

Appendix C:
Outdoor Noise Memo



DOUGLASKIM+ASSOCIATES,LLC

To: Stacie Henderson
From: Douglas Kim, AICP
CC:
Date: February 24, 2020
Re: 3003 Runyon Canyon Road Project

This memo summarizes an assessment of operational noise from proposed outdoor patios at the proposed project at 3003 Runyon Canyon Road.

Significance Criterion

The following criterion is used to assess the impact of the Project's operational noise sources that are located on the Project Site. A Project's operational noise impacts would be significant if:

- Project operations would cause a 5 dBA increase over the existing average ambient noise levels of an adjacent property (LAMC Section 111.02).¹²

Ambient Noise Levels

The existing noise environment surrounding the Project Site is consistent with low-density hillside residential areas. Ambient noise is mostly characterized by natural sounds such as wind and bird calls and is only intermittently punctuated by noise from passing vehicles. Distant landscaping-related noises were audible at some locations. As provided in the Noise Technical Report, DKA Planning took short-term noise readings on August 8, 2018 at locations surrounding the Project Site to determine the baseline ambient noise

¹ LAMC Section 111.02(b) provides a 5 dBA allowance for noise sources lasting more than 5 but less than 15 minutes in any 1-hour period, and a 10 dBA allowance for noise sources causing noise lasting 5 minutes or less in any 1-hour period. In accordance with these regulations, a noise level increase from certain city-regulated noise sources of 5 dBA over the existing or presumed ambient noise level at an adjacent property is considered a violation.

² As a 3 dBA increase represents a slightly noticeable change in noise level, this threshold considers any increase in ambient noise levels to or within a land use's "normally unacceptable" or "clearly unacceptable" noise/land use compatibility categories to be significant so long as the noise level increase can be considered barely perceptible. In instances where the noise level increase would not necessarily result in "normally unacceptable" or "clearly unacceptable" noise/land use compatibility, a readily noticeable 5 dBA increase is still considered to be significant. Increases less than 3 dBA are unlikely to result in noticeably louder ambient noise conditions and would therefore be considered less than significant.

conditions of nearby sensitive receptors.³ Table 1 summarizes the results of this noise monitoring.

Table 1
Existing Noise Levels

Noise Monitoring Locations	Sound Levels (dBA, Leq)
1. Western terminus of Chelan Drive	43.6
2. Larmar Road near Carman Crest Drive	47.0
3. Eastern terminus of Solar Drive	48.8
Source: DKA Planning, 2018	

Source Analysis

The proposed enhancements to the single-family residence would include outdoor patios on two levels that are oriented toward the western portion of the project site. These patios could host outdoor social events that include dozens of persons who socialize, including drinking, eating, and conversation. This analysis makes the following assumptions:

- Any outdoor spaces would not involve amplified music through speakers.
- The SoundPLAN Essential model (version 5.0) was used to analyze potential noise from any outdoor events.
- Regardless of the number of persons, any outdoor activities would include a reference noise level of 71 dB(A). This uses data from the SoundPLAN model for a “large beer garden.” This assumes 2.3 square meters per person and assumes 50 percent of persons would speak at the same time.
- Outdoor social activities could extend from daytime hours (6 am-6 pm), evening hours (6 pm-10 pm), to night hours (10 pm-6 am). The SoundPLAN model assigns a penalty for the evening and night hours to reflect the increased sensitivity of persons to sound during evening and night hours.

As shown in Table 2, these activities would generate noise levels of up to 26.1 dBA Leq at any of the local sensitive receptors, all of which are over 700 feet away from the outdoor patios. As illustrated in Figure 1, noise levels from any outdoor patios would attenuate quickly given the strength of the noise source, distance to local sensitive receptors, topography of the area, and the substantial soft surfaces (e.g., trees, dirt) that would further attenuate noise.

³ Noise measurements were taken using a Quest Technologies SoundPro DL Sound Level Meter. The SoundPro meter complies with the American National Standards Institute (ANSI) and International Electrotechnical Commission (IEC) for general environmental measurement instrumentation. The meter was equipped with an omni-directional microphone, calibrated before the day’s measurements, and set at approximately five feet above the ground.

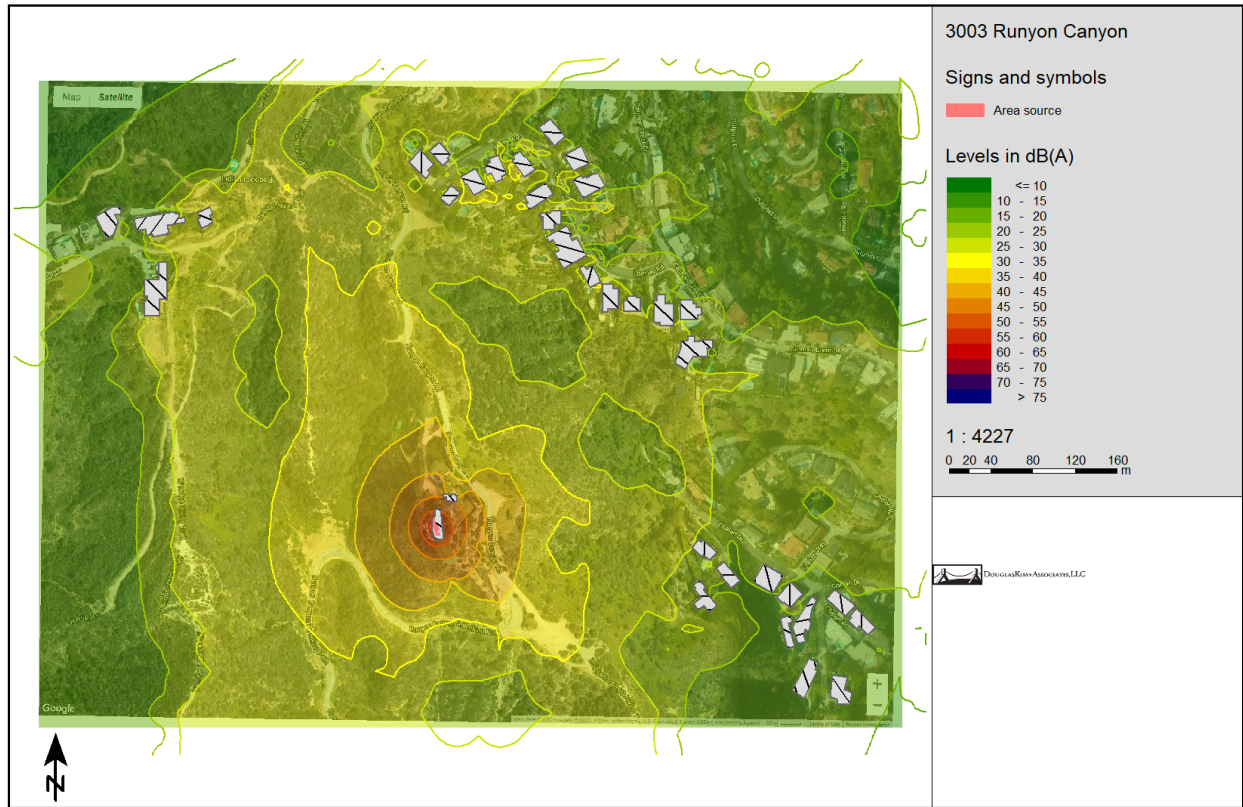


Figure 1
Noise Levels from Potential Outdoor Patios

When existing noise levels in these neighborhoods are considered, there would be no audible increase in ambient noise levels when considering CNEL noise levels at all of these local receptors.

Table 2
Noise Levels

Receptor	Existing Leq	Noise	New CNEL	Difference CNEL	Significant?
2535 Carman Crest Dr	47.0	19.4	47.0	0.0	No
2641 Carman Crest Dr	47.0	18.7	47.0	0.0	No
2261 Chelan Dr	43.6	11.6	43.6	0.0	No
2265 Chelan Dr	43.6	12.0	43.6	0.0	No
2275 Chelan Dr	43.6	18.1	43.6	0.0	No
2246 Chelan Pl	43.6	14.8	43.6	0.0	No
2254 Chelan Pl	43.6	15.3	43.6	0.0	No

2257 Chelan Pl	43.6	11.3	43.6	0.0	No
2601 Larmar Rd	47.0	19.6	47.0	0.0	No
2617 Larmar Rd	47.0	20.6	47.0	0.0	No
2627 Larmar Rd	47.0	20.7	47.0	0.0	No
2633 Larmar Rd	47.0	21.7	47.0	0.0	No
2641 Larmar Rd	47.0	22.2	47.0	0.0	No
2644 Larmar Rd	47.0	20.3	47.0	0.0	No
2649 Larmar Rd	47.0	21.5	47.0	0.0	No
2650 Larmar Rd	47.0	20.3	47.0	0.0	No
2660 Larmar Rd	47.0	21.8	47.0	0.0	No
2663 Larmar Rd	47.0	22.2	47.0	0.0	No
2668 Larmar Rd	47.0	14.6	47.0	0.0	No
2669 Larmar Rd	47.0	23.1	47.0	0.0	No
2674 Larmar Rd	47.0	22.7	47.0	0.0	No
2675 Larmar Rd	47.0	23.3	47.0	0.0	No
2451 Solar Dr	48.8	18.3	48.8	0.0	No
2457 Solar Dr	48.8	19.8	48.8	0.0	No
2462 Solar Rd	48.8	26.1	48.8	0.0	No

Conclusion

Given the relatively benign nature of any socializing on outdoor decks for single-family homes and the local conditions that would attenuate noise from these decks, ambient noise impacts at the many residences in the area would be negligible.

Source name	Level Day dB(A)	Evening	Night	Lden		
Carman Crest Drive 2535	19.2		EG	19.2		19.2
Second Floor Patio	25.6	19.2	19.2	19.2	25.6	
Carman Crest Drive 2535	19.3		1.0G	19.3		19.3
Second Floor Patio	25.7	19.3	19.3	19.3	25.7	
Carman Crest Drive 2535	19.4		2.0G	19.4		19.4
Second Floor Patio	25.8	19.4	19.4	19.4	25.8	
Carmen Crest Drive 2641	18.6		EG	18.6		18.6
Second Floor Patio	25.0	18.6	18.6	18.6	25.0	
Carmen Crest Drive 2641	18.7		1.0G	18.7		18.7
Second Floor Patio	25.1	18.7	18.7	18.7	25.1	
Carmen Crest Drive 2641	18.8		2.0G	18.8		18.8
Second Floor Patio	25.2	18.8	18.8	18.8	25.2	
Chelan Drive 2261	17.9		EG	11.5	11.5	11.5
Second Floor Patio	17.9	11.5	11.5	11.5	17.9	
Chelan Drive 2261	11.6		1.0G	11.6		11.6
Second Floor Patio	17.9	11.6	11.6	11.6	17.9	
Chelan Drive 2261	11.6		2.0G	11.6		11.6
Second Floor Patio	18.0	11.6	11.6	11.6	18.0	
Chelan Drive 2265	18.4		EG	12.0	12.0	12.0
Second Floor Patio	18.4	12.0	12.0	12.0	18.4	
Chelan Drive 2265	12.0		1.0G	12.0		12.0
Second Floor Patio	18.4	12.0	12.0	12.0	18.4	
Chelan Drive 2265	12.1		2.0G	12.1		12.1
Second Floor Patio	18.5	12.1	12.1	12.1	18.5	
Chelan Drive 2275	24.5		EG	18.1	18.1	18.1
Second Floor Patio	24.5	18.1	18.1	18.1	24.5	
Chelan Drive 2275	18.1		1.0G	18.1		18.1
Second Floor Patio	24.5	18.1	18.1	18.1	24.5	
Chelan Drive 2275	18.1		2.0G	18.1		18.1
Second Floor Patio	24.5	18.1	18.1	18.1	24.5	
Chelan Drive 2275A	19.5		EG	19.5		19.5
Second Floor Patio	25.8	19.5	19.5	19.5	25.8	

Second Floor Patio	19.5	19.5	19.5	25.8	
Chelan Drive 2275A		1.0G	19.5	19.5	
19.5	25.9				
Second Floor Patio	19.5	19.5	19.5	25.9	
Chelan Drive 2275A		2.0G	19.5	19.5	
19.5	25.9				
Second Floor Patio	19.5	19.5	19.5	25.9	
Chelan Drive 2275B		1.0G	14.0	14.0	
14.0	20.4				
Second Floor Patio	14.0	14.0	14.0	20.4	
Chelan Drive 2275B		2.0G	14.0	14.0	
14.0	20.4				
Second Floor Patio	14.0	14.0	14.0	20.4	
Chelan Pl (End of Culdesac)			EG	9.7	9.7
9.7	16.1				
Second Floor Patio	9.7	9.7	9.7	16.1	
Chelan Pl (End of Culdesac)			1.0G	9.7	9.7
9.7	16.1				
Second Floor Patio	9.7	9.7	9.7	16.1	
Chelan Pl (End of Culdesac)			2.0G	9.7	9.7
9.7	16.1				
Second Floor Patio	9.7	9.7	9.7	16.1	
Chelan Place 2246		EG	14.8	14.8	14.8
21.2					
Second Floor Patio	14.8	14.8	14.8	21.2	
Chelan Place 2246		1.0G	14.8	14.8	
14.8	21.2				
Second Floor Patio	14.8	14.8	14.8	21.2	
Chelan Place 2246		2.0G	14.9	14.9	
14.9	21.3				
Second Floor Patio	14.9	14.9	14.9	21.3	
Chelan Place 2254		EG	10.2	10.2	10.2
16.6					
Second Floor Patio	10.2	10.2	10.2	16.6	
Chelan Place 2254		1.0G	10.3	10.3	
10.3	16.7				
Second Floor Patio	10.3	10.3	10.3	16.7	
Chelan Place 2254		2.0G	15.3	15.3	
15.3	21.7				
Second Floor Patio	15.3	15.3	15.3	21.7	
Chelan Place 2257		EG	11.2	11.2	11.2
17.6					
Second Floor Patio	11.2	11.2	11.2	17.6	
Chelan Place 2257		1.0G	11.3	11.3	
11.3	17.6				
Second Floor Patio	11.3	11.3	11.3	17.6	
Chelan Place 2257		2.0G	11.3	11.3	
11.3	17.7				
Second Floor Patio	11.3	11.3	11.3	17.7	
Chelan Place 2257		EG	10.8	10.8	10.8

17.2						
Second Floor Patio	10.8	10.8	10.8	17.2		
Chelan Place 2257	1.0G		10.8	10.8		
10.8	17.2					
Second Floor Patio	10.8	10.8	10.8	17.2		
Chelan Place 2257	2.0G		10.8	10.8		
10.8	17.2					
Second Floor Patio	10.8	10.8	10.8	17.2		
Chelan Place (End of Culdesac)2			EG	10.4		
10.4	10.4	16.8				
Second Floor Patio	10.4	10.4	10.4	16.8		
Chelan Place (End of Culdesac)2			1.0G	10.4		
10.4	10.4	16.8				
Second Floor Patio	10.4	10.4	10.4	16.8		
Chelan Place (End of Culdesac)2			2.0G	10.4		
10.4	10.4	16.8				
Second Floor Patio	10.4	10.4	10.4	16.8		
Larmar Road 2601	EG		19.4	19.4		19.4
25.8						
Second Floor Patio	19.4	19.4	19.4	25.8		
Larmar Road 2601	1.0G		19.5	19.5		
19.5	25.9					
Second Floor Patio	19.5	19.5	19.5	25.9		
Larmar Road 2601	2.0G		19.6	19.6		
19.6	26.0					
Second Floor Patio	19.6	19.6	19.6	26.0		
Larmar Road 2617	EG		19.8	19.8		19.8
26.2						
Second Floor Patio	19.8	19.8	19.8	26.2		
Larmar Road 2617	1.0G		19.9	19.9		
19.9	26.3					
Second Floor Patio	19.9	19.9	19.9	26.3		
Larmar Road 2617	2.0G		20.0	20.0		
20.0	26.4					
Second Floor Patio	20.0	20.0	20.0	26.4		
Larmar Road 2617	EG		20.4	20.4		20.4
26.8						
Second Floor Patio	20.4	20.4	20.4	26.8		
Larmar Road 2617	1.0G		20.5	20.5		
20.5	26.9					
Second Floor Patio	20.5	20.5	20.5	26.9		
Larmar Road 2617	2.0G		20.6	20.6		
20.6	27.0					
Second Floor Patio	20.6	20.6	20.6	27.0		
Larmar Road 2627	EG		20.5	20.5		20.5
26.9						
Second Floor Patio	20.5	20.5	20.5	26.9		
Larmar Road 2627	1.0G		20.6	20.6		
20.6	27.0					
Second Floor Patio	20.6	20.6	20.6	27.0		

Larmar Road 2627	2.0G		20.7	20.7	
20.7 27.1					
Second Floor Patio	20.7	20.7	20.7	27.1	
Larmar Road 2633	EG		21.3	21.3	21.3
27.7					
Second Floor Patio	21.3	21.3	21.3	27.7	
Larmar Road 2633	1.0G		21.5	21.5	
21.5 27.9					
Second Floor Patio	21.5	21.5	21.5	27.9	
Larmar Road 2633	2.0G		21.6	21.6	
21.6 28.0					
Second Floor Patio	21.6	21.6	21.6	28.0	
Larmar Road 2641	EG		21.7	21.7	21.7
28.1					
Second Floor Patio	21.7	21.7	21.7	28.1	
Larmar Road 2641	1.0G		22.0	22.0	
22.0 28.4					
Second Floor Patio	22.0	22.0	22.0	28.4	
Larmar Road 2641	2.0G		22.2	22.2	
22.2 28.6					
Second Floor Patio	22.2	22.2	22.2	28.6	
Larmar Road 2644	EG		20.0	20.0	20.0
26.4					
Second Floor Patio	20.0	20.0	20.0	26.4	
Larmar Road 2644	1.0G		20.1	20.1	
20.1 26.5					
Second Floor Patio	20.1	20.1	20.1	26.5	
Larmar Road 2644	2.0G		20.3	20.3	
20.3 26.7					
Second Floor Patio	20.3	20.3	20.3	26.7	
Larmar Road 2649	EG		21.1	21.1	21.1
27.5					
Second Floor Patio	21.1	21.1	21.1	27.5	
Larmar Road 2649	1.0G		21.3	21.3	
21.3 27.7					
Second Floor Patio	21.3	21.3	21.3	27.7	
Larmar Road 2649	2.0G		21.5	21.5	
21.5 27.9					
Second Floor Patio	21.5	21.5	21.5	27.9	
Larmar Road 2650	EG		14.5	14.5	14.5
20.9					
Second Floor Patio	14.5	14.5	14.5	20.9	
Larmar Road 2650	1.0G		20.1	20.1	
20.1 26.5					
Second Floor Patio	20.1	20.1	20.1	26.5	
Larmar Road 2650	2.0G		20.3	20.3	
20.3 26.6					
Second Floor Patio	20.3	20.3	20.3	26.6	
Larmar Road 2660	EG		12.3	12.3	12.3
18.7					

Second Floor Patio Larmar Road 2660	12.3 1.0G	12.3	12.3 13.4	18.7 13.4	
13.4 19.8					
Second Floor Patio Larmar Road 2660	13.4 2.0G	13.4	13.4 14.4	19.8 14.4	
14.4 20.8					
Second Floor Patio Larmar Road 2663	14.4 EG	14.4	14.4 21.8	20.8 21.8	21.8
28.2					
Second Floor Patio Larmar Road 2663	21.8 1.0G	21.8	21.8 22.0	28.2 22.0	
22.0 28.4					
Second Floor Patio Larmar Road 2663	22.0 2.0G	22.0	22.0 22.2	28.4 22.2	
22.2 28.6					
Second Floor Patio Larmar Road 2668	22.2 EG	22.2	22.2 13.3	28.6 13.3	13.3
19.7					
Second Floor Patio Larmar Road 2668	13.3 1.0G	13.3	13.3 14.6	19.7 14.6	
14.6 21.0					
Second Floor Patio Larmar Road 2668	14.6 2.0G	14.6	14.6 16.0	21.0 16.0	
16.0 22.4					
Second Floor Patio Larmar Road 2669	16.0 EG	16.0	16.0 22.7	22.4 22.7	22.7
29.1					
Second Floor Patio Larmar Road 2669	22.7 1.0G	22.7	22.7 22.9	29.1 22.9	
22.9 29.3					
Second Floor Patio Larmar Road 2669	22.9 2.0G	22.9	22.9 23.1	29.3 23.1	
23.1 29.5					
Second Floor Patio Larmar Road 2674	23.1 EG	23.1	23.1 16.5	29.5 16.5	16.5
22.9					
Second Floor Patio Larmar Road 2674	16.5 1.0G	16.5	16.5 22.4	22.9 22.4	
22.4 28.8					
Second Floor Patio Larmar Road 2674	22.4 2.0G	22.4	22.4 22.7	28.8 22.7	
22.7 29.1					
Second Floor Patio Larmar Road 2675	22.7 EG	22.7	22.7 22.8	29.1 22.8	22.8
29.2					
Second Floor Patio Larmar Road 2675	22.8 1.0G	22.8	22.8 23.0	29.2 23.0	
23.0 29.4					
Second Floor Patio Larmar Road 2675	23.0 2.0G	23.0	23.0 23.3	29.4 23.3	

23.3	29.7					
Second Floor Patio	23.3	23.3	23.3	29.7		
Runyon Canyon Road 3003		EG	21.5		21.5	
21.5	27.9					
Second Floor Patio	21.5	21.5	21.5	27.9		
Runyon Canyon Road 3003		1.0G	21.7		21.7	
21.7	28.1					
Second Floor Patio	21.7	21.7	21.7	28.1		
Runyon Canyon Road 3003		2.0G	22.0		22.0	
22.0	28.4					
Second Floor Patio	22.0	22.0	22.0	28.4		
Solar Drive 2451	EG	12.7		12.7		12.7
19.1						
Second Floor Patio	12.7	12.7	12.7	19.1		
Solar Drive 2451	1.0G	13.0		13.0		
13.0	19.4					
Second Floor Patio	13.0	13.0	13.0	19.4		
Solar Drive 2451	2.0G	18.3		18.3		
18.3	24.7					
Second Floor Patio	18.3	18.3	18.3	24.7		
Solar Drive 2457	EG	19.6		19.6		19.6
26.0						
Second Floor Patio	19.6	19.6	19.6	26.0		
Solar Drive 2457	1.0G	19.7		19.7		
19.7	26.1					
Second Floor Patio	19.7	19.7	19.7	26.1		
Solar Drive 2457	2.0G	19.8		19.8		
19.8	26.2					
Second Floor Patio	19.8	19.8	19.8	26.2		
Solar Road 2457B	EG	21.0		21.0		21.0
27.4						
Second Floor Patio	21.0	21.0	21.0	27.4		
Solar Road 2457B	1.0G	21.1		21.1		
21.1	27.5					
Second Floor Patio	21.1	21.1	21.1	27.5		
Solar Road 2457B	2.0G	21.2		21.2		
21.2	27.6					
Second Floor Patio	21.2	21.2	21.2	27.6		
Solar Road 2462	EG	19.5		19.5		19.5
25.9						
Second Floor Patio	19.5	19.5	19.5	25.9		
Solar Road 2462	1.0G	19.6		19.6		19.6
26.0						
Second Floor Patio	19.6	19.6	19.6	26.0		
Solar Road 2462	2.0G	19.7		19.7		19.7
26.1						
Second Floor Patio	19.7	19.7	19.7	26.1		

Limit Conflict No.	Coordinates			Level		Height	
	Receiver name	X	Y	Building	Floor	abv.grd.	Day
	Evening	Night	Lden	Day	Evening	Night	Lden
	Evening	Night	Lden				Day
	in meter			side		m	
			dB(A)				dB(A)
							dB
1	Carman Crest Drive	2535	11375630.95			3775698.95	
South west	EG	300.97	-	-	-	-	-
19.2	19.2	19.2	25.6	-	-	-	-
1	Carman Crest Drive	2535	11375630.95			3775698.95	
South west	1.0G	303.77	-	-	-	-	-
19.3	19.3	19.3	25.7	-	-	-	-
1	Carman Crest Drive	2535	11375630.95			3775698.95	
South west	2.0G	306.57	-	-	-	-	-
19.4	19.4	19.4	25.8	-	-	-	-
2	Carmen Crest Drive	2641	11375640.42			3775742.59	
South	EG	302.28	-	-	-	-	18.6
18.6	18.6	25.0	-	-	-	-	-
2	Carmen Crest Drive	2641	11375640.42			3775742.59	
South	1.0G	305.08	-	-	-	-	18.7
18.7	18.7	25.1	-	-	-	-	-
2	Carmen Crest Drive	2641	11375640.42			3775742.59	
South	2.0G	307.88	-	-	-	-	18.8
18.8	18.8	25.2	-	-	-	-	-
3	Chelan Drive	2261	11375725.65			3775477.10	
South west	EG	228.03	-	-	-	-	-
11.5	11.5	11.5	17.9	-	-	-	-
3	Chelan Drive	2261	11375725.65			3775477.10	
South west	1.0G	230.83	-	-	-	-	-
11.6	11.6	11.6	17.9	-	-	-	-
3	Chelan Drive	2261	11375725.65			3775477.10	
South west	2.0G	233.63	-	-	-	-	-
11.6	11.6	11.6	18.0	-	-	-	-
4	Chelan Drive	2265	11375709.83			3775489.09	
South west	EG	231.10	-	-	-	-	-
12.0	12.0	12.0	18.4	-	-	-	-
4	Chelan Drive	2265	11375709.83			3775489.09	
South west	1.0G	233.90	-	-	-	-	-
12.0	12.0	12.0	18.4	-	-	-	-
4	Chelan Drive	2265	11375709.83			3775489.09	
South west	2.0G	236.70	-	-	-	-	-
12.1	12.1	12.1	18.5	-	-	-	-
5	Chelan Drive	2275	11375675.22			3775493.66	
South west	EG	244.22	-	-	-	-	-
18.1	18.1	18.1	24.5	-	-	-	-
5	Chelan Drive	2275	11375675.22			3775493.66	
South west	1.0G	247.02	-	-	-	-	-

18.1	18.1	18.1	24.5	-	-	-	-
5	Chelan Drive	2275		11375675.22		3775493.66	
South west		2.0G	249.82	-	-	-	-
18.1	18.1	18.1	24.5	-	-	-	-
6	Chelan Drive	2275A		11375646.61		3775523.51	
South west		EG	248.64	-	-	-	-
19.5	19.5	19.5	25.8	-	-	-	-
6	Chelan Drive	2275A		11375646.61		3775523.51	
South west		1.0G	251.44	-	-	-	-
19.5	19.5	19.5	25.9	-	-	-	-
6	Chelan Drive	2275A		11375646.61		3775523.51	
South west		2.0G	254.24	-	-	-	-
19.5	19.5	19.5	25.9	-	-	-	-
7	Chelan Drive	2275B		11375646.25		3775470.83	
South west		1.0G	262.33	-	-	-	-
14.0	14.0	14.0	20.4	-	-	-	-
7	Chelan Drive	2275B		11375646.25		3775470.83	
South west		2.0G	265.13	-	-	-	-
14.0	14.0	14.0	20.4	-	-	-	-
8	Chelan Pl (End of Culdesac)			11375776.77		3775384.69	
South	EG		212.82	-	-	-	9.7
9.7	9.7	9.7	16.1	-	-	-	-
8	Chelan Pl (End of Culdesac)			11375776.77		3775384.69	
South	1.0G		215.62	-	-	-	9.7
9.7	9.7	9.7	16.1	-	-	-	-
8	Chelan Pl (End of Culdesac)			11375776.77		3775384.69	
South	2.0G		218.42	-	-	-	9.7
9.7	9.7	9.7	16.1	-	-	-	-
9	Chelan Place	2246		11375794.79		3775453.91	
South west		EG	223.99	-	-	-	-
14.8	14.8	14.8	21.2	-	-	-	-
9	Chelan Place	2246		11375794.79		3775453.91	
South west		1.0G	226.79	-	-	-	-
14.8	14.8	14.8	21.2	-	-	-	-
9	Chelan Place	2246		11375794.79		3775453.91	
South west		2.0G	229.59	-	-	-	-
14.9	14.9	14.9	21.3	-	-	-	-
10	Chelan Place	2254		11375779.05		3775470.26	
South west		EG	223.63	-	-	-	-
10.2	10.2	10.2	16.6	-	-	-	-
10	Chelan Place	2254		11375779.05		3775470.26	
South west		1.0G	226.43	-	-	-	-
10.3	10.3	10.3	16.7	-	-	-	-
10	Chelan Place	2254		11375779.05		3775470.26	
South west		2.0G	229.23	-	-	-	-
15.3	15.3	15.3	21.7	-	-	-	-
11	Chelan Place	2257		11375729.77		3775445.52	
West	EG		227.12	-	-	-	11.2
11.2	11.2	17.6	-	-	-	-	-
11	Chelan Place	2257		11375729.77		3775445.52	

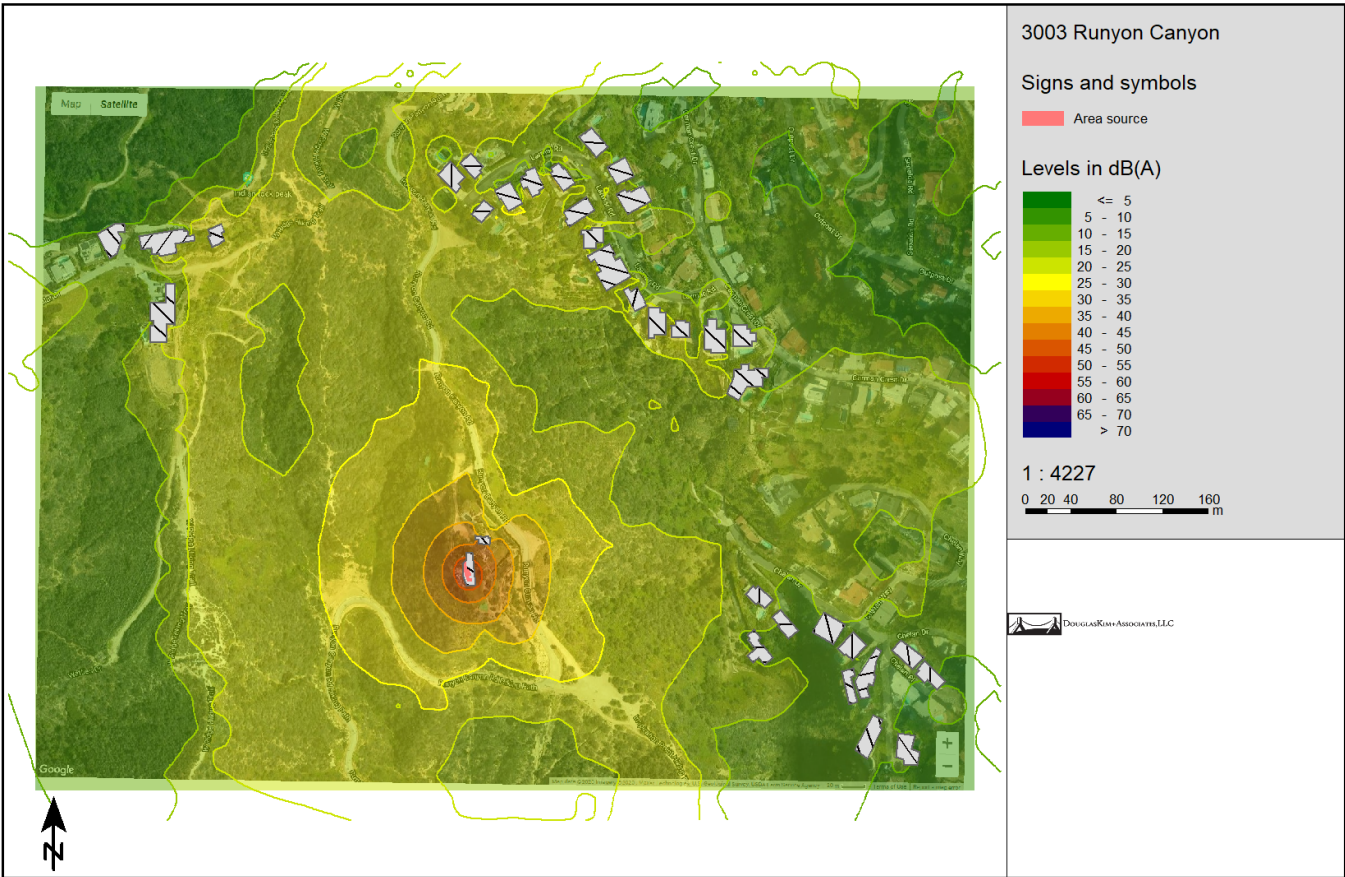
West	1.0G	229.92	-	-	-	-	11.3	
11.3	11.3	17.6	-	-	-	-		
11	Chelan Place	2257		11375729.77		3775445.52		
West	2.0G	232.72	-	-	-	-	11.3	
11.3	11.3	17.7	-	-	-	-		
12	Chelan Place	2257		11375746.62		3775437.09		
South	EG	225.09	-	-	-	-	10.8	
10.8	10.8	17.2	-	-	-	-		
12	Chelan Place	2257		11375746.62		3775437.09		
South	1.0G	227.89	-	-	-	-	10.8	
10.8	10.8	17.2	-	-	-	-		
12	Chelan Place	2257		11375746.62		3775437.09		
South	2.0G	230.69	-	-	-	-	10.8	
10.8	10.8	17.2	-	-	-	-		
13	Chelan Place (End of Culdesac)	2		11375743.29		3775387.91		
	South west	EG	217.84	-	-	-	-	
	10.4	10.4	10.4	16.8	-	-	-	
13	Chelan Place (End of Culdesac)	2		11375743.29		3775387.91		
	South west	1.0G	220.64	-	-	-	-	
	10.4	10.4	10.4	16.8	-	-	-	
13	Chelan Place (End of Culdesac)	2		11375743.29		3775387.91		
	South west	2.0G	223.44	-	-	-	-	
	10.4	10.4	10.4	16.8	-	-	-	
14	Larmar Road	2601		11375606.72		3775749.98	West	EG
	306.93	-	-	-	-	19.4	19.4	
19.4	25.8	-	-	-	-	-		
14	Larmar Road	2601		11375606.72		3775749.98	West	
1.0G	309.73	-	-	-	-	19.5	19.5	
19.5	25.9	-	-	-	-	-		
14	Larmar Road	2601		11375606.72		3775749.98	West	
2.0G	312.53	-	-	-	-	19.6	19.6	
19.6	26.0	-	-	-	-	-		
15	Larmar Road	2617		11375586.10		3775750.62	South	EG
	307.60	-	-	-	-	19.8	19.8	
19.8	26.2	-	-	-	-	-		
15	Larmar Road	2617		11375586.10		3775750.62	South	
1.0G	310.40	-	-	-	-	19.9	19.9	
19.9	26.3	-	-	-	-	-		
15	Larmar Road	2617		11375586.10		3775750.62	South	
2.0G	313.20	-	-	-	-	20.0	20.0	
20.0	26.4	-	-	-	-	-		
16	Larmar Road	2617		11375560.32		3775749.56	South	EG
	308.26	-	-	-	-	20.4	20.4	
20.4	26.8	-	-	-	-	-		
16	Larmar Road	2617		11375560.32		3775749.56	South	
1.0G	311.06	-	-	-	-	20.5	20.5	
20.5	26.9	-	-	-	-	-		
16	Larmar Road	2617		11375560.32		3775749.56	South	
2.0G	313.86	-	-	-	-	20.6	20.6	
20.6	27.0	-	-	-	-	-		

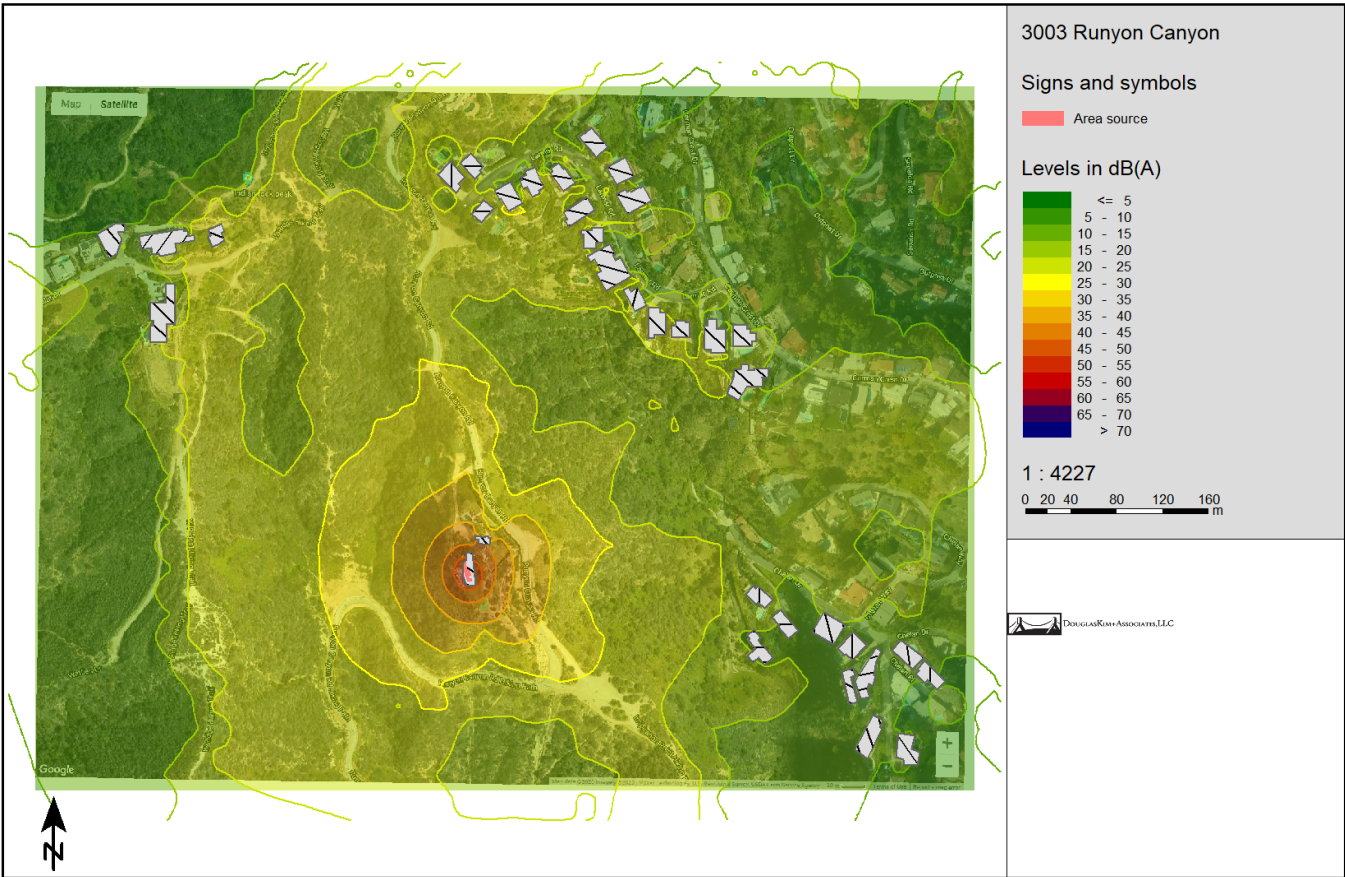
17	Larmar Road 2627	11375540.92	3775782.47	South west
	EG 310.41	- -	- -	20.5
20.5	20.5 26.9	- -	- -	
17	Larmar Road 2627	11375540.92	3775782.47	South west
	1.0G 313.21	- -	- -	20.6
20.6	20.6 27.0	- -	- -	
17	Larmar Road 2627	11375540.92	3775782.47	South west
	2.0G 316.01	- -	- -	20.7
20.7	20.7 27.1	- -	- -	
18	Larmar Road 2633	11375516.66	3775799.08	South west
	EG 313.65	- -	- -	21.3
21.3	21.3 27.7	- -	- -	
18	Larmar Road 2633	11375516.66	3775799.08	South west
	1.0G 316.45	- -	- -	21.5
21.5	21.5 27.9	- -	- -	
18	Larmar Road 2633	11375516.66	3775799.08	South west
	2.0G 319.25	- -	- -	21.6
21.6	21.6 28.0	- -	- -	
19	Larmar Road 2641	11375486.88	3775849.59	South west
	EG 321.46	- -	- -	21.7
21.7	21.7 28.1	- -	- -	
19	Larmar Road 2641	11375486.88	3775849.59	South west
	1.0G 324.26	- -	- -	22.0
22.0	22.0 28.4	- -	- -	
19	Larmar Road 2641	11375486.88	3775849.59	South west
	2.0G 327.06	- -	- -	22.2
22.2	22.2 28.6	- -	- -	
20	Larmar Road 2644	11375534.59	3775866.66	South west
	EG 319.16	- -	- -	20.0
20.0	20.0 26.4	- -	- -	
20	Larmar Road 2644	11375534.59	3775866.66	South west
	1.0G 321.96	- -	- -	20.1
20.1	20.1 26.5	- -	- -	
20	Larmar Road 2644	11375534.59	3775866.66	South west
	2.0G 324.76	- -	- -	20.3
20.3	20.3 26.7	- -	- -	
21	Larmar Road 2649	11375477.93	3775885.58	South west
	EG 326.83	- -	- -	21.1
21.1	21.1 27.5	- -	- -	
21	Larmar Road 2649	11375477.93	3775885.58	South west
	1.0G 329.63	- -	- -	21.3
21.3	21.3 27.7	- -	- -	
21	Larmar Road 2649	11375477.93	3775885.58	South west
	2.0G 332.43	- -	- -	21.5
21.5	21.5 27.9	- -	- -	
22	Larmar Road 2650	11375523.91	3775894.49	South west
	EG 321.22	- -	- -	14.5
14.5	14.5 20.9	- -	- -	
22	Larmar Road 2650	11375523.91	3775894.49	South west
	1.0G 324.02	- -	- -	20.1

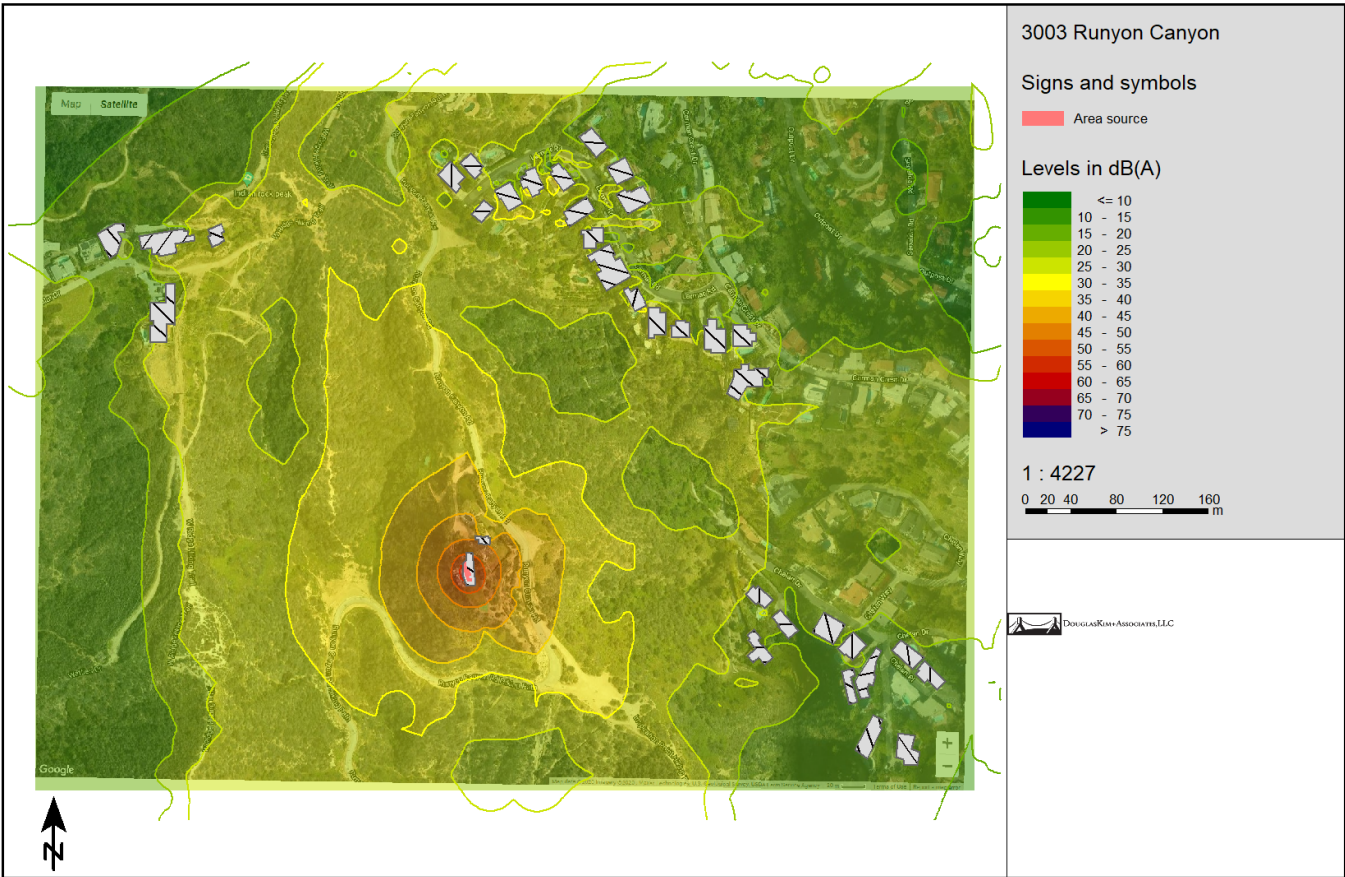
20.1	20.1	26.5	-	-	-	-	
22	Larmar Road 2650	11375523.91	3775894.49		South west		
	2.0G	326.82	-	-	-	-	20.3
20.3	20.3	26.6	-	-	-	-	
23	Larmar Road 2660	11375500.94	3775920.62		South west		
	EG	325.54	-	-	-	-	12.3
12.3	12.3	18.7	-	-	-	-	
23	Larmar Road 2660	11375500.94	3775920.62		South west		
	1.0G	328.34	-	-	-	-	13.4
13.4	13.4	19.8	-	-	-	-	
23	Larmar Road 2660	11375500.94	3775920.62		South west		
	2.0G	331.14	-	-	-	-	14.4
14.4	14.4	20.8	-	-	-	-	
24	Larmar Road 2663	11375459.65	3775874.43		South east		
	EG	331.08	-	-	-	-	21.8
21.8	21.8	28.2	-	-	-	-	
24	Larmar Road 2663	11375459.65	3775874.43		South east		
	1.0G	333.88	-	-	-	-	22.0
22.0	22.0	28.4	-	-	-	-	
24	Larmar Road 2663	11375459.65	3775874.43		South east		
	2.0G	336.68	-	-	-	-	22.2
22.2	22.2	28.6	-	-	-	-	
25	Larmar Road 2668	11375409.33	3775891.57		South east		
	EG	336.31	-	-	-	-	13.3
13.3	13.3	19.7	-	-	-	-	
25	Larmar Road 2668	11375409.33	3775891.57		South east		
	1.0G	339.11	-	-	-	-	14.6
14.6	14.6	21.0	-	-	-	-	
25	Larmar Road 2668	11375409.33	3775891.57		South east		
	2.0G	341.91	-	-	-	-	16.0
16.0	16.0	22.4	-	-	-	-	
26	Larmar Road 2669	11375441.66	3775863.97		South east		
	EG	333.85	-	-	-	-	22.7
22.7	22.7	29.1	-	-	-	-	
26	Larmar Road 2669	11375441.66	3775863.97		South east		
	1.0G	336.65	-	-	-	-	22.9
22.9	22.9	29.3	-	-	-	-	
26	Larmar Road 2669	11375441.66	3775863.97		South east		
	2.0G	339.45	-	-	-	-	23.1
23.1	23.1	29.5	-	-	-	-	
27	Larmar Road 2674	11375392.16	3775879.11		South east		
	EG	337.84	-	-	-	-	16.5
16.5	16.5	22.9	-	-	-	-	
27	Larmar Road 2674	11375392.16	3775879.11		South east		
	1.0G	340.64	-	-	-	-	22.4
22.4	22.4	28.8	-	-	-	-	
27	Larmar Road 2674	11375392.16	3775879.11		South east		
	2.0G	343.44	-	-	-	-	22.7
22.7	22.7	29.1	-	-	-	-	
28	Larmar Road 2675	11375417.65	3775856.63		South east		

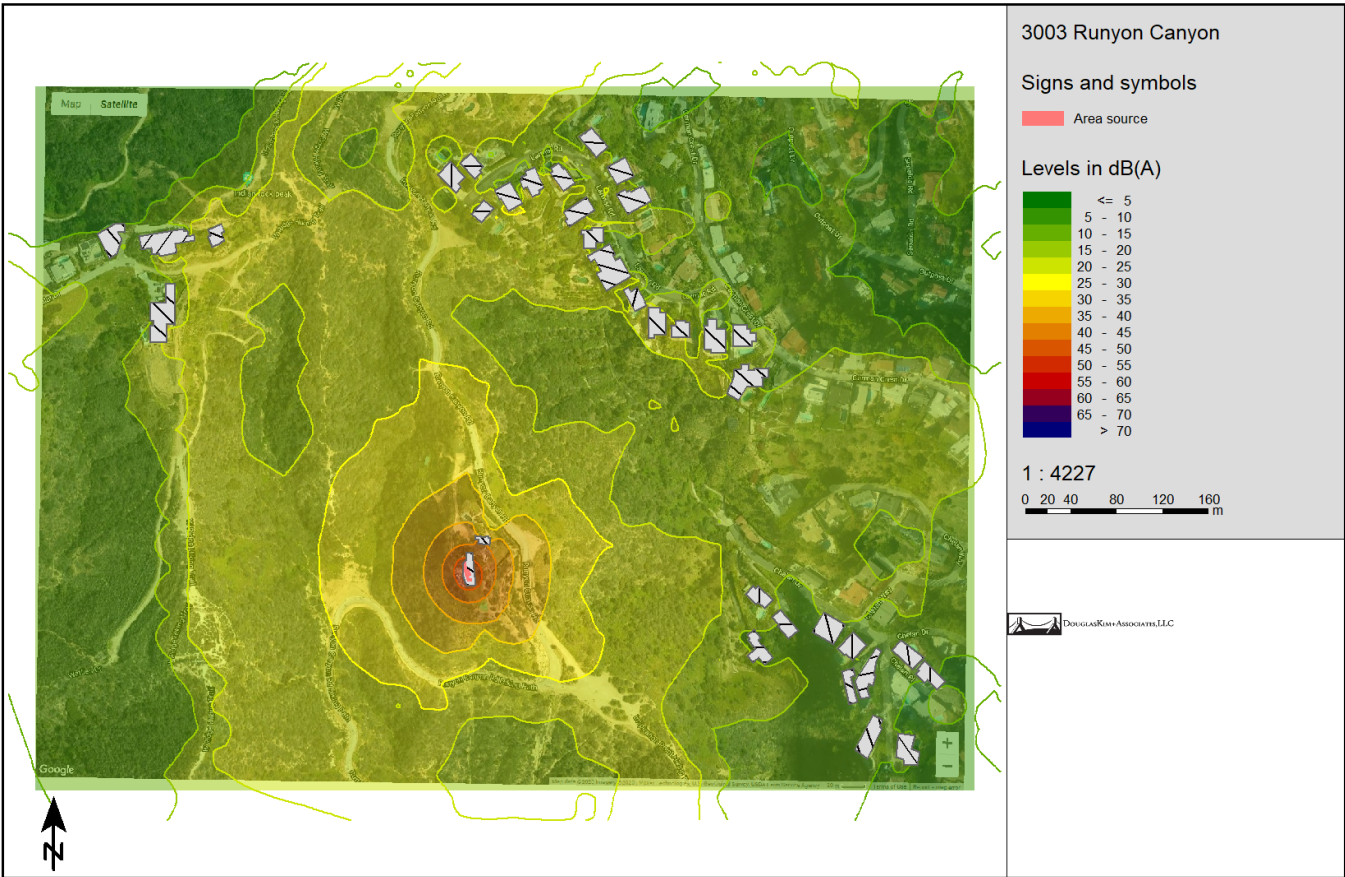
	EG	336.59	-	-	-	-	22.8
22.8	22.8	29.2	-	-	-	-	
28	Larmar Road 2675	11375417.65			3775856.63		South east
	1.0G	339.39	-	-	-	-	23.0
23.0	23.0	29.4	-	-	-	-	
28	Larmar Road 2675	11375417.65			3775856.63		South east
	2.0G	342.19	-	-	-	-	23.3
23.3	23.3	29.7	-	-	-	-	
29	Runyon Canyon Road 3003	11375501.62			3775834.08		
West	EG	318.13	-	-	-	-	21.5
21.5	21.5	27.9	-	-	-	-	
29	Runyon Canyon Road 3003	11375501.62			3775834.08		
West	1.0G	320.93	-	-	-	-	21.7
21.7	21.7	28.1	-	-	-	-	
29	Runyon Canyon Road 3003	11375501.62			3775834.08		
West	2.0G	323.73	-	-	-	-	22.0
22.0	22.0	28.4	-	-	-	-	
30	Solar Drive 2451	11375090.99			3775821.19		South east
	EG	382.82	-	-	-	-	12.7
12.7	12.7	19.1	-	-	-	-	
30	Solar Drive 2451	11375090.99			3775821.19		South east
	1.0G	385.62	-	-	-	-	13.0
13.0	13.0	19.4	-	-	-	-	
30	Solar Drive 2451	11375090.99			3775821.19		South east
	2.0G	388.42	-	-	-	-	18.3
18.3	18.3	24.7	-	-	-	-	
31	Solar Drive 2457	11375138.92			3775822.86		South EG
	390.22	-	-	-	-	19.6	19.6
19.6	26.0	-	-	-	-	-	
31	Solar Drive 2457	11375138.92			3775822.86		South
1.0G	393.02	-	-	-	-	19.7	19.7
19.7	26.1	-	-	-	-	-	
31	Solar Drive 2457	11375138.92			3775822.86		South
2.0G	395.82	-	-	-	-	19.8	19.8
19.8	26.2	-	-	-	-	-	
32	Solar Road 2457B	11375181.24			3775831.18		South east
	EG	391.37	-	-	-	-	21.0
21.0	21.0	27.4	-	-	-	-	
32	Solar Road 2457B	11375181.24			3775831.18		South east
	1.0G	394.17	-	-	-	-	21.1
21.1	21.1	27.5	-	-	-	-	
32	Solar Road 2457B	11375181.24			3775831.18		South east
	2.0G	396.97	-	-	-	-	21.2
21.2	21.2	27.6	-	-	-	-	
33	Solar Road 2462	11375130.69			3775746.31		South EG
	372.33	-	-	-	-	19.5	19.5
19.5	25.9	-	-	-	-	-	
33	Solar Road 2462	11375130.69			3775746.31		South
1.0G	375.13	-	-	-	-	19.6	19.6
19.6	26.0	-	-	-	-	-	

33	Solar Road 2462	11375130.69	3775746.31	South
2.0G	377.93 -	- -	- 19.7	19.7
19.7	26.1 -	- -	-	









3003 Runyon Canyon

