

**EXISTING BASELINE EMISSIONS MODELING
OUTPUTS**

Location: W:\Projects\2023\2023-145_10th & Flower Park - Santa Ana\01-Project_Update\Noise\Baseline Noise Measurement Map\10th & Flower Park Baseline Noise Measurement Map.aprx - Portrait Template (agne - 6/7/2024)



Map Date: 6/7/2024
Sources: Esri 2024

Baseline Noise Measurement Map

Site Number: Short Term #1			
Recorded By: Lindsay Buck			
Job Number: 2023-145			
Date: May 22, 2024			
Time: 10:49 a.m. – 11:04 a.m.			
Location: In the alleyway west of 842 N Parton Street			
Source of Peak Noise: Vehicles on Flower Street; Overhead airplanes; Birds			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
48.2	43.9	61.4	89.8

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Larson Davis	LxT SE	0006133	05/25/2023	
	Microphone	Larson Davis	377B02	346688	05/23/2023	
	Preamp	Larson Davis	PRMLxT1L	069947	05/25/2023	
	Calibrator	Larson Davis	CAL200	17325	05/12/2023	
Weather Data						
Est.	Duration: 15 minutes			Sky: Overcast		
	Note: dBA Offset = 0.05			Sensor Height (ft): 3.5 feet		
	Wind Ave Speed (mph)		Temperature (degrees Fahrenheit)		Barometer Pressure (hPa)	
	5 mph		64°		29.96	

Photo of Measurement Location



Measurement Report

Report Summary

Meter's File Name	LxT_Data.123.s	Computer's File Name	LxT_0006133-20240522 104913-LxT_Data.123.ldbin		
Meter	LxT1 0006133	Firmware	2.404		
User		Location			
Job Description					
Note					
Start Time	2024-05-22 10:49:13	Duration	0:15:23.3	Pause Time	0:00:00.0
End Time	2024-05-22 11:04:36	Run Time	0:15:23.3	Calibration Deviation	---
Pre-Calibration	2024-05-21 10:29:53	Post-Calibration	None		

Results

Overall Metrics

LA _{eq}	48.2 dB		
LAE	77.9 dB	SEA	--- dB
EA	6.8 μPa²h		
EA8	211.4 μPa²h		
EA40	1.1 mPa²h		
LZS _{peak}	89.8 dB	2024-05-22 10:49:32	
LAS _{max}	61.4 dB	2024-05-22 10:49:13	
LAS _{min}	43.9 dB	2024-05-22 10:49:36	
LA _{eq}	48.2 dB		
LC _{eq}	63.9 dB	LC _{eq} - LA _{eq}	15.7 dB
LA _{Ieq}	50.1 dB	LA _{Ieq} - LA _{eq}	1.9 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZSpk > 135.0 dB	0	0:00:00.0
LZSpk > 137.0 dB	0	0:00:00.0
LZSpk > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
48.2 dB	48.2 dB	0.0 dB	
LDEN	LDay	LEve	LNight
48.2 dB	48.2 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	48.2 dB		--- dB		--- dB	
L _{q(max)}	61.4 dB	2024-05-22 10:49:13	--- dB	None	--- dB	None
L _{q(min)}	43.9 dB	2024-05-22 10:49:36	--- dB	None	--- dB	None
L _{Peak(max)}	--- dB	None	--- dB	None	89.8 dB	2024-05-22 10:49:32

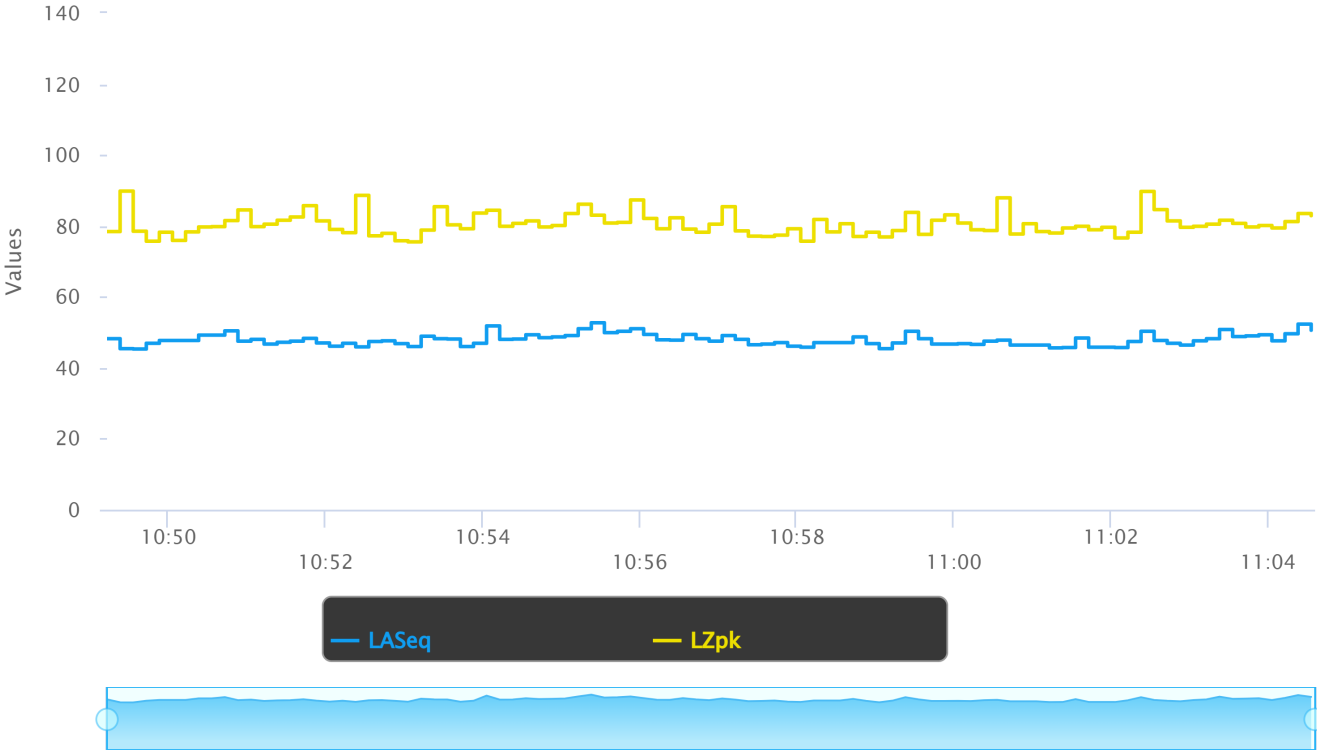
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 5.0	51.2 dB
LAS 10.0	50.1 dB
LAS 33.3	48.1 dB
LAS 50.0	47.4 dB
LAS 66.6	46.8 dB
LAS 90.0	45.7 dB

Time History



Site Number: Short Term #2			
Recorded By: Lindsay Buck			
Job Number: 2023-145			
Date: May 22, 2024			
Time: 11:08 a.m. – 11:23 a.m.			
Location: Southwest corner of 10 Street and Parton			
Source of Peak Noise: Vehicles on 10 th Street and Parton Street			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
54.6	41.7	71.4	98.2

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Larson Davis	LxT SE	0006133	05/25/2023	
	Microphone	Larson Davis	377B02	346688	05/23/2023	
	Preamp	Larson Davis	PRMLxT1L	069947	05/25/2023	
	Calibrator	Larson Davis	CAL200	17325	05/12/2023	
Weather Data						
Est.	Duration: 15 minutes			Sky: Overcast		
	Note: dBA Offset = 0.05			Sensor Height (ft): 3.5 feet		
	Wind Ave Speed (mph)		Temperature (degrees Fahrenheit)		Barometer Pressure (hPa)	
	5 mph		65°		29.96	

Photo of Measurement Location



Measurement Report

Report Summary

Meter's File Name	LxT_Data.124.s	Computer's File Name	LxT_0006133-20240522 110805-LxT_Data.124.ldbin		
Meter	LxT1 0006133	Firmware	2.404		
User		Location			
Job Description					
Note					
Start Time	2024-05-22 11:08:05	Duration	0:15:01.2		
End Time	2024-05-22 11:23:06	Run Time	0:15:01.2	Pause Time	0:00:00.0
Pre-Calibration	2024-05-21 10:29:53	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA _{eq}	54.6 dB		
LAE	84.1 dB	SEA	--- dB
EA	28.9 μPa²h		
EA8	922.9 μPa²h		
EA40	4.6 mPa²h		
LZS _{peak}	98.2 dB		2024-05-22 11:16:21
LAS _{max}	71.4 dB		2024-05-22 11:20:20
LAS _{min}	41.7 dB		2024-05-22 11:13:24
LA _{eq}	54.6 dB		
LC _{eq}	65.9 dB	LC _{eq} - LA _{eq}	11.3 dB
LA _{Ieq}	57.6 dB	LA _{Ieq} - LA _{eq}	3.0 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZSpk > 135.0 dB	0	0:00:00.0
LZSpk > 137.0 dB	0	0:00:00.0
LZSpk > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
54.6 dB	54.6 dB	0.0 dB	
LDEN	LDay	LEve	LNight
54.6 dB	54.6 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	54.6 dB		--- dB		--- dB	
L _{q(max)}	71.4 dB	2024-05-22 11:20:20	--- dB	None	--- dB	None
L _{S(min)}	41.7 dB	2024-05-22 11:13:24	--- dB	None	--- dB	None
L _{Peak(max)}	--- dB	None	--- dB	None	98.2 dB	2024-05-22 11:16:21

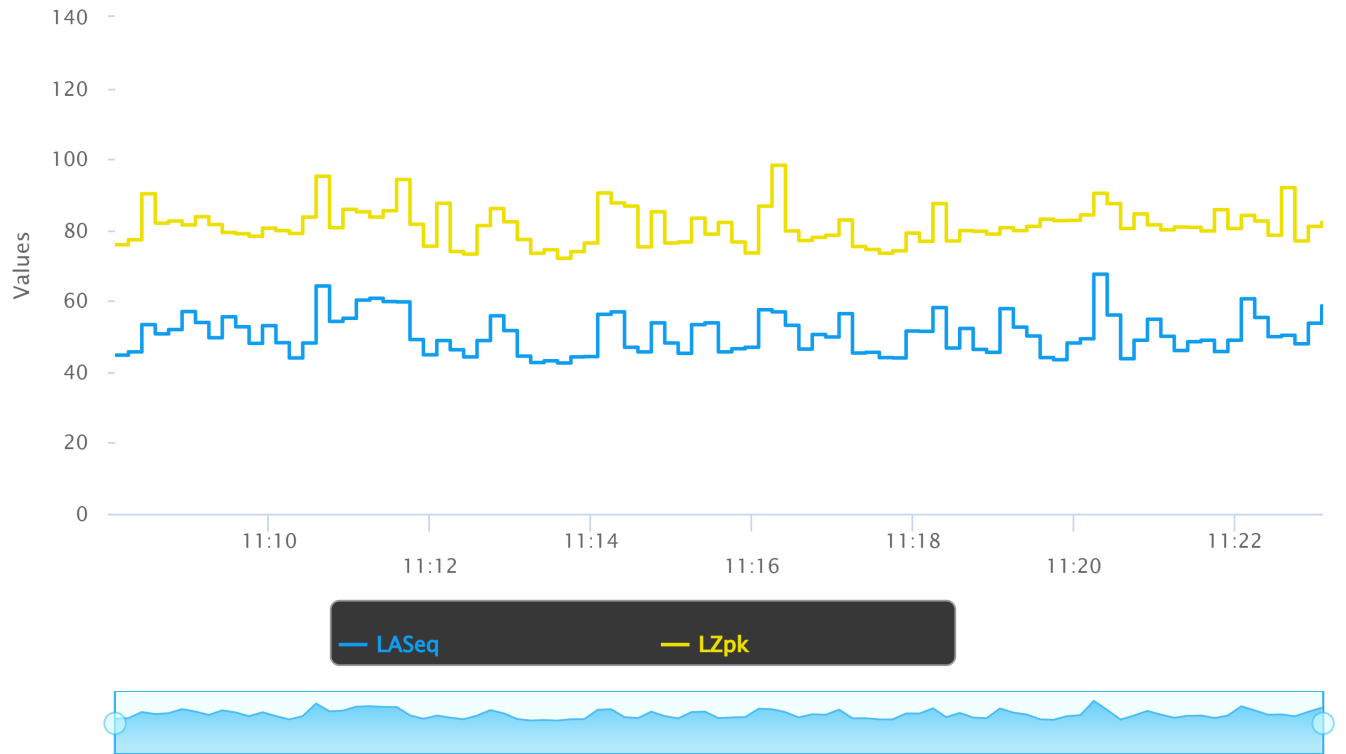
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 5.0	60.5 dB
LAS 10.0	58.2 dB
LAS 33.3	51.0 dB
LAS 50.0	48.2 dB
LAS 66.6	46.0 dB
LAS 90.0	43.7 dB

Time History



Site Number: Short Term #3			
Recorded By: Lindsay Buck			
Job Number: 2023-145			
Date: May 22, 2024			
Time: 11:26 a.m. – 11:43 a.m.			
Location: On the sidewalk south of 911 W. 10 th Street			
Source of Peak Noise: Vehicles on Flower Street and 10 th Street			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
53.4	40.8	70.1	97.5

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Larson Davis	LxT SE	0006133	05/25/2023	
	Microphone	Larson Davis	377B02	346688	05/23/2023	
	Preamp	Larson Davis	PRMLxT1L	069947	05/25/2023	
	Calibrator	Larson Davis	CAL200	17325	05/12/2023	
Weather Data						
Est.	Duration: 15 minutes			Sky: Overcast		
	Note: dBA Offset = 0.05			Sensor Height (ft): 3.5 feet		
	Wind Ave Speed (mph)		Temperature (degrees Fahrenheit)		Barometer Pressure (hPa)	
	6 mph		66°		29.97	

Photo of Measurement Location



Measurement Report

Report Summary

Meter's File Name	LxT_Data.125.s	Computer's File Name	LxT_0006133-20240522 112654-LxT_Data.125.ldbin		
Meter	LxT1 0006133	Firmware	2.404		
User		Location			
Job Description					
Note					
Start Time	2024-05-22 11:26:54	Duration	0:16:16.9	Pause Time	0:00:00.0
End Time	2024-05-22 11:43:11	Run Time	0:16:16.9	Calibration Deviation	---
Pre-Calibration	2024-05-21 10:29:53	Post-Calibration	None		

Results

Overall Metrics

LA _{eq}	53.4 dB		
LAE	83.3 dB	SEA	--- dB
EA	23.7 μPa²h		
EA8	700.1 μPa²h		
EA40	3.5 mPa²h		
LZS _{peak}	97.5 dB	2024-05-22 11:36:00	
LAS _{max}	70.1 dB	2024-05-22 11:36:00	
LAS _{min}	40.8 dB	2024-05-22 11:40:07	
LA _{eq}	53.4 dB		
LC _{eq}	64.5 dB	LC _{eq} - LA _{eq}	11.1 dB
LA _{Ieq}	55.9 dB	LA _{Ieq} - LA _{eq}	2.5 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZSpk > 135.0 dB	0	0:00:00.0
LZSpk > 137.0 dB	0	0:00:00.0
LZSpk > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
53.4 dB	53.4 dB	0.0 dB	
LDEN	LDay	LEve	LNight
53.4 dB	53.4 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	53.4 dB		--- dB		--- dB	
L _{q(max)}	70.1 dB	2024-05-22 11:36:00	--- dB	None	--- dB	None
L _{q(min)}	40.8 dB	2024-05-22 11:40:07	--- dB	None	--- dB	None
L _{Peak(max)}	--- dB	None	--- dB	None	97.5 dB	2024-05-22 11:36:00

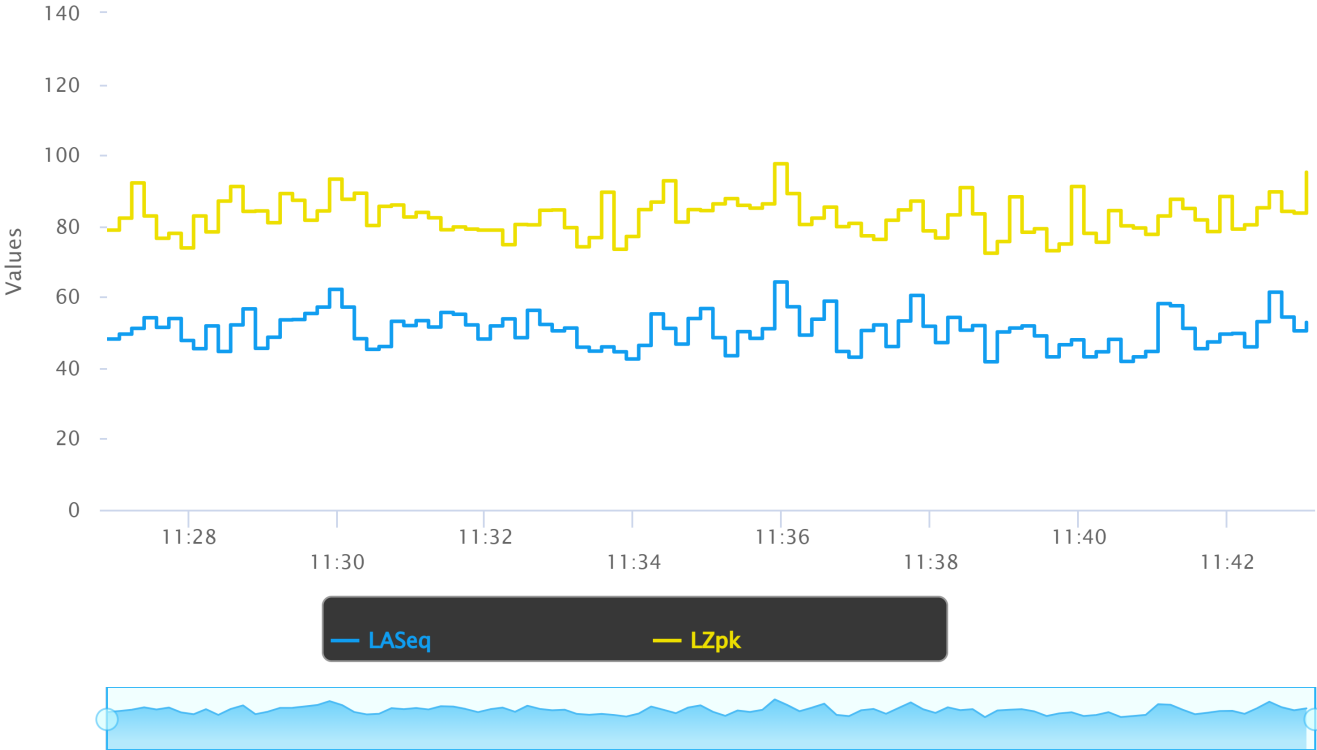
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 5.0	58.4 dB
LAS 10.0	56.1 dB
LAS 33.3	52.1 dB
LAS 50.0	49.0 dB
LAS 66.6	46.7 dB
LAS 90.0	43.2 dB

Time History



Site Number: Short Term #4			
Recorded By: Lindsay Buck			
Job Number: 2023-145			
Date: May 22, 2024			
Time: 11:45 a.m. – 12:00 p.m.			
Location: East of 906 Flower Street			
Source of Peak Noise: Vehicles on Flower Street			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
69.0	47.0	81.8	105.0

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Larson Davis	LxT SE	0006133	05/25/2023	
	Microphone	Larson Davis	377B02	346688	05/23/2023	
	Preamp	Larson Davis	PRMLxT1L	069947	05/25/2023	
	Calibrator	Larson Davis	CAL200	17325	05/12/2023	
Weather Data						
Est.	Duration: 15 minutes			Sky: Overcast		
	Note: dBA Offset = 0.05			Sensor Height (ft): 3.5 feet		
	Wind Ave Speed (mph)		Temperature (degrees Fahrenheit)		Barometer Pressure (hPa)	
	6 mph		67°		29.96	

Photo of Measurement Location



Measurement Report

Report Summary

Meter's File Name	LxT_Data.126.s	Computer's File Name	LxT_0006133-20240522 114531-LxT_Data.126.ldbin		
Meter	LxT1 0006133	Firmware	2.404		
User		Location			
Job Description					
Note					
Start Time	2024-05-22 11:45:31	Duration	0:15:00.6	Pause Time	0:00:00.0
End Time	2024-05-22 12:00:32	Run Time	0:15:00.6	Calibration Deviation	---
Pre-Calibration	2024-05-21 10:29:53	Post-Calibration	None		

Results

Overall Metrics

LA _{eq}	69.0 dB		
LAE	98.5 dB	SEA	--- dB
EA	794.9 $\mu\text{Pa}^2\text{h}$		
EA8	25.4 mPa^2h		
EA40	127.1 mPa^2h		
LZS _{peak}	105.0 dB	2024-05-22 11:49:15	
LAS _{max}	81.8 dB	2024-05-22 11:49:15	
LAS _{min}	47.0 dB	2024-05-22 11:47:22	
LA _{eq}	69.0 dB		
LC _{eq}	74.9 dB	LC _{eq} - LA _{eq}	5.9 dB
LA _{Ieq}	70.9 dB	LA _{Ieq} - LA _{eq}	1.9 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZSpk > 135.0 dB	0	0:00:00.0
LZSpk > 137.0 dB	0	0:00:00.0
LZSpk > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight		
69.0 dB	69.0 dB	0.0 dB		
LDEN	LDay	LEve	LNight	
69.0 dB	69.0 dB	--- dB	--- dB	

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	69.0 dB		--- dB		--- dB	
L _{q(max)}	81.8 dB	2024-05-22 11:49:15	--- dB	None	--- dB	None
L _{q(min)}	47.0 dB	2024-05-22 11:47:22	--- dB	None	--- dB	None
L _{Peak(max)}	--- dB	None	--- dB	None	105.0 dB	2024-05-22 11:49:15

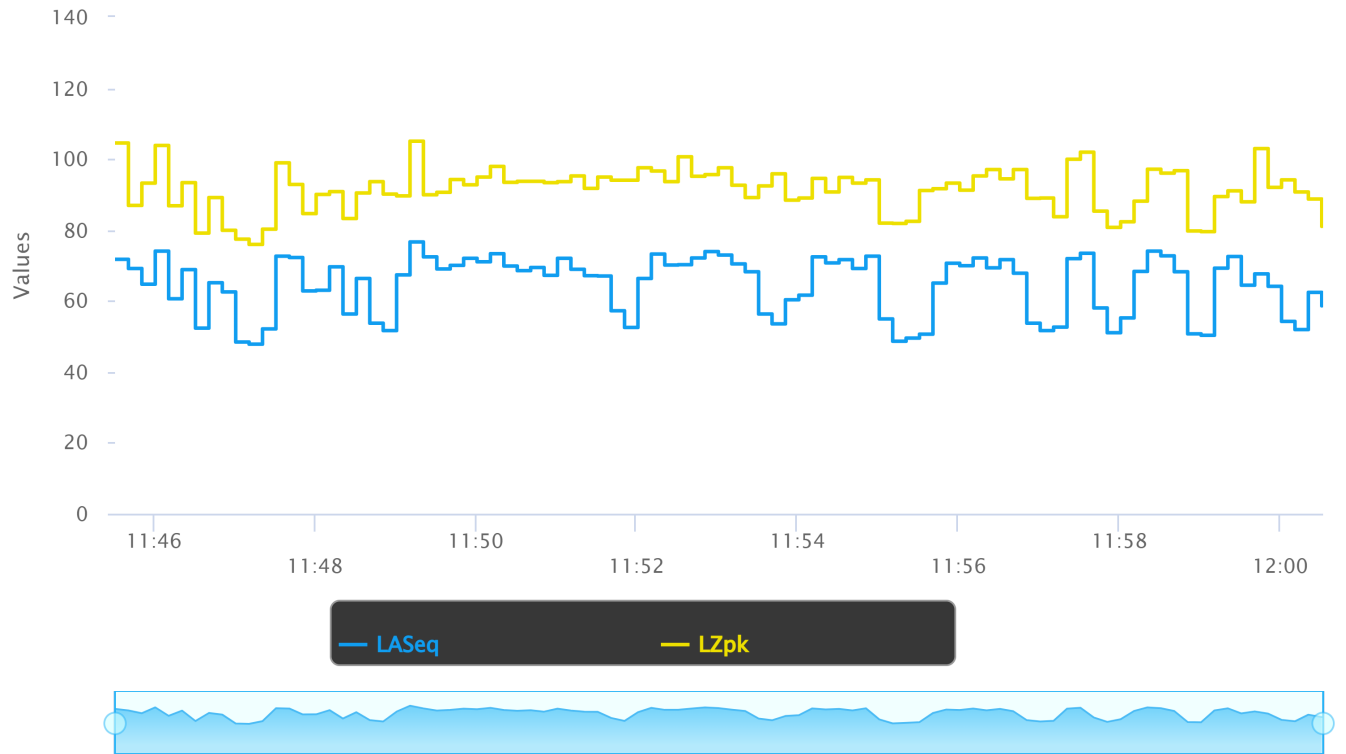
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 5.0	74.7 dB
LAS 10.0	73.5 dB
LAS 33.3	68.9 dB
LAS 50.0	64.2 dB
LAS 66.6	57.8 dB
LAS 90.0	50.1 dB

Time History



Site Number: Long Term #1				
Recorded By: Lindsay Buck				
Job Number: 2023-145				
Date: May 21 - May 22, 2024				
Time: 10:41 a.m. – 10:41 a.m.				
Location: Southwest corner of the Project Site				
Source of Peak Noise: Vehicles on Flower Street and Garnsey Street				
Noise Data				
CNEL (dB)	Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
59.6	57.0	35.1	94.8	110.2

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Larson Davis	LxT SE	0006133	05/25/2023	
	Microphone	Larson Davis	377B02	346688	05/23/2023	
	Preamp	Larson Davis	PRMLxT1L	069947	05/25/2023	
	Calibrator	Larson Davis	CAL200	17325	05/12/2023	
Weather Data						
Est.	Duration: 24 Hours			Sky: Overcast		
	Note: dBA Offset = 0.05			Sensor Height (ft): 4.5 feet		
	Wind Ave Speed (mph)		Temperature (degrees Fahrenheit)		Barometer Pressure (hPa)	
	5 mph		66°		29.95	

Photo of Measurement Location



Measurement Report

Report Summary

Meter's File Name	LxT_Data.122.s	Computer's File Name	LxT_0006133-20240521 104101-LxT_Data.122.ldbin		
Meter	LxT1 0006133	Firmware	2.404		
User		Location			
Job Description					
Note					
Start Time	2024-05-21 10:41:01	Duration	24:00:00.0		
End Time	2024-05-22 10:41:01	Run Time	24:00:00.0	Pause Time	0:00:00.0
Pre-Calibration	2024-05-21 10:29:55	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA _{eq}	57.0 dB		
LAE	106.4 dB	SEA	--- dB
EA	4.8 mPa²h		
EA8	1.6 mPa²h		
EA40	8.0 mPa²h		
LZS _{peak}	110.2 dB	2024-05-22 08:01:53	
LAS _{max}	94.8 dB	2024-05-22 08:01:55	
LAS _{min}	35.1 dB	2024-05-22 03:00:40	
LA _{eq}	57.0 dB		
LC _{eq}	67.0 dB	LC _{eq} - LA _{eq}	10.0 dB
LA _{Ieq}	59.5 dB	LA _{Ieq} - LA _{eq}	2.5 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	3	0:00:29.0
LAS > 115.0 dB	0	0:00:00.0
LZSpk > 135.0 dB	0	0:00:00.0
LZSpk > 137.0 dB	0	0:00:00.0
LZSpk > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight		
59.3 dB	58.7 dB	0.0 dB		
LDEN	LDay	LEve	LNight	
59.6 dB	59.4 dB	53.7 dB	50.1 dB	

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	57.0 dB		--- dB		--- dB	
L _{q(max)}	94.8 dB	2024-05-22 08:01:55	--- dB	None	--- dB	None
L _{q(min)}	35.1 dB	2024-05-22 03:00:40	--- dB	None	--- dB	None
L _{Peak(max)}	--- dB	None	--- dB	None	110.2 dB	2024-05-22 08:01:53

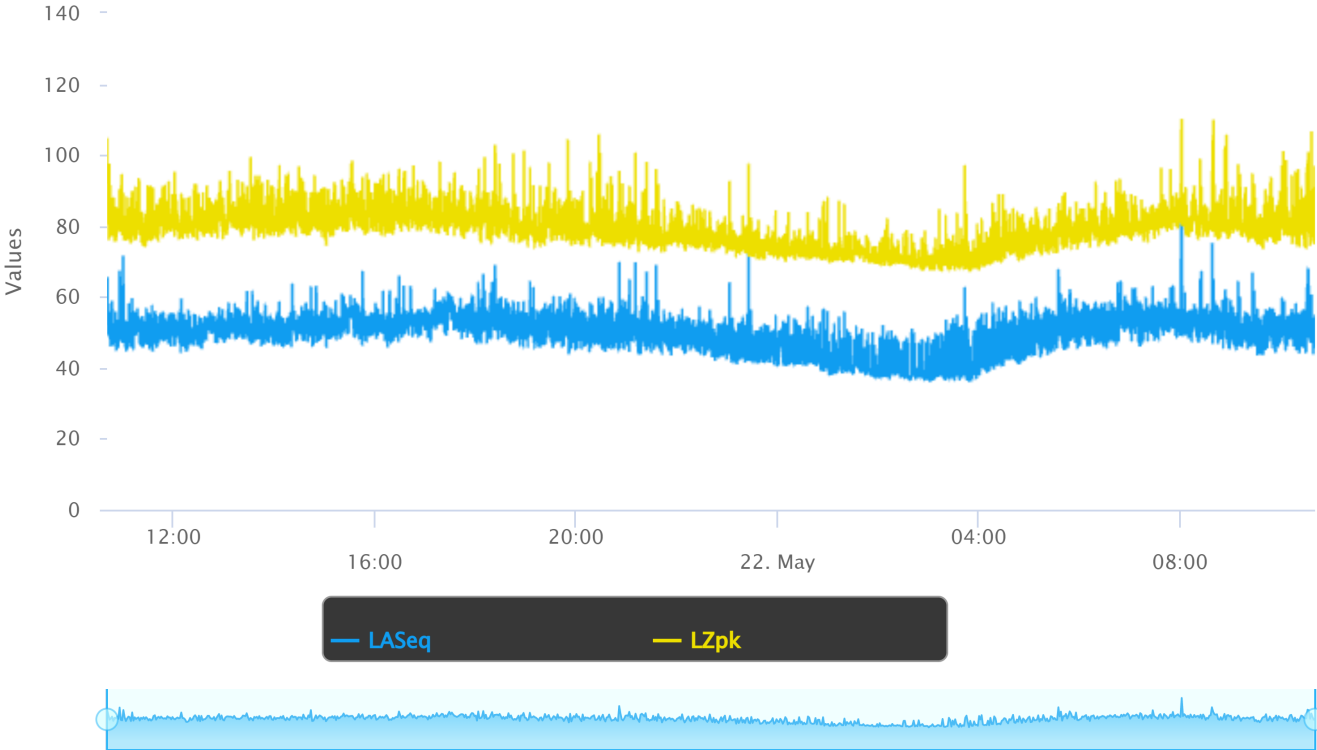
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 5.0	57.3 dB
LAS 10.0	55.7 dB
LAS 33.3	52.2 dB
LAS 50.0	50.1 dB
LAS 66.6	47.8 dB
LAS 90.0	40.7 dB

Time History



ROADWAY CONSTRUCTION NOISE MODEL OUTPUTS

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/18/2024

Case Description: Demolition

Description Affected Land Use
Demolition Residential

Description	Impact Device	Usage(%)	Equipment	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)			
Tractor	No	40	84		134	0
Tractor	No	40	84		134	0
Tractor	No	40	84		134	0
Dozer	No	40		81.7	134	0
Concrete Saw	No	20		89.6	134	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Tractor	75.4	71.5
Tractor	75.4	71.5
Tractor	75.4	71.5
Dozer	73.1	69.1
Concrete Saw	81	74
Total	81	78.8

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 6/18/2024
Case Description: Site Preparation

Description **Affected Land Use**
 Site Preparation Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Grader	No	40	85		134	0
Dozer	No	40		81.7	134	0
Tractor	No	40	84		134	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Grader	76.4	72.5
Dozer	73.1	69.1
Tractor	75.4	71.5
Total	76.4	76

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/18/2024

Case Description: Grading

Description **Affected Land Use**
 Grading Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Grader	No	40	85		134	0
Tractor	No	40	84		134	0
Tractor	No	40	84		134	0
Dozer	No	40		81.7	134	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Grader	76.4	72.5
Tractor	75.4	71.5
Tractor	75.4	71.5
Dozer	73.1	69.1
Total	76.4	77.3

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/18/2024
Case Description: Building Construction

Description **Affected Land Use**
 Building Construction Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
			Crane	No		
All Other Equipment > 5 HP	No	50	85		134	0
Generator	No	50		80.6	134	0
Tractor	No	40	84		134	0
Welder / Torch	No	40		74	134	0
Welder / Torch	No	40		74	134	0
Welder / Torch	No	40		74	134	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Crane	72	64
All Other Equipment > 5 HP	76.4	73.4
Generator	72.1	69.1
Tractor	75.4	71.5
Welder / Torch	65.4	61.5
Welder / Torch	65.4	61.5
Welder / Torch	65.4	61.5
Total	76.4	77.1

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 6/18/2024

Case Description: Paving

Description **Affected Land Use**
Paving Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Tractor	No	40	84		134	0
Paver	No	50		77.2	134	0
All Other Equipment > 5 HP	No	50	85		134	0
Roller	No	20		80	134	0
Vibratory Concrete Mixer	No	20		80	134	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Tractor	75.4	71.5
Paver	68.7	65.6
All Other Equipment > 5 HP	76.4	73.4
Roller	71.4	64.4
Vibratory Concrete Mixer	71.4	64.4
Total	76.4	76.6

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/18/2024
Case Description: Architectural Coating

Description Architectural Coating
Affected Land Use Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)
			Spec Lmax (dBA)	Actual Lmax (dBA)	
Compressor (air)	No	40		77.7	134

Results
 Calculated (dBA)

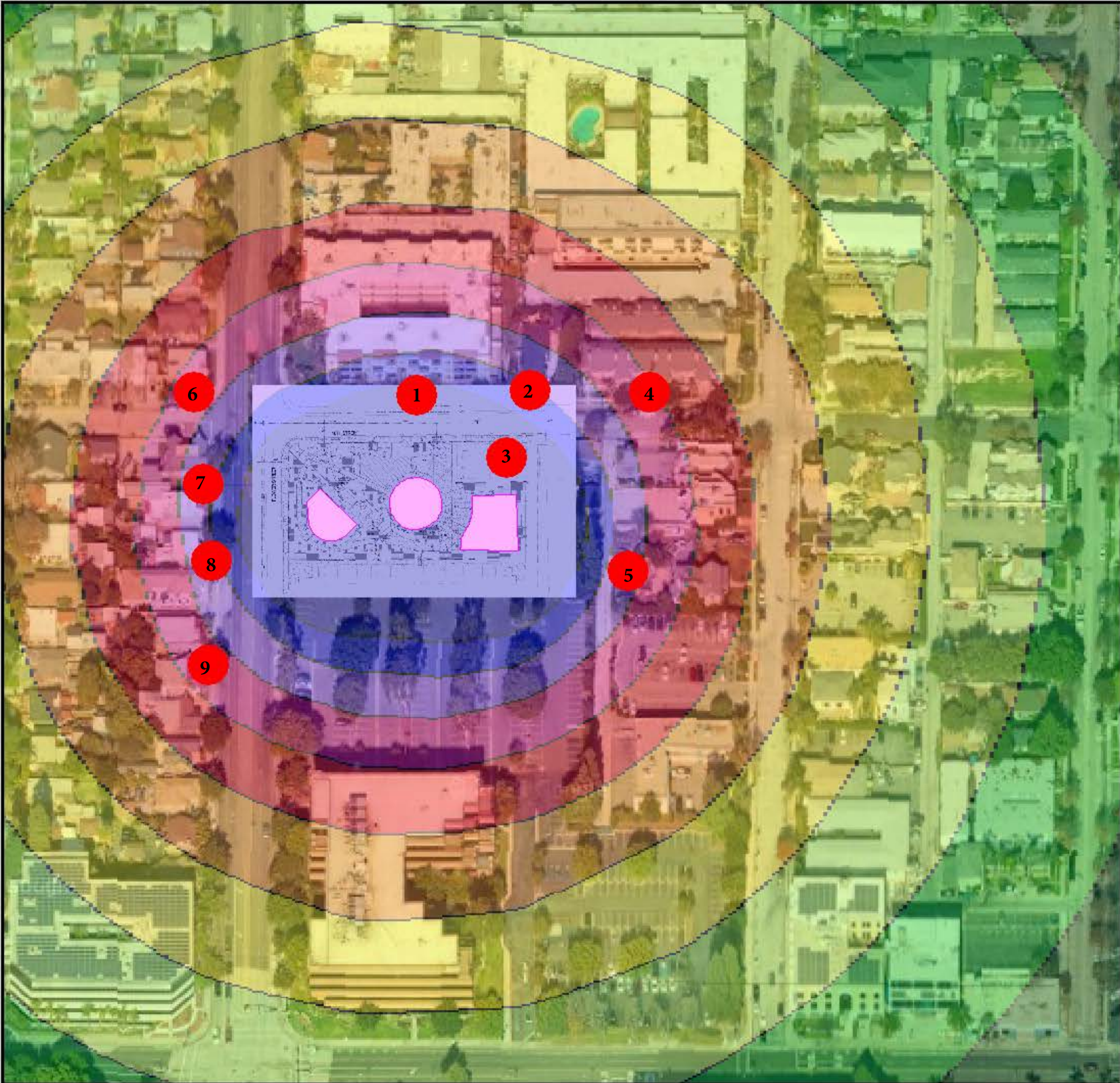
Equipment	*Lmax	Leq
Compressor (air)	69.1	65.1
Total	69.1	65.1

*Calculated Lmax is the Loudest value.

SoundPLAN
Output Source Information

Number	Receiver Name	Floor	Level at Receiver (dBA)
1	Apartment Complex North of Project Site.	Ground Floor	41.3
2	Residence North of Project Site.	Ground Floor	38.9
3	Residence East of Project Site (Directly Adjacent).	Ground Floor	44.1
4	Apartment Complex North of Project Site.	Ground Floor	33.6
5	Residence East of Project Site.	Ground Floor	37.1
6	Residence West of Project Site.	Ground Floor	35.7
7	Residence West of Project Site.	Ground Floor	38.1
8	Residence West of Project Site.	Ground Floor	35.8
9	Residence West of Project Site.	Ground Floor	35.6

Number	Noise Source Information	Citation	Level at Source (dBA)
1	Park/ Playground Activity	ECORP Noise Measurements	59.0
2	Humboldt Avenue (Chico, CA) Skate Park	ECORP Noise Measurements	56.0

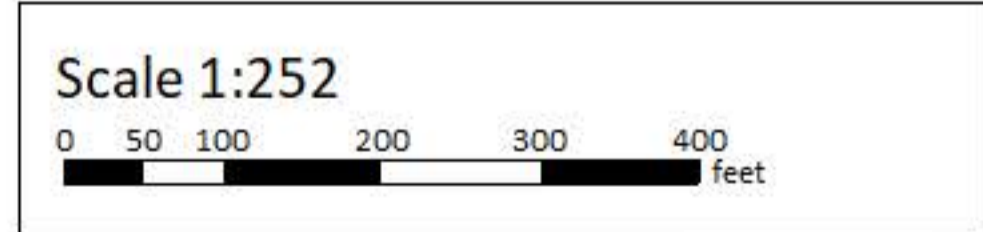
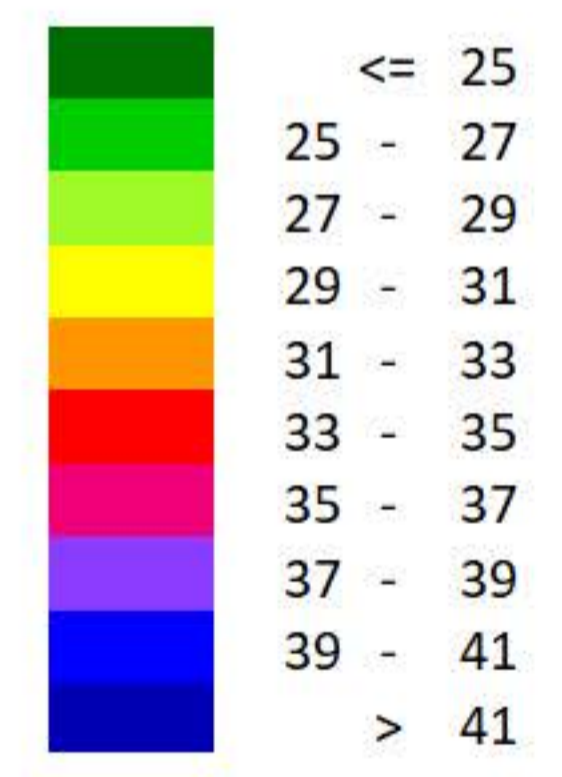


Modeled Operational Noise Levels: 10th and Flower Street Park Project

Signs and symbols

- Noise Receptors
- Area source

**Level scale in dB(A)
Leq,d**





ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

