



April 24, 2024

Joseph Milburn
JT Prospecting LLC
447 Howland Canal
Venice, CA 90291

Subject: County of San Bernardino – Proposed Joshua Tree Campground Project Noise Technical Memorandum.

Dear Mr. Milburn:

Vista Environmental has conducted this analysis to evaluate the potential construction and operational noise impacts that would be created from development of the proposed Joshua Tree Campground Project. This assessment was conducted within the context of the California Environmental Quality Act (CEQA, California Public Resources Code Sections 21000, et seq.).

Project Location

The project site is located within an unincorporated portion of San Bernardino County (County) at 62076 Mercury Drive and consists of one parcel (APN: 0631-201-68) that is approximately 7.5 gross acres. The project site is mostly vacant, except for a small cabin and a storage structure and is bounded by rural residential uses to the north, vacant land to the east, rural residential uses and vacant land to the south, Adele Lane and rural residential uses to the west. The project study area is shown in Figure 1 attached to this Memo.

Sensitive Receptors in Project Vicinity

The nearest sensitive receptors to the project site is a single-family home located as near as 230 feet west of the project site. There are also single-family homes located as near as 510 feet north of the project site and 410 feet southwest of the project site.

Project Description

The proposed project would consist of development of a campground with 15 dry campsites (no water), each with designated parking for one vehicle, a shade structure, picnic table, and designated space for either a tent or self-contained R.V. The proposed project would also include an onsite dirt road system to access the 15 campsites and a few porta potties that would be placed strategically to be shared by multiple campsites and will have a regular pumping/cleaning schedule. The existing small cabin and storage structure will remain onsite and will be utilized for owner and maintenance use only.

The proposed campground would be operated remotely with online bookings, except for scheduled maintenance activities. Automated sliding entry and exit gates will be installed with a keypad for the entry gate and motion detection for the exit gate. No utility connections will be provided to the campground. All electricity for gates and lighting will be provided by solar panels and batteries. No burning of any material will be permitted in the campground. Landscaping will consist of the natural desert landscaping that is currently on the project site. The proposed site plan is shown in Figure 2 attached to this Memo.



County of San Bernardino Noise and Vibration Regulations

The County of San Bernardino General Plan and Municipal Code establishes the following applicable policies related to noise and vibration.

County of San Bernardino General Plan

The following applicable goals and policies to the proposed project are from the Noise Element of the General Plan.

Goal N 1: The County will abate and avoid excessive noise exposures through noise mitigation measures incorporated into the design of new noise-generating and new noise-sensitive land uses, while protecting areas within the County where the present noise environment is within acceptable limits.

Policies

- N 1.1** Designate areas within San Bernardino County as "noise impacted" if exposed to existing or projected future exterior noise levels from mobile or stationary sources exceeding the standards listed in Chapter 83.01 of the Development Code.
- N 1.3** When industrial, commercial, or other land uses, including locally regulated noise sources, are proposed for areas containing noise-sensitive land uses, noise levels generated by the proposed use will not exceed the performance standards of Table N-2 within outdoor activity areas. If outdoor activity areas have not yet been determined, noise levels shall not exceed the performance standards listed in Chapter 83.01 of the Development Code at the boundary of areas planned or zoned for residential or other noise-sensitive land uses.
- N 1.5** Limit truck traffic in residential and commercial areas to designated truck routes; limit construction, delivery, and through-truck traffic to designated routes; and distribute maps of approved truck routes to County traffic officers.
- N 1.6** Enforce the hourly noise-level performance standards for stationary and other locally regulated sources, such as industrial, recreational, and construction activities as well as mechanical and electrical equipment.
- N 1.7** Prevent incompatible land uses, by reason or excessive noise levels, from occurring in the future.

County of San Bernardino Municipal Code

The County of San Bernardino Municipal Code establishes the following applicable standards related to noise and vibration.

83.01.010 Purpose

The purpose of this of this Chapter is to establish uniform performance standards for development within the County that promotes compatibility with surrounding areas and land uses.

Performance standards are designed to mitigate the environmental impacts of existing and proposed land uses within a community. Environmental impacts include air quality, glare, heat, noise, runoff control, and waste disposal. These general performance standards are intended to protect the health and safety of businesses, nearby residents, and workers and to prevent damaging effects to surrounding properties.

83.01.080 Noise.

This Section establishes standards concerning acceptable noise levels for both noise-sensitive land uses and for noise-generating land uses.

(a) *Noise Measurement.* Noise shall be measured:

- (1) At the property line of the nearest site that is occupied by, and/or zoned or designated to allow the development of noise sensitive land uses;
- (2) With a sound level meter that meets the standard of the American National Standards Institute (ANSI Section S14-1979, Type 1 or Type 2);
- (3) Using the “A” weighted sound pressure level scale in decibels (ref. pressure = 20 micronewtons per meter squared). The unit of measure shall be designated as dB(A).

(b) *Noise Impacted Areas.* Areas within the County shall be designated as “noise-impacted” if exposed to existing or projected future exterior noise levels from mobile or stationary sources exceeding the standards listed in Subdivision (d) (Noise Standards for Stationary Noise Sources) and Subdivision (e) (Noise Standards for Adjacent Mobile Noise Sources), below. New development of residential or other noise-sensitive land uses shall not be allowed in noise-impacted areas unless effective mitigation measures are incorporated into the project design to reduce noise levels to these standards. Noise-sensitive land uses shall include residential uses, schools, hospitals, nursing homes, religious institutions, libraries, and similar uses.

(c) *Noise Standards for Stationary Noise Sources.*

- (1) *Noise Standards.* Table 83-2 (Noise Standards for Stationary Noise Sources) describes the noise standard for emanations from a stationary noise source, as it affects adjacent properties:

Table A – County of San Bernardino Noise Standards for Stationary Noise Sources

Affected Land Uses (Receiving Noise)	7 a.m. – 10 p.m. Leq	10 p.m. – 7 p.m. Leq
Residential	55 dB(A)	45 dB(A)
Professional Services	55 dB(A)	55 dB(A)
Other Commercial	60 dB(A)	60 dB(A)
Industrial	70 dB(A)	70 dB(A)

Note:

Leq = (Equivalent Energy Level). The sound level corresponding to a steady-state sound level containing the same total energy as a time varying signal over a given sample period, typically 1, 8 or 24 hours.

dB(A) = (A-weighted Sound Pressure Level). The sound pressure level, in decibels, as measured on a sound level meter using the A-weighting filter network. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound, placing greater emphasis on those frequencies within the sensitivity range of the human ear.

Ldn = (Day-Night Noise Level). The average equivalent A-weighted sound level during a 24-hour day obtained by adding 10 decibels to the hourly noise levels measured during the night (from 10 pm to 7 am). In this way Ldn takes into account the lower tolerance of people for noise during nighttime periods.

Source: County of San Bernardino, 2020.

- (2) *Noise Limit Categories.* No person shall operate or cause to be operated a source of sound at a location or allow the creation of noise on property owned, leased, occupied, or otherwise controlled by the person, which causes the noise level, when measured on

another property, either incorporated or unincorporated, to exceed any one of the following:

- (A) The noise standard for the receiving land use as specified in Subdivision (b) (Noise-Impacted Areas), above, for a cumulative period of more than 30 minutes in any hour.
- (B) The noise standard plus five dB(A) for a cumulative period of more than 15 minutes in any hour.
- (C) The noise standard plus ten dB(A) for a cumulative period of more than five minutes in any hour.
- (D) The noise standard plus 15 dB(A) for a cumulative period of more than one minute in any hour.
- (E) The noise standard plus 20 dB(A) for any period of time.

(d) *Noise Standards for Adjacent Mobile Noise Sources.* Noise from mobile sources may affect adjacent properties adversely. When it does, the noise shall be mitigated for any new development to a level that shall not exceed the standards described in the following Table 83-3 (Table B - Noise Standards for Adjacent Mobile Noise Sources).

Table B – County of San Bernardino Noise Standards for Mobile Noise Sources

Categories	Land Use Uses	Ldn (or CNEL) dB(A)	
		Interior ⁽¹⁾	Exterior ⁽²⁾
Residential	Single and multi-family, duplex, mobile homes	45	60 ⁽³⁾
	Hotel, motel, transient housing	45	60 ⁽³⁾
Commercial	Commercial, retail, bank, restaurant	50	N/A
	Office building, research and development, professional offices	45	65
	Amphitheater, concert hall, auditorium, movie theater	45	65
Institutional/Public	Hospital, nursing home, school classroom, religious institution, library	45	65
Open Space	Park	N/A	65

Notes:

(1) The indoor environment shall exclude bathrooms, kitchens, toilets, closets and corridors.

(2) The outdoor environment shall be limited to: Hospital/office building patios, Hotel and motel recreation areas, Mobile home parks, Multi-family private patios or balconies, Park picnic areas, Private yard of single-family dwellings, School playgrounds

(3) An exterior noise level of up to 65 dB(A) (or CNEL) shall be allowed provided exterior noise levels have been substantially mitigated through a reasonable application of the best available noise reduction technology, and interior noise exposure does not exceed 45 dB(A) (or CNEL) with windows and doors closed. Requiring that windows and doors remain closed to achieve an acceptable interior noise level shall necessitate the use of air conditioning or mechanical ventilation.

CNEL = (Community Noise Equivalent Level). The average equivalent A-weighted sound level during a 24-hour day, obtained after addition of approximately five decibels to sound levels in the evening from 7 p.m. to 10 a.m. and 10 decibels to sound levels in the night from 10:00 p.m. to 7:00 a.m.

Source: County of San Bernardino, 2020.

(e) *Increases in Allowable Noise Levels.* If the measured ambient level exceeds any of the first four noise limit categories in Subdivision (d)(2), above, the allowable noise exposure standard shall be increased to reflect the ambient noise level. If the ambient noise level exceeds the fifth noise limit category in Subdivision (d)(2), above, the maximum allowable noise level under this category shall be increased to reflect the maximum ambient noise level.

- (f) *Reductions in Allowable Noise Levels.* If the alleged offense consists entirely of impact noise or simple tone noise, each of the noise levels in Table 83-2 (Noise Standards for Stationary Noise Sources) shall be reduced by five dB(A).
- (g) *Exempt Noise.* The following sources of noise shall be exempt from the regulations of this Section:
 - (1) Motor vehicles not under the control of the commercial or industrial use.
 - (2) Emergency equipment, vehicles and devices.
 - (3) Temporary construction, maintenance, repair, or demolition activities between 7:00 a.m. and 7:00 p.m., except Sundays and Federal holidays.
- (h) *Noise Standards for Other Structures.* All other structures shall sound attenuated against the combined input of all present and projected exterior noise to not exceed the criteria.

Table C – County of San Bernardino Noise Standards for Other Structures

Typical Uses	12-Hour Equivalent Sound Level (Interior) in dBA Ldn
Education, institutions, libraries, meeting facilities, etc.	45
General office, reception, etc.	50
Retail stores, restaurants, etc.	55
Other areas for manufacturing, assembly, testing, warehousing, etc.	65

Source: County of San Bernardino, 2020.

In addition, the average of the maximum levels on the loudest intrusive sounds occurring during a 24-hour period shall not exceed 65 dBA interior.

83.01.090 Vibration.

- (a) *Vibration Standard.* No ground vibration shall be allowed that can be felt without the aid of instruments at or beyond the lot line, nor shall any vibration be allowed which produces a particle velocity greater than or equal to two-tenths inches per second measured at or beyond the lot line.
- (b) *Vibration Measurement.* Vibration velocity shall be measured with a seismograph or other instrument capable of measuring and recording displacement and frequency, particle velocity, or acceleration. Readings shall be made at points of maximum vibration along any lot line next to a parcel within a residential, commercial and industrial land use zoning district.
- (c) *Exempt Vibrations.* The following sources of vibration shall be exempt from the regulations of this Section.
 - (1) Motor vehicles not under control of the subject use.
 - (2) Temporary construction, maintenance, repair, or demolition activities between 7:00 a.m. and 7:00 p.m., except Sundays and Federal holidays.

Existing Noise Conditions

The noise environment at the project site is characterized by rural noises such as birds chirping, with occasional vehicle pass-bys on the nearby roads. Noise Measurement ST-20 from the *San Bernardino*

Countywide Plan Draft PEIR, prepared June 2019, was taken approximately four miles southeast of the project site at the intersection of Center Avenue and Belmont Street, which has a similar noise environment to the project site and recorded noise levels of 42.1 dBA Leq, 29.0 dBA Lmin, and 62.1 dBA Lmax.

Construction Noise

Construction Noise Modeling

The noise impacts from construction of the proposed project have been analyzed through use of the FHWA’s Roadway Construction Noise Model (RCNM). The FHWA compiled noise measurement data regarding the noise generating characteristics of several different types of construction equipment used during the Central Artery/Tunnel project in Boston. Table D below provides a list of the construction equipment anticipated to be used for each phase of construction as detailed in the *San Bernardino County – Proposed Joshua Tree Campground Project Air Quality, Energy, and Greenhouse Gas Emissions Technical Memorandum* (Air Quality Memo), prepared by Vista Environmental, April 21, 2024.

Table D – Construction Equipment Noise Emissions and Usage Factors

Equipment Description	Number of Equipment	Acoustical Use Factor ¹ (percent)	Spec 721.560 Lmax at 50 feet ² (dBA, slow ³)	Actual Measured Lmax at 50 feet ⁴ (dBA, slow ³)
Site Preparation				
Tractor	1	40	84	N/A
Grading				
Backhoe	1	40	80	78
Tractor	1	40	84	N/A
Building Construction				
Forklift (Gradall)	1	40	85	83
Generator	1	50	82	81
Tractor	1	40	84	N/A
Paving				
Cement and Mortar Mixer	1	40	85	79
Tractor	1	40	84	N/A
Architectural Coating				
Air Compressor	1	40	80	78

Notes:

¹ Acoustical use factor is the percentage of time each piece of equipment is operational during a typical workday.

² Spec 721.560 is the equipment noise level utilized by the RCNM program.

³ The “slow” response averages sound levels over 1-second increments. A “fast” response averages sound levels over 0.125-second increments.

⁴ Actual Measured is the average noise level measured of each piece of equipment during the Central Artery/Tunnel project in Boston, Massachusetts primarily during the 1990s.

Source: Federal Highway Administration, 2006.

Table D also shows the associated measured noise emissions for each piece of equipment from the RCNM model and measured percentage of typical equipment use per day. Construction noise impacts to the nearby sensitive receptors have been calculated according to the equipment noise levels and usage factors listed in Table D and through use of the RCNM. For each phase of construction, all construction equipment was analyzed based on being placed in the middle of the project site, which is based on the



analysis methodology detailed in the Transit Noise and Vibration Impact Assessment Manual (FTA Manual), prepared by the FTA, September 2018, for a General Assessment. However, in order to provide a conservative analysis, all equipment was analyzed, instead of just the two noisiest pieces of equipment as detailed in the FTA Manual.

Construction Noise Impacts

The construction activities for the proposed project are anticipated to include site preparation and grading of approximately a quarter of the 7.5 gross acre project site (approximately three quarters of the project site will be undisturbed), building construction of the campsite areas (shade structures and picnic tables), limited paving, and application of architectural coatings. The nearest sensitive receptors to the project site are residents at the single-family home located as near as 230 feet west of the project site. There are also single-family homes located as near as 510 feet north of the project site and 410 feet southwest of the project site.

Section 83.01.080(g)(3) of the County’s Municipal Code allows construction noise to exceed the County noise standards provided that construction activities occur between 7:00 a.m. and 7:00 p.m., except Sundays and Federal holidays. However, the County construction noise standards do not provide any limits to the noise levels that may be created from construction activities and even with adherence to the County standards, the resultant construction noise levels may result in a significant substantial temporary noise increase to the nearby residents.

In order to determine if the proposed construction activities would create a significant substantial temporary noise increase, the construction noise standards provided in the FTA Manual (FTA, 2018), has been utilized, since this is the only guidance document from a government agency that defines what constitutes a significant construction noise impact from implementing a project. The FTA Manual details that a significant construction noise impact would occur if construction noise exceeds 80 dBA Leq over an 8-hour workday at any of the nearby homes.

Construction noise impacts to the nearby sensitive receptors have been calculated through use of the RCNM and the parameters and assumptions are detailed above. The results are shown below in Table E and the RCNM printouts are attached to this Memo.

Table E – Construction Noise Levels at the Nearby Homes

Construction Phase	Construction Noise Level (dBA Leq) at:		
	Nearest Home to West ¹	Nearest Home to North ²	Nearest Homes to Southwest ³
Site Preparation	59	56	58
Grading	60	57	59
Building Construction	63	60	62
Paving	60	57	60
Painting	53	49	52
FTA Construction Noise Threshold⁴	80	80	80
Exceed Threshold?	No	No	No

¹ The nearest home to the west is located as near as 570 feet from the middle of project site.

² The nearest home to the north is located as near as 820 feet from the middle of project site.

³ The nearest home to the southwest is located as near as 600 feet from the middle of project site.

⁴ The FTA Construction noise threshold for residential uses obtained from the FTA Manual (FTA, 2018).

Source: RCNM, Federal Highway Administration, 2006

Table E shows that the greatest noise impacts would be as high as 63 dBA Leq during the building construction phase at the nearest home to the west. All calculated construction noise levels shown in Table E are within the FTA daytime construction noise standard of 80 dBA averaged over eight hours. Therefore, through adherence to the limitation of allowable construction times provided in Section 83.01.080(g)(3) of the Municipal Code, construction-related noise levels would not exceed any standards established in the General Plan or Noise Ordinance nor would construction activities create a substantial temporary increase in ambient noise levels from construction of the proposed project. Impacts would be less than significant.

Operational Noise

The proposed project would consist of the development of a campground. Potential noise impacts would be from project-generated vehicular traffic on the nearby roadways and from onsite activities, which have been analyzed separately below.

Roadway Vehicular Noise

Vehicle noise is a combination of the noise produced by the engine, exhaust and tires. The level of traffic noise depends on three primary factors (1) the volume of traffic, (2) the speed of traffic, and (3) the number of trucks in the flow of traffic. The proposed project does not propose any uses that would require a substantial number of truck trips and the proposed project would not alter the speed limit on any existing roadway so the proposed project's potential offsite noise impacts have been focused on the noise impacts associated with the change of volume of traffic that would occur with development of the proposed project.

The General Plan Noise Element Goal N 1, requires the avoidance of excessive noise exposure to noise sensitive land uses. However, the General Plan does not quantify what is a significant roadway noise increase. As such, the roadway noise threshold utilized in the *San Bernardino Countywide Plan Draft Environmental Impact Report* (Countywide Plan DEIR), prepared by Placeworks, June 2019, has been utilized, which details that a significant noise increase would occur when the traffic noise increases by 3 dBA CNEL.

According to the Air Quality Memo (Vista Environmental, 2024), the proposed project is anticipated to generate 22 daily vehicle trips, at full occupancy. According to the *Joshua Tree Community Plan*, adopted March 13, 2007, the nearest roadway that was analyzed is Border Avenue that is anticipated to have 1,798 average daily trips by the year 2030. The proposed project would contribute up to 1.2 percent of the daily trips on Border Avenue. In order for project-generated vehicular traffic to increase the noise level on any of the nearby roadways by 3 dB, the ADT would have to double, or by 1.5 dB, the ADT would have to increase by 50 percent. As such, the proposed project's roadway noise impacts would be well below the County's 3 dBA roadway noise increase threshold. Therefore, operational roadway noise impacts to the nearby sensitive receptors would be less than significant.

Onsite Noise Impacts

The operation of the proposed project may create an increase in onsite noise levels from the proposed campsites. Section 83.01.080(c) of the County's Development Code limits the noise created from stationary sources, such as campsites to 55 dBA between 7 a.m. and 10 p.m. and to 45 dBA between 10 p.m. and 7 a.m. at the nearby homes.

In order to determine the noise impacts from the operation of the campground, a reference noise measurement of was taken at 50 feet from campsites at San Simeon Creek Campground, which has 115 campsites and as such represents a worst-case or conservative reference for the proposed project that is proposing 15 campsites. The reference noise measurement and associated photo index of the noise measurement is attached to this Memo.

The noise levels at the nearby sensitive receptors were calculated based on standard geometric spreading of noise, which provides an attenuation rate of 6 dB per doubling the distance between source and receptor. The operational noise levels were calculated at representative sensitive receptors and the results are shown in Table F.

Table F – Onsite Operational Noise Levels at the Nearby Sensitive Receptors

Noise Source	Operational Noise Levels ¹ (dBA Leq) at:		
	Nearest Home to West ²	Nearest Home to North ³	Nearest Homes to Southwest ⁴
Campsites ⁵	30	27	28
County Noise Standards ⁶ (Day/Night)	55/45	55/45	55/45
Exceed Standards?	No/No	No/No	No/No

Notes:

¹ The noise levels were calculated through use of standard geometric spreading of noise from a point source with a drop-off rate of 6 dB for each doubling of the distance between the source and receiver.

² The nearest home to west is as near as 340 feet from the nearest campsite.

³ The nearest home to north is as near as 535 feet from the nearest campsite.

⁴ The nearest home to southwest is as near as 460 feet from the nearest campsite.

⁵ The campsites are based on a reference noise measurement of 47.1 dBA at 50 feet.

⁶ From Section 83.01.080 of the County’s Development Code

Table F shows that the proposed project’s onsite operational noise from the proposed campsites would not exceed either the daytime or nighttime County residential noise standards for stationary noise sources. Therefore, operational onsite noise impacts would be less than significant.

Vibration Impacts

The proposed project would not expose persons to or generation of excessive groundborne vibration or groundborne noise levels. The following section analyzes the potential vibration impacts associated with the construction and operations of the proposed project.

Construction-Related Vibration Impacts

The construction activities for the proposed project are anticipated to include site preparation and grading of approximately a quarter of the 7.5 gross acre project site (approximately three quarters of the project site will be undisturbed), building construction of the campsite areas (shade structures and picnic tables), limited paving, and application of architectural coatings. Vibration impacts from construction activities associated with the proposed project would typically be created from the operation of heavy off-road equipment. The nearest sensitive receptors to the project site are residents at the single-family home located as near as 230 feet west of the project site.

Section 83.01.090 of the County’s Municipal Code restricts the creation of vibration which produces a particle velocity greater than 0.2 inch-per-second PPV. The project applicant has stated that no large earthmoving equipment would be utilized during construction of the project. From the equipment list provided in the FTA Manual (FTA, 2018) with available vibration data, a small bulldozer would be the



closest fit to the anticipated equipment that would be used, which creates a vibration level of 0.003 inch per second PPV at 25 feet. Based on typical propagation rates, the vibration level at the nearest offsite structure (230 feet away) would be 0.0003 inch per second PPV. The vibration level at the nearest home would be below the County's 0.2 inch per second PPV threshold. Impacts would be less than significant.

Operations-Related Vibration Impacts

The proposed project would consist of the development of a campground. The on-going operation of the proposed project would not include the operation of any known vibration sources. Therefore, a less than significant vibration impact is anticipated from operation of the proposed project.

Aircraft Noise

The proposed project may expose people residing in the project area to excessive noise levels from aircraft. The nearest airport is the Yucca Valley Airport that is located as near as 9.6 miles southwest of the project site. The project site is located outside of the 60 dBA CNEL noise contours of this Airport. Therefore, the proposed project would not be exposed to excessive aircraft noise. Impacts would be less than significant.

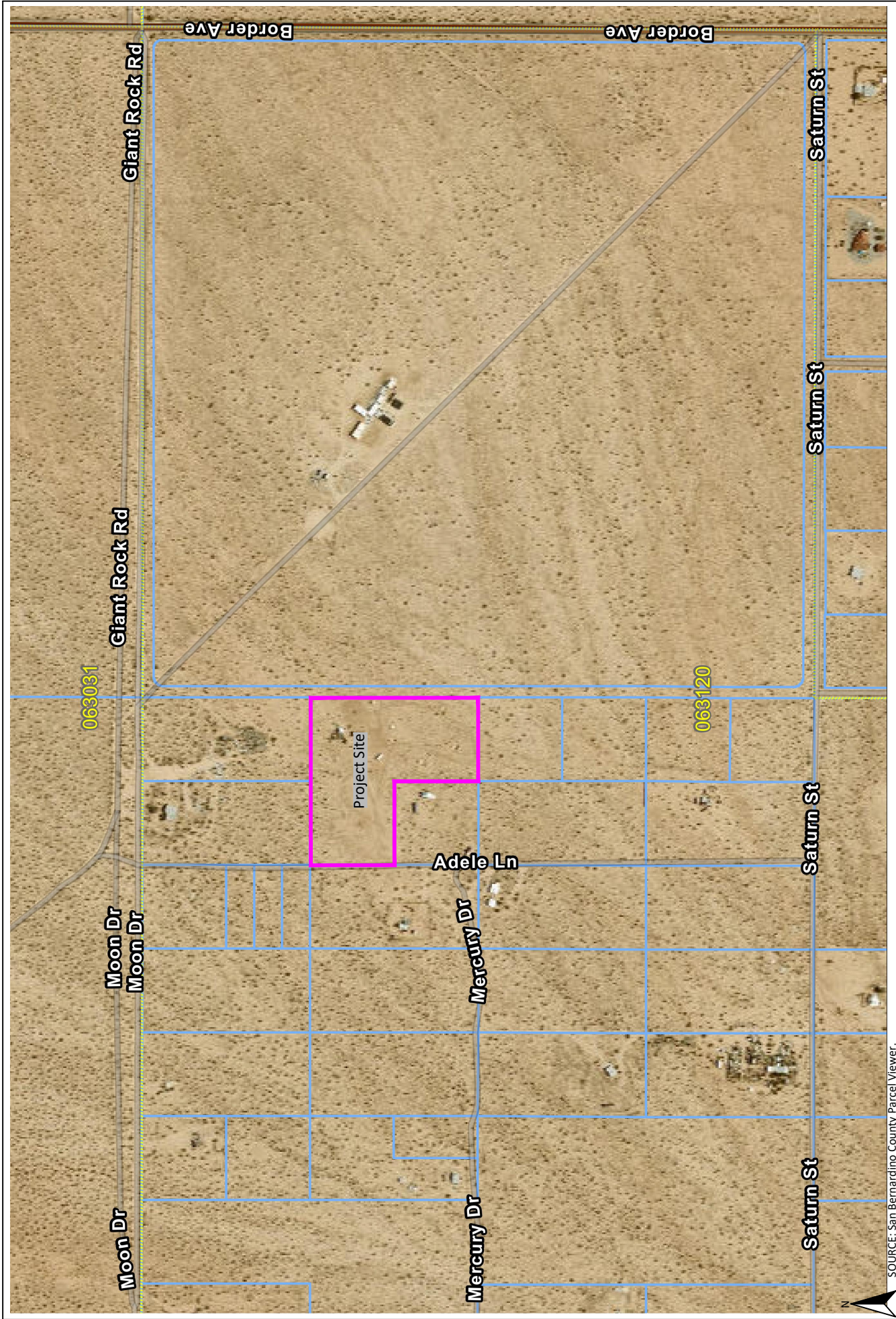
Please let me know if you have any questions or need additional information with regard to the above analysis. I can be reached at (949) 510-5355, or email me at greg@vistalb.com.

Sincerely,

A handwritten signature in black ink that reads "Greg Tonkovich".

Greg Tonkovich, INCE
Senior Analyst
Vista Environmental
949 510 5355

Encl.: Figure 1 – Project Study Area
 Figure 2 – Proposed Site Plan
 RCNM Model Construction Noise Calculation Printouts
 Operational Reference Noise Measurements Printouts



SOURCE: San Bernardino County Parcel Viewer.



Figure 1
Project Location Map

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 4/22/2024

Case Description: Joshua Tree Campground - Site Preparation

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)					
Home to West	Residential	Daytime	Evening	Night			
		42.1	42.1	42.1			
				Equipment Spec	Actual	Receptor	Estimated
Description	Impact Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)	
Tractor	No	40	84		570	0	
				Results			
		Calculated (dBA)		Noise Limits (dBA)			
				Day			
		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Equipment		62.9	58.9	N/A	N/A	N/A	N/A
Tractor							
	Total	63	59	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)					
Home to North	Residential	Daytime	Evening	Night			
		42.1	42.1	42.1			
				Equipment Spec	Actual	Receptor	Estimated
Description	Impact Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)	
Tractor	No	40	84		820	0	
				Results			
		Calculated (dBA)		Noise Limits (dBA)			
				Day			
		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Equipment		59.7	55.7	N/A	N/A	N/A	N/A
Tractor							
	Total	60	56	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 4/22/2024
 Case Description: Joshua Tree Campground - Site Preparation

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Home to Southwest	Residential	42.1	42.1	42.1

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		600	0

Equipment	Calculated (dBA)	Results					
		Day		Noise Limits (dBA)			
		*Lmax	Leq	Lmax	Leq	Evening Lmax	Leq
Tractor	62.4	58.4	N/A	N/A	N/A	N/A	N/A
Total	62	58	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 4/22/2024
 Case Description: Joshua Tree Campground - Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Home to West	Residential	42.1	42.1	42.1

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	570	0
Tractor	No	40	84		570	0

Equipment	Calculated (dBA)		Results Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Backhoe	56	52	N/A	N/A	N/A	N/A
Tractor	63	59	N/A	N/A	N/A	N/A
Total	63	60	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Home to North	Residential	42.1	42.1	42.1

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	820	0
Tractor	No	40	84		820	0

Equipment	Calculated (dBA)		Results Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Backhoe	53.3	49.3	N/A	N/A	N/A	N/A
Tractor	59.7	55.7	N/A	N/A	N/A	N/A
Total	60	57	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 4/22/2024
 Case Description: Joshua Tree Campground - Grading

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Home to Southwest	Residential	42.1	42.1	42.1

Description	Impact	Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
				Spec Lmax (dBA)	Actual Lmax (dBA)		
Backhoe	No	No	40	84	77.6	600	0
Tractor	No	No	40	84	77.6	600	0

Equipment	Calculated (dBA)	Results					
		Day		Noise Limits (dBA)			
		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Backhoe	56.0	52.0	N/A	N/A	N/A	N/A	N/A
Tractor	62.4	58.4	N/A	N/A	N/A	N/A	N/A
Total	62	59	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 4/22/2024

Case Description: Joshua Tree Campground - Building Construction

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Home to West	Residential	42.1	42.1	42.1

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Gradall	No	40		83.4	570	0
Generator	No	50		80.6	570	0
Tractor	No	40	84		570	0

Equipment	Calculated (dBA)		Results Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq
Gradall	62.3	58.3	N/A	N/A	N/A	N/A
Generator	59.5	56.5	N/A	N/A	N/A	N/A
Tractor	62.9	58.9	N/A	N/A	N/A	N/A
Total	63	63	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 4/22/2024
 Case Description: Joshua Tree Campground - Building Construction

---- Receptor #2 ----

		Baselines (dBA)						
Description	Land Use	Daytime	Evening	Night				
Home to North	Residential	42.1	42.1	42.1				
					Equipment			
		Impact			Spec	Actual	Receptor	Estimated
Description		Device	Usage(%)		Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Gradall		No	40			83.4	820	0
Generator		No	50			80.6	820	0
Tractor		No	40	84			820	0
					Results			
		Calculated (dBA)		Noise Limits (dBA)				
				Day	Evening			
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	
Gradall		59.1	55.1	N/A	N/A	N/A	N/A	
Generator		56.3	53.3	N/A	N/A	N/A	N/A	
Tractor		59.7	55.7	N/A	N/A	N/A	N/A	
Total		60	60	N/A	N/A	N/A	N/A	

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)						
Description	Land Use	Daytime	Evening	Night				
Home to Southwest	Residential	42.1	42.1	42.1				
					Equipment			
		Impact			Spec	Actual	Receptor	Estimated
Description		Device	Usage(%)		Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Gradall		No	40			83.4	600	0
Generator		No	50			80.6	600	0
Tractor		No	40	84			600	0
					Results			
		Calculated (dBA)		Noise Limits (dBA)				
				Day	Evening			
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	
Gradall		61.8	57.8	N/A	N/A	N/A	N/A	
Generator		59.0	56.0	N/A	N/A	N/A	N/A	
Tractor		62.4	58.4	N/A	N/A	N/A	N/A	
Total		62	62	N/A	N/A	N/A	N/A	

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 4/22/2024
 Case Description: Joshua Tree Campground - Paving

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		Night
		Daytime	Evening	
Home to West	Residential	42.1	42.1	42.1

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	570	0
Tractor	No	40	84		570	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	58	54	N/A	N/A	N/A	N/A
Tractor	63	59	N/A	N/A	N/A	N/A
Total	63	60	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		Night
		Daytime	Evening	
Home to North	Residential	42.1	42.1	42.1

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	820	0
Tractor	No	40	84		820	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	54.5	50.5	N/A	N/A	N/A	N/A
Tractor	59.7	55.7	N/A	N/A	N/A	N/A
Total	60	57	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 4/22/2024
 Case Description: Joshua Tree Campground - Paving

		Baselines (dBA)			---- Receptor #3 ----			
Description	Land Use	Daytime	Evening	Night				
Home to Southwest	Residential	42.1	42.1	42.1				
		Impact		Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)	
Description		Device	Usage(%)					
Concrete Mixer Truck		No	40		78.8	600	0	
Tractor		No	40	84		600	0	
		Calculated (dBA)		Results		Noise Limits (dBA)		
Equipment		*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	
Concrete Mixer Truck		57.2	53.2	N/A	N/A	N/A	N/A	
Tractor		62.4	58.4	N/A	N/A	N/A	N/A	
	Total	62	60	N/A	N/A	N/A	N/A	

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 4/22/2024
 Case Description: Joshua Tree Campground - Painting

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		Night			
Home to West	Residential	Daytime	Evening	42.1			
		42.1	42.1	42.1			
				Equipment Spec	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Description		Impact Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Compressor (air)		No	40	77.7	77.7	570	0
Results							
		Calculated (dBA)		Noise Limits (dBA)			
				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)		56.5	52.6	N/A	N/A	N/A	N/A
	Total	57	53	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		Night			
Home to North	Residential	Daytime	Evening	42.1			
		42.1	42.1	42.1			
				Equipment Spec	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Description		Impact Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Compressor (air)		No	40	77.7	77.7	820	0
Results							
		Calculated (dBA)		Noise Limits (dBA)			
				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)		53.4	49.4	N/A	N/A	N/A	N/A
	Total	53	49	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 4/22/2024
 Case Description: Joshua Tree Campground - Painting

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Home to Southwest	Residential	42.1	42.1	42.1

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40	77.7	600	0	

Equipment	Calculated (dBA)	Results				
				Noise Limits (dBA)		
		*Lmax	Leq	Day Lmax	Leq	Evening Lmax
Compressor (air)	56.1	52.1	N/A	N/A	N/A	N/A
Total	56	52	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.



Campground Measurement - looking north



Campground Measurement - looking northeast



Campground Measurement - looking east



Campground Measurement - looking southeast



Campground Measurement - looking south



Campground Measurement - looking southwest



Campground Measurement - looking west



Campground Measurement - looking northwest

Approx 50 ft east of campspaces at San Simeon Creek Campground

Date Time=05/20/13 9:26:00 AM
 Sampling Time=3 Freq Weighting=A Weighting=Slow
 Record Num= 29600 CNEL(24hr)= 51.8
 Leq 47.1 SEL Value=97.2 Ldn(24hr)= 51.5
 MIN 35.2 Min Leq1hr = 38.4 2:35:12 AM
 MAX 71.2 Max Leqhr = 51.3 9:56:00 AM

Approx 50 ft east of campspaces at San Simeon Creek Campground

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
48.8	9:26:00		48.8	48.8
49.8	9:26:03		49.8	49.8
50.2	9:26:06		50.2	50.2
54.1	9:26:09		54.1	54.1
46.9	9:26:12		46.9	46.9
52.6	9:26:15		52.6	52.6
52.7	9:26:18		52.7	52.7
53.3	9:26:21		53.3	53.3
45.5	9:26:24		45.5	45.5
53.7	9:26:27		53.7	53.7
45.7	9:26:30		45.7	45.7
45.8	9:26:33		45.8	45.8
43.6	9:26:36		43.6	43.6
50.5	9:26:39		50.5	50.5
51.4	9:26:42		51.4	51.4
51.3	9:26:45		51.3	51.3
48	9:26:48		48	48
48.6	9:26:51		48.6	48.6
45.1	9:26:54		45.1	45.1
46.7	9:26:57		46.7	46.7
45.1	9:27:00		45.1	45.1
47.2	9:27:03		47.2	47.2
50.4	9:27:06		50.4	50.4
51.4	9:27:09		51.4	51.4
54.3	9:27:12		54.3	54.3
46.6	9:27:15		46.6	46.6
46.2	9:27:18		46.2	46.2
46.5	9:27:21		46.5	46.5
54.4	9:27:24		54.4	54.4
48.3	9:27:27		48.3	48.3
45.7	9:27:30		45.7	45.7
52.8	9:27:33		52.8	52.8
53.5	9:27:36		53.5	53.5
52.6	9:27:39		52.6	52.6
54.3	9:27:42		54.3	54.3
51	9:27:45		51	51
53.9	9:27:48		53.9	53.9
54.9	9:27:51		54.9	54.9
53.2	9:27:54		53.2	53.2
51.3	9:27:57		51.3	51.3
52.4	9:28:00		52.4	52.4
54.6	9:28:03		54.6	54.6
57.5	9:28:06		57.5	57.5
52.7	9:28:09		52.7	52.7
52.1	9:28:12		52.1	52.1
51.2	9:28:15		51.2	51.2
50.6	9:28:18		50.6	50.6
52.6	9:28:21		52.6	52.6
49	9:28:24		49	49
48.7	9:28:27		48.7	48.7
46.9	9:28:30		46.9	46.9
45.9	9:28:33		45.9	45.9
49	9:28:36		49	49
47.1	9:28:39		47.1	47.1
49	9:28:42		49	49
46	9:28:45		46	46
45.3	9:28:48		45.3	45.3
43.9	9:28:51		43.9	43.9
47	9:28:54		47	47
45.9	9:28:57		45.9	45.9
47.3	9:29:00		47.3	47.3
46.5	9:29:03		46.5	46.5
46.2	9:29:06		46.2	46.2
46	9:29:09		46	46
46.2	9:29:12		46.2	46.2
45.3	9:29:15		45.3	45.3
45.4	9:29:18		45.4	45.4
45	9:29:21		45	45
44.7	9:29:24		44.7	44.7
44.3	9:29:27		44.3	44.3
44.7	9:29:30		44.7	44.7
47	9:29:33		47	47
49.2	9:29:36		49.2	49.2
47.4	9:29:39		47.4	47.4
46.1	9:29:42		46.1	46.1
45.1	9:29:45		45.1	45.1
45.8	9:29:48		45.8	45.8
45.2	9:29:51		45.2	45.2
44.6	9:29:54		44.6	44.6
44.5	9:29:57		44.5	44.5
45.4	9:30:00		45.4	45.4
44.5	9:30:03		44.5	44.5

Approx 50 ft east of campspaces at San Simeon Creek Campground

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
43.6	9:30:06		43.6	43.6
45.2	9:30:09		45.2	45.2
43.8	9:30:12		43.8	43.8
42.3	9:30:15		42.3	42.3
45.2	9:30:18		45.2	45.2
47.1	9:30:21		47.1	47.1
44.3	9:30:24		44.3	44.3
44.8	9:30:27		44.8	44.8
44.5	9:30:30		44.5	44.5
45.8	9:30:33		45.8	45.8
47.4	9:30:36		47.4	47.4
48.1	9:30:39		48.1	48.1
45.9	9:30:42		45.9	45.9
46.7	9:30:45		46.7	46.7
47.8	9:30:48		47.8	47.8
45.3	9:30:51		45.3	45.3
46.8	9:30:54		46.8	46.8
49	9:30:57		49	49
48	9:31:00		48	48
48.1	9:31:03		48.1	48.1
48.6	9:31:06		48.6	48.6
46.6	9:31:09		46.6	46.6
46.7	9:31:12		46.7	46.7
46.6	9:31:15		46.6	46.6
50.2	9:31:18		50.2	50.2
51.2	9:31:21		51.2	51.2
49.1	9:31:24		49.1	49.1
48.3	9:31:27		48.3	48.3
47.8	9:31:30		47.8	47.8
49.9	9:31:33		49.9	49.9
48.2	9:31:36		48.2	48.2
46.7	9:31:39		46.7	46.7
48	9:31:42		48	48
45.3	9:31:45		45.3	45.3
46.3	9:31:48		46.3	46.3
45	9:31:51		45	45
45.8	9:31:54		45.8	45.8
46	9:31:57		46	46
44.1	9:32:00		44.1	44.1
45.7	9:32:03		45.7	45.7
45.2	9:32:06		45.2	45.2
47.4	9:32:09		47.4	47.4
46.4	9:32:12		46.4	46.4
49.1	9:32:15		49.1	49.1
48.1	9:32:18		48.1	48.1
50	9:32:21		50	50
47.2	9:32:24		47.2	47.2
43	9:32:27		43	43
50.4	9:32:30		50.4	50.4
53.9	9:32:33		53.9	53.9
49.6	9:32:36		49.6	49.6
46.3	9:32:39		46.3	46.3
45.6	9:32:42		45.6	45.6
49.7	9:32:45		49.7	49.7
45.4	9:32:48		45.4	45.4
53.3	9:32:51		53.3	53.3
45.8	9:32:54		45.8	45.8
44.6	9:32:57		44.6	44.6
54.8	9:33:00		54.8	54.8
48.2	9:33:03		48.2	48.2
46.4	9:33:06		46.4	46.4
47	9:33:09		47	47
52.8	9:33:12		52.8	52.8
45.4	9:33:15		45.4	45.4
46.2	9:33:18		46.2	46.2
45.2	9:33:21		45.2	45.2
45.4	9:33:24		45.4	45.4
45.3	9:33:27		45.3	45.3
46	9:33:30		46	46
45.2	9:33:33		45.2	45.2
45.7	9:33:36		45.7	45.7
46.3	9:33:39		46.3	46.3
45.3	9:33:42		45.3	45.3
47	9:33:45		47	47
47.1	9:33:48		47.1	47.1
47.5	9:33:51		47.5	47.5
48.6	9:33:54		48.6	48.6
49.1	9:33:57		49.1	49.1
48	9:34:00		48	48
49.2	9:34:03		49.2	49.2
48.1	9:34:06		48.1	48.1
47.5	9:34:09		47.5	47.5
49.7	9:34:12		49.7	49.7
49.6	9:34:15		49.6	49.6
53.2	9:34:18		53.2	53.2
48.1	9:34:21		48.1	48.1
48.3	9:34:24		48.3	48.3
46.5	9:34:27		46.5	46.5
47.9	9:34:30		47.9	47.9
48.2	9:34:33		48.2	48.2
49.9	9:34:36		49.9	49.9
49.8	9:34:39		49.8	49.8
52.9	9:34:42		52.9	52.9

Approx 50 ft east of campspaces at San Simeon Creek Campground

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
46.8	9:34:45		46.8	46.8
46.7	9:34:48		46.7	46.7
46.7	9:34:51		46.7	46.7
46.7	9:34:54		46.7	46.7
47	9:34:57		47	47
45.6	9:35:00		45.6	45.6
48.1	9:35:03		48.1	48.1
46.8	9:35:06		46.8	46.8
47.7	9:35:09		47.7	47.7
44.8	9:35:12		44.8	44.8
48.1	9:35:15		48.1	48.1
44.6	9:35:18		44.6	44.6
45.2	9:35:21		45.2	45.2
44.6	9:35:24		44.6	44.6
45.8	9:35:27		45.8	45.8
43.9	9:35:30		43.9	43.9
46	9:35:33		46	46
45.5	9:35:36		45.5	45.5
45.7	9:35:39		45.7	45.7
47	9:35:42		47	47
47.5	9:35:45		47.5	47.5
46	9:35:48		46	46
51.2	9:35:51		51.2	51.2
50.4	9:35:54		50.4	50.4
48.1	9:35:57		48.1	48.1
46.6	9:36:00		46.6	46.6
50	9:36:03		50	50
47.4	9:36:06		47.4	47.4
48.3	9:36:09		48.3	48.3
48.5	9:36:12		48.5	48.5
46	9:36:15		46	46
44.7	9:36:18		44.7	44.7
45.5	9:36:21		45.5	45.5
44.8	9:36:24		44.8	44.8
45.8	9:36:27		45.8	45.8
47.3	9:36:30		47.3	47.3
46	9:36:33		46	46
45.1	9:36:36		45.1	45.1
48.8	9:36:39		48.8	48.8
44.6	9:36:42		44.6	44.6
47.3	9:36:45		47.3	47.3
48.4	9:36:48		48.4	48.4
45.9	9:36:51		45.9	45.9
44.4	9:36:54		44.4	44.4
45.9	9:36:57		45.9	45.9
46.3	9:37:00		46.3	46.3
44.4	9:37:03		44.4	44.4
45.8	9:37:06		45.8	45.8
49.2	9:37:09		49.2	49.2
45.3	9:37:12		45.3	45.3
45.4	9:37:15		45.4	45.4
46.6	9:37:18		46.6	46.6
44.2	9:37:21		44.2	44.2
44.6	9:37:24		44.6	44.6
45.1	9:37:27		45.1	45.1
44.7	9:37:30		44.7	44.7
47.4	9:37:33		47.4	47.4
48.1	9:37:36		48.1	48.1
46	9:37:39		46	46
46.4	9:37:42		46.4	46.4
48.3	9:37:45		48.3	48.3
52.3	9:37:48		52.3	52.3
50.2	9:37:51		50.2	50.2
50.1	9:37:54		50.1	50.1
50.9	9:37:57		50.9	50.9
49.5	9:38:00		49.5	49.5
51.4	9:38:03		51.4	51.4
51	9:38:06		51	51
53.2	9:38:09		53.2	53.2
52.1	9:38:12		52.1	52.1
52.2	9:38:15		52.2	52.2
53.2	9:38:18		53.2	53.2
53.4	9:38:21		53.4	53.4
53.5	9:38:24		53.5	53.5
43.7	9:38:27		43.7	43.7
52.5	9:38:30		52.5	52.5
52	9:38:33		52	52
52.5	9:38:36		52.5	52.5
52.5	9:38:39		52.5	52.5
51.6	9:38:42		51.6	51.6
50.4	9:38:45		50.4	50.4
48.3	9:38:48		48.3	48.3
49.5	9:38:51		49.5	49.5
49.1	9:38:54		49.1	49.1
50.5	9:38:57		50.5	50.5
48.7	9:39:00		48.7	48.7
47.5	9:39:03		47.5	47.5
56.3	9:39:06		56.3	56.3
48.6	9:39:09		48.6	48.6
45.2	9:39:12		45.2	45.2
48.3	9:39:15		48.3	48.3
50.6	9:39:18		50.6	50.6
51.5	9:39:21		51.5	51.5

Approx 50 ft east of campspaces at San Simeon Creek Campground

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
50.9	9:39:24		50.9	50.9
51.9	9:39:27		51.9	51.9
50	9:39:30		50	50
50.1	9:39:33		50.1	50.1
55.1	9:39:36		55.1	55.1
48.7	9:39:39		48.7	48.7
48.6	9:39:42		48.6	48.6
55.3	9:39:45		55.3	55.3
49.9	9:39:48		49.9	49.9
49	9:39:51		49	49
48.6	9:39:54		48.6	48.6
47.3	9:39:57		47.3	47.3
49.7	9:40:00		49.7	49.7
48.5	9:40:03		48.5	48.5
56.4	9:40:06		56.4	56.4
48.6	9:40:09		48.6	48.6
58	9:40:12		58	58
48.7	9:40:15		48.7	48.7
49.2	9:40:18		49.2	49.2
48.5	9:40:21		48.5	48.5
50.8	9:40:24		50.8	50.8
48.9	9:40:27		48.9	48.9
51.1	9:40:30		51.1	51.1
51.9	9:40:33		51.9	51.9
45.7	9:40:36		45.7	45.7
50.9	9:40:39		50.9	50.9
50.8	9:40:42		50.8	50.8
57.5	9:40:45		57.5	57.5
52.6	9:40:48		52.6	52.6
52.1	9:40:51		52.1	52.1
53.1	9:40:54		53.1	53.1
51.4	9:40:57		51.4	51.4
50.5	9:41:00		50.5	50.5
55.4	9:41:03		55.4	55.4
54.1	9:41:06		54.1	54.1
47.9	9:41:09		47.9	47.9
46.4	9:41:12		46.4	46.4
44.8	9:41:15		44.8	44.8
46	9:41:18		46	46
48.7	9:41:21		48.7	48.7
48.3	9:41:24		48.3	48.3
46.6	9:41:27		46.6	46.6
46.4	9:41:30		46.4	46.4
45.2	9:41:33		45.2	45.2
46.6	9:41:36		46.6	46.6
45.1	9:41:39		45.1	45.1
43.8	9:41:42		43.8	43.8
44.8	9:41:45		44.8	44.8
43.4	9:41:48		43.4	43.4
43.3	9:41:51		43.3	43.3
44.5	9:41:54		44.5	44.5
45	9:41:57		45	45
44.3	9:42:00		44.3	44.3
43.9	9:42:03		43.9	43.9
44.8	9:42:06		44.8	44.8
45.6	9:42:09		45.6	45.6
45.1	9:42:12		45.1	45.1
46.3	9:42:15		46.3	46.3
46.4	9:42:18		46.4	46.4
46.4	9:42:21		46.4	46.4
44.5	9:42:24		44.5	44.5
44.7	9:42:27		44.7	44.7
46.9	9:42:30		46.9	46.9
44.5	9:42:33		44.5	44.5
44.5	9:42:36		44.5	44.5
44.9	9:42:39		44.9	44.9
45	9:42:42		45	45
48.6	9:42:45		48.6	48.6
45.2	9:42:48		45.2	45.2
45.5	9:42:51		45.5	45.5
45.7	9:42:54		45.7	45.7
45.8	9:42:57		45.8	45.8
45	9:43:00		45	45
45.5	9:43:03		45.5	45.5
47.3	9:43:06		47.3	47.3
45.6	9:43:09		45.6	45.6
46.1	9:43:12		46.1	46.1
45.5	9:43:15		45.5	45.5
45.9	9:43:18		45.9	45.9
44.8	9:43:21		44.8	44.8
44.5	9:43:24		44.5	44.5
44.5	9:43:27		44.5	44.5
43.7	9:43:30		43.7	43.7
43.7	9:43:33		43.7	43.7
44.2	9:43:36		44.2	44.2
44.7	9:43:39		44.7	44.7
44.3	9:43:42		44.3	44.3
44.5	9:43:45		44.5	44.5
45.2	9:43:48		45.2	45.2
44	9:43:51		44	44
45	9:43:54		45	45
44.4	9:43:57		44.4	44.4
44.5	9:44:00		44.5	44.5

Approx 50 ft east of campspaces at San Simeon Creek Campground

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
46	9:44:03		46	46
47.5	9:44:06		47.5	47.5
53.2	9:44:09		53.2	53.2
54.9	9:44:12		54.9	54.9
57.6	9:44:15		57.6	57.6
50.3	9:44:18		50.3	50.3
52.1	9:44:21		52.1	52.1
49.3	9:44:24		49.3	49.3
49.4	9:44:27		49.4	49.4
48.9	9:44:30		48.9	48.9
49.2	9:44:33		49.2	49.2
48.8	9:44:36		48.8	48.8
50.2	9:44:39		50.2	50.2
50.5	9:44:42		50.5	50.5
49.9	9:44:45		49.9	49.9
48.8	9:44:48		48.8	48.8
50.2	9:44:51		50.2	50.2
49.5	9:44:54		49.5	49.5
52.2	9:44:57		52.2	52.2
52.9	9:45:00		52.9	52.9
58.2	9:45:03		58.2	58.2
52.9	9:45:06		52.9	52.9
55.2	9:45:09		55.2	55.2
56.7	9:45:12		56.7	56.7
55.6	9:45:15		55.6	55.6
51.8	9:45:18		51.8	51.8
55.8	9:45:21		55.8	55.8
50.9	9:45:24		50.9	50.9
54.5	9:45:27		54.5	54.5
58.6	9:45:30		58.6	58.6
59.7	9:45:33		59.7	59.7
55.3	9:45:36		55.3	55.3
51.8	9:45:39		51.8	51.8
51	9:45:42		51	51
49.3	9:45:45		49.3	49.3
47.6	9:45:48		47.6	47.6
45.8	9:45:51		45.8	45.8
46.6	9:45:54		46.6	46.6
46.8	9:45:57		46.8	46.8
45.9	9:46:00		45.9	45.9
48.7	9:46:03		48.7	48.7
46	9:46:06		46	46
47.7	9:46:09		47.7	47.7
47.1	9:46:12		47.1	47.1
50.5	9:46:15		50.5	50.5
52.2	9:46:18		52.2	52.2
51.8	9:46:21		51.8	51.8
49.4	9:46:24		49.4	49.4
50.4	9:46:27		50.4	50.4
48.6	9:46:30		48.6	48.6
49	9:46:33		49	49
47.2	9:46:36		47.2	47.2
48.2	9:46:39		48.2	48.2
49.4	9:46:42		49.4	49.4
46.9	9:46:45		46.9	46.9
50.1	9:46:48		50.1	50.1
46.3	9:46:51		46.3	46.3
46	9:46:54		46	46
49.2	9:46:57		49.2	49.2
45.3	9:47:00		45.3	45.3
44.4	9:47:03		44.4	44.4
45.3	9:47:06		45.3	45.3
43.1	9:47:09		43.1	43.1
43.1	9:47:12		43.1	43.1
44.5	9:47:15		44.5	44.5
44.8	9:47:18		44.8	44.8
43.8	9:47:21		43.8	43.8
45.3	9:47:24		45.3	45.3
43.5	9:47:27		43.5	43.5
50.1	9:47:30		50.1	50.1
45.7	9:47:33		45.7	45.7
48.5	9:47:36		48.5	48.5
47.2	9:47:39		47.2	47.2
47.8	9:47:42		47.8	47.8
46.7	9:47:45		46.7	46.7
45	9:47:48		45	45
43.8	9:47:51		43.8	43.8
43.5	9:47:54		43.5	43.5
44.6	9:47:57		44.6	44.6
44	9:48:00		44	44
43.6	9:48:03		43.6	43.6
45.2	9:48:06		45.2	45.2
45.4	9:48:09		45.4	45.4
45.8	9:48:12		45.8	45.8
46.8	9:48:15		46.8	46.8
46	9:48:18		46	46
46.7	9:48:21		46.7	46.7
44.6	9:48:24		44.6	44.6
45.1	9:48:27		45.1	45.1
45.1	9:48:30		45.1	45.1
46.5	9:48:33		46.5	46.5
47.8	9:48:36		47.8	47.8
48	9:48:39		48	48

Approx 50 ft east of campspaces at San Simeon Creek Campground

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
46.8	9:48:42		46.8	46.8
44.9	9:48:45		44.9	44.9
44.5	9:48:48		44.5	44.5
44.5	9:48:51		44.5	44.5
43.2	9:48:54		43.2	43.2
43.5	9:48:57		43.5	43.5
44.1	9:49:00		44.1	44.1
44.2	9:49:03		44.2	44.2
45.3	9:49:06		45.3	45.3
45.7	9:49:09		45.7	45.7
46.9	9:49:12		46.9	46.9
46.4	9:49:15		46.4	46.4
46.7	9:49:18		46.7	46.7
44.4	9:49:21		44.4	44.4
47.4	9:49:24		47.4	47.4
47.1	9:49:27		47.1	47.1
47.6	9:49:30		47.6	47.6
47	9:49:33		47	47
47.1	9:49:36		47.1	47.1
46.3	9:49:39		46.3	46.3
50.6	9:49:42		50.6	50.6
49.3	9:49:45		49.3	49.3
47.7	9:49:48		47.7	47.7
47.4	9:49:51		47.4	47.4
49.1	9:49:54		49.1	49.1
46.5	9:49:57		46.5	46.5
46.2	9:50:00		46.2	46.2
50.9	9:50:03		50.9	50.9
49.5	9:50:06		49.5	49.5
45.9	9:50:09		45.9	45.9
47.5	9:50:12		47.5	47.5
49.4	9:50:15		49.4	49.4
47.8	9:50:18		47.8	47.8
43.6	9:50:21		43.6	43.6
43.3	9:50:24		43.3	43.3
44.4	9:50:27		44.4	44.4
43.5	9:50:30		43.5	43.5
43.7	9:50:33		43.7	43.7
43.6	9:50:36		43.6	43.6
45.7	9:50:39		45.7	45.7
46.1	9:50:42		46.1	46.1
51	9:50:45		51	51
47.7	9:50:48		47.7	47.7
47.6	9:50:51		47.6	47.6
47.5	9:50:54		47.5	47.5
48.8	9:50:57		48.8	48.8
47.1	9:51:00		47.1	47.1
47.7	9:51:03		47.7	47.7
49.4	9:51:06		49.4	49.4
47.9	9:51:09		47.9	47.9
48.4	9:51:12		48.4	48.4
48	9:51:15		48	48
50	9:51:18		50	50
48.4	9:51:21		48.4	48.4
48.6	9:51:24		48.6	48.6
47	9:51:27		47	47
47.6	9:51:30		47.6	47.6
46.9	9:51:33		46.9	46.9
47.3	9:51:36		47.3	47.3
47.2	9:51:39		47.2	47.2
45.6	9:51:42		45.6	45.6
44.8	9:51:45		44.8	44.8
44.5	9:51:48		44.5	44.5
43.6	9:51:51		43.6	43.6
45	9:51:54		45	45
44.3	9:51:57		44.3	44.3
44.4	9:52:00		44.4	44.4
43.5	9:52:03		43.5	43.5
44	9:52:06		44	44
42.6	9:52:09		42.6	42.6
43.1	9:52:12		43.1	43.1
43.6	9:52:15		43.6	43.6
43.1	9:52:18		43.1	43.1
44.4	9:52:21		44.4	44.4
43.8	9:52:24		43.8	43.8
45.3	9:52:27		45.3	45.3
45.5	9:52:30		45.5	45.5
45.2	9:52:33		45.2	45.2
45.7	9:52:36		45.7	45.7
45.3	9:52:39		45.3	45.3
45.2	9:52:42		45.2	45.2
45.7	9:52:45		45.7	45.7
48.6	9:52:48		48.6	48.6
47.2	9:52:51		47.2	47.2
45.3	9:52:54		45.3	45.3
44.4	9:52:57		44.4	44.4
44	9:53:00		44	44
44.3	9:53:03		44.3	44.3
44.4	9:53:06		44.4	44.4
45	9:53:09		45	45
43.3	9:53:12		43.3	43.3
44.6	9:53:15		44.6	44.6
45.1	9:53:18		45.1	45.1
46.5	9:53:21		46.5	46.5
45.1	9:53:24		45.1	45.1
43.5	9:53:27		43.5	43.5
44	9:53:30		44	44
45.8	9:53:33		45.8	45.8
43.9	9:53:36		43.9	43.9
43.2	9:53:39		43.2	43.2
43	9:53:42		43	43
43.5	9:53:45		43.5	43.5
43	9:53:48		43	43
43.8	9:53:51		43.8	43.8

Approx 50 ft east of campspaces at San Simeon Creek Campground

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
44.5	9:53:54		44.5	44.5
44	9:53:57		44	44
44.5	9:54:00		44.5	44.5
42.1	9:54:03		42.1	42.1
43.6	9:54:06		43.6	43.6
45.8	9:54:09		45.8	45.8
42.9	9:54:12		42.9	42.9
43.6	9:54:15		43.6	43.6
45.5	9:54:18		45.5	45.5
45.9	9:54:21		45.9	45.9
44.4	9:54:24		44.4	44.4
45	9:54:27		45	45
44.4	9:54:30		44.4	44.4
43.6	9:54:33		43.6	43.6
43.1	9:54:36		43.1	43.1
43.7	9:54:39		43.7	43.7
44.3	9:54:42		44.3	44.3
44.7	9:54:45		44.7	44.7
50	9:54:48		50	50
44.5	9:54:51		44.5	44.5
45.4	9:54:54		45.4	45.4
47.9	9:54:57		47.9	47.9
50	9:55:00		50	50
48.6	9:55:03		48.6	48.6
46.6	9:55:06		46.6	46.6
47.7	9:55:09		47.7	47.7
45.2	9:55:12		45.2	45.2
48.6	9:55:15		48.6	48.6
47.2	9:55:18		47.2	47.2
46.5	9:55:21		46.5	46.5
45.2	9:55:24		45.2	45.2
45.8	9:55:27		45.8	45.8
45.7	9:55:30		45.7	45.7
45.7	9:55:33		45.7	45.7
47.6	9:55:36		47.6	47.6
48.8	9:55:39		48.8	48.8
47.9	9:55:42		47.9	47.9
46.5	9:55:45		46.5	46.5
45.8	9:55:48		45.8	45.8
49.8	9:55:51		49.8	49.8
46.8	9:55:54		46.8	46.8
46.5	9:55:57		46.5	46.5
45.8	9:56:00	51.3	45.8	45.8
46.9	9:56:03	51.3	46.9	46.9
46.6	9:56:06	51.3	46.6	46.6
47.4	9:56:09	51.3	47.4	47.4
50.8	9:56:12	51.3	50.8	50.8
49.3	9:56:15	51.3	49.3	49.3
50.4	9:56:18	51.3	50.4	50.4
49.5	9:56:21	51.3	49.5	49.5
52.2	9:56:24	51.3	52.2	52.2
50.3	9:56:27	51.3	50.3	50.3
49.7	9:56:30	51.3	49.7	49.7
51.8	9:56:33	51.3	51.8	51.8
52.9	9:56:36	51.3	52.9	52.9
51	9:56:39	51.3	51	51
51.1	9:56:42	51.3	51.1	51.1
53	9:56:45	51.3	53	53
55.6	9:56:48	51.3	55.6	55.6
57.4	9:56:51	51.3	57.4	57.4
61.2	9:56:54	51.3	61.2	61.2
58.1	9:56:57	51.3	58.1	58.1
56.6	9:57:00	51.3	56.6	56.6
55	9:57:03	51.3	55	55
48.9	9:57:06	51.3	48.9	48.9
48	9:57:09	51.3	48	48
45.5	9:57:12	51.3	45.5	45.5
45.4	9:57:15	51.3	45.4	45.4
45.3	9:57:18	51.3	45.3	45.3
44.4	9:57:21	51.3	44.4	44.4
43.8	9:57:24	51.3	43.8	43.8
43.5	9:57:27	51.3	43.5	43.5
43.6	9:57:30	51.3	43.6	43.6
44.3	9:57:33	51.3	44.3	44.3
45	9:57:36	51.3	45	45
44.5	9:57:39	51.3	44.5	44.5
44.2	9:57:42	51.3	44.2	44.2
45.8	9:57:45	51.3	45.8	45.8
51.4	9:57:48	51.3	51.4	51.4
44.8	9:57:51	51.3	44.8	44.8
50.3	9:57:54	51.2	50.3	50.3
45.9	9:57:57	51.2	45.9	45.9
44.8	9:58:00	51.2	44.8	44.8
48.6	9:58:03	51.2	48.6	48.6
45.8	9:58:06	51.2	45.8	45.8
47.6	9:58:09	51.2	47.6	47.6
46.2	9:58:12	51.2	46.2	46.2
49.1	9:58:15	51.2	49.1	49.1
46.9	9:58:18	51.2	46.9	46.9
45.4	9:58:21	51.2	45.4	45.4
46.6	9:58:24	51.2	46.6	46.6
47.7	9:58:27	51.2	47.7	47.7
49.1	9:58:30	51.2	49.1	49.1
46.8	9:58:33	51.2	46.8	46.8
45.7	9:58:36	51.2	45.7	45.7
47.8	9:58:39	51.2	47.8	47.8
46.7	9:58:42	51.2	46.7	46.7
45.5	9:58:45	51.2	45.5	45.5
45.1	9:58:48	51.2	45.1	45.1
46	9:58:51	51.2	46	46
46.5	9:58:54	51.2	46.5	46.5
45.8	9:58:57	51.2	45.8	45.8
45	9:59:00	51.2	45	45
45.6	9:59:03	51.2	45.6	45.6
45.4	9:59:06	51.2	45.4	45.4
45.3	9:59:09	51.2	45.3	45.3
44.4	9:59:12	51.2	44.4	44.4
44.1	9:59:15	51.2	44.1	44.1