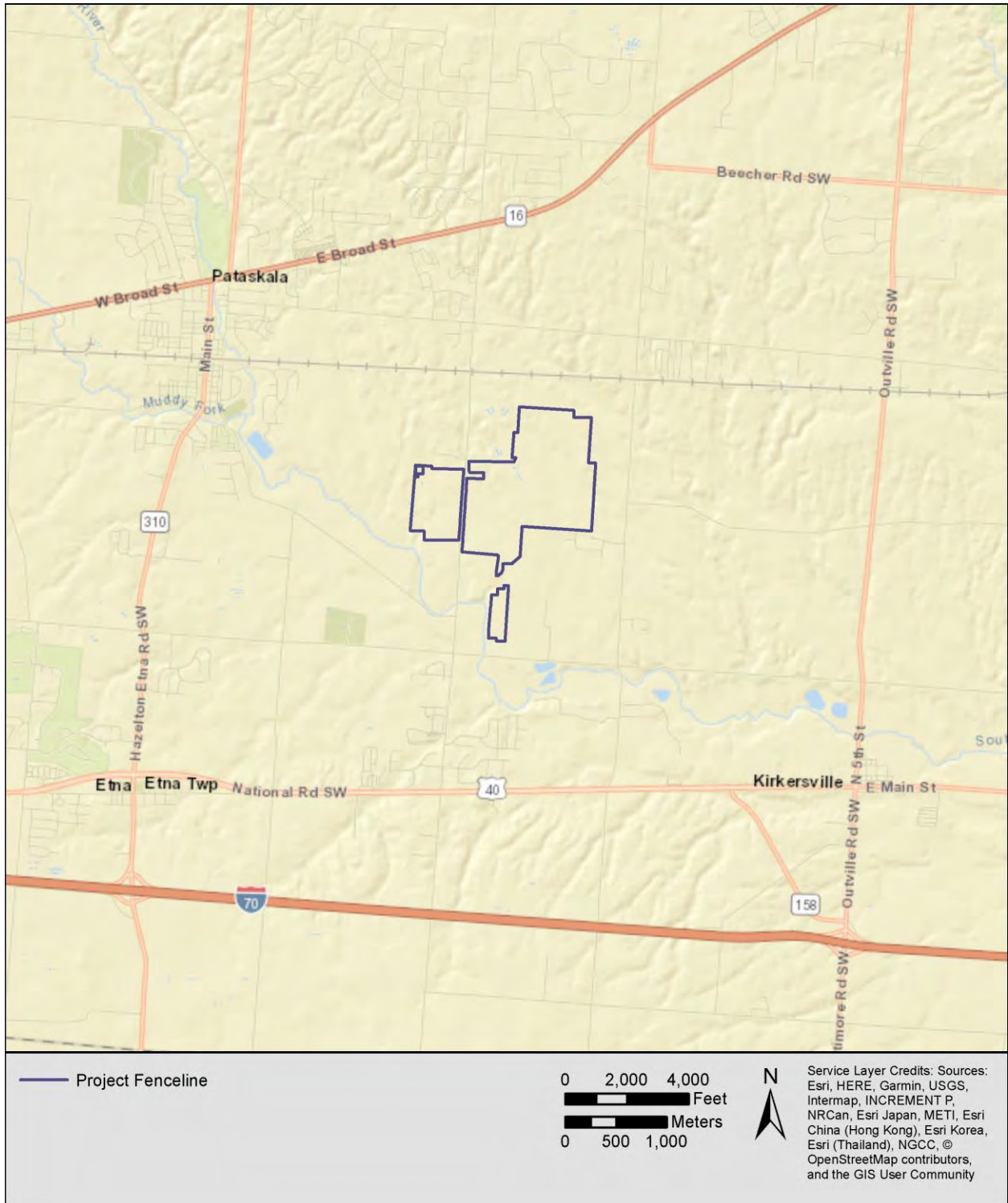


FIGURE 1: PROJECT AREA MAP

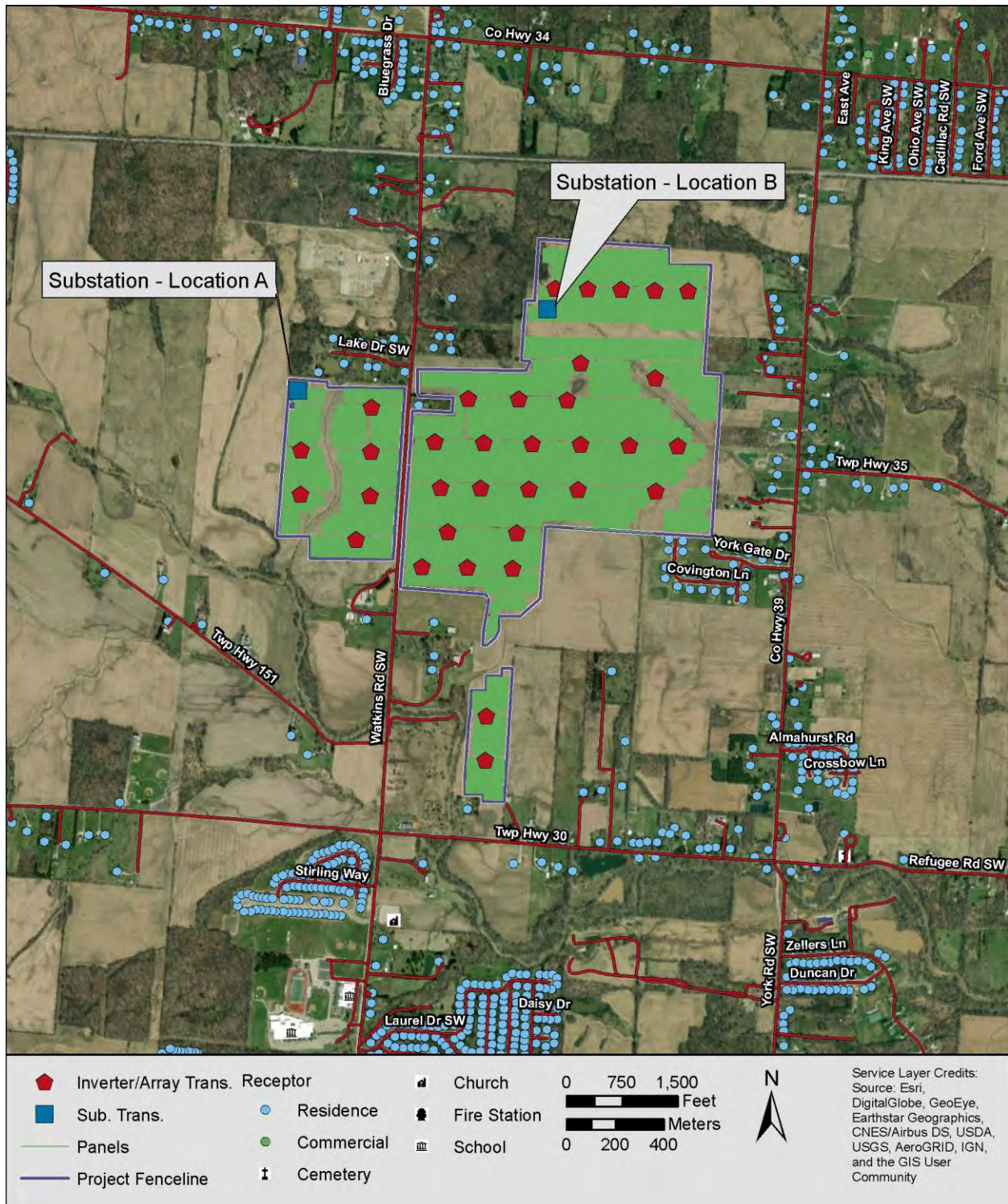


FIGURE 2: PROJECT SITE MAP

3.0 APPLICABLE SOUND LEVEL LIMITS

State noise policy applicable to this Project can be found in Ohio Administrative Code (“OAC”) Chapter 4906-4 Section 8(A), which is reproduced below. This Section requires that information on noise be provided including:

- Projected sound levels at the nearest property boundary due to construction;
- Projected sound levels at the nearest property boundary due to operation;
- Descriptions of mitigation measures; and
- A preconstruction background sound level study.

Although there is a specific sound level limit for wind power projects within the OAC, there is not one for solar power projects. The design goal for non-participating sensitive receptors used in this assessment of the Project is the measured ambient sound level plus 5 dB for daytime and nighttime periods. That is, the design goal during the daytime is the measured daytime ambient sound level plus 5 dB, and the nighttime design goal will be the measured nighttime ambient sound level plus 5 dB.

Based on the background sound monitoring conducted at three locations throughout the Project Area (see Section 4.0), the average existing daytime and nighttime equivalent continuous sound levels (L_{eq}) in the area are 44.8 dBA and 38.1 dBA, respectively. This sets the daytime design goal at 49.8 dBA and the nighttime design goal at 43.1 dBA.

4.0 SOUND LEVEL MONITORING

4.1 PROCEDURES

Background sound levels were measured at three locations around the Project Area. A map showing all monitor locations is provided in Figure 3. Continuous monitoring was conducted for the period from September 29 through October 6, 2020.

Equipment

Sound levels were measured using either Cesva SC 310, Larson Davis LD831, or Cirrus 171B sound level meters, which are all ANSI/IEC Class 1 instruments. All meters logged A-weighted and 1/3 octave band equivalent continuous sound levels once each second. Each sound level meter was attached to an external audio recorder (Roland R-05 or R09-HR) to aid in source identification and soundscape characterization.

Each sound level meter's microphone was mounted on a wooden stake at a height of approximately 1.5 meters (4.9 feet) and covered with a seven-inch weather-resistant windscreen. The windscreen reduces the influence of wind-induced self-noise on the measurements. The sound level meters were field-calibrated before and after each measurement period.

Wind data was logged at each site using an ONSET anemometer which recorded average wind speed and wind gust speed data once per minute and was installed at microphone height (1.5 meters). Other meteorological data was taken from the National Weather Service ASOS station in Columbus, OH (RZT).

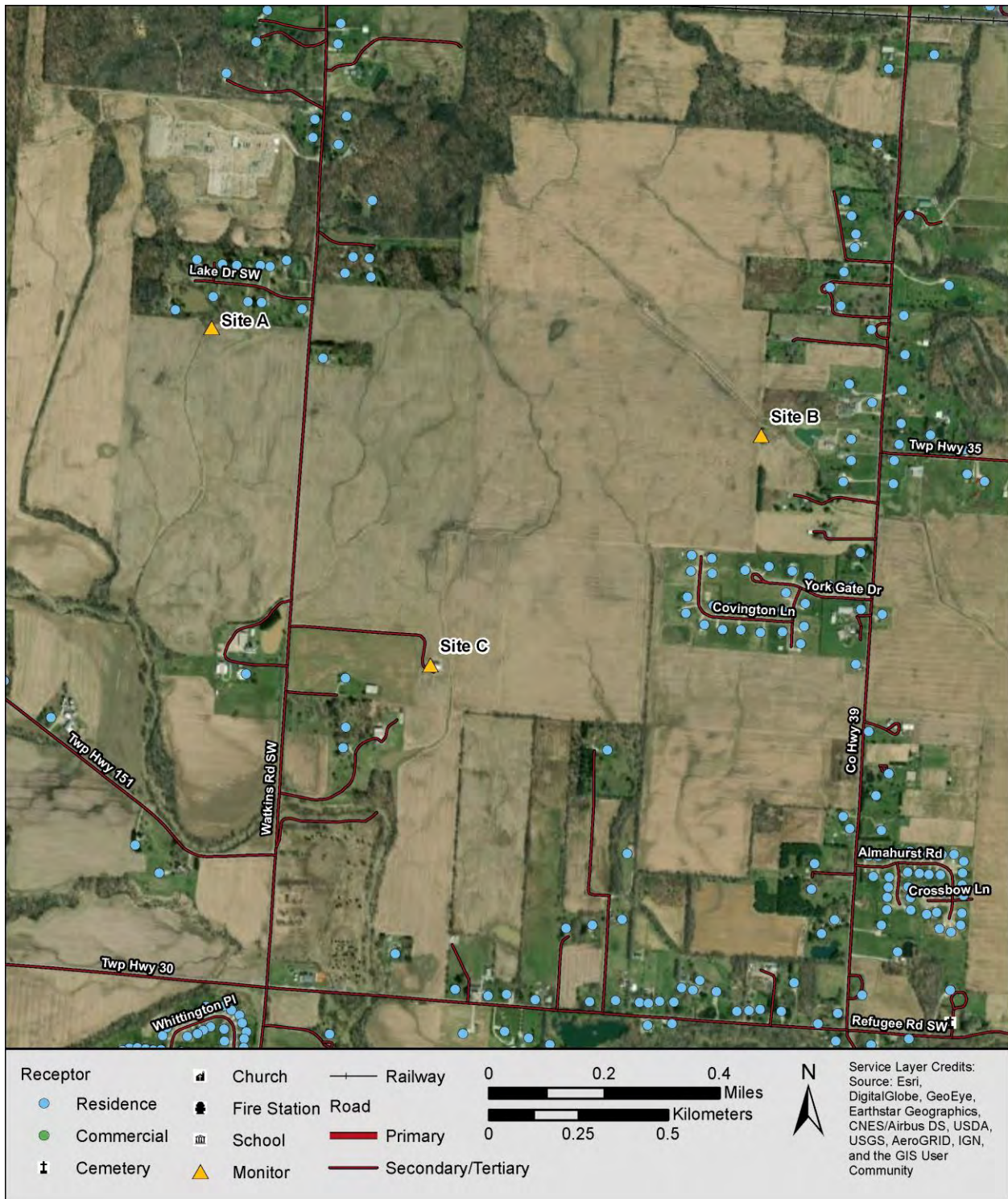


FIGURE 3: MAP OF MONITOR LOCATIONS

Location Descriptions

Monitor A

Monitor A was located in the western part of the project area, with the monitor situated on the north edge of a planted corn field. Just north of the monitoring location was a residential area located along Lake Drive Southwest. Watkins Road Southwest was located approximately 270 meters (890 feet) to the east and Lake Drive Southwest was located approximately 130 meters (430 feet) to the north. A rail line is located approximately 960 meters (3,150 feet) to the north. A photograph of the monitor is shown in Figure 4, and a map of the monitor location is provided in Figure 5.

The Project substation Location A is proposed to be located just west of the monitor, while another substation is located on the other side of the residential area, approximately 370 meters (1,210 feet) to the north.



FIGURE 4: PHOTOGRAPH OF MONITOR A



FIGURE 5: MAP OF MONITOR A LOCATION

Monitor B

Monitor B was located on the eastern edge of a farm field attached to a row of trees located just west of a residence. York Road Southwest (County Highway 39) was located 330 meters (1,080 feet) to the east and the closest residence was located approximately 250 meters (820 feet) to the east. A photograph of the monitor is shown in Figure 6 and a map of the monitor location is provided in Figure 7.

This monitor represents the soundscape for residences on the eastern edge of the project, particularly those along York Road Southwest.



FIGURE 6: PHOTOGRAPH OF MONITOR B LOOKING WEST



FIGURE 7: MAP OF MONITOR B LOCATION

Monitor C

Monitor C was located adjacent to a barn that was surrounding by a farm field. The location was located at the end of a small private road, that extends east from Watkins Road Southwest. The closest residence to the monitor was located approximately 240 meters (790 feet) to the southwest and Watkins Road Southwest was located approximately 400 meters (1,310 feet) to the west. A map of the monitor location is provided in Figure 8, there is no picture available for this location.

This monitor is intended to represent residential soundscapes towards the southern end of the project area and near Refugee Road Southwest (Township Highway 30), located 930 meters (3,050 feet) to the south.

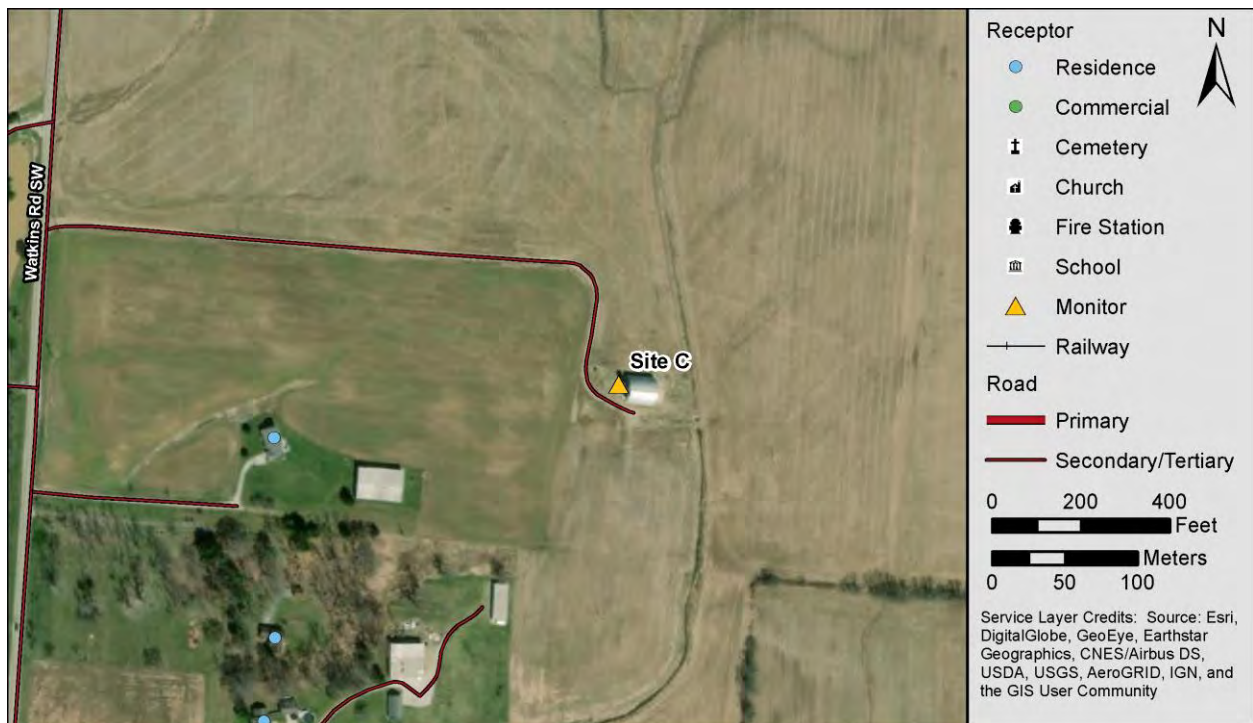


FIGURE 8: MAP OF MONITOR C LOCATION

Data Processing

Following the collection of the meters, data was downloaded, processed, and summarized into 10-minute, overall day, overall night, and full monitoring-period length durations. For each 10-minute period, equivalent average (L_{eq}), upper 10th percentile (L_{10}), median (L_{50}), and lower 10th percentile (L_{90}) sound levels were also calculated.

During analysis, sound level data was removed from the dataset during the periods that would cause false sound level readings or artificially high levels. These periods include:

- Wind speeds above 5 m/s (11 mph);
- Precipitation and thunderstorm events;
- Anomalous events; or
- Equipment interactions by RSG staff, other people, or animals.

Precipitation events were obtained from nearby airport data and were corroborated through both analysis of sound level spectrograms and from the audio recordings. There were only a few brief periods of rain: two on September 30, and one on October 4. Anemometers were setup a day after the sound level meters (on September 30).

4.2 BACKGROUND SOUND LEVEL SUMMARY

An overall summary of the monitor results is provided in this section, followed by time-history graphs for each monitor in Section 4.3. Sound levels for each location are summarized into daytime, nighttime, and entire period levels in Table 1. It includes equivalent continuous average (L_{eq}), upper 10th percentile (L_{10}), median (L_{50}), and lower 10th percentile (L_{90}) sound levels. The nighttime L_{eq} across the Project Area is 38.1 dBA, and the daytime L_{eq} across the Project Area is 44.8 dBA. As discussed in Section 3.0, this sets the nighttime design goal threshold for nonparticipating sensitive receptors at 43.1 dBA and the daytime design goal threshold for non-participating sensitive receptors at 49.8 dBA.

TABLE 1: SUMMARY OF BACKGROUND SOUND LEVELS¹

| Location | Sound Pressure Level (dBA) | | | |
|---------------------|----------------------------|----------------------------|------|-------------|
| | Leq | L90 | L50 | L10 |
| Overall | | | | |
| Monitor A | 43.8 | 26.7 | 33.4 | 42.7 |
| Monitor B | 43.2 | 28.4 | 35.1 | 43.4 |
| Monitor C | 42.8 | 29.2 | 37.0 | 44.7 |
| Day | | | | |
| Monitor A | 45.4 | 29.3 | 35.8 | 45.0 |
| Monitor B | 44.8 | 31.5 | 37.6 | 45.0 |
| Monitor C | 44.3 | 32.9 | 39.2 | 45.7 |
| Site Average | 44.8 | Site Average + 5 dB | | 49.8 |
| Night | | | | |
| Monitor A | 38.0 | 24.8 | 29.6 | 37.8 |
| Monitor B | 37.8 | 27.0 | 30.8 | 39.4 |
| Monitor C | 38.5 | 27.3 | 33.4 | 40.9 |
| Site Average | 38.1 | Site Average + 5 dB | | 43.1 |

4.3 MONITOR RESULTS BY LOCATION

For display purposes, the one second data that was collected is displayed in 10-minute summarized values in the time history-graphs to show overall trends. Sound levels are plotted along with ambient temperature and wind speed to show relating trends. Time periods during which data was removed for the sound level summary presented in Section 4.2 are indicated with color-coded markers. Sound level data during periods when the entire 10-minute interval was excluded for wind, rain, or anomalies are still present in these graphs as lighter colors, with the darker colors representing 10-minute intervals where there were no data exclusions or only partial data exclusions.² The duration of each time history graph is one week, and each graph exhibits day/night shading where night is defined as 22:00 to 7:00 and shaded grey.

¹ High frequency biogenic sound was filtered out of the data during periods where it was present using an ANS weighting (defined in ANSI S12.100, "Methods to Define and Measure the Residual Sound in Protected Natural and Quiet Residential Areas") which simply discounts sound levels above the 1 kHz 1/1/ octave band, the frequency range in which the biogenic sounds occur.

² For some 10-minute periods, shorter durations within the 10-minutes are excluded due to wind, rain, or anomalies, but the rest of the 10-minute interval is still used in the summary. These periods are shown in the darker colors (Leq and L90) as only some of the 10-minute period was excluded.

Monitor A

Background sound level monitoring results for Monitor A are shown in Figure 9 and Figure 10. Background sound levels were largely driven by airplane overflights, distant car passbys, and train passbys. Other sound sources included wind in foliage, birds and insects.

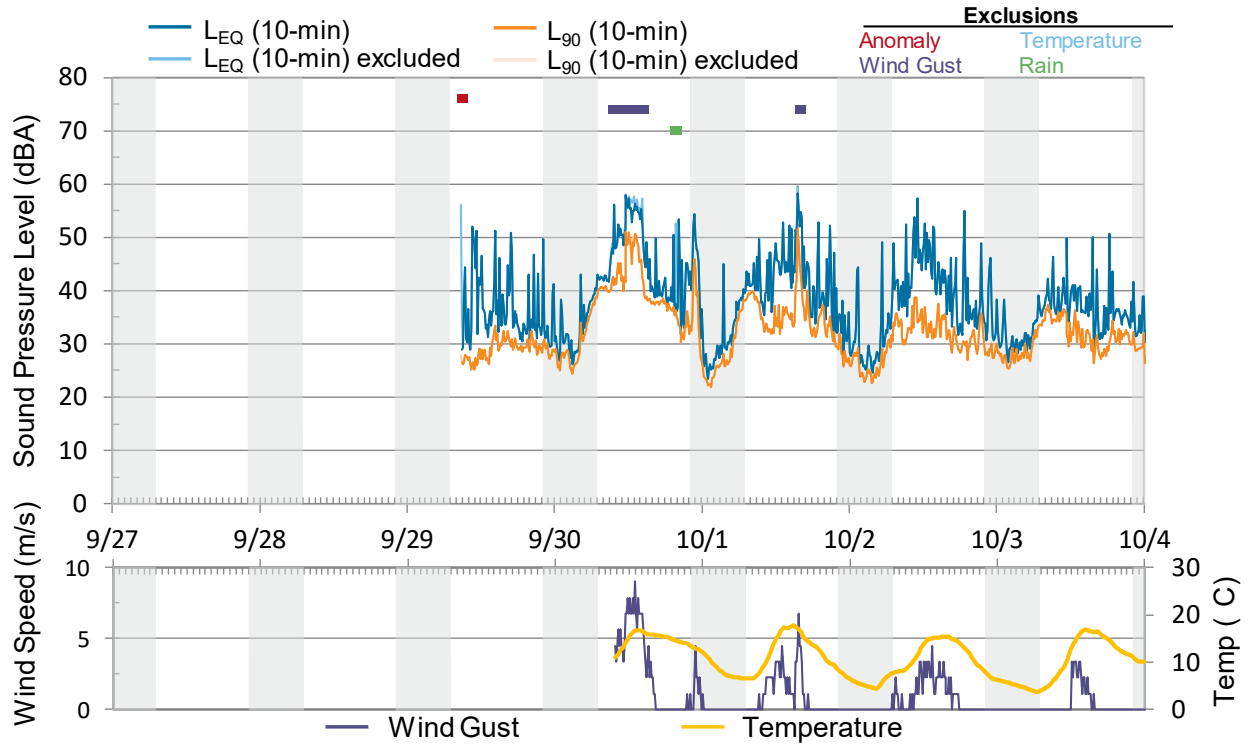


FIGURE 9: SOUND PRESSURE LEVELS OVER TIME - MONITOR A, SEPTEMBER 29 TO OCTOBER 4

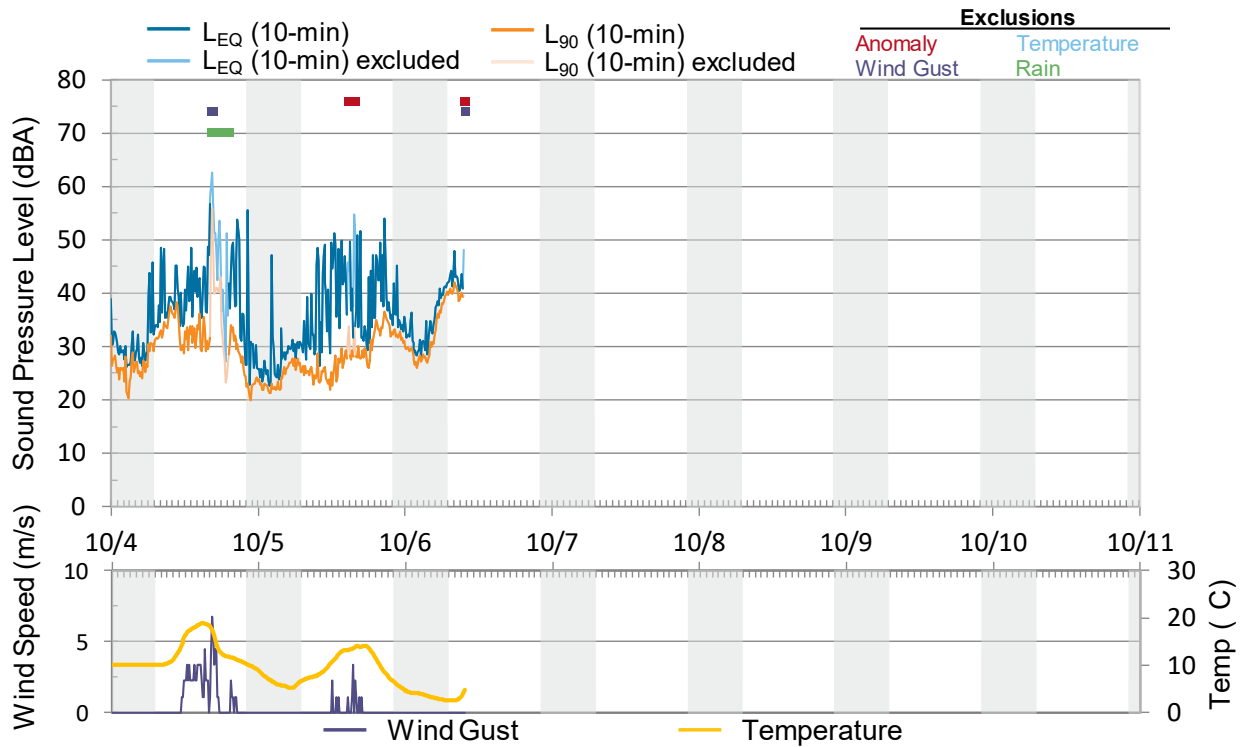


FIGURE 10: SOUND PRESSURE LEVELS OVER TIME - MONITOR A, OCTOBER 4 TO OCTOBER 6

Monitor B

Background sound level monitoring results for Monitor B are shown in Figure 11 and Figure 12. Background sound levels were largely driven by airplane overflights, car passbys, and train passbys. There was occasional operation of heavy equipment, though that only occurred consistently on two days and data from these periods was removed from results. At other periods, yard maintenance equipment was evident. Other sound sources included wind in foliage, birds and insects.

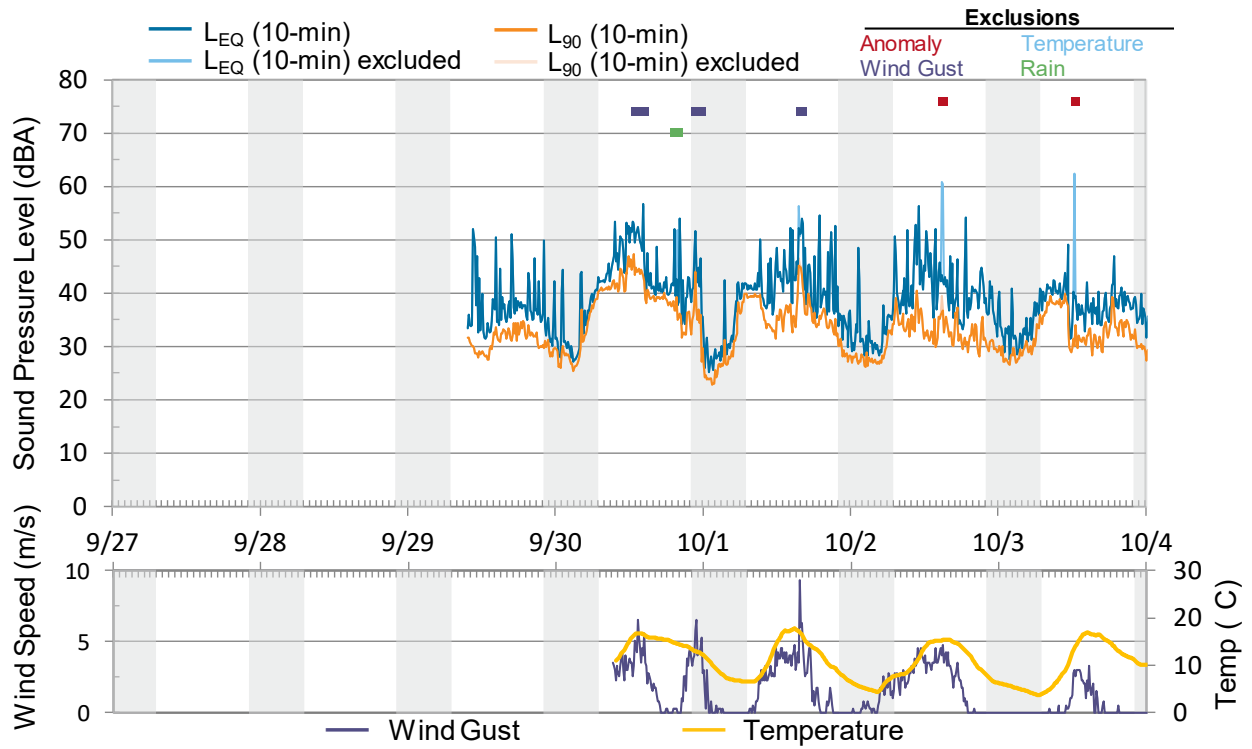


FIGURE 11: SOUND PRESSURE LEVELS OVER TIME - MONITOR B, SEPTEMBER 29 TO OCTOBER 4

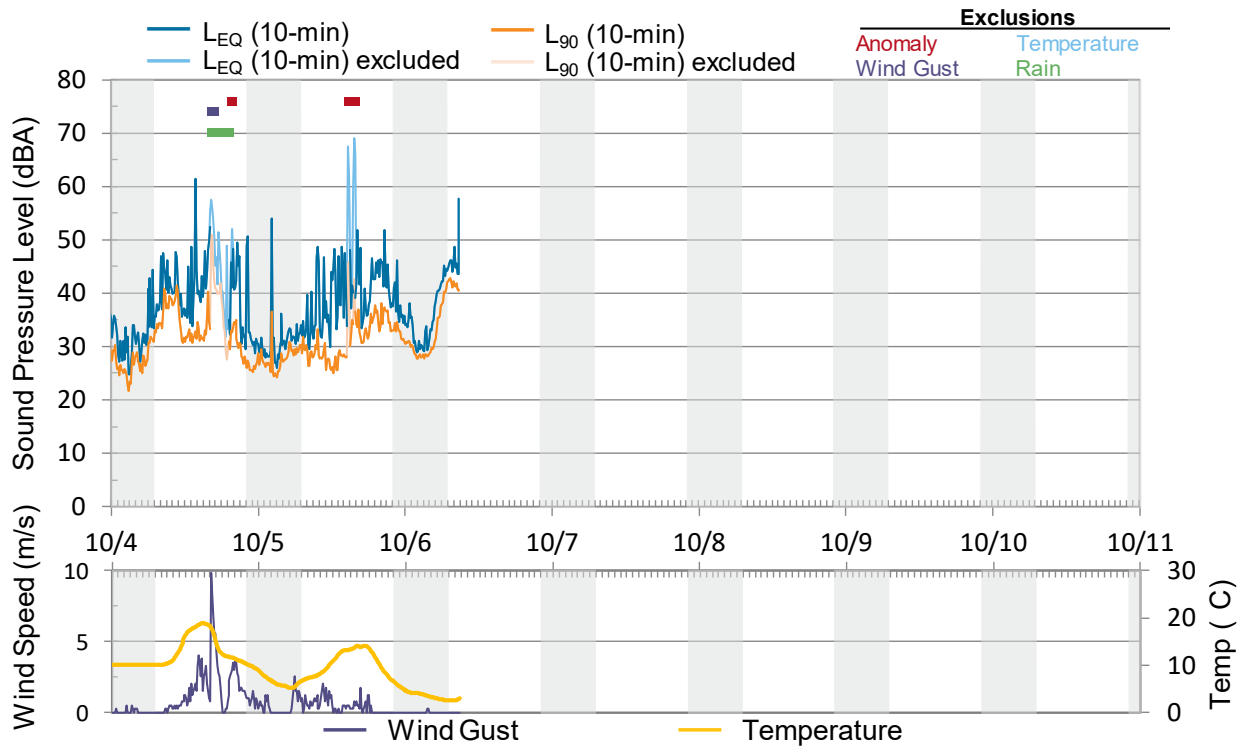


FIGURE 12: SOUND PRESSURE LEVELS OVER TIME - MONITOR B, OCTOBER 4 TO OCTOBER 6

Monitor C

Background sound level monitoring results for Monitor C are shown in Figure 13 through Figure 14. Background sound levels were driven by airplane overflights, car passbys, and distant train passbys. There was occasional operation of heavy equipment and yard maintenance equipment. Other sound sources included wind in foliage, birds and insects.

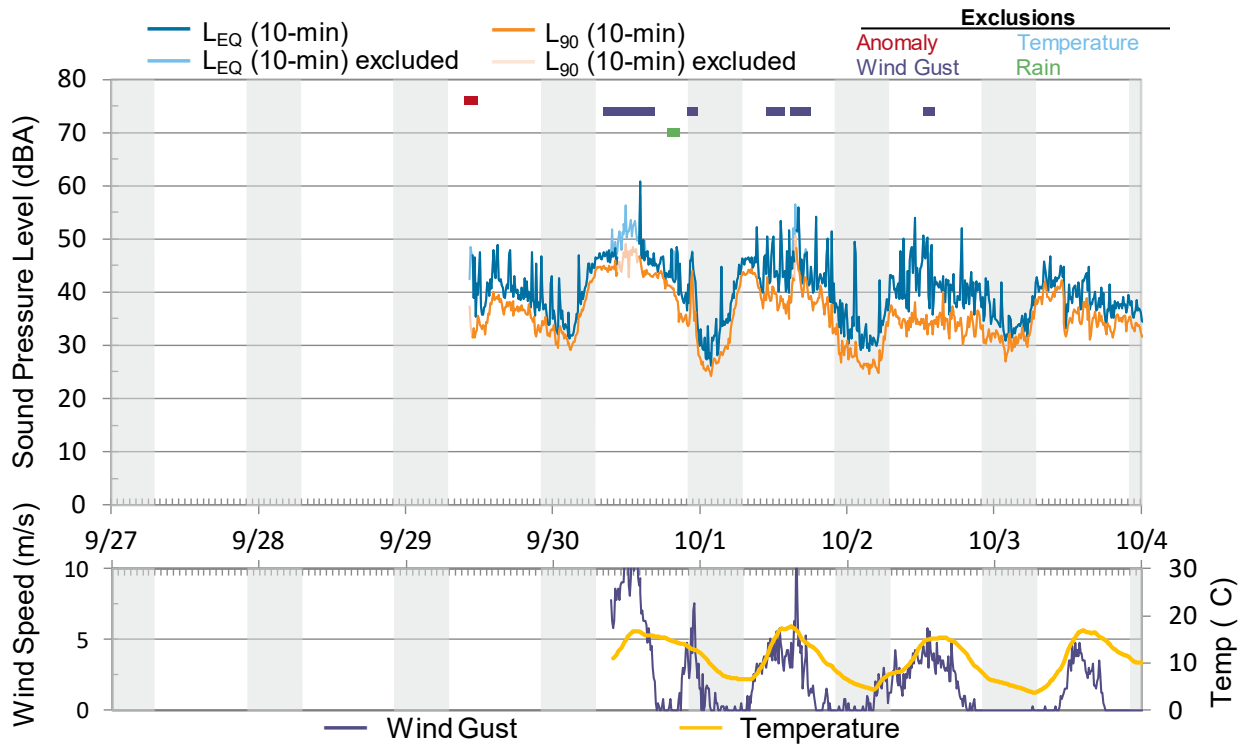


FIGURE 13: SOUND PRESSURE LEVELS OVER TIME - MONITOR C, SEPTEMBER 29 TO OCTOBER 4

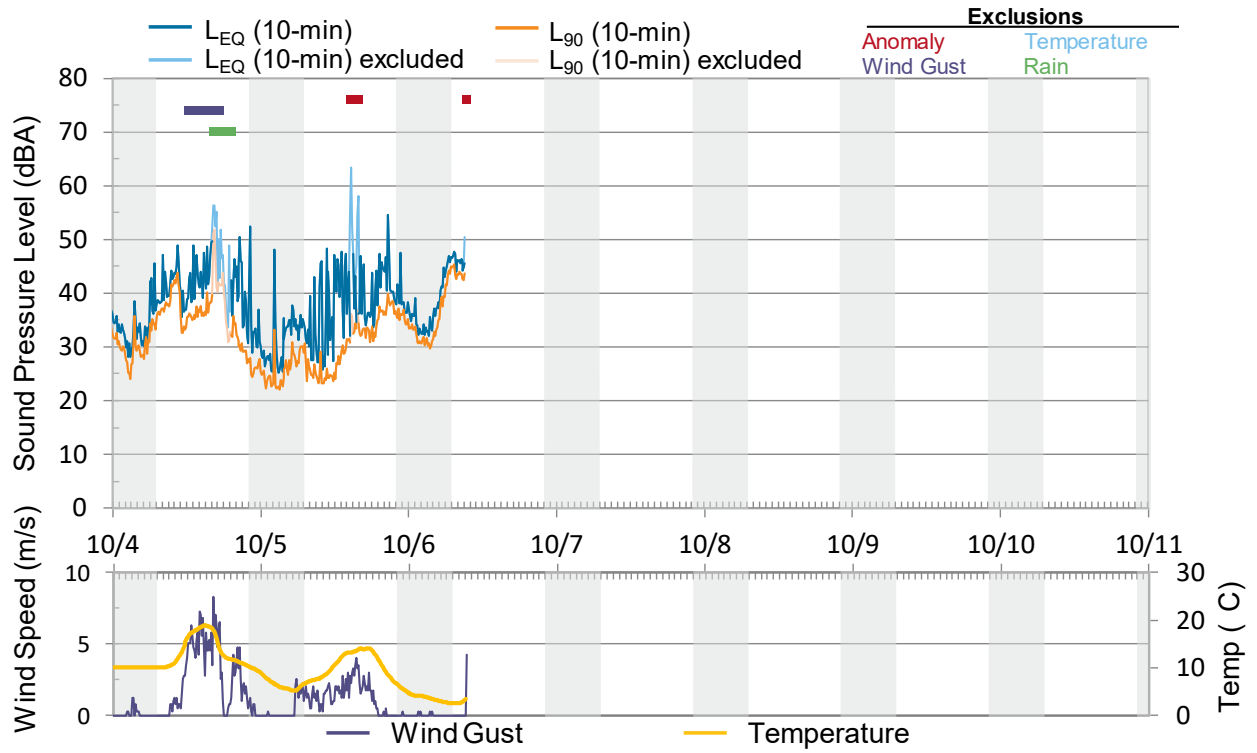


FIGURE 14: SOUND PRESSURE LEVELS OVER TIME - MONITOR C, OCTOBER 4 TO OCTOBER 6

5.0 SOUND PROPAGATION MODELING

5.1 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 also assumes downwind sound propagation between every source and every receiver, consequently, all wind directions, including the prevailing wind directions, are taken into account. Screening due to solar panels or vegetation were not taken into account for this project.

Model input parameters are listed in Appendix B including the modeled sound power spectra for each source. A few different inverters are currently being considered for the Project. This assessment provides the model result, assuming the Power Electronics FS-3430M inverter. Sound data for the inverter is based on a manufacturer specified sound pressure level, the dimensions of the inverter, and the spectrum from a similar size unit. Sound data for the substation transformer is based on a manufacturer (ABB) test of the transformer that is proposed for the Project along with added factors to compensate for load harmonics and uncertainty, and assuming the spectrum of a transformer tested by RSG. Data for the trackers is based on a manufacturer test. The inherent assumptions of ISO 9613-2 and how the model was setup will result in overall conservative results.

For the daytime configuration transformers, trackers, and inverters were set to operate and for the nighttime configuration, transformers and inverters were set to operate.

A total of 1,321 discrete receivers were placed in the model at residences surrounding the Project (an additional 18 were placed at non-residential locations). In addition, a grid of receivers spaced 20 meters by 20 meters was setup at a height of 4 meters above ground covering approximately 76 sq. km. (29 sq. mi.) around the Project Area.

5.2 MODEL RESULTS

A summary of the sound propagation model results is provided in Table 2, and Appendix C provides a list of the calculated overall sound pressure levels at each discrete receiver. As shown in Table 2, all residences are projected at 48.5 dBA or less during the day and 43.0 dBA or less at night, which are below the Project design thresholds of 49.8 dBA and 43.1 dBA, respectively. Sound levels at the project property lines range from 34 to 56 dBA for the daytime configuration and 33 to 49 dBA for the nighttime configuration.

TABLE 2: SUMMARY OF MODELED SOUND PRESSURE LEVELS

| | Daytime Sound Level (dBA) | | | Nighttime Sound Level (dBA) | | |
|---------------|---------------------------|------|------|-----------------------------|------|------|
| | Min | Avg | Max | Min | Avg | Max |
| All Receivers | 21.9 | 27.3 | 48.5 | 21.2 | 26.5 | 43.0 |

The highest sound levels at a residence during the daytime is at the residence just northeast of the proposed substation Location A. At this location, sound levels are primarily due to the substation transformer. At night the highest sound levels are found at the residence towards the northern part of the array just east of Watkins Road Southwest. Sound levels at this location are primarily due to nearby inverters. The modeling results given in Table 2 assume that barriers are installed at some inverters. These barriers are discussed further in Section 6.0.

A map of projected sound levels throughout the Project Area is provided in Figure 15 for the daytime configuration and Figure 16 for the nighttime configuration.

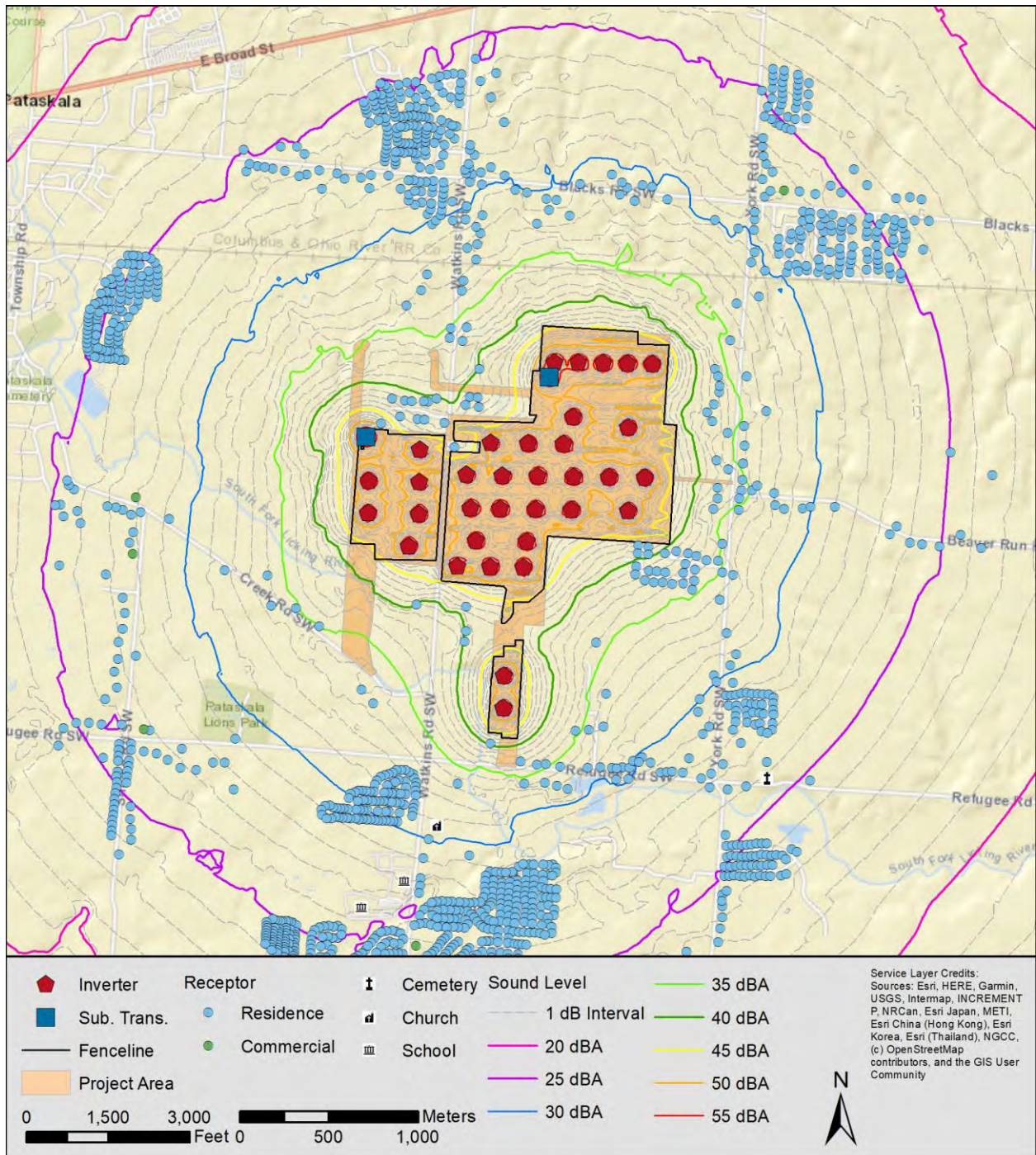


FIGURE 15: SOUND PROPAGATION MODEL RESULTS – DAYTIME CONFIGURATION WITH PROPOSED BARRIERS³

³ Although tracking motors were included in the sound propagation model, they are not shown in this figure to improve readability.

6.0 MITIGATION

The modeling results shown in Section 5.2 and Appendix C assume use of sound barriers around some inverters. Locations of these barriers are shown in Figure 17 along with the modeled heights. Most of the barriers will be located around inverters in the Watkins Road Southwest corridor, towards the northern part of the Project and one will be located near the southern part of the array, but still in the Watkins Road Southwest corridor. No barriers were modeled around the inverters. These barriers are assumed to be full height, that is they extend all the way to the ground for the entire length of the barrier. This represents an example of a feasible mitigation, but it is not the only option. Other options might include:

- Quieter inverters;
- Baffles; or
- Enclosures.

Similarly, the number and height of barriers may need to be adjusted if a different inverter is selected with different sound emissions. Once equipment and mitigation methods are finalized, modeling will be redone to ensure efficacy.

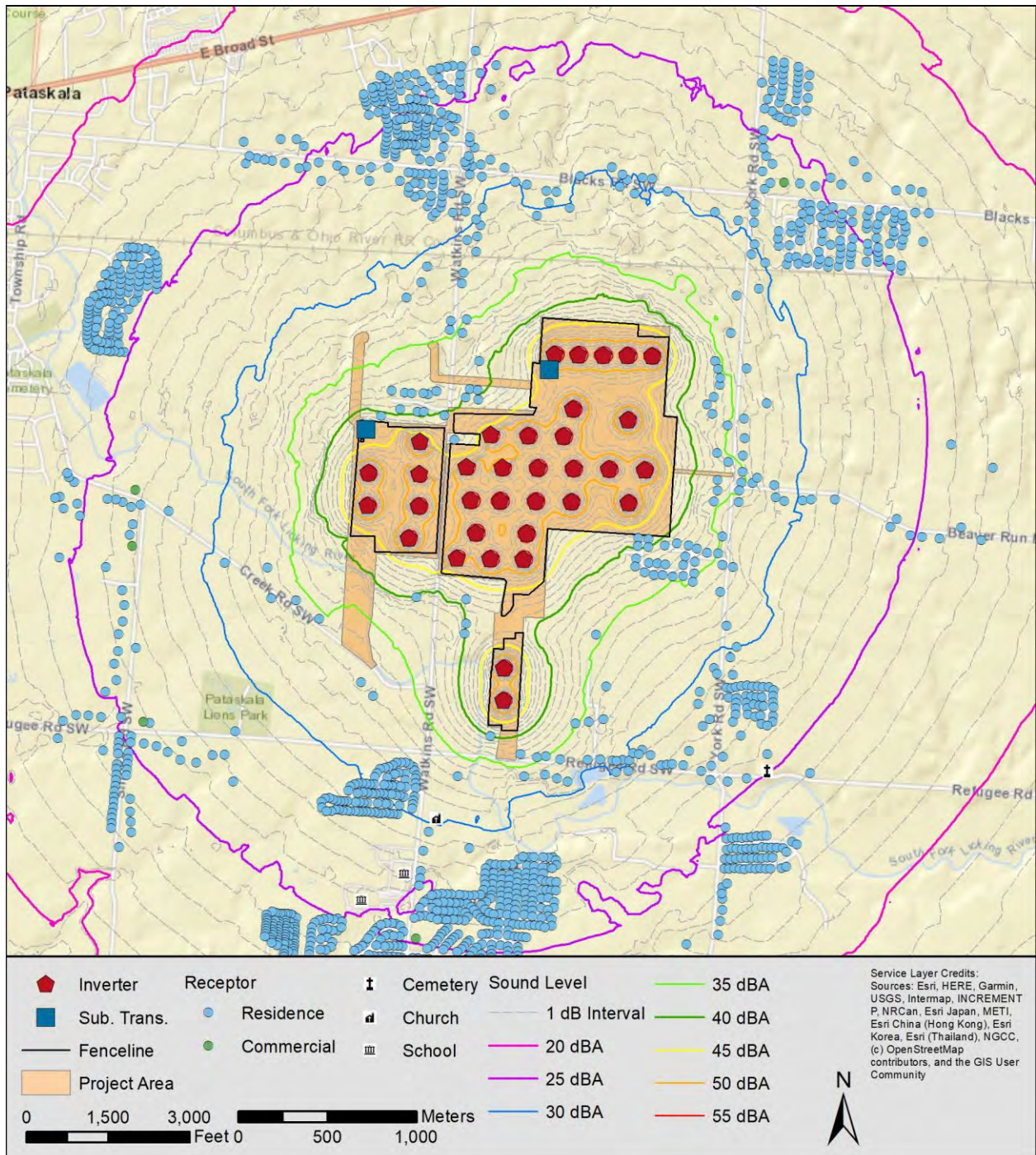


FIGURE 16: SOUND PROPAGATION MODELING RESULTS - NIGHTTIME CONFIGURATION WITH PROPOSED BARRIERS



FIGURE 17: SOUND BARRIER LOCATIONS INCLUDING MODELED BARRIER HEIGHT

7.0 CONSTRUCTION NOISE

Construction activities include road construction, substation construction, trenching, inverter installation, piling and racking. In any given area, construction will be relatively short in duration, particularly for road construction, trenching, piling, and racking. Construction of substations typically lasts longer than these other activities. Road construction will take place within and adjacent to the solar arrays. Trenching will take place along the underground collection line routes. Inverter installation would take place at each inverter pad location. And piling and racking will take place throughout the solar arrays.

Construction that involves increasing sound above ambient levels will take place between 7 AM and 7 PM or dusk, whichever is later. Pile driving will be limited to the hours of 9 AM to 7 PM, Monday through Friday. Construction equipment will be fitted with exhaust systems and mufflers to reduce exhaust noise. In addition, the material staging areas will be located away from sensitive receptors when feasible. To the extent possible, circular vehicular movements will be established to minimize the use of back alarms.

Equipment used for each activity will vary. Some of the louder pieces of equipment⁴ are shown in Table 3 along with the approximate maximum sound pressure levels at 15 meters (50 feet), 25 meters (82 feet) and 91 meters (300 feet). Twenty-five meters is the closest distance between a residence and a solar array where racking and piling will take place and 91 meters is a more typical distance between residences and the solar array.

⁴ Sound source information was obtained from FHWA's Roadway Construction Noise Model and manufacturer data.

TABLE 3: MAXIMUM SOUND LEVELS FROM VARIOUS TYPES OF CONSTRUCTION EQUIPMENT ASSUMING NO ATTENUATION FROM TREES OR TERRAIN

| Equipment | Maximum Sound Pressure Level at 25 meters (82 feet) (dBA)⁵ | Maximum Sound Pressure Level at 15 meters (50 feet) (dBA) | Maximum Sound Pressure Level at 91 meters (300 feet) (dBA) |
|-----------------------|--|--|---|
| Excavator | 76 | 85 | 62 |
| Dozer | 76 | 85 | 62 |
| Grader | 76 | 85 | 61 |
| Roller | 76 | 85 | 60 |
| Dump Truck | 75 | 84 | 60 |
| Concrete Mixing Truck | 76 | 85 | 61 |
| Concrete Pumper Truck | 73 | 82 | 58 |
| Man-lift | 76 | 85 | 62 |
| Flatbed Truck | 75 | 84 | 60 |
| Large Crane | 76 | 85 | 62 |
| Small Crane | 74 | 83 | 60 |
| Trencher | 72 | 83 | 54 |
| Compactor | 69 | 80 | 51 |
| Forklift | 75 | 85 | 59 |
| Boom Truck | 75 | 84 | 60 |
| Small Pile Driver | 73 | 84 | 55 |

⁵ Assumes hard ground around construction site, and ISO 9613-2 propagation with no vegetation reduction. Actual sound levels will likely be lower given the prevalence of vegetation and soft ground around the site.

8.0 CONCLUSIONS

RSG conducted a sound level assessment of the Project that included background sound level monitoring of the existing environment in and around the Project Area and sound propagation modeling to predict operational sound levels at nearby residences.

Summary and conclusions are as follows:

1. Sound sources in the existing soundscape include train passbys, traffic noise from both nearby roads, aircraft overflights, and biogenic and geophonic sounds.
 - a. Background sound levels were fairly consistent at all three monitors.
 - b. The average daytime L_{eq} across the Project Area was 44.8 dBA.
 - c. The average nighttime L_{eq} across the Project Area was 38.1 dBA.
2. Based on OPSB precedents, a Project design goal of 5 dB above existing L_{eq} was established, creating a daytime goal of 49.8 dBA and a nighttime goal of 43.1 dBA for non-participating residences.
3. While the Project transformers are typically the only sources that operate at night from a solar project, there may be times that the inverters for this Project will operate at night for MVAR control. As such, this assessment assumed:
 - a. All inverters would operate at night; and
 - b. Evaluated the projected sound levels from those sources against the nighttime goal of 43.1 dBA.
4. Sound propagation modeling was conducted in accordance with ISO 9613-2 at 1339 receivers throughout the Project Area.
5. Model results are summarized in Section 5.2, and provided in tabular format in Appendix C. All receivers are 48.5 dBA or less during the day and 43.0 dBA or less at night. These results assume use of noise barriers at a total of six inverter locations, as an example of a mitigation measure.
6. Sound levels at project property lines range from 34 to 56 dBA for the daytime configuration and 33 to 49 dBA for the nighttime configuration.
7. Sound levels due to construction are summarized in section 7.0.

APPENDIX A. ACOUSTICS PRIMER

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”).⁶ 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 18.

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.

⁶ 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.

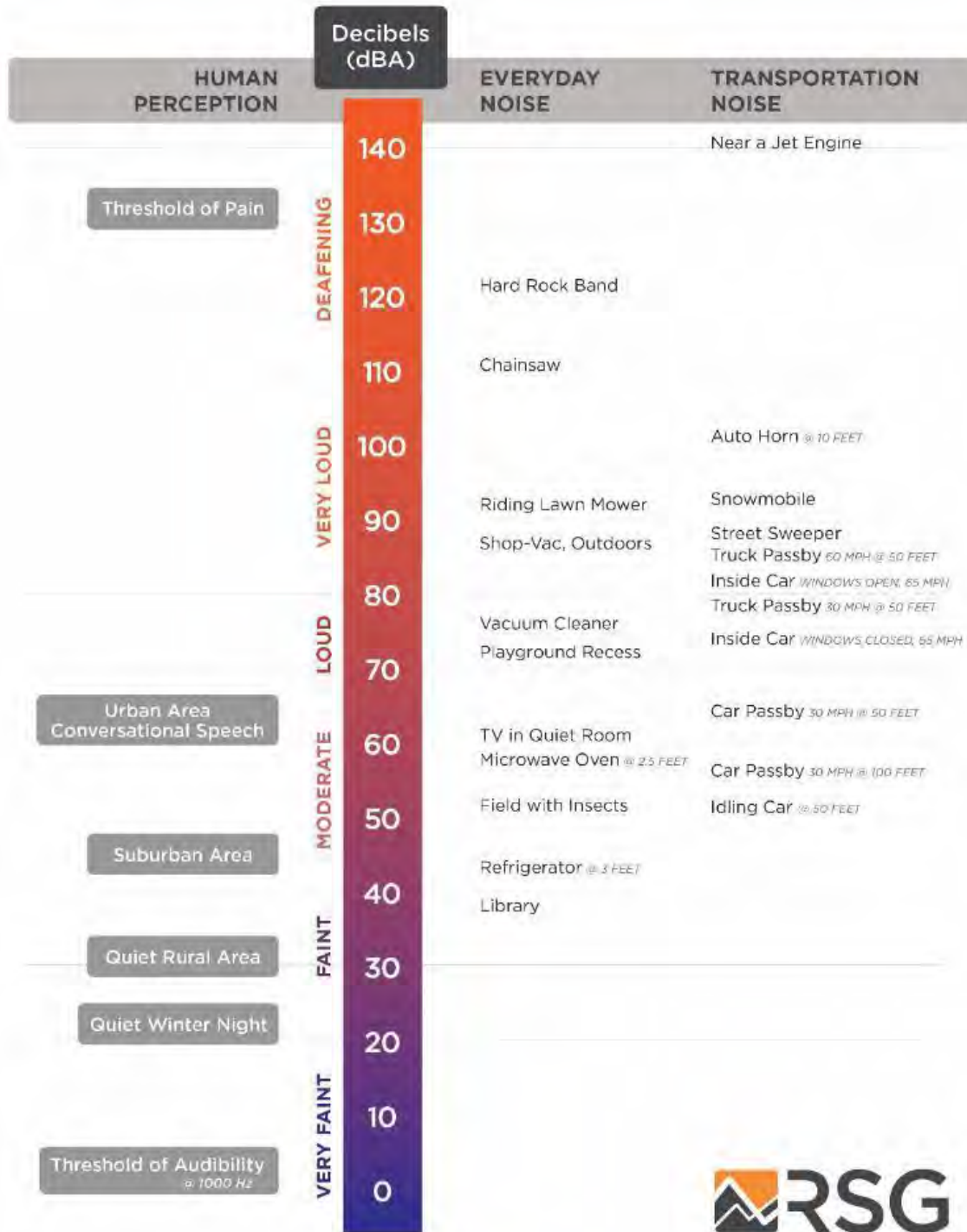


FIGURE 18: A SCALE OF SOUND PRESSURE LEVELS FOR TYPICAL SOUND SOURCES

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. 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.⁷ 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_{EQmax}.

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 19. 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

⁷ 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 19, 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.

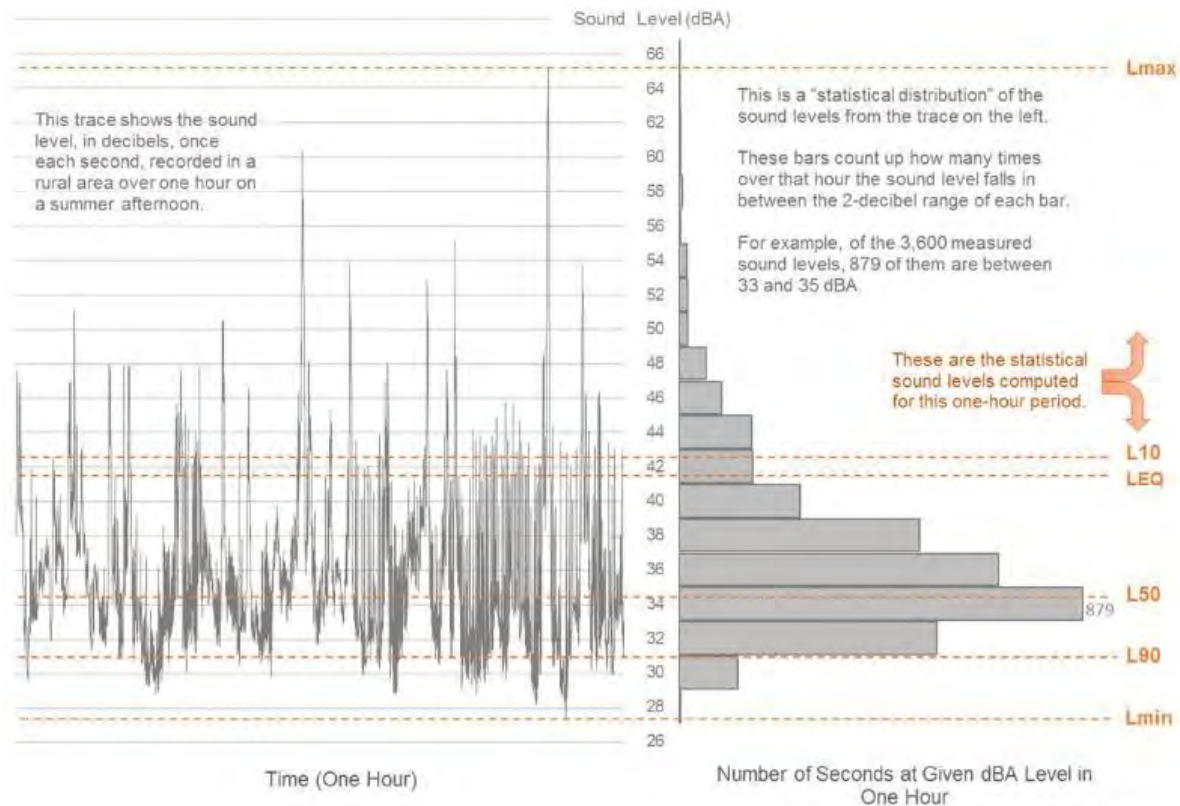


FIGURE 19: EXAMPLE OF DESCRIPTIVE TERMS OF SOUND MEASUREMENT OVER TIME

Percentile Sound Levels – L_n

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. L_{50} (the “median level”) is exceeded 50% of the time: half of the time the sound is louder than L_{50} , and half the time it is quieter than L_{50} . Note that L_{50} (median) and L_{EQ} (mean) are not always the same, for reasons described in the previous section.

L_{90} is often a good representation of the “ambient sound” in an area. This 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. MODEL INPUT DATA

TABLE 4: MODEL PARAMETER SETTINGS

| Model Parameter | Setting |
|------------------------|---|
| Atmospheric Absorption | Based on 10°C and 70% RH |
| Foliage | No Foliage Attenuation |
| Ground Absorption | ISO 9613-2 spectral, G=0 on concrete equipment pads, G=0.6 at substation, and G=1 elsewhere |
| Receiver Height | 4 meters for sound level isolines discrete receptors |
| Search Radius | 6,000 meters from each source |

TABLE 5: MODELED SOUND POWER SPECTRA, dBZ UNLESS OTHERWISE NOTED

| Sound Source | 1/1 Octave Band Frequency Sound Power (dBZ) | | | | | | | | | Sum (dBA) | Sum (dBZ) | Notes |
|------------------------------------|---|-------|--------|--------|--------|-------|-------|-------|-------|-----------|-----------|--|
| | 31.5 Hz | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz | | | |
| Power Electronics FS3430M Inverter | 88 | 92 | 102 | 100 | 96 | 93 | 90 | 93 | 84 | 100 | 106 | Sound Pressure from Manufacturer - Spectrum from Similar Unit |
| Transformer - ONAF Cooling | 106 | 103 | 106 | 97 | 95 | 90 | 82 | 82 | 76 | 100 | 112 | Sound Pressure Level from ABB Test - Spectrum from RSG Test of Similar Transformer |
| Transformer - ONAN Cooling | 91 | 85 | 96 | 85 | 79 | 74 | 68 | 70 | 65 | 86 | 100 | Sound Pressure Level from ABB Test - Spectrum from RSG Test of Similar Transformer |
| NexTracker Tracking Motor | | | | | 70 | | | | | 67 | 70 | Nextracker Test with 8% duty cycle |

TABLE 6: SOUND SOURCE INFORMATION

| Source ID | Source Type | Relative Height (m) | Coordinates (UTM NAD83Z17N) | | |
|---------------------------|------------------------|---------------------|-----------------------------|---------|-------|
| | | | X (m) | Y (m) | Z (m) |
| Inv01 | Inverter | 2 | 360162 | 4427993 | 312 |
| Inv02 | Inverter | 2 | 360295 | 4427991 | 314 |
| Inv03 | Inverter | 2 | 360433 | 4427988 | 315 |
| Inv04 | Inverter | 2 | 360571 | 4427986 | 315 |
| Inv05 | Inverter | 2 | 360709 | 4427983 | 318 |
| Inv06 | Inverter | 2 | 360266 | 4427686 | 311 |
| Inv07 | Inverter | 2 | 360574 | 4427625 | 308 |
| Inv08 | Inverter | 2 | 360255 | 4427165 | 306 |
| Inv09 | Inverter | 2 | 360575 | 4427159 | 307 |
| Inv10 | Inverter | 2 | 360212 | 4427534 | 310 |
| Inv11 | Inverter | 2 | 360003 | 4426988 | 301 |
| Inv12 | Inverter | 2 | 359667 | 4427362 | 302 |
| Inv13 | Inverter | 2 | 360067 | 4427355 | 309 |
| Inv14 | Inverter | 2 | 360267 | 4427351 | 308 |
| Inv15 | Inverter | 2 | 360667 | 4427345 | 309 |
| Inv16 | Inverter | 2 | 360012 | 4427537 | 309 |
| Inv17 | Inverter | 2 | 359804 | 4427541 | 309 |
| Inv18 | Inverter | 2 | 359867 | 4427358 | 305 |
| Inv19 | Inverter | 2 | 360055 | 4427168 | 305 |
| Inv20 | Inverter | 2 | 359801 | 4426845 | 301 |
| Inv21 | Inverter | 2 | 359855 | 4427171 | 302 |
| Inv22 | Inverter | 2 | 359719 | 4426992 | 301 |
| Inv23 | Inverter | 2 | 360467 | 4427348 | 309 |
| Inv24 | Inverter | 2 | 359614 | 4426848 | 300 |
| Inv25 | Inverter | 2 | 359691 | 4427174 | 302 |
| Inv26 | Inverter | 2 | 359987 | 4426842 | 301 |
| Inv27 | Inverter | 2 | 359878 | 4426233 | 297 |
| Inv28 | Inverter | 2 | 359875 | 4426052 | 295 |
| Inv29 | Inverter | 2 | 359403 | 4427322 | 300 |
| Inv30 | Inverter | 2 | 359117 | 4427327 | 299 |
| Inv32 | Inverter | 2 | 359113 | 4427146 | 298 |
| Inv33 | Inverter | 2 | 359400 | 4427141 | 299 |
| Inv34 | Inverter | 2 | 359344 | 4426961 | 299 |
| Inv31 | Inverter | 2 | 359406 | 4427503 | 303 |
| Transformer - SW Location | Substation Transformer | 3 | 359103 | 4427573 | 303 |

| Source ID | Source Type | Relative Height (m) | Coordinates (UTM NAD83Z17N) | | |
|---------------------------|------------------------|---------------------|-----------------------------|---------|-------|
| | | | X (m) | Y (m) | Z (m) |
| Transformer - NE Location | Substation Transformer | 3 | 360131 | 4427907 | 312 |

APPENDIX C. MODEL RESULTS FOR EACH RECEPTOR



FIGURE 20: MAP OF RECEIVER IDS – NORTHWEST VIEW

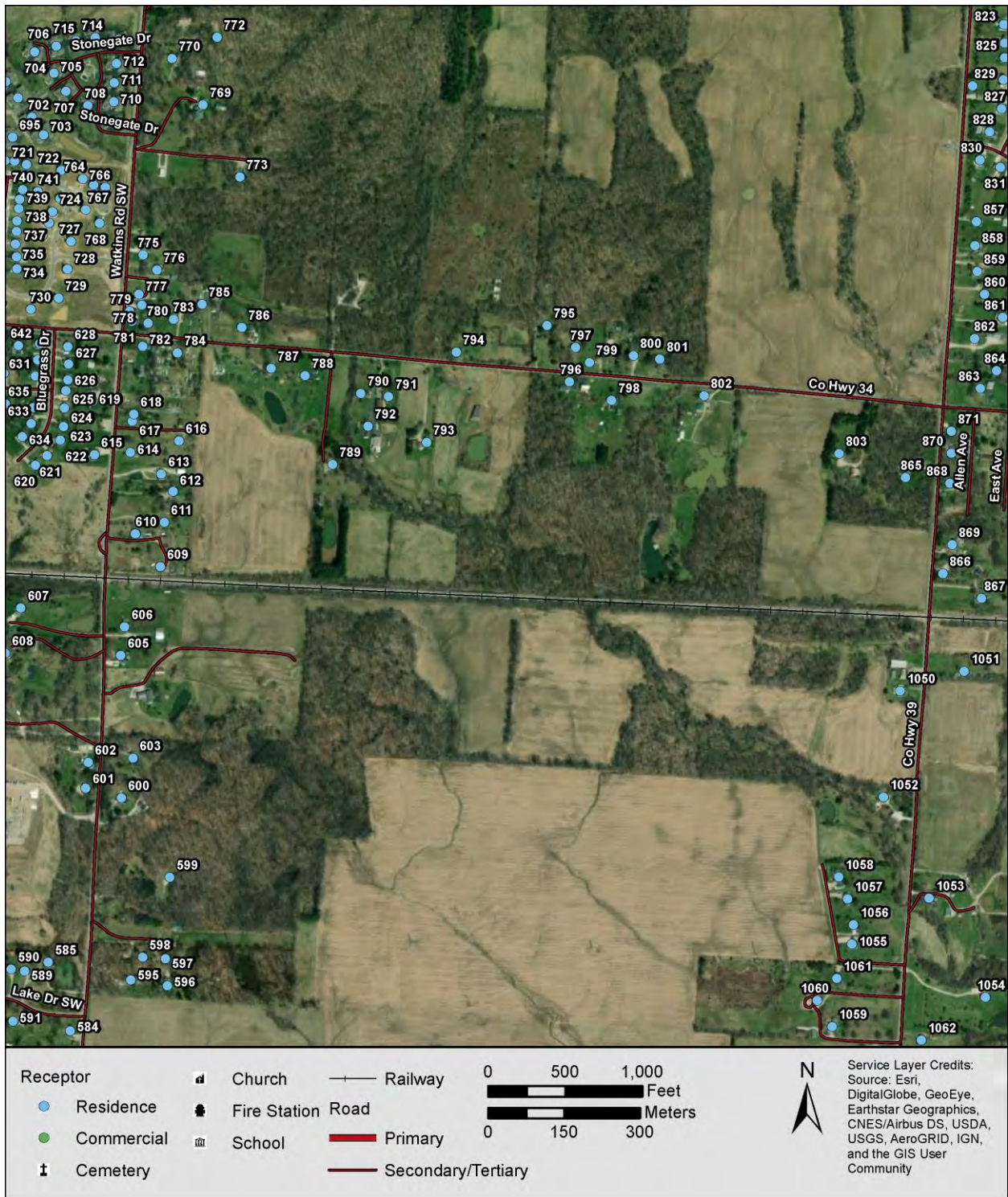


FIGURE 21: MAP OF RECEIVER IDS – NORTH CENTER VIEW



FIGURE 22: MAP OF RECEIVER IDS - NORTHEAST VIEW



FIGURE 23: MAP OF RECEIVER IDS - WEST-CENTER VIEW

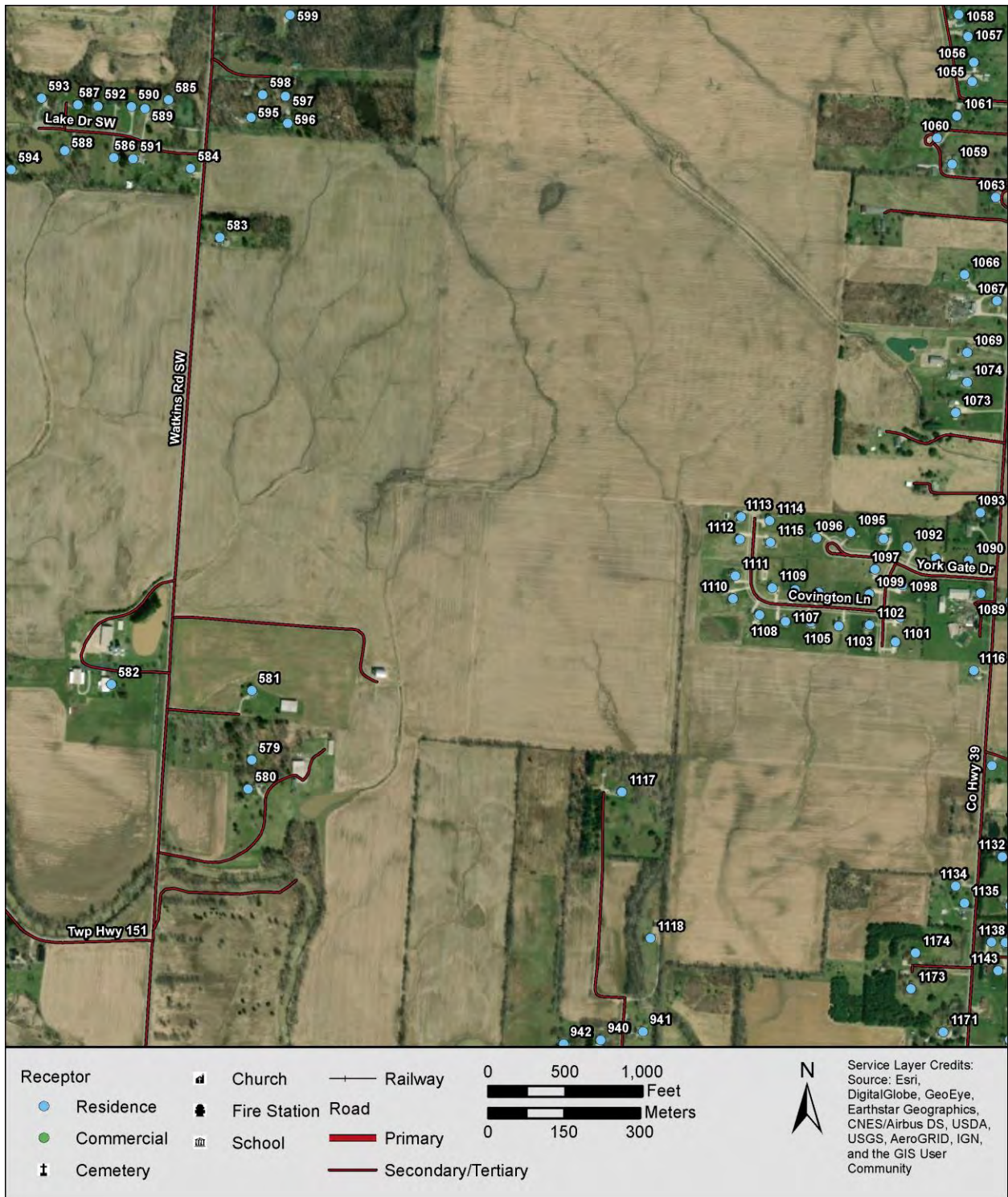


FIGURE 24: MAP OF RECEIVER IDS - CENTER VIEW



FIGURE 25: MAP OF RECEIVER IDS - EAST-CENTER VIEW



FIGURE 26: MAP OF RECEIVER IDS - SOUTHWEST VIEW

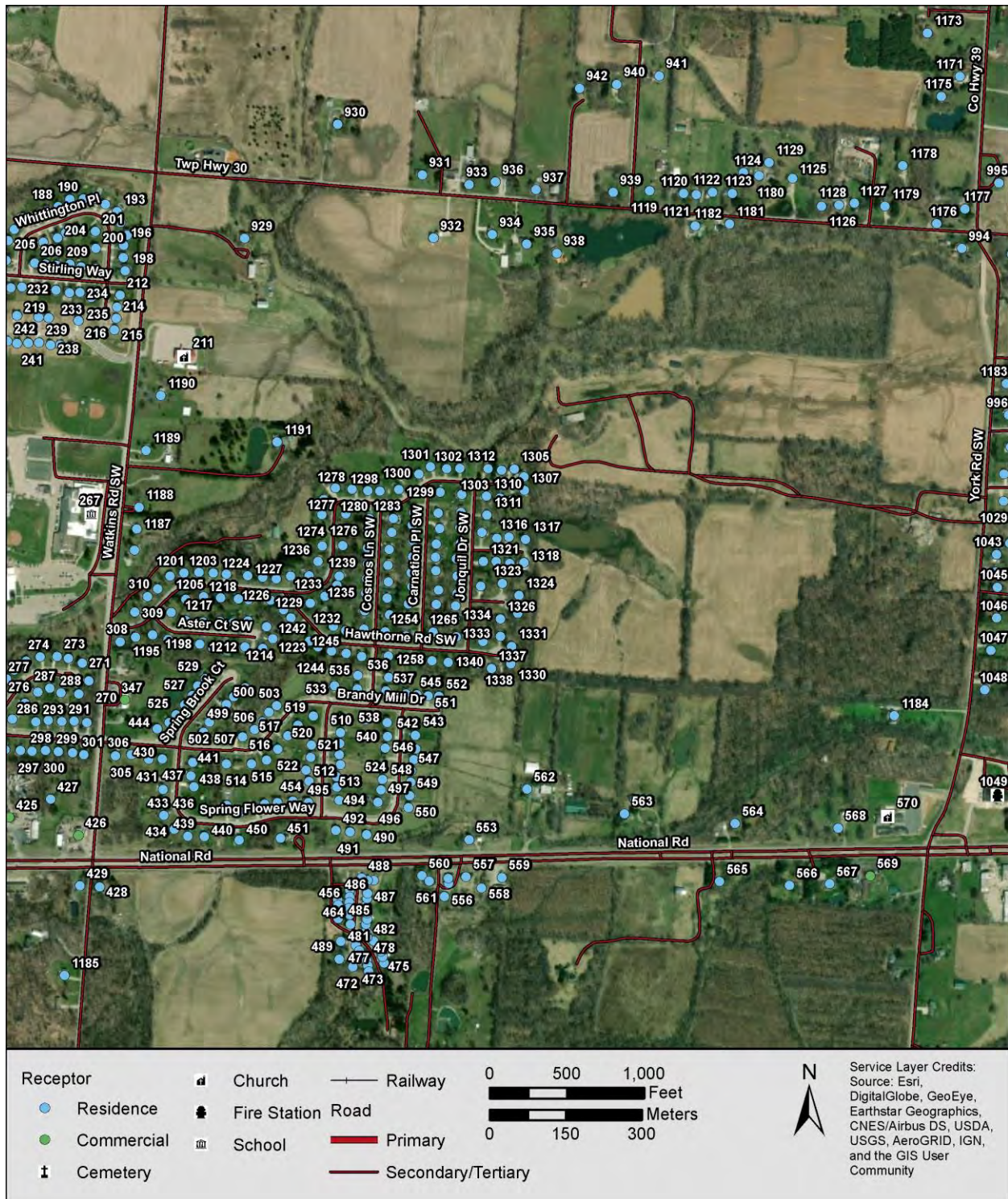


FIGURE 27: MAP OF RECEIVER IDS - SOUTH-CENTER VIEW



FIGURE 28: MAP OF RECEIVER IDS - SOUTHEAST VIEW

TABLE 7: MODEL RESULTS & RECEIVER COORDINATES

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 1 | Residence | 26 | 25 | 4 | 357713 | 4428107 | 306 |
| 2 | Residence | 26 | 25 | 4 | 357710 | 4428134 | 307 |
| 3 | Residence | 26 | 25 | 4 | 357709 | 4428162 | 307 |
| 4 | Residence | 26 | 25 | 4 | 357717 | 4428186 | 308 |
| 5 | Residence | 26 | 25 | 4 | 357738 | 4428197 | 308 |
| 6 | Residence | 26 | 24 | 4 | 357698 | 4428234 | 308 |
| 7 | Residence | 25 | 24 | 4 | 357683 | 4428212 | 308 |
| 8 | Residence | 26 | 24 | 4 | 357664 | 4428168 | 308 |
| 9 | Residence | 26 | 24 | 4 | 357663 | 4428141 | 307 |
| 10 | Residence | 26 | 24 | 4 | 357660 | 4428115 | 306 |
| 11 | Residence | 26 | 25 | 4 | 357658 | 4428092 | 306 |
| 12 | Residence | 26 | 25 | 4 | 357708 | 4428080 | 306 |
| 13 | Residence | 26 | 25 | 4 | 357714 | 4428048 | 305 |
| 14 | Residence | 26 | 24 | 4 | 357666 | 4428054 | 306 |
| 15 | Residence | 25 | 24 | 4 | 357647 | 4428054 | 306 |
| 16 | Residence | 25 | 24 | 4 | 357619 | 4428061 | 306 |
| 17 | Residence | 25 | 24 | 4 | 357596 | 4428073 | 306 |
| 18 | Residence | 25 | 24 | 4 | 357577 | 4428096 | 306 |
| 19 | Residence | 25 | 24 | 4 | 357578 | 4428117 | 306 |
| 20 | Residence | 25 | 24 | 4 | 357587 | 4428142 | 306 |
| 21 | Residence | 25 | 24 | 4 | 357588 | 4428162 | 306 |
| 22 | Residence | 25 | 24 | 4 | 357595 | 4428185 | 306 |
| 23 | Residence | 25 | 24 | 4 | 357593 | 4428208 | 307 |
| 24 | Residence | 25 | 24 | 4 | 357592 | 4428229 | 307 |
| 25 | Residence | 25 | 24 | 4 | 357598 | 4428251 | 307 |
| 26 | Residence | 25 | 24 | 4 | 357605 | 4428270 | 307 |
| 27 | Residence | 25 | 24 | 4 | 357630 | 4428287 | 308 |
| 28 | Residence | 25 | 24 | 4 | 357651 | 4428292 | 308 |
| 29 | Residence | 25 | 24 | 4 | 357675 | 4428287 | 308 |
| 30 | Residence | 26 | 25 | 4 | 357746 | 4428004 | 305 |
| 31 | Residence | 26 | 25 | 4 | 357719 | 4428004 | 305 |
| 32 | Residence | 26 | 25 | 4 | 357690 | 4428011 | 305 |
| 33 | Residence | 26 | 24 | 4 | 357665 | 4428008 | 305 |
| 34 | Residence | 26 | 24 | 4 | 357644 | 4428012 | 305 |
| 35 | Residence | 25 | 24 | 4 | 357608 | 4428012 | 306 |

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 36 | Residence | 25 | 24 | 4 | 357580 | 4428020 | 306 |
| 37 | Residence | 25 | 24 | 4 | 357559 | 4428031 | 306 |
| 38 | Residence | 25 | 24 | 4 | 357544 | 4428050 | 306 |
| 39 | Residence | 25 | 24 | 4 | 357537 | 4428072 | 306 |
| 40 | Residence | 25 | 24 | 4 | 357534 | 4428099 | 306 |
| 41 | Residence | 25 | 24 | 4 | 357538 | 4428123 | 306 |
| 42 | Residence | 24 | 23 | 4 | 357537 | 4428170 | 306 |
| 43 | Residence | 24 | 23 | 4 | 357543 | 4428193 | 306 |
| 44 | Residence | 24 | 23 | 4 | 357544 | 4428218 | 306 |
| 45 | Residence | 24 | 23 | 4 | 357543 | 4428238 | 306 |
| 46 | Residence | 24 | 23 | 4 | 357546 | 4428260 | 305 |
| 47 | Residence | 24 | 23 | 4 | 357551 | 4428287 | 305 |
| 48 | Residence | 25 | 23 | 4 | 357538 | 4428146 | 306 |
| 49 | Residence | 24 | 23 | 4 | 357578 | 4428319 | 307 |
| 50 | Residence | 25 | 24 | 4 | 357601 | 4428327 | 308 |
| 51 | Residence | 25 | 24 | 4 | 357625 | 4428336 | 308 |
| 52 | Residence | 25 | 24 | 4 | 357649 | 4428333 | 308 |
| 53 | Residence | 25 | 24 | 4 | 357671 | 4428332 | 308 |
| 54 | Residence | 25 | 24 | 4 | 357615 | 4428377 | 308 |
| 55 | Residence | 25 | 24 | 4 | 357645 | 4428387 | 308 |
| 56 | Residence | 25 | 24 | 4 | 357678 | 4428382 | 309 |
| 57 | Residence | 25 | 24 | 4 | 357724 | 4428348 | 308 |
| 58 | Residence | 25 | 24 | 4 | 357721 | 4428326 | 308 |
| 59 | Residence | 26 | 24 | 4 | 357718 | 4428294 | 308 |
| 60 | Residence | 26 | 24 | 4 | 357734 | 4428276 | 308 |
| 61 | Residence | 26 | 25 | 4 | 357768 | 4428244 | 308 |
| 62 | Residence | 26 | 25 | 4 | 357799 | 4428286 | 308 |
| 63 | Residence | 26 | 25 | 4 | 357818 | 4428307 | 308 |
| 64 | Residence | 26 | 25 | 4 | 357826 | 4428339 | 308 |
| 65 | Residence | 26 | 25 | 4 | 357825 | 4428375 | 308 |
| 66 | Residence | 26 | 25 | 4 | 357828 | 4428403 | 309 |
| 67 | Residence | 25 | 24 | 4 | 357777 | 4428404 | 309 |
| 68 | Residence | 26 | 24 | 4 | 357777 | 4428373 | 309 |
| 69 | Residence | 26 | 24 | 4 | 357766 | 4428339 | 308 |
| 70 | Residence | 25 | 24 | 4 | 357726 | 4428385 | 309 |
| 71 | Residence | 25 | 24 | 4 | 357728 | 4428412 | 309 |

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 72 | Residence | 25 | 24 | 4 | 357725 | 4428442 | 309 |
| 73 | Residence | 25 | 24 | 4 | 357718 | 4428470 | 309 |
| 74 | Residence | 25 | 24 | 4 | 357677 | 4428431 | 309 |
| 75 | Residence | 24 | 23 | 4 | 357639 | 4428440 | 308 |
| 76 | Residence | 25 | 23 | 4 | 357667 | 4428458 | 308 |
| 77 | Residence | 25 | 23 | 4 | 357704 | 4428497 | 309 |
| 78 | Residence | 25 | 24 | 4 | 357785 | 4428469 | 309 |
| 79 | Residence | 25 | 24 | 4 | 357779 | 4428436 | 309 |
| 80 | Residence | 26 | 24 | 4 | 357832 | 4428441 | 309 |
| 81 | Residence | 25 | 24 | 4 | 357842 | 4428475 | 309 |
| 82 | Residence | 25 | 24 | 4 | 357796 | 4428497 | 309 |
| 83 | Residence | 25 | 24 | 4 | 357830 | 4428537 | 309 |
| 84 | Residence | 25 | 24 | 4 | 357881 | 4428503 | 309 |
| 85 | Residence | 26 | 24 | 4 | 357884 | 4428473 | 309 |
| 86 | Residence | 26 | 24 | 4 | 357881 | 4428443 | 309 |
| 87 | Residence | 26 | 25 | 4 | 357875 | 4428412 | 309 |
| 88 | Residence | 26 | 25 | 4 | 357874 | 4428374 | 308 |
| 89 | Residence | 26 | 25 | 4 | 357926 | 4428357 | 309 |
| 90 | Residence | 26 | 25 | 4 | 357930 | 4428387 | 309 |
| 91 | Residence | 26 | 25 | 4 | 357930 | 4428423 | 309 |
| 92 | Residence | 26 | 25 | 4 | 357933 | 4428447 | 309 |
| 93 | Residence | 26 | 25 | 4 | 357932 | 4428480 | 309 |
| 94 | Residence | 26 | 24 | 4 | 357931 | 4428516 | 309 |
| 95 | Residence | 25 | 24 | 4 | 357791 | 4428541 | 309 |
| 96 | Residence | 25 | 23 | 4 | 357760 | 4428542 | 309 |
| 97 | Residence | 25 | 24 | 4 | 357918 | 4428550 | 310 |
| 98 | Residence | 25 | 24 | 4 | 357893 | 4428572 | 310 |
| 99 | Residence | 25 | 23 | 4 | 357863 | 4428585 | 309 |
| 100 | Residence | 25 | 23 | 4 | 357823 | 4428588 | 309 |
| 101 | Residence | 25 | 23 | 4 | 357795 | 4428590 | 309 |
| 102 | Residence | 25 | 23 | 4 | 357766 | 4428591 | 309 |
| 103 | Residence | 25 | 23 | 4 | 357728 | 4428542 | 309 |
| 104 | Commercial | 28 | 27 | 4 | 357810 | 4427232 | 302 |
| 105 | Residence | 25 | 24 | 4 | 357426 | 4427327 | 303 |
| 106 | Residence | 25 | 24 | 4 | 357434 | 4427301 | 303 |
| 107 | Residence | 26 | 25 | 4 | 357464 | 4427276 | 303 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 108 | Residence | 27 | 26 | 4 | 357650 | 4427181 | 302 |
| 109 | Residence | 27 | 26 | 4 | 357698 | 4427177 | 302 |
| 110 | Residence | 28 | 26 | 4 | 357736 | 4427163 | 302 |
| 111 | Residence | 28 | 27 | 4 | 357784 | 4427136 | 302 |
| 112 | Residence | 26 | 25 | 4 | 357481 | 4427155 | 303 |
| 113 | Residence | 25 | 24 | 4 | 357404 | 4427127 | 303 |
| 114 | Residence | 25 | 24 | 4 | 357385 | 4427192 | 303 |
| 115 | Residence | 25 | 24 | 4 | 357358 | 4427187 | 303 |
| 116 | Residence | 28 | 27 | 4 | 357838 | 4427149 | 302 |
| 117 | Residence | 26 | 25 | 4 | 357498 | 4427086 | 302 |
| 118 | Residence | 28 | 27 | 4 | 357794 | 4427037 | 302 |
| 119 | Residence | 28 | 27 | 4 | 357775 | 4426978 | 302 |
| 120 | Residence | 26 | 25 | 4 | 357381 | 4426851 | 306 |
| 121 | Residence | 27 | 26 | 4 | 357641 | 4426799 | 303 |
| 122 | Residence | 27 | 27 | 4 | 357735 | 4426668 | 302 |
| 123 | Residence | 27 | 27 | 4 | 357746 | 4426584 | 302 |
| 124 | Residence | 27 | 26 | 4 | 357709 | 4426326 | 306 |
| 125 | Residence | 28 | 27 | 4 | 357811 | 4426344 | 304 |
| 126 | Residence | 27 | 26 | 4 | 357713 | 4426421 | 304 |
| 127 | Residence | 27 | 26 | 4 | 357736 | 4426494 | 303 |
| 128 | Residence | 27 | 26 | 4 | 357688 | 4426255 | 307 |
| 129 | Residence | 27 | 26 | 4 | 357703 | 4426165 | 306 |
| 130 | Residence | 26 | 25 | 4 | 357638 | 4426099 | 307 |
| 131 | Residence | 25 | 25 | 4 | 357617 | 4425958 | 305 |
| 132 | Residence | 25 | 25 | 4 | 357545 | 4425967 | 307 |
| 133 | Residence | 25 | 24 | 4 | 357476 | 4425968 | 309 |
| 134 | Residence | 26 | 25 | 4 | 357728 | 4425957 | 305 |
| 135 | Residence | 24 | 24 | 4 | 357403 | 4425937 | 308 |
| 136 | Residence | 24 | 23 | 4 | 357374 | 4425839 | 307 |
| 137 | Residence | 26 | 25 | 4 | 357715 | 4425849 | 306 |
| 138 | Residence | 26 | 25 | 4 | 357713 | 4425815 | 307 |
| 139 | Residence | 26 | 25 | 4 | 357712 | 4425782 | 307 |
| 140 | Residence | 26 | 25 | 4 | 357709 | 4425753 | 308 |
| 141 | Residence | 26 | 25 | 4 | 357770 | 4425757 | 307 |
| 142 | Residence | 26 | 25 | 4 | 357782 | 4425815 | 307 |
| 143 | Residence | 26 | 25 | 4 | 357784 | 4425850 | 307 |

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 144 | Residence | 26 | 26 | 4 | 357855 | 4425808 | 307 |
| 145 | Residence | 25 | 24 | 4 | 357627 | 4425770 | 307 |
| 146 | Residence | 26 | 25 | 4 | 357768 | 4425723 | 308 |
| 147 | Residence | 25 | 25 | 4 | 357760 | 4425664 | 309 |
| 148 | Residence | 25 | 24 | 4 | 357700 | 4425667 | 309 |
| 149 | Residence | 25 | 24 | 4 | 357705 | 4425694 | 308 |
| 150 | Residence | 25 | 24 | 4 | 357703 | 4425635 | 309 |
| 151 | Residence | 25 | 24 | 4 | 357700 | 4425603 | 310 |
| 152 | Residence | 25 | 24 | 4 | 357695 | 4425572 | 310 |
| 153 | Residence | 25 | 24 | 4 | 357689 | 4425541 | 310 |
| 154 | Residence | 25 | 24 | 4 | 357688 | 4425510 | 310 |
| 155 | Residence | 25 | 24 | 4 | 357780 | 4425497 | 309 |
| 156 | Residence | 26 | 25 | 4 | 357763 | 4425696 | 308 |
| 157 | Residence | 25 | 24 | 4 | 357758 | 4425632 | 309 |
| 158 | Residence | 24 | 24 | 4 | 357687 | 4425481 | 310 |
| 159 | Residence | 24 | 23 | 4 | 357677 | 4425420 | 310 |
| 160 | Residence | 25 | 24 | 4 | 357777 | 4425427 | 310 |
| 161 | Residence | 24 | 24 | 4 | 357782 | 4425371 | 310 |
| 162 | Residence | 24 | 23 | 4 | 357676 | 4425394 | 310 |
| 163 | Residence | 24 | 23 | 4 | 357675 | 4425361 | 310 |
| 164 | Residence | 24 | 23 | 4 | 357671 | 4425334 | 311 |
| 165 | Residence | 24 | 23 | 4 | 357784 | 4425310 | 310 |
| 166 | Commercial | 27 | 26 | 4 | 357854 | 4425931 | 306 |
| 167 | Residence | 24 | 23 | 4 | 357715 | 4425229 | 312 |
| 168 | Residence | 24 | 23 | 4 | 357683 | 4425451 | 310 |
| 169 | Residence | 27 | 26 | 4 | 357926 | 4425793 | 306 |
| 170 | Residence | 27 | 26 | 4 | 357988 | 4425760 | 306 |
| 171 | Residence | 27 | 27 | 4 | 358069 | 4425821 | 305 |
| 172 | Residence | 27 | 26 | 4 | 358059 | 4425716 | 306 |
| 173 | Residence | 27 | 26 | 4 | 358149 | 4425703 | 306 |
| 174 | Residence | 28 | 27 | 4 | 358241 | 4425745 | 304 |
| 175 | Residence | 28 | 27 | 4 | 358309 | 4425745 | 303 |
| 176 | Residence | 28 | 27 | 4 | 358357 | 4425594 | 306 |
| 177 | Residence | 29 | 28 | 4 | 358368 | 4425877 | 302 |
| 178 | Residence | 30 | 30 | 4 | 359058 | 4425586 | 300 |
| 179 | Residence | 31 | 30 | 4 | 359080 | 4425586 | 300 |

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 180 | Residence | 31 | 30 | 4 | 359103 | 4425584 | 300 |
| 181 | Residence | 31 | 30 | 4 | 359125 | 4425580 | 299 |
| 182 | Residence | 31 | 30 | 4 | 359147 | 4425582 | 299 |
| 183 | Residence | 31 | 30 | 4 | 359151 | 4425621 | 299 |
| 184 | Residence | 31 | 31 | 4 | 359163 | 4425643 | 298 |
| 185 | Residence | 31 | 31 | 4 | 359181 | 4425665 | 297 |
| 186 | Residence | 31 | 31 | 4 | 359206 | 4425672 | 297 |
| 187 | Residence | 32 | 31 | 4 | 359228 | 4425679 | 297 |
| 188 | Residence | 32 | 31 | 4 | 359250 | 4425688 | 296 |
| 189 | Residence | 32 | 31 | 4 | 359273 | 4425702 | 296 |
| 190 | Residence | 32 | 31 | 4 | 359299 | 4425703 | 295 |
| 191 | Residence | 32 | 32 | 4 | 359322 | 4425703 | 295 |
| 192 | Residence | 32 | 32 | 4 | 359343 | 4425692 | 295 |
| 193 | Residence | 32 | 32 | 4 | 359366 | 4425678 | 296 |
| 194 | Residence | 32 | 32 | 4 | 359373 | 4425656 | 297 |
| 195 | Residence | 32 | 32 | 4 | 359386 | 4425631 | 297 |
| 196 | Residence | 32 | 31 | 4 | 359378 | 4425612 | 297 |
| 197 | Residence | 32 | 31 | 4 | 359378 | 4425587 | 297 |
| 198 | Residence | 31 | 31 | 4 | 359382 | 4425561 | 297 |
| 199 | Residence | 31 | 31 | 4 | 359324 | 4425566 | 297 |
| 200 | Residence | 32 | 31 | 4 | 359324 | 4425605 | 297 |
| 201 | Residence | 32 | 31 | 4 | 359323 | 4425639 | 297 |
| 202 | Residence | 32 | 31 | 4 | 359285 | 4425645 | 297 |
| 203 | Residence | 31 | 31 | 4 | 359265 | 4425636 | 297 |
| 204 | Residence | 31 | 31 | 4 | 359249 | 4425626 | 297 |
| 205 | Residence | 31 | 31 | 4 | 359220 | 4425618 | 298 |
| 206 | Residence | 31 | 30 | 4 | 359204 | 4425576 | 298 |
| 207 | Residence | 31 | 30 | 4 | 359225 | 4425574 | 298 |
| 208 | Residence | 31 | 31 | 4 | 359247 | 4425572 | 298 |
| 209 | Residence | 31 | 31 | 4 | 359273 | 4425574 | 298 |
| 210 | Residence | 31 | 31 | 4 | 359295 | 4425569 | 298 |
| 211 | Church | 31 | 30 | 4 | 359498 | 4425392 | 300 |
| 212 | Residence | 31 | 31 | 4 | 359372 | 4425513 | 298 |
| 213 | Residence | 31 | 31 | 4 | 359366 | 4425489 | 298 |
| 214 | Residence | 31 | 31 | 4 | 359364 | 4425467 | 299 |
| 215 | Residence | 31 | 30 | 4 | 359361 | 4425444 | 300 |

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 216 | Residence | 31 | 30 | 4 | 359290 | 4425463 | 300 |
| 217 | Residence | 31 | 30 | 4 | 359231 | 4425468 | 301 |
| 218 | Residence | 30 | 30 | 4 | 359211 | 4425470 | 301 |
| 219 | Residence | 30 | 30 | 4 | 359169 | 4425473 | 301 |
| 220 | Residence | 30 | 30 | 4 | 359109 | 4425478 | 302 |
| 221 | Residence | 30 | 29 | 4 | 359088 | 4425478 | 302 |
| 222 | Residence | 30 | 29 | 4 | 359067 | 4425480 | 302 |
| 223 | Residence | 30 | 29 | 4 | 359045 | 4425480 | 303 |
| 224 | Residence | 30 | 30 | 4 | 359056 | 4425529 | 302 |
| 225 | Residence | 30 | 30 | 4 | 359087 | 4425535 | 301 |
| 226 | Residence | 30 | 30 | 4 | 359109 | 4425533 | 301 |
| 227 | Residence | 30 | 30 | 4 | 359135 | 4425528 | 300 |
| 228 | Residence | 31 | 30 | 4 | 359156 | 4425528 | 300 |
| 229 | Residence | 31 | 30 | 4 | 359178 | 4425529 | 300 |
| 230 | Residence | 31 | 30 | 4 | 359201 | 4425526 | 300 |
| 231 | Residence | 31 | 30 | 4 | 359226 | 4425524 | 299 |
| 232 | Residence | 31 | 30 | 4 | 359246 | 4425523 | 299 |
| 233 | Residence | 31 | 30 | 4 | 359272 | 4425518 | 299 |
| 234 | Residence | 31 | 30 | 4 | 359293 | 4425519 | 299 |
| 235 | Residence | 31 | 30 | 4 | 359315 | 4425508 | 299 |
| 236 | Residence | 30 | 30 | 4 | 359279 | 4425411 | 301 |
| 237 | Residence | 30 | 30 | 4 | 359254 | 4425414 | 302 |
| 238 | Residence | 30 | 30 | 4 | 359235 | 4425415 | 302 |
| 239 | Residence | 30 | 30 | 4 | 359212 | 4425419 | 302 |
| 240 | Residence | 30 | 30 | 4 | 359190 | 4425419 | 301 |
| 241 | Residence | 30 | 29 | 4 | 359169 | 4425418 | 301 |
| 242 | Residence | 30 | 29 | 4 | 359149 | 4425422 | 301 |
| 243 | Residence | 30 | 29 | 4 | 359126 | 4425423 | 302 |
| 244 | Residence | 30 | 29 | 4 | 359104 | 4425425 | 302 |
| 245 | Residence | 30 | 29 | 4 | 359083 | 4425426 | 302 |
| 246 | Residence | 30 | 29 | 4 | 359061 | 4425425 | 302 |
| 247 | Residence | 29 | 29 | 4 | 359042 | 4425429 | 303 |
| 248 | Residence | 29 | 29 | 4 | 359011 | 4425429 | 303 |
| 249 | Residence | 29 | 29 | 4 | 358996 | 4425434 | 303 |
| 250 | Residence | 29 | 29 | 4 | 358971 | 4425433 | 303 |
| 251 | Residence | 29 | 29 | 4 | 358950 | 4425437 | 304 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 252 | Residence | 29 | 29 | 4 | 358931 | 4425438 | 304 |
| 253 | Residence | 29 | 28 | 4 | 358908 | 4425429 | 304 |
| 254 | Residence | 29 | 28 | 4 | 358881 | 4425430 | 304 |
| 255 | Residence | 29 | 28 | 4 | 358853 | 4425451 | 304 |
| 256 | Residence | 29 | 28 | 4 | 358852 | 4425482 | 303 |
| 257 | Residence | 29 | 29 | 4 | 358871 | 4425500 | 302 |
| 258 | Residence | 29 | 29 | 4 | 358897 | 4425503 | 302 |
| 259 | Residence | 29 | 29 | 4 | 358917 | 4425493 | 303 |
| 260 | Residence | 29 | 29 | 4 | 358938 | 4425489 | 303 |
| 261 | Residence | 30 | 29 | 4 | 358958 | 4425486 | 303 |
| 262 | Residence | 30 | 29 | 4 | 358975 | 4425485 | 303 |
| 263 | Residence | 30 | 29 | 4 | 358998 | 4425484 | 303 |
| 264 | Residence | 30 | 29 | 4 | 359004 | 4425545 | 301 |
| 265 | Residence | 30 | 30 | 4 | 359015 | 4425568 | 301 |
| 266 | Residence | 30 | 30 | 4 | 359039 | 4425579 | 300 |
| 267 | School | 28 | 27 | 4 | 359315 | 4425081 | 302 |
| 268 | School | 26 | 26 | 4 | 359076 | 4424932 | 303 |
| 269 | Residence | 26 | 25 | 4 | 359290 | 4424727 | 307 |
| 270 | Residence | 26 | 25 | 4 | 359310 | 4424753 | 307 |
| 271 | Residence | 26 | 26 | 4 | 359297 | 4424788 | 305 |
| 272 | Residence | 26 | 26 | 4 | 359270 | 4424797 | 304 |
| 273 | Residence | 26 | 26 | 4 | 359247 | 4424801 | 303 |
| 274 | Residence | 26 | 25 | 4 | 359214 | 4424800 | 303 |
| 275 | Residence | 25 | 25 | 4 | 359187 | 4424792 | 302 |
| 276 | Residence | 25 | 25 | 4 | 359163 | 4424774 | 303 |
| 277 | Residence | 25 | 25 | 4 | 359148 | 4424756 | 303 |
| 278 | Residence | 25 | 25 | 4 | 359128 | 4424733 | 304 |
| 279 | Residence | 25 | 24 | 4 | 359111 | 4424716 | 304 |
| 280 | Residence | 25 | 25 | 4 | 359098 | 4424691 | 306 |
| 281 | Residence | 25 | 24 | 4 | 359080 | 4424673 | 307 |
| 282 | Residence | 25 | 24 | 4 | 359056 | 4424658 | 306 |
| 283 | Residence | 25 | 24 | 4 | 359034 | 4424647 | 305 |
| 284 | Residence | 25 | 25 | 4 | 359159 | 4424677 | 307 |
| 285 | Residence | 26 | 25 | 4 | 359184 | 4424709 | 306 |
| 286 | Residence | 26 | 25 | 4 | 359210 | 4424730 | 306 |
| 287 | Residence | 26 | 25 | 4 | 359233 | 4424738 | 306 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 288 | Residence | 26 | 25 | 4 | 359256 | 4424729 | 307 |
| 289 | Residence | 25 | 25 | 4 | 359306 | 4424671 | 309 |
| 290 | Residence | 25 | 25 | 4 | 359281 | 4424674 | 308 |
| 291 | Residence | 25 | 25 | 4 | 359257 | 4424673 | 308 |
| 292 | Residence | 25 | 25 | 4 | 359230 | 4424675 | 308 |
| 293 | Residence | 25 | 25 | 4 | 359205 | 4424672 | 308 |
| 294 | Residence | 25 | 24 | 4 | 359119 | 4424624 | 308 |
| 295 | Residence | 25 | 24 | 4 | 359145 | 4424617 | 309 |
| 296 | Residence | 25 | 24 | 4 | 359175 | 4424616 | 310 |
| 297 | Residence | 25 | 24 | 4 | 359198 | 4424614 | 310 |
| 298 | Residence | 25 | 24 | 4 | 359225 | 4424615 | 310 |
| 299 | Residence | 25 | 24 | 4 | 359250 | 4424613 | 309 |
| 300 | Residence | 25 | 25 | 4 | 359278 | 4424611 | 309 |
| 301 | Residence | 25 | 25 | 4 | 359300 | 4424607 | 309 |
| 302 | Residence | 25 | 24 | 4 | 359078 | 4424598 | 308 |
| 303 | Residence | 25 | 24 | 4 | 359085 | 4424570 | 309 |
| 304 | Residence | 24 | 24 | 4 | 359081 | 4424542 | 311 |
| 305 | Residence | 25 | 25 | 4 | 359363 | 4424605 | 307 |
| 306 | Residence | 25 | 25 | 4 | 359394 | 4424607 | 307 |
| 307 | Residence | 25 | 25 | 4 | 359429 | 4424598 | 308 |
| 308 | Residence | 26 | 26 | 4 | 359372 | 4424830 | 304 |
| 309 | Residence | 27 | 26 | 4 | 359401 | 4424888 | 301 |
| 310 | Residence | 27 | 26 | 4 | 359426 | 4424919 | 301 |
| 311 | Residence | 25 | 25 | 4 | 358942 | 4424761 | 306 |
| 312 | Residence | 25 | 25 | 4 | 358964 | 4424779 | 305 |
| 313 | Residence | 24 | 23 | 4 | 358796 | 4424497 | 310 |
| 314 | Residence | 23 | 23 | 4 | 358829 | 4424502 | 307 |
| 315 | Residence | 24 | 23 | 4 | 358770 | 4424544 | 312 |
| 316 | Residence | 24 | 23 | 4 | 358841 | 4424535 | 307 |
| 317 | Residence | 25 | 24 | 4 | 358845 | 4424653 | 309 |
| 318 | Residence | 25 | 24 | 4 | 358876 | 4424650 | 308 |
| 319 | Residence | 25 | 24 | 4 | 358904 | 4424667 | 307 |
| 320 | Residence | 25 | 24 | 4 | 358913 | 4424695 | 307 |
| 321 | Residence | 25 | 24 | 4 | 358883 | 4424722 | 307 |
| 322 | Residence | 25 | 24 | 4 | 358847 | 4424713 | 309 |
| 323 | Residence | 25 | 25 | 4 | 358856 | 4424766 | 308 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 324 | Residence | 25 | 25 | 4 | 358885 | 4424770 | 307 |
| 325 | Residence | 26 | 25 | 4 | 358943 | 4424828 | 306 |
| 326 | Residence | 26 | 25 | 4 | 358965 | 4424811 | 305 |
| 327 | Residence | 26 | 25 | 4 | 358918 | 4424822 | 307 |
| 328 | Residence | 26 | 25 | 4 | 358893 | 4424829 | 307 |
| 329 | Residence | 25 | 25 | 4 | 358865 | 4424826 | 308 |
| 330 | Residence | 25 | 25 | 4 | 358839 | 4424819 | 308 |
| 331 | Residence | 25 | 25 | 4 | 358811 | 4424803 | 308 |
| 332 | Residence | 25 | 24 | 4 | 358798 | 4424778 | 309 |
| 333 | Residence | 25 | 24 | 4 | 358794 | 4424749 | 309 |
| 334 | Residence | 25 | 24 | 4 | 358792 | 4424724 | 309 |
| 335 | Residence | 25 | 24 | 4 | 358792 | 4424699 | 309 |
| 336 | Residence | 25 | 24 | 4 | 358790 | 4424673 | 310 |
| 337 | Residence | 24 | 24 | 4 | 358783 | 4424646 | 311 |
| 338 | Residence | 24 | 24 | 4 | 358784 | 4424625 | 311 |
| 339 | Residence | 24 | 23 | 4 | 358783 | 4424595 | 311 |
| 340 | Residence | 24 | 23 | 4 | 358780 | 4424568 | 311 |
| 341 | Residence | 24 | 23 | 4 | 358835 | 4424564 | 309 |
| 342 | Residence | 25 | 25 | 4 | 358913 | 4424760 | 306 |
| 343 | Residence | 24 | 23 | 4 | 359056 | 4424441 | 313 |
| 344 | Residence | 24 | 23 | 4 | 359080 | 4424467 | 312 |
| 345 | Residence | 24 | 24 | 4 | 359086 | 4424491 | 312 |
| 346 | Residence | 24 | 24 | 4 | 359088 | 4424520 | 311 |
| 347 | Commercial | 26 | 25 | 4 | 359381 | 4424715 | 307 |
| 348 | Residence | 24 | 23 | 4 | 358732 | 4424505 | 314 |
| 349 | Residence | 24 | 23 | 4 | 358721 | 4424566 | 313 |
| 350 | Residence | 24 | 23 | 4 | 358718 | 4424586 | 313 |
| 351 | Residence | 24 | 23 | 4 | 358693 | 4424631 | 312 |
| 352 | Residence | 24 | 24 | 4 | 358693 | 4424644 | 312 |
| 353 | Residence | 24 | 24 | 4 | 358693 | 4424659 | 311 |
| 354 | Residence | 24 | 23 | 4 | 358664 | 4424642 | 312 |
| 355 | Residence | 24 | 23 | 4 | 358640 | 4424652 | 312 |
| 356 | Residence | 24 | 23 | 4 | 358640 | 4424630 | 312 |
| 357 | Residence | 24 | 23 | 4 | 358641 | 4424615 | 313 |
| 358 | Residence | 24 | 23 | 4 | 358690 | 4424565 | 313 |
| 359 | Residence | 24 | 24 | 4 | 358696 | 4424671 | 311 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 360 | Residence | 24 | 24 | 4 | 358699 | 4424686 | 311 |
| 361 | Residence | 24 | 24 | 4 | 358700 | 4424706 | 310 |
| 362 | Residence | 25 | 24 | 4 | 358697 | 4424718 | 310 |
| 363 | Residence | 25 | 24 | 4 | 358700 | 4424734 | 310 |
| 364 | Residence | 25 | 24 | 4 | 358701 | 4424749 | 309 |
| 365 | Residence | 25 | 24 | 4 | 358703 | 4424764 | 309 |
| 366 | Residence | 25 | 24 | 4 | 358702 | 4424779 | 309 |
| 367 | Residence | 25 | 24 | 4 | 358704 | 4424794 | 309 |
| 368 | Residence | 25 | 24 | 4 | 358676 | 4424808 | 309 |
| 369 | Residence | 25 | 24 | 4 | 358711 | 4424829 | 309 |
| 370 | Residence | 25 | 24 | 4 | 358691 | 4424846 | 308 |
| 371 | Residence | 25 | 24 | 4 | 358680 | 4424850 | 309 |
| 372 | Residence | 25 | 24 | 4 | 358663 | 4424853 | 309 |
| 373 | Residence | 25 | 24 | 4 | 358651 | 4424855 | 309 |
| 374 | Residence | 25 | 24 | 4 | 358632 | 4424854 | 309 |
| 375 | Residence | 25 | 24 | 4 | 358619 | 4424855 | 309 |
| 376 | Residence | 25 | 24 | 4 | 358603 | 4424857 | 309 |
| 377 | Residence | 25 | 24 | 4 | 358590 | 4424859 | 309 |
| 378 | Residence | 25 | 24 | 4 | 358577 | 4424865 | 309 |
| 379 | Residence | 25 | 24 | 4 | 358543 | 4424847 | 309 |
| 380 | Residence | 25 | 24 | 4 | 358544 | 4424827 | 309 |
| 381 | Residence | 25 | 24 | 4 | 358546 | 4424816 | 310 |
| 382 | Residence | 25 | 24 | 4 | 358543 | 4424801 | 310 |
| 383 | Residence | 24 | 24 | 4 | 358539 | 4424786 | 310 |
| 384 | Residence | 24 | 24 | 4 | 358539 | 4424772 | 310 |
| 385 | Residence | 24 | 24 | 4 | 358539 | 4424757 | 310 |
| 386 | Residence | 24 | 24 | 4 | 358538 | 4424741 | 310 |
| 387 | Residence | 24 | 24 | 4 | 358605 | 4424691 | 311 |
| 388 | Residence | 24 | 24 | 4 | 358606 | 4424705 | 311 |
| 389 | Residence | 24 | 24 | 4 | 358605 | 4424721 | 311 |
| 390 | Residence | 24 | 24 | 4 | 358605 | 4424737 | 310 |
| 391 | Residence | 24 | 24 | 4 | 358608 | 4424752 | 310 |
| 392 | Residence | 25 | 24 | 4 | 358607 | 4424768 | 310 |
| 393 | Residence | 25 | 24 | 4 | 358609 | 4424782 | 310 |
| 394 | Residence | 25 | 24 | 4 | 358612 | 4424797 | 310 |
| 395 | Residence | 25 | 24 | 4 | 358613 | 4424811 | 310 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|----------------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 396 | Residence | 25 | 24 | 4 | 358590 | 4424815 | 310 |
| 397 | Residence | 25 | 24 | 4 | 358580 | 4424797 | 310 |
| 398 | Residence | 25 | 24 | 4 | 358577 | 4424784 | 310 |
| 399 | Residence | 24 | 24 | 4 | 358575 | 4424767 | 310 |
| 400 | Residence | 24 | 24 | 4 | 358578 | 4424749 | 310 |
| 401 | Residence | 24 | 24 | 4 | 358574 | 4424736 | 310 |
| 402 | Residence | 24 | 24 | 4 | 358568 | 4424720 | 311 |
| 403 | Residence | 24 | 23 | 4 | 358570 | 4424705 | 311 |
| 404 | Residence | 24 | 23 | 4 | 358573 | 4424690 | 311 |
| 405 | Residence | 24 | 23 | 4 | 358601 | 4424677 | 311 |
| 406 | Residence | 24 | 23 | 4 | 358535 | 4424726 | 310 |
| 407 | Residence | 25 | 24 | 4 | 358651 | 4424816 | 309 |
| 408 | Residence | 25 | 24 | 4 | 358651 | 4424801 | 309 |
| 409 | Residence | 25 | 24 | 4 | 358652 | 4424785 | 309 |
| 410 | Residence | 25 | 24 | 4 | 358649 | 4424771 | 309 |
| 411 | Residence | 25 | 24 | 4 | 358648 | 4424754 | 310 |
| 412 | Residence | 25 | 24 | 4 | 358647 | 4424740 | 310 |
| 413 | Residence | 24 | 24 | 4 | 358646 | 4424724 | 310 |
| 414 | Residence | 24 | 24 | 4 | 358644 | 4424710 | 310 |
| 415 | Residence | 24 | 24 | 4 | 358643 | 4424695 | 311 |
| 416 | Residence | 24 | 24 | 4 | 358642 | 4424682 | 311 |
| 417 | Residence | 24 | 24 | 4 | 358666 | 4424685 | 311 |
| 418 | Residence | 25 | 24 | 4 | 358667 | 4424726 | 310 |
| 419 | Residence | 25 | 24 | 4 | 358670 | 4424753 | 309 |
| 420 | Residence | 25 | 24 | 4 | 358670 | 4424781 | 309 |
| 421 | Abandoned Commercial | 23 | 23 | 4 | 359031 | 4424351 | 316 |
| 422 | Abandoned Commercial | 24 | 23 | 4 | 359138 | 4424352 | 313 |
| 423 | Abandoned Commercial | 23 | 23 | 4 | 359088 | 4424335 | 314 |
| 424 | Residence | 24 | 23 | 4 | 358919 | 4424452 | 312 |
| 425 | Commercial | 24 | 24 | 4 | 359153 | 4424484 | 312 |
| 426 | Commercial | 24 | 24 | 4 | 359290 | 4424448 | 311 |
| 427 | Residence | 25 | 24 | 4 | 359235 | 4424519 | 311 |
| 428 | Residence | 24 | 23 | 4 | 359331 | 4424346 | 314 |
| 429 | Residence | 24 | 23 | 4 | 359292 | 4424348 | 313 |
| 430 | Residence | 25 | 25 | 4 | 359455 | 4424599 | 307 |
| 431 | Residence | 25 | 24 | 4 | 359456 | 4424539 | 308 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 432 | Residence | 25 | 24 | 4 | 359454 | 4424512 | 308 |
| 433 | Residence | 25 | 24 | 4 | 359458 | 4424487 | 309 |
| 434 | Residence | 25 | 24 | 4 | 359479 | 4424460 | 308 |
| 435 | Residence | 25 | 24 | 4 | 359512 | 4424513 | 307 |
| 436 | Residence | 25 | 24 | 4 | 359517 | 4424544 | 307 |
| 437 | Residence | 25 | 24 | 4 | 359512 | 4424565 | 307 |
| 438 | Residence | 25 | 25 | 4 | 359515 | 4424592 | 307 |
| 439 | Residence | 24 | 24 | 4 | 359505 | 4424447 | 308 |
| 440 | Residence | 24 | 24 | 4 | 359538 | 4424446 | 309 |
| 441 | Residence | 25 | 25 | 4 | 359581 | 4424588 | 307 |
| 442 | Residence | 26 | 25 | 4 | 359536 | 4424651 | 306 |
| 443 | Residence | 26 | 25 | 4 | 359469 | 4424670 | 306 |
| 444 | Residence | 26 | 25 | 4 | 359445 | 4424658 | 306 |
| 445 | Residence | 25 | 24 | 4 | 359582 | 4424507 | 309 |
| 446 | Residence | 25 | 24 | 4 | 359609 | 4424495 | 308 |
| 447 | Residence | 25 | 24 | 4 | 359636 | 4424502 | 308 |
| 448 | Residence | 25 | 24 | 4 | 359657 | 4424509 | 308 |
| 449 | Residence | 25 | 24 | 4 | 359682 | 4424513 | 307 |
| 450 | Residence | 24 | 24 | 4 | 359607 | 4424439 | 310 |
| 451 | Residence | 24 | 24 | 4 | 359688 | 4424442 | 309 |
| 452 | Residence | 25 | 24 | 4 | 359713 | 4424515 | 306 |
| 453 | Residence | 25 | 24 | 4 | 359743 | 4424513 | 305 |
| 454 | Residence | 25 | 25 | 4 | 359745 | 4424554 | 305 |
| 455 | Residence | 23 | 22 | 4 | 359801 | 4424321 | 308 |
| 456 | Residence | 22 | 22 | 4 | 359801 | 4424310 | 307 |
| 457 | Residence | 22 | 21 | 4 | 359802 | 4424298 | 306 |
| 458 | Residence | 22 | 22 | 4 | 359802 | 4424284 | 307 |
| 459 | Residence | 23 | 22 | 4 | 359824 | 4424340 | 306 |
| 460 | Residence | 22 | 22 | 4 | 359824 | 4424327 | 305 |
| 461 | Residence | 22 | 21 | 4 | 359824 | 4424316 | 305 |
| 462 | Residence | 22 | 22 | 4 | 359823 | 4424304 | 305 |
| 463 | Residence | 22 | 22 | 4 | 359825 | 4424291 | 306 |
| 464 | Residence | 22 | 22 | 4 | 359826 | 4424272 | 306 |
| 465 | Residence | 22 | 22 | 4 | 359807 | 4424239 | 307 |
| 466 | Residence | 23 | 22 | 4 | 359837 | 4424231 | 307 |
| 467 | Residence | 23 | 23 | 4 | 359843 | 4424220 | 307 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 468 | Residence | 23 | 23 | 4 | 359850 | 4424210 | 308 |
| 469 | Residence | 23 | 23 | 4 | 359858 | 4424201 | 308 |
| 470 | Residence | 23 | 23 | 4 | 359860 | 4424191 | 308 |
| 471 | Residence | 23 | 22 | 4 | 359862 | 4424179 | 308 |
| 472 | Residence | 23 | 22 | 4 | 359831 | 4424189 | 309 |
| 473 | Residence | 23 | 23 | 4 | 359893 | 4424197 | 307 |
| 474 | Residence | 23 | 23 | 4 | 359889 | 4424209 | 307 |
| 475 | Residence | 23 | 23 | 4 | 359886 | 4424219 | 307 |
| 476 | Residence | 23 | 23 | 4 | 359880 | 4424230 | 306 |
| 477 | Residence | 23 | 22 | 4 | 359871 | 4424240 | 306 |
| 478 | Residence | 23 | 22 | 4 | 359859 | 4424247 | 306 |
| 479 | Residence | 23 | 22 | 4 | 359857 | 4424259 | 306 |
| 480 | Residence | 22 | 22 | 4 | 359857 | 4424273 | 305 |
| 481 | Residence | 22 | 22 | 4 | 359859 | 4424282 | 305 |
| 482 | Residence | 22 | 22 | 4 | 359859 | 4424295 | 305 |
| 483 | Residence | 22 | 21 | 4 | 359857 | 4424310 | 305 |
| 484 | Residence | 22 | 22 | 4 | 359859 | 4424324 | 305 |
| 485 | Residence | 22 | 22 | 4 | 359859 | 4424333 | 305 |
| 486 | Residence | 24 | 23 | 4 | 359872 | 4424360 | 306 |
| 487 | Residence | 24 | 23 | 4 | 359860 | 4424359 | 306 |
| 488 | Residence | 24 | 23 | 4 | 359848 | 4424364 | 306 |
| 489 | Residence | 23 | 22 | 4 | 359804 | 4424204 | 309 |
| 490 | Residence | 25 | 24 | 4 | 359858 | 4424449 | 306 |
| 491 | Residence | 25 | 24 | 4 | 359825 | 4424454 | 306 |
| 492 | Residence | 25 | 24 | 4 | 359797 | 4424458 | 306 |
| 493 | Residence | 25 | 24 | 4 | 359804 | 4424517 | 305 |
| 494 | Residence | 25 | 25 | 4 | 359799 | 4424543 | 305 |
| 495 | Residence | 25 | 25 | 4 | 359799 | 4424564 | 305 |
| 496 | Residence | 25 | 24 | 4 | 359880 | 4424514 | 304 |
| 497 | Residence | 25 | 24 | 4 | 359886 | 4424538 | 304 |
| 498 | Residence | 26 | 26 | 4 | 359618 | 4424739 | 304 |
| 499 | Residence | 26 | 26 | 4 | 359596 | 4424722 | 305 |
| 500 | Residence | 26 | 25 | 4 | 359581 | 4424706 | 305 |
| 501 | Residence | 26 | 25 | 4 | 359566 | 4424690 | 305 |
| 502 | Residence | 26 | 25 | 4 | 359548 | 4424671 | 306 |
| 503 | Residence | 26 | 25 | 4 | 359680 | 4424704 | 303 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 504 | Residence | 26 | 25 | 4 | 359665 | 4424691 | 304 |
| 505 | Residence | 26 | 25 | 4 | 359653 | 4424672 | 305 |
| 506 | Residence | 26 | 25 | 4 | 359637 | 4424657 | 305 |
| 507 | Residence | 26 | 25 | 4 | 359614 | 4424642 | 306 |
| 508 | Residence | 26 | 25 | 4 | 359856 | 4424675 | 304 |
| 509 | Residence | 26 | 25 | 4 | 359807 | 4424679 | 304 |
| 510 | Residence | 26 | 25 | 4 | 359806 | 4424651 | 304 |
| 511 | Residence | 26 | 25 | 4 | 359805 | 4424629 | 305 |
| 512 | Residence | 25 | 25 | 4 | 359804 | 4424607 | 305 |
| 513 | Residence | 25 | 25 | 4 | 359806 | 4424587 | 305 |
| 514 | Residence | 25 | 25 | 4 | 359631 | 4424589 | 308 |
| 515 | Residence | 25 | 25 | 4 | 359660 | 4424596 | 308 |
| 516 | Residence | 26 | 25 | 4 | 359683 | 4424618 | 307 |
| 517 | Residence | 26 | 25 | 4 | 359702 | 4424645 | 305 |
| 518 | Residence | 26 | 25 | 4 | 359722 | 4424665 | 304 |
| 519 | Residence | 26 | 25 | 4 | 359753 | 4424683 | 304 |
| 520 | Residence | 26 | 25 | 4 | 359749 | 4424626 | 305 |
| 521 | Residence | 25 | 25 | 4 | 359747 | 4424602 | 305 |
| 522 | Residence | 25 | 25 | 4 | 359738 | 4424577 | 306 |
| 523 | Residence | 25 | 25 | 4 | 359885 | 4424582 | 304 |
| 524 | Residence | 25 | 25 | 4 | 359889 | 4424558 | 304 |
| 525 | Residence | 26 | 25 | 4 | 359482 | 4424686 | 305 |
| 526 | Residence | 26 | 25 | 4 | 359499 | 4424705 | 305 |
| 527 | Residence | 26 | 25 | 4 | 359514 | 4424724 | 305 |
| 528 | Residence | 26 | 26 | 4 | 359525 | 4424743 | 305 |
| 529 | Residence | 26 | 26 | 4 | 359541 | 4424757 | 305 |
| 530 | Residence | 26 | 26 | 4 | 359560 | 4424774 | 305 |
| 531 | Residence | 26 | 26 | 4 | 359753 | 4424740 | 304 |
| 532 | Residence | 26 | 26 | 4 | 359775 | 4424741 | 304 |
| 533 | Residence | 26 | 26 | 4 | 359795 | 4424742 | 304 |
| 534 | Residence | 26 | 26 | 4 | 359840 | 4424736 | 304 |
| 535 | Residence | 26 | 26 | 4 | 359841 | 4424763 | 304 |
| 536 | Residence | 26 | 26 | 4 | 359901 | 4424760 | 303 |
| 537 | Residence | 26 | 26 | 4 | 359896 | 4424733 | 304 |
| 538 | Residence | 26 | 25 | 4 | 359898 | 4424671 | 304 |
| 539 | Residence | 26 | 25 | 4 | 359899 | 4424643 | 304 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 540 | Residence | 26 | 25 | 4 | 359894 | 4424620 | 304 |
| 541 | Residence | 26 | 25 | 4 | 359955 | 4424618 | 304 |
| 542 | Residence | 26 | 25 | 4 | 359954 | 4424645 | 304 |
| 543 | Residence | 26 | 25 | 4 | 359955 | 4424667 | 304 |
| 544 | Residence | 26 | 26 | 4 | 359936 | 4424726 | 304 |
| 545 | Residence | 26 | 26 | 4 | 359957 | 4424725 | 304 |
| 546 | Residence | 25 | 25 | 4 | 359951 | 4424597 | 304 |
| 547 | Residence | 25 | 25 | 4 | 359946 | 4424575 | 304 |
| 548 | Residence | 25 | 25 | 4 | 359945 | 4424553 | 304 |
| 549 | Residence | 25 | 24 | 4 | 359943 | 4424526 | 304 |
| 550 | Residence | 25 | 24 | 4 | 359940 | 4424502 | 303 |
| 551 | Residence | 26 | 26 | 4 | 359979 | 4424723 | 303 |
| 552 | Residence | 26 | 26 | 4 | 360001 | 4424722 | 303 |
| 553 | Residence | 24 | 24 | 4 | 360060 | 4424439 | 305 |
| 554 | Residence | 24 | 23 | 4 | 360019 | 4424353 | 307 |
| 555 | Residence | 24 | 23 | 4 | 360019 | 4424363 | 307 |
| 556 | Residence | 24 | 23 | 4 | 360011 | 4424327 | 307 |
| 557 | Residence | 24 | 23 | 4 | 360054 | 4424366 | 306 |
| 558 | Abandoned Residence | 24 | 23 | 4 | 360085 | 4424344 | 306 |
| 559 | Residence | 24 | 23 | 4 | 360125 | 4424365 | 305 |
| 560 | Residence | 24 | 23 | 4 | 359967 | 4424369 | 306 |
| 561 | Residence | 24 | 23 | 4 | 359982 | 4424358 | 307 |
| 562 | Residence | 25 | 24 | 4 | 360174 | 4424539 | 303 |
| 563 | Residence | 24 | 24 | 4 | 360366 | 4424491 | 302 |
| 564 | Residence | 24 | 23 | 4 | 360584 | 4424471 | 302 |
| 565 | Residence | 23 | 23 | 4 | 360554 | 4424357 | 302 |
| 566 | Residence | 23 | 22 | 4 | 360691 | 4424349 | 301 |
| 567 | Residence | 23 | 22 | 4 | 360771 | 4424352 | 301 |
| 568 | Residence | 23 | 23 | 4 | 360787 | 4424463 | 302 |
| 569 | Commercial | 22 | 22 | 4 | 360851 | 4424368 | 300 |
| 570 | Church | 23 | 23 | 4 | 360886 | 4424485 | 300 |
| 571 | Residence | 29 | 28 | 4 | 357996 | 4427111 | 300 |
| 572 | Residence | 32 | 31 | 4 | 358308 | 4426822 | 298 |
| 573 | Residence | 34 | 33 | 4 | 358548 | 4426794 | 298 |
| 574 | Residence | 33 | 33 | 4 | 358570 | 4426624 | 298 |
| 575 | Residence | 35 | 34 | 4 | 358708 | 4426611 | 297 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 576 | Residence | 35 | 35 | 4 | 358839 | 4426508 | 297 |
| 577 | Residence | 34 | 34 | 4 | 359075 | 4426153 | 298 |
| 578 | Residence | 34 | 33 | 4 | 359141 | 4426075 | 296 |
| 579 | Residence | 41 | 40 | 4 | 359662 | 4426482 | 301 |
| 580 | Residence | 40 | 40 | 4 | 359655 | 4426424 | 300 |
| 581 | Residence | 43 | 42 | 4 | 359662 | 4426619 | 301 |
| 582 | Residence | 40 | 39 | 4 | 359384 | 4426631 | 298 |
| 583 | Residence | 44 | 43 | 4 | 359599 | 4427513 | 308 |
| 584 | Residence | 42 | 41 | 4 | 359541 | 4427650 | 308 |
| 585 | Residence | 40 | 39 | 4 | 359497 | 4427785 | 311 |
| 586 | Residence | 42 | 40 | 4 | 359390 | 4427671 | 307 |
| 587 | Residence | 41 | 38 | 4 | 359318 | 4427776 | 308 |
| 588 | Residence | 43 | 40 | 4 | 359292 | 4427685 | 306 |
| 589 | Residence | 41 | 39 | 4 | 359451 | 4427768 | 310 |
| 590 | Residence | 41 | 38 | 4 | 359424 | 4427772 | 310 |
| 591 | Residence | 42 | 40 | 4 | 359428 | 4427669 | 307 |
| 592 | Residence | 41 | 38 | 4 | 359358 | 4427772 | 309 |
| 593 | Residence | 42 | 38 | 4 | 359247 | 4427788 | 308 |
| 594 | Residence | 49 | 42 | 4 | 359187 | 4427647 | 306 |
| 595 | Residence | 42 | 40 | 4 | 359660 | 4427750 | 314 |
| 596 | Residence | 42 | 41 | 4 | 359733 | 4427739 | 313 |
| 597 | Residence | 41 | 40 | 4 | 359729 | 4427792 | 313 |
| 598 | Residence | 41 | 40 | 4 | 359684 | 4427796 | 314 |
| 599 | Residence | 40 | 39 | 4 | 359738 | 4427953 | 317 |
| 600 | Residence | 38 | 37 | 4 | 359642 | 4428110 | 318 |
| 601 | Residence | 36 | 34 | 4 | 359571 | 4428129 | 314 |
| 602 | Residence | 35 | 34 | 4 | 359576 | 4428180 | 313 |
| 603 | Residence | 37 | 35 | 4 | 359665 | 4428188 | 317 |
| 604 | Residence | 33 | 32 | 4 | 359329 | 4428309 | 317 |
| 605 | Residence | 34 | 33 | 4 | 359641 | 4428391 | 317 |
| 606 | Residence | 33 | 32 | 4 | 359648 | 4428448 | 317 |
| 607 | Residence | 32 | 31 | 4 | 359443 | 4428485 | 319 |
| 608 | Residence | 33 | 32 | 4 | 359412 | 4428396 | 320 |
| 609 | Residence | 33 | 31 | 4 | 359719 | 4428566 | 319 |
| 610 | Residence | 32 | 31 | 4 | 359669 | 4428631 | 321 |
| 611 | Residence | 33 | 31 | 4 | 359727 | 4428654 | 323 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 612 | Residence | 33 | 31 | 4 | 359744 | 4428715 | 324 |
| 613 | Residence | 32 | 30 | 4 | 359721 | 4428750 | 323 |
| 614 | Residence | 31 | 29 | 4 | 359660 | 4428792 | 321 |
| 615 | Residence | 31 | 29 | 4 | 359588 | 4428787 | 322 |
| 616 | Residence | 31 | 30 | 4 | 359756 | 4428815 | 325 |
| 617 | Residence | 30 | 29 | 4 | 359664 | 4428854 | 322 |
| 618 | Residence | 30 | 29 | 4 | 359666 | 4428867 | 323 |
| 619 | Residence | 30 | 28 | 4 | 359585 | 4428893 | 323 |
| 620 | Residence | 30 | 29 | 4 | 359472 | 4428767 | 320 |
| 621 | Residence | 30 | 29 | 4 | 359495 | 4428786 | 321 |
| 622 | Residence | 30 | 29 | 4 | 359521 | 4428816 | 321 |
| 623 | Residence | 30 | 28 | 4 | 359528 | 4428843 | 321 |
| 624 | Residence | 30 | 28 | 4 | 359529 | 4428880 | 322 |
| 625 | Residence | 29 | 28 | 4 | 359532 | 4428914 | 323 |
| 626 | Residence | 29 | 28 | 4 | 359536 | 4428935 | 323 |
| 627 | Residence | 29 | 28 | 4 | 359538 | 4428966 | 324 |
| 628 | Residence | 29 | 27 | 4 | 359536 | 4429001 | 324 |
| 629 | Residence | 29 | 27 | 4 | 359480 | 4429007 | 323 |
| 630 | Residence | 29 | 27 | 4 | 359477 | 4428975 | 323 |
| 631 | Residence | 29 | 28 | 4 | 359472 | 4428943 | 322 |
| 632 | Residence | 29 | 28 | 4 | 359468 | 4428880 | 321 |
| 633 | Residence | 30 | 28 | 4 | 359464 | 4428849 | 320 |
| 634 | Residence | 30 | 28 | 4 | 359446 | 4428823 | 320 |
| 635 | Residence | 29 | 28 | 4 | 359413 | 4428888 | 320 |
| 636 | Residence | 29 | 28 | 4 | 359374 | 4428875 | 320 |
| 637 | Residence | 29 | 27 | 4 | 359340 | 4428899 | 321 |
| 638 | Residence | 29 | 27 | 4 | 359343 | 4428930 | 322 |
| 639 | Residence | 29 | 27 | 4 | 359375 | 4428952 | 321 |
| 640 | Residence | 29 | 27 | 4 | 359410 | 4428948 | 321 |
| 641 | Residence | 28 | 27 | 4 | 359404 | 4429002 | 322 |
| 642 | Residence | 28 | 27 | 4 | 359439 | 4429003 | 323 |
| 643 | Residence | 28 | 27 | 4 | 359370 | 4429010 | 323 |
| 644 | Residence | 28 | 27 | 4 | 359339 | 4429012 | 323 |
| 645 | Residence | 28 | 27 | 4 | 359294 | 4428964 | 322 |
| 646 | Residence | 28 | 26 | 4 | 359227 | 4429038 | 324 |
| 647 | Residence | 28 | 26 | 4 | 359265 | 4429100 | 325 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 648 | Residence | 27 | 26 | 4 | 359267 | 4429117 | 325 |
| 649 | Residence | 27 | 26 | 4 | 359267 | 4429140 | 326 |
| 650 | Residence | 27 | 26 | 4 | 359210 | 4429141 | 326 |
| 651 | Residence | 27 | 26 | 4 | 359208 | 4429118 | 325 |
| 652 | Residence | 25 | 24 | 4 | 359088 | 4429450 | 328 |
| 653 | Residence | 25 | 24 | 4 | 359093 | 4429430 | 327 |
| 654 | Residence | 25 | 24 | 4 | 359101 | 4429410 | 327 |
| 655 | Residence | 25 | 24 | 4 | 359107 | 4429389 | 327 |
| 656 | Residence | 25 | 24 | 4 | 359159 | 4429405 | 327 |
| 657 | Residence | 25 | 24 | 4 | 359152 | 4429431 | 328 |
| 658 | Residence | 25 | 24 | 4 | 359144 | 4429458 | 328 |
| 659 | Residence | 25 | 24 | 4 | 359135 | 4429485 | 328 |
| 660 | Residence | 25 | 24 | 4 | 359155 | 4429495 | 329 |
| 661 | Residence | 25 | 24 | 4 | 359188 | 4429491 | 331 |
| 662 | Residence | 25 | 24 | 4 | 359192 | 4429466 | 330 |
| 663 | Residence | 25 | 24 | 4 | 359192 | 4429439 | 330 |
| 664 | Residence | 26 | 24 | 4 | 359200 | 4429412 | 329 |
| 665 | Residence | 26 | 24 | 4 | 359183 | 4429408 | 328 |
| 666 | Residence | 25 | 24 | 4 | 359210 | 4429544 | 333 |
| 667 | Residence | 25 | 24 | 4 | 359182 | 4429553 | 332 |
| 668 | Residence | 25 | 24 | 4 | 359228 | 4429526 | 332 |
| 669 | Residence | 25 | 24 | 4 | 359237 | 4429501 | 332 |
| 670 | Residence | 26 | 24 | 4 | 359237 | 4429474 | 331 |
| 671 | Residence | 26 | 24 | 4 | 359245 | 4429451 | 331 |
| 672 | Residence | 26 | 25 | 4 | 359249 | 4429432 | 330 |
| 673 | Residence | 26 | 25 | 4 | 359255 | 4429411 | 330 |
| 674 | Residence | 26 | 25 | 4 | 359260 | 4429387 | 329 |
| 675 | Residence | 26 | 25 | 4 | 359265 | 4429367 | 329 |
| 676 | Residence | 26 | 25 | 4 | 359209 | 4429360 | 329 |
| 677 | Residence | 26 | 25 | 4 | 359172 | 4429350 | 328 |
| 678 | Residence | 26 | 25 | 4 | 359119 | 4429335 | 327 |
| 679 | Residence | 26 | 25 | 4 | 359209 | 4429341 | 328 |
| 680 | Residence | 26 | 25 | 4 | 359217 | 4429311 | 328 |
| 681 | Residence | 26 | 25 | 4 | 359224 | 4429287 | 327 |
| 682 | Residence | 27 | 25 | 4 | 359223 | 4429259 | 327 |
| 683 | Residence | 26 | 25 | 4 | 359293 | 4429368 | 329 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 684 | Residence | 26 | 25 | 4 | 359317 | 4429370 | 330 |
| 685 | Residence | 27 | 25 | 4 | 359319 | 4429311 | 329 |
| 686 | Residence | 26 | 25 | 4 | 359295 | 4429313 | 329 |
| 687 | Residence | 27 | 25 | 4 | 359275 | 4429304 | 328 |
| 688 | Residence | 27 | 25 | 4 | 359276 | 4429276 | 328 |
| 689 | Residence | 27 | 26 | 4 | 359274 | 4429252 | 327 |
| 690 | Residence | 25 | 24 | 4 | 359284 | 4429549 | 332 |
| 691 | Residence | 26 | 24 | 4 | 359291 | 4429510 | 332 |
| 692 | Residence | 26 | 24 | 4 | 359294 | 4429471 | 331 |
| 693 | Residence | 26 | 25 | 4 | 359345 | 4429424 | 332 |
| 694 | Residence | 26 | 25 | 4 | 359385 | 4429423 | 333 |
| 695 | Residence | 27 | 25 | 4 | 359427 | 4429415 | 333 |
| 696 | Residence | 26 | 24 | 4 | 359381 | 4429474 | 331 |
| 697 | Residence | 25 | 24 | 4 | 359345 | 4429502 | 331 |
| 698 | Residence | 25 | 24 | 4 | 359332 | 4429559 | 331 |
| 699 | Residence | 25 | 23 | 4 | 359380 | 4429564 | 330 |
| 700 | Residence | 25 | 24 | 4 | 359413 | 4429524 | 331 |
| 701 | Residence | 25 | 24 | 4 | 359438 | 4429492 | 330 |
| 702 | Residence | 26 | 25 | 4 | 359466 | 4429454 | 331 |
| 703 | Residence | 26 | 25 | 4 | 359488 | 4429419 | 331 |
| 704 | Residence | 25 | 24 | 4 | 359470 | 4429583 | 333 |
| 705 | Residence | 25 | 24 | 4 | 359508 | 4429541 | 332 |
| 706 | Residence | 25 | 24 | 4 | 359513 | 4429595 | 334 |
| 707 | Residence | 26 | 25 | 4 | 359533 | 4429505 | 333 |
| 708 | Residence | 26 | 25 | 4 | 359576 | 4429477 | 332 |
| 709 | Residence | 26 | 25 | 4 | 359625 | 4429444 | 333 |
| 710 | Residence | 26 | 25 | 4 | 359626 | 4429485 | 333 |
| 711 | Residence | 26 | 25 | 4 | 359628 | 4429522 | 334 |
| 712 | Residence | 26 | 25 | 4 | 359632 | 4429560 | 334 |
| 713 | Residence | 25 | 24 | 4 | 359638 | 4429608 | 336 |
| 714 | Residence | 25 | 24 | 4 | 359590 | 4429611 | 336 |
| 715 | Residence | 25 | 24 | 4 | 359552 | 4429605 | 334 |
| 716 | Residence | 26 | 25 | 4 | 359338 | 4429374 | 331 |
| 717 | Residence | 27 | 25 | 4 | 359366 | 4429376 | 332 |
| 718 | Residence | 27 | 25 | 4 | 359390 | 4429371 | 332 |
| 719 | Residence | 27 | 26 | 4 | 359412 | 4429368 | 332 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 720 | Residence | 27 | 26 | 4 | 359431 | 4429367 | 332 |
| 721 | Residence | 27 | 26 | 4 | 359454 | 4429361 | 333 |
| 722 | Residence | 27 | 26 | 4 | 359523 | 4429349 | 332 |
| 723 | Residence | 27 | 26 | 4 | 359521 | 4429293 | 332 |
| 724 | Residence | 28 | 26 | 4 | 359506 | 4429267 | 331 |
| 725 | Residence | 28 | 26 | 4 | 359499 | 4429246 | 330 |
| 726 | Residence | 28 | 26 | 4 | 359486 | 4429221 | 329 |
| 727 | Residence | 28 | 27 | 4 | 359542 | 4429209 | 330 |
| 728 | Residence | 28 | 27 | 4 | 359535 | 4429154 | 328 |
| 729 | Residence | 28 | 27 | 4 | 359518 | 4429097 | 326 |
| 730 | Residence | 28 | 27 | 4 | 359463 | 4429074 | 325 |
| 731 | Residence | 28 | 27 | 4 | 359405 | 4429086 | 325 |
| 732 | Residence | 28 | 26 | 4 | 359380 | 4429133 | 326 |
| 733 | Residence | 28 | 26 | 4 | 359436 | 4429155 | 326 |
| 734 | Residence | 27 | 26 | 4 | 359434 | 4429179 | 327 |
| 735 | Residence | 28 | 26 | 4 | 359433 | 4429203 | 328 |
| 736 | Residence | 27 | 26 | 4 | 359435 | 4429229 | 329 |
| 737 | Residence | 27 | 26 | 4 | 359436 | 4429249 | 330 |
| 738 | Residence | 27 | 26 | 4 | 359439 | 4429273 | 330 |
| 739 | Residence | 27 | 26 | 4 | 359441 | 4429292 | 331 |
| 740 | Residence | 27 | 26 | 4 | 359447 | 4429311 | 332 |
| 741 | Residence | 27 | 26 | 4 | 359477 | 4429307 | 332 |
| 742 | Residence | 27 | 26 | 4 | 359391 | 4429315 | 331 |
| 743 | Residence | 27 | 26 | 4 | 359389 | 4429292 | 330 |
| 744 | Residence | 27 | 26 | 4 | 359388 | 4429269 | 330 |
| 745 | Residence | 27 | 26 | 4 | 359390 | 4429246 | 329 |
| 746 | Residence | 27 | 26 | 4 | 359386 | 4429216 | 328 |
| 747 | Residence | 27 | 26 | 4 | 359361 | 4429217 | 328 |
| 748 | Residence | 27 | 26 | 4 | 359342 | 4429219 | 327 |
| 749 | Residence | 27 | 26 | 4 | 359318 | 4429219 | 327 |
| 750 | Residence | 27 | 26 | 4 | 359294 | 4429223 | 327 |
| 751 | Residence | 27 | 26 | 4 | 359277 | 4429227 | 327 |
| 752 | Residence | 27 | 26 | 4 | 359339 | 4429319 | 330 |
| 753 | Residence | 27 | 26 | 4 | 359365 | 4429320 | 331 |
| 754 | Residence | 27 | 26 | 4 | 359269 | 4429170 | 326 |
| 755 | Residence | 27 | 26 | 4 | 359288 | 4429170 | 326 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 756 | Residence | 27 | 26 | 4 | 359314 | 4429166 | 325 |
| 757 | Residence | 27 | 26 | 4 | 359337 | 4429170 | 325 |
| 758 | Residence | 27 | 26 | 4 | 359359 | 4429168 | 326 |
| 759 | Residence | 27 | 26 | 4 | 359381 | 4429164 | 327 |
| 760 | Residence | 27 | 26 | 4 | 359209 | 4429164 | 327 |
| 761 | Residence | 27 | 26 | 4 | 359216 | 4429184 | 327 |
| 762 | Residence | 27 | 26 | 4 | 359217 | 4429208 | 327 |
| 763 | Residence | 27 | 25 | 4 | 359218 | 4429234 | 327 |
| 764 | Residence | 27 | 26 | 4 | 359566 | 4429332 | 331 |
| 765 | Residence | 27 | 26 | 4 | 359587 | 4429320 | 330 |
| 766 | Residence | 27 | 26 | 4 | 359610 | 4429315 | 329 |
| 767 | Residence | 27 | 26 | 4 | 359571 | 4429271 | 331 |
| 768 | Residence | 28 | 27 | 4 | 359599 | 4429245 | 331 |
| 769 | Residence | 27 | 26 | 4 | 359803 | 4429478 | 338 |
| 770 | Residence | 26 | 24 | 4 | 359742 | 4429570 | 336 |
| 771 | Residence | 25 | 24 | 4 | 359715 | 4429694 | 339 |
| 772 | Residence | 27 | 26 | 4 | 359831 | 4429612 | 341 |
| 773 | Residence | 28 | 27 | 4 | 359876 | 4429336 | 336 |
| 774 | Residence | 28 | 26 | 4 | 359685 | 4429209 | 329 |
| 775 | Residence | 28 | 27 | 4 | 359684 | 4429182 | 330 |
| 776 | Residence | 28 | 27 | 4 | 359712 | 4429153 | 329 |
| 777 | Residence | 29 | 28 | 4 | 359677 | 4429105 | 329 |
| 778 | Residence | 29 | 28 | 4 | 359682 | 4429083 | 328 |
| 779 | Residence | 29 | 28 | 4 | 359658 | 4429070 | 327 |
| 780 | Residence | 29 | 28 | 4 | 359695 | 4429047 | 327 |
| 781 | Residence | 29 | 28 | 4 | 359663 | 4429051 | 327 |
| 782 | Residence | 29 | 28 | 4 | 359684 | 4429001 | 325 |
| 783 | Residence | 29 | 28 | 4 | 359745 | 4429055 | 328 |
| 784 | Residence | 30 | 28 | 4 | 359753 | 4428988 | 328 |
| 785 | Residence | 29 | 28 | 4 | 359801 | 4429084 | 329 |
| 786 | Residence | 29 | 28 | 4 | 359880 | 4429039 | 329 |
| 787 | Residence | 31 | 30 | 4 | 359937 | 4428958 | 330 |
| 788 | Residence | 30 | 29 | 4 | 360005 | 4428943 | 325 |
| 789 | Residence | 32 | 31 | 4 | 360059 | 4428769 | 324 |
| 790 | Residence | 31 | 29 | 4 | 360115 | 4428908 | 323 |
| 791 | Residence | 31 | 29 | 4 | 360170 | 4428902 | 323 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 792 | Residence | 31 | 30 | 4 | 360129 | 4428844 | 322 |
| 793 | Residence | 32 | 30 | 4 | 360244 | 4428812 | 322 |
| 794 | Residence | 31 | 30 | 4 | 360303 | 4428990 | 332 |
| 795 | Residence | 30 | 30 | 4 | 360483 | 4429043 | 334 |
| 796 | Residence | 32 | 31 | 4 | 360527 | 4428931 | 334 |
| 797 | Residence | 31 | 30 | 4 | 360539 | 4428999 | 334 |
| 798 | Residence | 31 | 30 | 4 | 360610 | 4428895 | 331 |
| 799 | Residence | 31 | 30 | 4 | 360566 | 4428970 | 335 |
| 800 | Residence | 31 | 30 | 4 | 360653 | 4428983 | 334 |
| 801 | Residence | 30 | 30 | 4 | 360705 | 4428976 | 334 |
| 802 | Residence | 31 | 30 | 4 | 360793 | 4428904 | 332 |
| 803 | Residence | 30 | 29 | 4 | 361059 | 4428790 | 332 |
| 804 | Residence | 27 | 26 | 4 | 359130 | 4429040 | 322 |
| 805 | Residence | 28 | 26 | 4 | 359120 | 4428966 | 322 |
| 806 | Residence | 27 | 26 | 4 | 359072 | 4429026 | 322 |
| 807 | Residence | 27 | 26 | 4 | 358980 | 4429021 | 323 |
| 808 | Residence | 27 | 26 | 4 | 358941 | 4429050 | 324 |
| 809 | Residence | 27 | 25 | 4 | 358852 | 4428964 | 323 |
| 810 | Residence | 27 | 25 | 4 | 358838 | 4429069 | 325 |
| 811 | Residence | 27 | 25 | 4 | 358767 | 4429044 | 323 |
| 812 | Residence | 26 | 25 | 4 | 358727 | 4429036 | 320 |
| 813 | Residence | 26 | 25 | 4 | 358754 | 4429159 | 325 |
| 814 | Residence | 26 | 24 | 4 | 358646 | 4429065 | 319 |
| 815 | Residence | 25 | 24 | 4 | 358623 | 4429200 | 322 |
| 816 | Residence | 25 | 24 | 4 | 358713 | 4429200 | 322 |
| 817 | Residence | 26 | 24 | 4 | 358577 | 4429078 | 320 |
| 818 | Residence | 26 | 24 | 4 | 358491 | 4429091 | 323 |
| 819 | Residence | 26 | 24 | 4 | 358533 | 4429084 | 322 |
| 820 | Residence | 25 | 24 | 4 | 358448 | 4429102 | 323 |
| 821 | Residence | 25 | 24 | 4 | 358415 | 4429183 | 323 |
| 822 | Residence | 26 | 24 | 4 | 358428 | 4429063 | 322 |
| 823 | Residence | 24 | 23 | 4 | 361384 | 4429637 | 346 |
| 824 | Residence | 24 | 23 | 4 | 361386 | 4429601 | 345 |
| 825 | Residence | 24 | 23 | 4 | 361386 | 4429572 | 345 |
| 826 | Residence | 24 | 23 | 4 | 361384 | 4429528 | 345 |
| 827 | Residence | 25 | 24 | 4 | 361380 | 4429471 | 345 |

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 828 | Residence | 25 | 24 | 4 | 361357 | 4429425 | 344 |
| 829 | Residence | 25 | 24 | 4 | 361323 | 4429516 | 346 |
| 830 | Residence | 25 | 24 | 4 | 361338 | 4429370 | 342 |
| 831 | Residence | 25 | 25 | 4 | 361378 | 4429355 | 342 |
| 832 | Residence | 25 | 24 | 4 | 361422 | 4429402 | 343 |
| 833 | Residence | 25 | 24 | 4 | 361432 | 4429440 | 344 |
| 834 | Residence | 24 | 23 | 4 | 361439 | 4429470 | 343 |
| 835 | Residence | 24 | 23 | 4 | 361440 | 4429501 | 343 |
| 836 | Residence | 24 | 23 | 4 | 361440 | 4429532 | 344 |
| 837 | Residence | 24 | 23 | 4 | 361440 | 4429564 | 344 |
| 838 | Residence | 24 | 23 | 4 | 361448 | 4429594 | 344 |
| 839 | Residence | 23 | 22 | 4 | 361448 | 4429628 | 344 |
| 840 | Residence | 25 | 24 | 4 | 361469 | 4429368 | 342 |
| 841 | Residence | 26 | 25 | 4 | 361402 | 4429333 | 341 |
| 842 | Residence | 26 | 25 | 4 | 361427 | 4429319 | 341 |
| 843 | Residence | 25 | 25 | 4 | 361459 | 4429304 | 340 |
| 844 | Residence | 25 | 24 | 4 | 361490 | 4429295 | 340 |
| 845 | Residence | 25 | 24 | 4 | 361511 | 4429356 | 341 |
| 846 | Residence | 25 | 24 | 4 | 361514 | 4429417 | 342 |
| 847 | Residence | 24 | 23 | 4 | 361521 | 4429457 | 342 |
| 848 | Residence | 24 | 23 | 4 | 361521 | 4429487 | 342 |
| 849 | Residence | 24 | 23 | 4 | 361524 | 4429517 | 342 |
| 850 | Residence | 24 | 23 | 4 | 361526 | 4429545 | 342 |
| 851 | Residence | 23 | 22 | 4 | 361527 | 4429577 | 343 |
| 852 | Residence | 23 | 22 | 4 | 361526 | 4429604 | 343 |
| 853 | Residence | 24 | 23 | 4 | 361571 | 4429357 | 340 |
| 854 | Residence | 24 | 23 | 4 | 361579 | 4429429 | 340 |
| 855 | Residence | 24 | 23 | 4 | 361583 | 4429494 | 341 |
| 856 | Residence | 23 | 22 | 4 | 361588 | 4429557 | 342 |
| 857 | Residence | 26 | 25 | 4 | 361331 | 4429248 | 339 |
| 858 | Residence | 26 | 25 | 4 | 361328 | 4429200 | 339 |
| 859 | Residence | 27 | 26 | 4 | 361332 | 4429149 | 338 |
| 860 | Residence | 27 | 26 | 4 | 361346 | 4429104 | 338 |
| 861 | Residence | 27 | 26 | 4 | 361383 | 4429058 | 337 |
| 862 | Residence | 27 | 26 | 4 | 361327 | 4429016 | 334 |
| 863 | Residence | 28 | 27 | 4 | 361339 | 4428919 | 333 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 864 | Residence | 28 | 27 | 4 | 361370 | 4428953 | 335 |
| 865 | Residence | 30 | 29 | 4 | 361191 | 4428743 | 330 |
| 866 | Residence | 31 | 31 | 4 | 361264 | 4428553 | 328 |
| 867 | Residence | 31 | 30 | 4 | 361340 | 4428504 | 326 |
| 868 | Residence | 29 | 28 | 4 | 361278 | 4428731 | 329 |
| 869 | Residence | 31 | 30 | 4 | 361282 | 4428610 | 329 |
| 870 | Residence | 29 | 28 | 4 | 361281 | 4428791 | 330 |
| 871 | Residence | 29 | 28 | 4 | 361281 | 4428834 | 332 |
| 872 | Residence | 29 | 29 | 4 | 361474 | 4428533 | 327 |
| 873 | Residence | 29 | 28 | 4 | 361412 | 4428641 | 325 |
| 874 | Residence | 29 | 28 | 4 | 361484 | 4428678 | 331 |
| 875 | Residence | 30 | 29 | 4 | 361478 | 4428602 | 331 |
| 876 | Residence | 27 | 27 | 4 | 361593 | 4428831 | 332 |
| 877 | Residence | 28 | 27 | 4 | 361555 | 4428836 | 333 |
| 878 | Residence | 29 | 28 | 4 | 361489 | 4428713 | 331 |
| 879 | Residence | 29 | 29 | 4 | 361528 | 4428501 | 327 |
| 880 | Residence | 28 | 27 | 4 | 361419 | 4428684 | 326 |
| 881 | Residence | 29 | 28 | 4 | 361419 | 4428600 | 326 |
| 882 | Residence | 30 | 29 | 4 | 361462 | 4428496 | 326 |
| 883 | Residence | 26 | 25 | 4 | 361658 | 4428825 | 331 |
| 884 | Residence | 27 | 27 | 4 | 361594 | 4428796 | 332 |
| 885 | Residence | 28 | 28 | 4 | 361551 | 4428782 | 334 |
| 886 | Residence | 27 | 27 | 4 | 361590 | 4428748 | 332 |
| 887 | Residence | 29 | 28 | 4 | 361536 | 4428731 | 333 |
| 888 | Residence | 29 | 28 | 4 | 361545 | 4428701 | 334 |
| 889 | Residence | 29 | 28 | 4 | 361540 | 4428678 | 334 |
| 890 | Residence | 29 | 28 | 4 | 361535 | 4428630 | 332 |
| 891 | Residence | 27 | 26 | 4 | 361653 | 4428760 | 330 |
| 892 | Residence | 26 | 25 | 4 | 361676 | 4428799 | 330 |
| 893 | Residence | 27 | 26 | 4 | 361669 | 4428723 | 329 |
| 894 | Residence | 27 | 26 | 4 | 361663 | 4428671 | 328 |
| 895 | Residence | 27 | 26 | 4 | 361707 | 4428607 | 327 |
| 896 | Residence | 29 | 29 | 4 | 361515 | 4428537 | 328 |
| 897 | Residence | 29 | 28 | 4 | 361575 | 4428506 | 328 |
| 898 | Residence | 29 | 28 | 4 | 361574 | 4428530 | 328 |
| 899 | Residence | 29 | 28 | 4 | 361637 | 4428495 | 326 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 900 | Residence | 28 | 27 | 4 | 361650 | 4428527 | 326 |
| 901 | Residence | 28 | 27 | 4 | 361640 | 4428567 | 326 |
| 902 | Residence | 27 | 26 | 4 | 361659 | 4428628 | 327 |
| 903 | Residence | 28 | 28 | 4 | 361693 | 4428481 | 327 |
| 904 | Residence | 28 | 27 | 4 | 361700 | 4428511 | 327 |
| 905 | Residence | 28 | 27 | 4 | 361751 | 4428484 | 327 |
| 906 | Residence | 28 | 27 | 4 | 361760 | 4428525 | 327 |
| 907 | Residence | 27 | 27 | 4 | 361817 | 4428495 | 327 |
| 908 | Residence | 27 | 27 | 4 | 361820 | 4428539 | 327 |
| 909 | Residence | 27 | 27 | 4 | 361764 | 4428558 | 327 |
| 910 | Residence | 27 | 26 | 4 | 361824 | 4428563 | 327 |
| 911 | Residence | 26 | 26 | 4 | 361828 | 4428594 | 327 |
| 912 | Residence | 27 | 26 | 4 | 361763 | 4428594 | 327 |
| 913 | Residence | 27 | 26 | 4 | 361761 | 4428629 | 327 |
| 914 | Residence | 26 | 25 | 4 | 361834 | 4428642 | 325 |
| 915 | Residence | 26 | 25 | 4 | 361768 | 4428692 | 327 |
| 916 | Residence | 26 | 25 | 4 | 361767 | 4428728 | 328 |
| 917 | Residence | 26 | 26 | 4 | 361713 | 4428727 | 329 |
| 918 | Residence | 26 | 25 | 4 | 361828 | 4428735 | 326 |
| 919 | Residence | 26 | 25 | 4 | 361977 | 4428510 | 326 |
| 920 | Residence | 26 | 25 | 4 | 361976 | 4428539 | 325 |
| 921 | Residence | 27 | 26 | 4 | 361909 | 4428511 | 326 |
| 922 | Residence | 26 | 25 | 4 | 361918 | 4428570 | 326 |
| 923 | Residence | 26 | 25 | 4 | 361974 | 4428565 | 325 |
| 924 | Residence | 26 | 25 | 4 | 361974 | 4428592 | 326 |
| 925 | Residence | 26 | 25 | 4 | 361915 | 4428612 | 326 |
| 926 | Residence | 25 | 25 | 4 | 361966 | 4428645 | 324 |
| 927 | Residence | 26 | 25 | 4 | 362038 | 4428521 | 325 |
| 928 | Residence | 27 | 26 | 4 | 357888 | 4425924 | 306 |
| 929 | Residence | 33 | 33 | 4 | 359617 | 4425625 | 293 |
| 930 | Residence | 40 | 40 | 4 | 359801 | 4425850 | 294 |
| 931 | Residence | 37 | 37 | 4 | 359968 | 4425750 | 296 |
| 932 | Residence | 34 | 34 | 4 | 359989 | 4425625 | 295 |
| 933 | Residence | 36 | 36 | 4 | 360060 | 4425731 | 296 |
| 934 | Residence | 34 | 33 | 4 | 360106 | 4425632 | 296 |
| 935 | Residence | 33 | 33 | 4 | 360174 | 4425614 | 296 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 936 | Residence | 35 | 35 | 4 | 360112 | 4425736 | 296 |
| 937 | Residence | 34 | 34 | 4 | 360192 | 4425721 | 295 |
| 938 | Residence | 32 | 32 | 4 | 360233 | 4425596 | 296 |
| 939 | Residence | 33 | 32 | 4 | 360344 | 4425716 | 295 |
| 940 | Residence | 34 | 34 | 4 | 360351 | 4425929 | 297 |
| 941 | Residence | 33 | 33 | 4 | 360435 | 4425945 | 296 |
| 942 | Residence | 36 | 35 | 4 | 360278 | 4425921 | 297 |
| 943 | Residence | 25 | 24 | 4 | 362103 | 4428460 | 322 |
| 944 | Residence | 25 | 24 | 4 | 362105 | 4428489 | 321 |
| 945 | Residence | 26 | 25 | 4 | 362045 | 4428485 | 325 |
| 946 | Residence | 25 | 24 | 4 | 362039 | 4428613 | 320 |
| 947 | Residence | 25 | 24 | 4 | 362106 | 4428604 | 319 |
| 948 | Residence | 25 | 24 | 4 | 362114 | 4428634 | 320 |
| 949 | Residence | 25 | 24 | 4 | 362064 | 4428655 | 320 |
| 950 | Residence | 24 | 23 | 4 | 362226 | 4428624 | 327 |
| 951 | Residence | 25 | 24 | 4 | 361966 | 4428694 | 321 |
| 952 | Residence | 25 | 24 | 4 | 361970 | 4428723 | 321 |
| 953 | Residence | 25 | 24 | 4 | 361987 | 4428766 | 323 |
| 954 | Residence | 26 | 25 | 4 | 361910 | 4428698 | 321 |
| 955 | Residence | 25 | 25 | 4 | 361912 | 4428724 | 322 |
| 956 | Residence | 25 | 24 | 4 | 361913 | 4428769 | 322 |
| 957 | Residence | 25 | 24 | 4 | 361924 | 4428800 | 322 |
| 958 | Residence | 24 | 23 | 4 | 362112 | 4428771 | 329 |
| 959 | Residence | 25 | 24 | 4 | 362068 | 4428757 | 327 |
| 960 | Residence | 24 | 23 | 4 | 362111 | 4428744 | 326 |
| 961 | Residence | 24 | 23 | 4 | 362129 | 4428709 | 323 |
| 962 | Residence | 24 | 24 | 4 | 362129 | 4428680 | 321 |
| 963 | Residence | 25 | 24 | 4 | 362059 | 4428729 | 324 |
| 964 | Residence | 25 | 24 | 4 | 362063 | 4428679 | 320 |
| 965 | Residence | 24 | 24 | 4 | 362070 | 4428790 | 329 |
| 966 | Residence | 25 | 24 | 4 | 362016 | 4428799 | 325 |
| 967 | Residence | 24 | 23 | 4 | 362181 | 4428786 | 329 |
| 968 | Residence | 24 | 23 | 4 | 362260 | 4428784 | 329 |
| 969 | Residence | 26 | 25 | 4 | 361771 | 4428755 | 329 |
| 970 | Residence | 26 | 25 | 4 | 361775 | 4428779 | 329 |
| 971 | Residence | 26 | 25 | 4 | 361826 | 4428791 | 328 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 972 | Residence | 26 | 25 | 4 | 361713 | 4428759 | 329 |
| 973 | Residence | 26 | 25 | 4 | 361721 | 4428818 | 330 |
| 974 | Commercial | 28 | 27 | 4 | 361448 | 4428956 | 336 |
| 975 | Residence | 27 | 26 | 4 | 361535 | 4428950 | 333 |
| 976 | Residence | 27 | 26 | 4 | 361622 | 4428935 | 333 |
| 977 | Residence | 25 | 24 | 4 | 361767 | 4428944 | 330 |
| 978 | Residence | 24 | 23 | 4 | 361914 | 4428985 | 327 |
| 979 | Residence | 25 | 25 | 4 | 361709 | 4428981 | 333 |
| 980 | Residence | 24 | 23 | 4 | 362077 | 4428912 | 330 |
| 981 | Residence | 24 | 23 | 4 | 362155 | 4428917 | 332 |
| 982 | Residence | 24 | 23 | 4 | 362219 | 4428903 | 333 |
| 983 | Residence | 25 | 24 | 4 | 362383 | 4427484 | 309 |
| 984 | Residence | 24 | 23 | 4 | 362617 | 4427357 | 310 |
| 986 | Residence | 24 | 24 | 4 | 362438 | 4427021 | 310 |
| 987 | Residence | 24 | 23 | 4 | 362553 | 4426949 | 310 |
| 989 | Residence | 25 | 24 | 4 | 361593 | 4425643 | 297 |
| 990 | Cemetery | 26 | 25 | 4 | 361352 | 4425656 | 296 |
| 991 | Residence | 27 | 26 | 4 | 361351 | 4425748 | 299 |
| 992 | Residence | 26 | 25 | 4 | 361236 | 4425612 | 293 |
| 993 | Residence | 26 | 26 | 4 | 361130 | 4425594 | 291 |
| 994 | Residence | 27 | 26 | 4 | 361031 | 4425605 | 290 |
| 995 | Residence | 28 | 27 | 4 | 361104 | 4425734 | 297 |
| 996 | Residence | 25 | 25 | 4 | 361124 | 4425277 | 293 |
| 997 | Residence | 25 | 25 | 4 | 361156 | 4425278 | 293 |
| 998 | Residence | 25 | 24 | 4 | 361183 | 4425281 | 293 |
| 999 | Residence | 25 | 24 | 4 | 361210 | 4425279 | 293 |
| 1000 | Residence | 25 | 24 | 4 | 361237 | 4425282 | 293 |
| 1001 | Residence | 25 | 24 | 4 | 361263 | 4425284 | 293 |
| 1002 | Residence | 25 | 24 | 4 | 361293 | 4425291 | 292 |
| 1003 | Residence | 24 | 24 | 4 | 361323 | 4425291 | 292 |
| 1004 | Residence | 24 | 24 | 4 | 361349 | 4425292 | 291 |
| 1005 | Residence | 25 | 25 | 4 | 361127 | 4425214 | 293 |
| 1006 | Residence | 25 | 25 | 4 | 361152 | 4425221 | 293 |
| 1007 | Residence | 25 | 24 | 4 | 361181 | 4425218 | 293 |
| 1008 | Residence | 25 | 24 | 4 | 361211 | 4425215 | 294 |
| 1009 | Residence | 25 | 24 | 4 | 361237 | 4425218 | 293 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 1010 | Residence | 25 | 24 | 4 | 361292 | 4425220 | 293 |
| 1011 | Residence | 24 | 24 | 4 | 361322 | 4425227 | 293 |
| 1012 | Residence | 24 | 23 | 4 | 361350 | 4425225 | 293 |
| 1013 | Residence | 24 | 23 | 4 | 361377 | 4425224 | 292 |
| 1014 | Residence | 24 | 23 | 4 | 361405 | 4425226 | 292 |
| 1015 | Residence | 24 | 23 | 4 | 361440 | 4425221 | 291 |
| 1016 | Residence | 24 | 23 | 4 | 361458 | 4425202 | 291 |
| 1017 | Residence | 24 | 23 | 4 | 361491 | 4425257 | 289 |
| 1018 | Residence | 23 | 23 | 4 | 361460 | 4425120 | 293 |
| 1019 | Residence | 24 | 23 | 4 | 361431 | 4425110 | 293 |
| 1020 | Residence | 24 | 23 | 4 | 361371 | 4425105 | 293 |
| 1021 | Residence | 24 | 23 | 4 | 361344 | 4425106 | 293 |
| 1022 | Residence | 24 | 23 | 4 | 361313 | 4425109 | 294 |
| 1023 | Residence | 24 | 24 | 4 | 361286 | 4425105 | 294 |
| 1024 | Residence | 24 | 24 | 4 | 361257 | 4425108 | 293 |
| 1025 | Residence | 24 | 24 | 4 | 361225 | 4425104 | 293 |
| 1026 | Residence | 24 | 24 | 4 | 361200 | 4425106 | 293 |
| 1027 | Residence | 25 | 24 | 4 | 361167 | 4425110 | 293 |
| 1028 | Residence | 25 | 24 | 4 | 361139 | 4425105 | 293 |
| 1029 | Residence | 25 | 24 | 4 | 361113 | 4425107 | 294 |
| 1030 | Residence | 25 | 24 | 4 | 361114 | 4425160 | 293 |
| 1031 | Residence | 25 | 24 | 4 | 361146 | 4425161 | 294 |
| 1032 | Residence | 25 | 24 | 4 | 361178 | 4425162 | 294 |
| 1033 | Residence | 25 | 24 | 4 | 361206 | 4425165 | 294 |
| 1034 | Residence | 25 | 24 | 4 | 361237 | 4425165 | 293 |
| 1035 | Residence | 24 | 24 | 4 | 361268 | 4425166 | 293 |
| 1036 | Residence | 24 | 24 | 4 | 361298 | 4425167 | 293 |
| 1037 | Residence | 24 | 24 | 4 | 361322 | 4425165 | 293 |
| 1038 | Residence | 24 | 23 | 4 | 361352 | 4425170 | 293 |
| 1039 | Residence | 24 | 23 | 4 | 361382 | 4425168 | 293 |
| 1040 | Residence | 23 | 23 | 4 | 361518 | 4425243 | 288 |
| 1041 | Residence | 25 | 24 | 4 | 361265 | 4425218 | 293 |
| 1042 | Residence | 24 | 24 | 4 | 361126 | 4425024 | 293 |
| 1043 | Residence | 25 | 24 | 4 | 361100 | 4425002 | 294 |
| 1044 | Residence | 24 | 24 | 4 | 361099 | 4424967 | 294 |
| 1045 | Residence | 24 | 24 | 4 | 361101 | 4424937 | 295 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 1046 | Residence | 24 | 24 | 4 | 361100 | 4424877 | 295 |
| 1047 | Residence | 24 | 23 | 4 | 361089 | 4424813 | 295 |
| 1048 | Residence | 23 | 22 | 4 | 361076 | 4424735 | 295 |
| 1049 | Fire Station | 22 | 21 | 4 | 361102 | 4424527 | 296 |
| 1050 | Residence | 33 | 33 | 4 | 361180 | 4428321 | 322 |
| 1051 | Residence | 32 | 31 | 4 | 361306 | 4428360 | 324 |
| 1052 | Residence | 34 | 34 | 4 | 361147 | 4428112 | 314 |
| 1053 | Residence | 34 | 33 | 4 | 361237 | 4427912 | 312 |
| 1054 | Residence | 33 | 32 | 4 | 361348 | 4427716 | 313 |
| 1055 | Residence | 37 | 36 | 4 | 361085 | 4427821 | 316 |
| 1056 | Residence | 37 | 36 | 4 | 361088 | 4427859 | 316 |
| 1057 | Residence | 37 | 37 | 4 | 361076 | 4427910 | 317 |
| 1058 | Residence | 38 | 37 | 4 | 361058 | 4427954 | 319 |
| 1059 | Residence | 38 | 37 | 4 | 361045 | 4427658 | 315 |
| 1060 | Residence | 38 | 38 | 4 | 361016 | 4427710 | 316 |
| 1061 | Residence | 38 | 37 | 4 | 361054 | 4427753 | 316 |
| 1062 | Residence | 34 | 34 | 4 | 361221 | 4427631 | 312 |
| 1063 | Residence | 36 | 35 | 4 | 361131 | 4427593 | 313 |
| 1064 | Residence | 34 | 33 | 4 | 361225 | 4427523 | 310 |
| 1065 | Residence | 34 | 34 | 4 | 361217 | 4427423 | 311 |
| 1066 | Residence | 37 | 37 | 4 | 361070 | 4427440 | 312 |
| 1067 | Residence | 37 | 36 | 4 | 361133 | 4427388 | 314 |
| 1068 | Residence | 36 | 35 | 4 | 361214 | 4427330 | 313 |
| 1069 | Residence | 38 | 37 | 4 | 361075 | 4427286 | 311 |
| 1070 | Residence | 36 | 35 | 4 | 361208 | 4427272 | 312 |
| 1071 | Residence | 33 | 32 | 4 | 361296 | 4427298 | 310 |
| 1072 | Residence | 35 | 34 | 4 | 361193 | 4427162 | 308 |
| 1073 | Residence | 36 | 36 | 4 | 361052 | 4427167 | 308 |
| 1074 | Residence | 37 | 36 | 4 | 361074 | 4427227 | 310 |
| 1075 | Residence | 36 | 35 | 4 | 361195 | 4427227 | 311 |
| 1076 | Residence | 32 | 31 | 4 | 361392 | 4427257 | 308 |
| 1077 | Residence | 32 | 31 | 4 | 361399 | 4427189 | 308 |
| 1078 | Residence | 35 | 34 | 4 | 361269 | 4427270 | 312 |
| 1079 | Residence | 31 | 31 | 4 | 361447 | 4427169 | 308 |
| 1080 | Residence | 31 | 30 | 4 | 361551 | 4427171 | 309 |
| 1081 | Residence | 30 | 29 | 4 | 361597 | 4427179 | 308 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 1082 | Residence | 29 | 28 | 4 | 361731 | 4427179 | 305 |
| 1083 | Residence | 27 | 26 | 4 | 362042 | 4427024 | 306 |
| 1084 | Residence | 27 | 26 | 4 | 362078 | 4427068 | 307 |
| 1085 | Residence | 26 | 25 | 4 | 362155 | 4426977 | 308 |
| 1086 | Residence | 26 | 25 | 4 | 362221 | 4426968 | 308 |
| 1087 | Residence | 25 | 24 | 4 | 362319 | 4426958 | 308 |
| 1088 | Residence | 34 | 34 | 4 | 361161 | 4426797 | 310 |
| 1089 | Residence | 35 | 34 | 4 | 361102 | 4426811 | 310 |
| 1090 | Residence | 35 | 35 | 4 | 361078 | 4426876 | 310 |
| 1091 | Residence | 36 | 36 | 4 | 361013 | 4426879 | 310 |
| 1092 | Residence | 37 | 37 | 4 | 360957 | 4426902 | 309 |
| 1093 | Residence | 35 | 34 | 4 | 361101 | 4426970 | 309 |
| 1094 | Residence | 38 | 37 | 4 | 360909 | 4426918 | 309 |
| 1095 | Residence | 39 | 38 | 4 | 360845 | 4426931 | 308 |
| 1096 | Residence | 39 | 39 | 4 | 360778 | 4426920 | 308 |
| 1097 | Residence | 37 | 37 | 4 | 360892 | 4426858 | 308 |
| 1098 | Residence | 36 | 36 | 4 | 360946 | 4426827 | 308 |
| 1099 | Residence | 37 | 36 | 4 | 360881 | 4426809 | 307 |
| 1100 | Residence | 36 | 35 | 4 | 360943 | 4426763 | 308 |
| 1101 | Residence | 35 | 35 | 4 | 360933 | 4426715 | 308 |
| 1102 | Residence | 36 | 35 | 4 | 360882 | 4426749 | 306 |
| 1103 | Residence | 36 | 36 | 4 | 360821 | 4426746 | 305 |
| 1104 | Residence | 38 | 37 | 4 | 360782 | 4426812 | 307 |
| 1105 | Residence | 37 | 36 | 4 | 360766 | 4426754 | 306 |
| 1106 | Residence | 38 | 38 | 4 | 360735 | 4426818 | 306 |
| 1107 | Residence | 37 | 37 | 4 | 360716 | 4426755 | 305 |
| 1108 | Residence | 38 | 37 | 4 | 360665 | 4426768 | 305 |
| 1109 | Residence | 39 | 38 | 4 | 360690 | 4426822 | 306 |
| 1110 | Residence | 39 | 38 | 4 | 360613 | 4426800 | 305 |
| 1111 | Residence | 40 | 39 | 4 | 360617 | 4426845 | 305 |
| 1112 | Residence | 41 | 40 | 4 | 360626 | 4426917 | 306 |
| 1113 | Residence | 42 | 42 | 4 | 360629 | 4426962 | 306 |
| 1114 | Residence | 42 | 41 | 4 | 360685 | 4426954 | 307 |
| 1115 | Residence | 41 | 40 | 4 | 360686 | 4426911 | 307 |
| 1116 | Residence | 34 | 33 | 4 | 361088 | 4426658 | 309 |
| 1117 | Residence | 36 | 36 | 4 | 360393 | 4426418 | 300 |

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 1118 | Residence | 34 | 33 | 4 | 360449 | 4426129 | 298 |
| 1119 | Residence | 32 | 31 | 4 | 360416 | 4425719 | 295 |
| 1120 | Residence | 31 | 31 | 4 | 360483 | 4425713 | 296 |
| 1121 | Residence | 31 | 31 | 4 | 360508 | 4425711 | 296 |
| 1122 | Residence | 31 | 31 | 4 | 360540 | 4425716 | 296 |
| 1123 | Residence | 31 | 30 | 4 | 360579 | 4425714 | 296 |
| 1124 | Residence | 30 | 29 | 4 | 360601 | 4425754 | 295 |
| 1125 | Residence | 29 | 29 | 4 | 360697 | 4425743 | 294 |
| 1126 | Residence | 29 | 28 | 4 | 360755 | 4425688 | 293 |
| 1127 | Residence | 28 | 28 | 4 | 360820 | 4425694 | 293 |
| 1128 | Residence | 28 | 28 | 4 | 360789 | 4425691 | 293 |
| 1129 | Residence | 30 | 29 | 4 | 360651 | 4425774 | 294 |
| 1130 | Residence | 32 | 32 | 4 | 361123 | 4426470 | 307 |
| 1131 | Residence | 31 | 30 | 4 | 361179 | 4426352 | 305 |
| 1132 | Residence | 30 | 30 | 4 | 361144 | 4426290 | 304 |
| 1133 | Residence | 29 | 29 | 4 | 361159 | 4426193 | 302 |
| 1134 | Residence | 30 | 30 | 4 | 361052 | 4426232 | 301 |
| 1135 | Residence | 30 | 29 | 4 | 361070 | 4426199 | 301 |
| 1136 | Residence | 29 | 28 | 4 | 361179 | 4426125 | 301 |
| 1137 | Residence | 29 | 29 | 4 | 361123 | 4426122 | 300 |
| 1138 | Residence | 29 | 28 | 4 | 361151 | 4426121 | 301 |
| 1139 | Residence | 29 | 28 | 4 | 361206 | 4426132 | 302 |
| 1140 | Residence | 29 | 28 | 4 | 361238 | 4426136 | 302 |
| 1141 | Residence | 29 | 28 | 4 | 361268 | 4426128 | 302 |
| 1142 | Residence | 28 | 28 | 4 | 361299 | 4426128 | 303 |
| 1143 | Residence | 29 | 28 | 4 | 361136 | 4426065 | 300 |
| 1144 | Residence | 29 | 28 | 4 | 361181 | 4426063 | 300 |
| 1145 | Residence | 29 | 28 | 4 | 361179 | 4426035 | 300 |
| 1146 | Residence | 28 | 28 | 4 | 361233 | 4426076 | 301 |
| 1147 | Residence | 28 | 28 | 4 | 361264 | 4426074 | 301 |
| 1148 | Residence | 28 | 27 | 4 | 361292 | 4426070 | 301 |
| 1149 | Residence | 28 | 27 | 4 | 361324 | 4426070 | 302 |
| 1150 | Residence | 28 | 28 | 4 | 361233 | 4426036 | 301 |
| 1151 | Residence | 28 | 27 | 4 | 361240 | 4426006 | 301 |
| 1152 | Residence | 29 | 28 | 4 | 361175 | 4426006 | 300 |
| 1153 | Residence | 28 | 28 | 4 | 361174 | 4425973 | 300 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 1154 | Residence | 28 | 27 | 4 | 361241 | 4425971 | 301 |
| 1155 | Residence | 28 | 27 | 4 | 361274 | 4426027 | 301 |
| 1156 | Residence | 28 | 27 | 4 | 361309 | 4426022 | 301 |
| 1157 | Residence | 28 | 27 | 4 | 361331 | 4426018 | 301 |
| 1158 | Residence | 28 | 27 | 4 | 361313 | 4425965 | 301 |
| 1159 | Residence | 28 | 27 | 4 | 361285 | 4425959 | 301 |
| 1160 | Residence | 27 | 27 | 4 | 361321 | 4425919 | 300 |
| 1161 | Residence | 27 | 26 | 4 | 361353 | 4425910 | 300 |
| 1162 | Residence | 27 | 26 | 4 | 361381 | 4425929 | 301 |
| 1163 | Residence | 27 | 27 | 4 | 361384 | 4425963 | 301 |
| 1164 | Residence | 27 | 27 | 4 | 361388 | 4426013 | 302 |
| 1165 | Residence | 28 | 27 | 4 | 361384 | 4426041 | 302 |
| 1166 | Residence | 28 | 27 | 4 | 361386 | 4426075 | 302 |
| 1167 | Residence | 28 | 27 | 4 | 361388 | 4426107 | 303 |
| 1168 | Residence | 28 | 27 | 4 | 361362 | 4426127 | 303 |
| 1169 | Residence | 28 | 28 | 4 | 361328 | 4426127 | 303 |
| 1170 | Residence | 28 | 28 | 4 | 361159 | 4425929 | 300 |
| 1171 | Residence | 29 | 28 | 4 | 361028 | 4425944 | 299 |
| 1172 | Residence | 28 | 27 | 4 | 361205 | 4425854 | 300 |
| 1173 | Residence | 30 | 29 | 4 | 360964 | 4426030 | 299 |
| 1174 | Residence | 30 | 30 | 4 | 360973 | 4426100 | 301 |
| 1175 | Residence | 29 | 28 | 4 | 360991 | 4425905 | 299 |
| 1176 | Residence | 28 | 27 | 4 | 360982 | 4425654 | 294 |
| 1177 | Residence | 27 | 27 | 4 | 361037 | 4425683 | 294 |
| 1178 | Residence | 28 | 28 | 4 | 360915 | 4425768 | 294 |
| 1179 | Residence | 28 | 27 | 4 | 360880 | 4425688 | 292 |
| 1180 | Residence | 30 | 29 | 4 | 360632 | 4425748 | 293 |
| 1181 | Residence | 30 | 30 | 4 | 360574 | 4425653 | 296 |
| 1182 | Residence | 30 | 30 | 4 | 360506 | 4425650 | 295 |
| 1183 | Residence | 26 | 25 | 4 | 361119 | 4425338 | 293 |
| 1184 | Residence | 23 | 22 | 4 | 360898 | 4424684 | 294 |
| 1185 | Residence | 23 | 22 | 4 | 359262 | 4424172 | 321 |
| 1186 | Residence | 26 | 25 | 4 | 359400 | 4425010 | 299 |
| 1187 | Residence | 26 | 26 | 4 | 359405 | 4425052 | 300 |
| 1188 | Residence | 28 | 28 | 4 | 359409 | 4425095 | 301 |
| 1189 | Residence | 29 | 29 | 4 | 359423 | 4425207 | 303 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 1190 | Residence | 30 | 30 | 4 | 359452 | 4425315 | 302 |
| 1191 | Residence | 29 | 29 | 4 | 359681 | 4425223 | 295 |
| 1192 | Residence | 27 | 26 | 4 | 359402 | 4424838 | 303 |
| 1193 | Residence | 27 | 26 | 4 | 359446 | 4424934 | 300 |
| 1194 | Residence | 27 | 26 | 4 | 359472 | 4424888 | 302 |
| 1195 | Residence | 27 | 26 | 4 | 359436 | 4424844 | 304 |
| 1196 | Residence | 27 | 26 | 4 | 359466 | 4424834 | 304 |
| 1197 | Residence | 27 | 26 | 4 | 359502 | 4424822 | 304 |
| 1198 | Residence | 27 | 26 | 4 | 359529 | 4424825 | 304 |
| 1199 | Residence | 27 | 26 | 4 | 359555 | 4424818 | 304 |
| 1200 | Residence | 27 | 26 | 4 | 359470 | 4424959 | 299 |
| 1201 | Residence | 27 | 27 | 4 | 359497 | 4424965 | 299 |
| 1202 | Residence | 27 | 27 | 4 | 359527 | 4424966 | 299 |
| 1203 | Residence | 27 | 27 | 4 | 359555 | 4424965 | 299 |
| 1204 | Residence | 28 | 27 | 4 | 359582 | 4424963 | 299 |
| 1205 | Residence | 27 | 27 | 4 | 359537 | 4424919 | 301 |
| 1206 | Residence | 27 | 27 | 4 | 359501 | 4424913 | 301 |
| 1207 | Residence | 27 | 26 | 4 | 359535 | 4424868 | 302 |
| 1208 | Residence | 27 | 26 | 4 | 359501 | 4424871 | 302 |
| 1209 | Residence | 27 | 26 | 4 | 359569 | 4424870 | 302 |
| 1210 | Residence | 27 | 26 | 4 | 359594 | 4424867 | 302 |
| 1211 | Residence | 27 | 26 | 4 | 359592 | 4424821 | 304 |
| 1212 | Residence | 27 | 26 | 4 | 359618 | 4424819 | 304 |
| 1213 | Residence | 27 | 26 | 4 | 359653 | 4424816 | 303 |
| 1214 | Residence | 27 | 26 | 4 | 359673 | 4424836 | 303 |
| 1215 | Residence | 27 | 26 | 4 | 359660 | 4424859 | 302 |
| 1216 | Residence | 27 | 27 | 4 | 359624 | 4424870 | 302 |
| 1217 | Residence | 27 | 27 | 4 | 359570 | 4424916 | 301 |
| 1218 | Residence | 27 | 27 | 4 | 359605 | 4424914 | 301 |
| 1219 | Residence | 27 | 27 | 4 | 359625 | 4424913 | 301 |
| 1220 | Residence | 27 | 27 | 4 | 359668 | 4424912 | 301 |
| 1221 | Residence | 27 | 27 | 4 | 359694 | 4424893 | 302 |
| 1222 | Residence | 27 | 27 | 4 | 359709 | 4424877 | 303 |
| 1223 | Residence | 27 | 26 | 4 | 359726 | 4424851 | 303 |
| 1224 | Residence | 28 | 27 | 4 | 359623 | 4424960 | 300 |
| 1225 | Residence | 28 | 27 | 4 | 359653 | 4424957 | 300 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 1226 | Residence | 28 | 27 | 4 | 359679 | 4424954 | 301 |
| 1227 | Residence | 28 | 27 | 4 | 359708 | 4424959 | 302 |
| 1228 | Residence | 28 | 27 | 4 | 359744 | 4424960 | 303 |
| 1229 | Residence | 27 | 27 | 4 | 359747 | 4424906 | 303 |
| 1230 | Residence | 27 | 27 | 4 | 359770 | 4424878 | 304 |
| 1231 | Residence | 27 | 27 | 4 | 359792 | 4424860 | 304 |
| 1232 | Residence | 27 | 27 | 4 | 359817 | 4424851 | 304 |
| 1233 | Residence | 27 | 27 | 4 | 359776 | 4424919 | 303 |
| 1234 | Residence | 28 | 27 | 4 | 359799 | 4424941 | 303 |
| 1235 | Residence | 28 | 27 | 4 | 359804 | 4424959 | 303 |
| 1236 | Residence | 28 | 27 | 4 | 359762 | 4424988 | 302 |
| 1237 | Residence | 28 | 27 | 4 | 359810 | 4424985 | 302 |
| 1238 | Residence | 28 | 28 | 4 | 359811 | 4425019 | 302 |
| 1239 | Residence | 28 | 28 | 4 | 359770 | 4425018 | 302 |
| 1240 | Residence | 28 | 28 | 4 | 359766 | 4425048 | 302 |
| 1241 | Residence | 28 | 28 | 4 | 359814 | 4425050 | 302 |
| 1242 | Residence | 27 | 26 | 4 | 359745 | 4424831 | 304 |
| 1243 | Residence | 27 | 26 | 4 | 359762 | 4424820 | 304 |
| 1244 | Residence | 27 | 26 | 4 | 359788 | 4424811 | 304 |
| 1245 | Residence | 27 | 26 | 4 | 359817 | 4424806 | 304 |
| 1246 | Residence | 27 | 26 | 4 | 359848 | 4424801 | 304 |
| 1247 | Residence | 27 | 27 | 4 | 359853 | 4424855 | 303 |
| 1248 | Residence | 27 | 27 | 4 | 359854 | 4424891 | 302 |
| 1249 | Residence | 28 | 27 | 4 | 359855 | 4424926 | 302 |
| 1250 | Residence | 28 | 27 | 4 | 359858 | 4424954 | 302 |
| 1251 | Residence | 28 | 27 | 4 | 359901 | 4424948 | 301 |
| 1252 | Residence | 27 | 27 | 4 | 359898 | 4424915 | 302 |
| 1253 | Residence | 27 | 27 | 4 | 359903 | 4424883 | 302 |
| 1254 | Residence | 27 | 26 | 4 | 359895 | 4424850 | 302 |
| 1255 | Residence | 27 | 26 | 4 | 359900 | 4424801 | 302 |
| 1256 | Residence | 27 | 26 | 4 | 359927 | 4424796 | 302 |
| 1257 | Residence | 27 | 26 | 4 | 359959 | 4424793 | 302 |
| 1258 | Residence | 27 | 26 | 4 | 359987 | 4424793 | 302 |
| 1259 | Residence | 27 | 26 | 4 | 359936 | 4424841 | 301 |
| 1260 | Residence | 27 | 27 | 4 | 359938 | 4424876 | 301 |
| 1261 | Residence | 27 | 27 | 4 | 359940 | 4424904 | 301 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 1262 | Residence | 28 | 27 | 4 | 359947 | 4424938 | 301 |
| 1263 | Residence | 27 | 27 | 4 | 359995 | 4424903 | 301 |
| 1264 | Residence | 27 | 27 | 4 | 359992 | 4424876 | 301 |
| 1265 | Residence | 27 | 26 | 4 | 359989 | 4424849 | 301 |
| 1266 | Residence | 27 | 27 | 4 | 360000 | 4424932 | 300 |
| 1267 | Residence | 28 | 27 | 4 | 359995 | 4424970 | 300 |
| 1268 | Residence | 28 | 27 | 4 | 359949 | 4424997 | 300 |
| 1269 | Residence | 28 | 27 | 4 | 359945 | 4424966 | 300 |
| 1270 | Residence | 28 | 27 | 4 | 359900 | 4424980 | 301 |
| 1271 | Residence | 28 | 28 | 4 | 359902 | 4425012 | 300 |
| 1272 | Residence | 28 | 28 | 4 | 359860 | 4425015 | 301 |
| 1273 | Residence | 28 | 27 | 4 | 359859 | 4424983 | 302 |
| 1274 | Residence | 29 | 28 | 4 | 359770 | 4425080 | 301 |
| 1275 | Residence | 29 | 28 | 4 | 359773 | 4425110 | 300 |
| 1276 | Residence | 29 | 28 | 4 | 359817 | 4425082 | 301 |
| 1277 | Residence | 29 | 28 | 4 | 359796 | 4425132 | 298 |
| 1278 | Residence | 29 | 28 | 4 | 359829 | 4425130 | 299 |
| 1279 | Residence | 29 | 28 | 4 | 359860 | 4425128 | 298 |
| 1280 | Residence | 29 | 28 | 4 | 359863 | 4425072 | 300 |
| 1281 | Residence | 28 | 28 | 4 | 359863 | 4425046 | 300 |
| 1282 | Residence | 28 | 28 | 4 | 359907 | 4425045 | 299 |
| 1283 | Residence | 28 | 28 | 4 | 359910 | 4425073 | 299 |
| 1284 | Residence | 28 | 28 | 4 | 359950 | 4425028 | 299 |
| 1285 | Residence | 28 | 28 | 4 | 359948 | 4425060 | 298 |
| 1286 | Residence | 28 | 28 | 4 | 359951 | 4425084 | 297 |
| 1287 | Residence | 28 | 28 | 4 | 359999 | 4425083 | 296 |
| 1288 | Residence | 28 | 28 | 4 | 360002 | 4425053 | 297 |
| 1289 | Residence | 28 | 27 | 4 | 359995 | 4425023 | 298 |
| 1290 | Residence | 28 | 27 | 4 | 359993 | 4424997 | 299 |
| 1291 | Residence | 28 | 27 | 4 | 359995 | 4424970 | 300 |
| 1292 | Residence | 28 | 27 | 4 | 360035 | 4424993 | 299 |
| 1293 | Residence | 28 | 27 | 4 | 360042 | 4425023 | 298 |
| 1294 | Residence | 28 | 28 | 4 | 360042 | 4425054 | 296 |
| 1295 | Residence | 28 | 28 | 4 | 360044 | 4425085 | 296 |
| 1296 | Residence | 28 | 28 | 4 | 360045 | 4425120 | 295 |
| 1297 | Residence | 29 | 28 | 4 | 360003 | 4425124 | 295 |

Noise Assessment

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 1298 | Residence | 29 | 28 | 4 | 359884 | 4425127 | 298 |
| 1299 | Residence | 29 | 28 | 4 | 359921 | 4425130 | 297 |
| 1300 | Residence | 29 | 28 | 4 | 359961 | 4425161 | 295 |
| 1301 | Residence | 28 | 28 | 4 | 359984 | 4425174 | 294 |
| 1302 | Residence | 29 | 28 | 4 | 360016 | 4425171 | 294 |
| 1303 | Residence | 28 | 28 | 4 | 360097 | 4425171 | 294 |
| 1304 | Residence | 29 | 28 | 4 | 360124 | 4425168 | 295 |
| 1305 | Residence | 29 | 28 | 4 | 360149 | 4425171 | 295 |
| 1306 | Residence | 29 | 28 | 4 | 360168 | 4425155 | 296 |
| 1307 | Residence | 29 | 28 | 4 | 360169 | 4425128 | 296 |
| 1308 | Residence | 28 | 28 | 4 | 360145 | 4425109 | 296 |
| 1309 | Residence | 29 | 28 | 4 | 360121 | 4425113 | 296 |
| 1310 | Residence | 28 | 28 | 4 | 360094 | 4425117 | 295 |
| 1311 | Residence | 28 | 28 | 4 | 360095 | 4425080 | 295 |
| 1312 | Residence | 28 | 28 | 4 | 360042 | 4425171 | 294 |
| 1313 | Residence | 24 | 23 | 4 | 361839 | 4429075 | 332 |
| 1314 | Residence | 28 | 28 | 4 | 360085 | 4425045 | 296 |
| 1315 | Residence | 28 | 27 | 4 | 360115 | 4425034 | 297 |
| 1316 | Residence | 28 | 27 | 4 | 360138 | 4425036 | 297 |
| 1317 | Residence | 28 | 27 | 4 | 360171 | 4425032 | 297 |
| 1318 | Residence | 28 | 27 | 4 | 360168 | 4424986 | 299 |
| 1319 | Residence | 28 | 27 | 4 | 360140 | 4424984 | 299 |
| 1320 | Residence | 28 | 27 | 4 | 360113 | 4424988 | 299 |
| 1321 | Residence | 28 | 27 | 4 | 360088 | 4424988 | 300 |
| 1322 | Residence | 27 | 27 | 4 | 360083 | 4424939 | 301 |
| 1323 | Residence | 27 | 27 | 4 | 360126 | 4424945 | 301 |
| 1324 | Residence | 27 | 27 | 4 | 360159 | 4424921 | 302 |
| 1325 | Residence | 27 | 26 | 4 | 360156 | 4424886 | 302 |
| 1326 | Residence | 27 | 26 | 4 | 360121 | 4424875 | 302 |
| 1327 | Residence | 27 | 27 | 4 | 360083 | 4424887 | 302 |
| 1328 | Residence | 27 | 26 | 4 | 360087 | 4424830 | 302 |
| 1329 | Residence | 27 | 26 | 4 | 360122 | 4424840 | 302 |
| 1330 | Residence | 26 | 26 | 4 | 360142 | 4424786 | 302 |
| 1331 | Residence | 27 | 26 | 4 | 360144 | 4424820 | 302 |
| 1332 | Residence | 27 | 26 | 4 | 360035 | 4424840 | 301 |
| 1333 | Residence | 27 | 26 | 4 | 360033 | 4424872 | 301 |

| Receiver ID | Receiver Type | Sound Pressure Level (dBA) | | Relative Height (m) | Coordinates (UTM NAD83 Z17N) | | |
|-------------|---------------|----------------------------|-----------|---------------------|------------------------------|---------|-------|
| | | Daytime | Nighttime | | X (m) | Y (m) | Z (m) |
| 1334 | Residence | 27 | 27 | 4 | 360033 | 4424900 | 301 |
| 1335 | Residence | 27 | 27 | 4 | 360036 | 4424925 | 301 |
| 1336 | Residence | 28 | 27 | 4 | 360037 | 4424959 | 300 |
| 1337 | Residence | 26 | 26 | 4 | 360104 | 4424777 | 302 |
| 1338 | Residence | 26 | 26 | 4 | 360077 | 4424786 | 302 |
| 1339 | Residence | 27 | 26 | 4 | 360049 | 4424788 | 303 |
| 1340 | Residence | 27 | 26 | 4 | 360019 | 4424789 | 302 |
| 1343 | Commercial | 28 | 27 | 4 | 357791 | 4426916 | 301 |



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