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NOISE IMPACT ASSESSMENT

Patriot Environmental Services
815 Mission Rock Road
Santa Paula, California 93060

May 17, 2017

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EXECUTIVE SUMMARY

This Noise Impact Assessment (NIA) has been prepared for Patriot Environmental Services (Patriot) to quantify and determine the significance of noise impacts associated with the proposed modifications to the existing wastewater treatment facility located at 815 Mission Rock Road, Santa Paula, California (Facility). Patriot is in the process of acquiring the currently inactive Facility from Green Compass, who previously operated it under CUP 960-2 (LU06-0011). Patriot is requesting that the permit be reinstated and modified as necessary to allow for receiving, treatment, and disposal of nonhazardous wastewater (Project). This NIA follows methodologies outlined in the *Ventura County General Plan*, the Ventura County *Initial Study Assessment Guidelines*, and Ventura County's *Construction Noise Threshold Criteria and Control Plan*.

The Facility is an existing wastewater treatment facility permitted under CUP 960-2 (LU06-0011). Patriot is not proposing to change the waste streams that have been historically accepted at the Facility, which include industrial wastewater containing metals, oily wastewater, industrial wastewater containing organics, domestic wastes, and oilfield sludge wastes.

Patriot is requesting the following modifications to the existing permitted operations:

- Expand CUP Boundary to include three (3) adjacent parcels to the south;
- Update the list of processing equipment/tanks to match Patriot's new design;
- Construct a hazardous materials storage building;
- Revise the Facility operating hours and truck delivery schedules;
- Revise truck trips limits to simplify compliance; and
- Revise limits on employee numbers.

This NIA demonstrates that the only proposed modification with the potential to increase noise levels at nearby receptors is the addition of nighttime wastewater processing operations (haul truck trips will not occur during the nighttime). As such, this NIA focuses on the quantification and significance determination of noise impacts from the nighttime wastewater processing operations.

This NIA finds that:

- Project daytime and evening industrial noise impacts are expected to be reduced or remain unchanged as a result of the Project.
- Project nighttime industrial noise impacts are less than significant at the nearby sensitive receptors (dwellings, schools, hospitals, nursing homes, churches, and libraries) without mitigation.
- The Project will result in a Class III, less than significant, noise impact.

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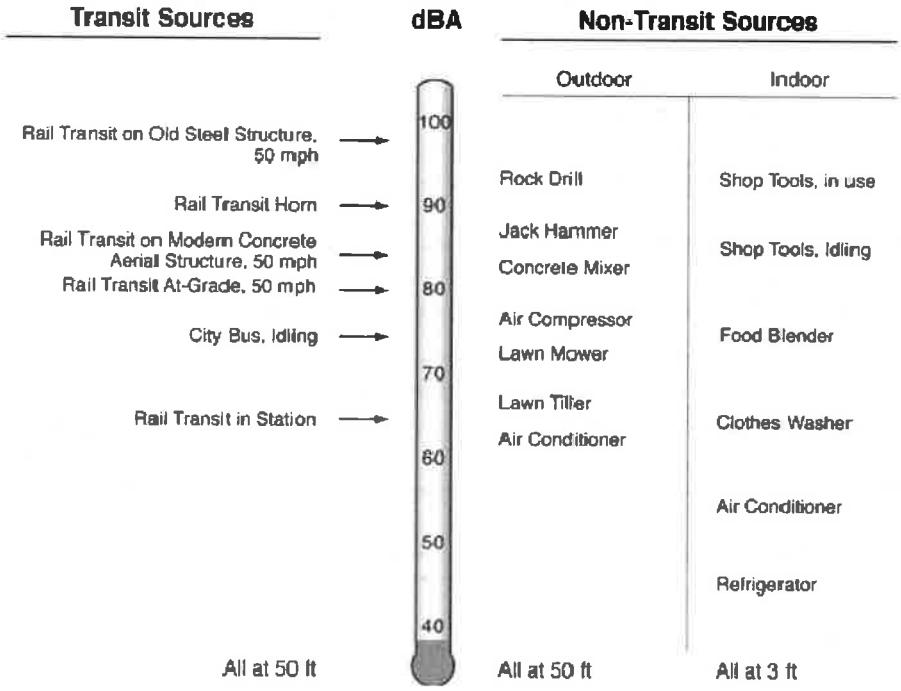
1.0 INTRODUCTION

This Noise Impact Assessment (NIA) has been prepared for Patriot Environmental Services (Patriot) to quantify and determine the significance of noise impacts associated with the proposed modifications to the existing wastewater treatment facility located at 815 Mission Rock Road, Santa Paula, California (Facility). Patriot is in the process of acquiring the currently inactive Facility from Green Compass, who previously operated it under CUP 960-2 (LU06-0011). Patriot is requesting that the permit be reinstated and modified as necessary to allow for receiving, treatment, and disposal of nonhazardous wastewater (Project). This NIA follows methodologies outlined in the *Ventura County General Plan*, the Ventura County *Initial Study Assessment Guidelines*, and Ventura County's *Construction Noise Threshold Criteria and Control Plan*.

Project nighttime noise impacts are quantified and compared to the appropriate significance thresholds in this NIA. To provide the reader a frame of reference by which to judge noise levels, the following illustration of various common noise levels is provided.

Common Noise Levels



Source: Federal Transit Administration's *Transit Noise Impact Assessment*

2.0 PROJECT DESCRPTION

The current Conditional Use Permit (CUP) 960-2 (LU06-0011) was approved by the Ventura County Planning Commission on July 29, 2010. The CUP was issued to Santa Clara Waste Water Company (SCWW), who was then acquired by Green Compass. Patriot Environmental Services is in the process of acquiring the Facility from SCWW/Green Compass. However, this acquisition is contingent upon the successful reinstatement of the CUP, issuance of a new sewer discharge permit through the City of Oxnard, and the reopening of the facility.

2.1 Facility Operations

Patriot is requesting that CUP 960-2 be reinstated to authorize the continued use of an existing wastewater treatment facility that accepts, treats, and disposes (offsite and via sewer discharge) various types of non-hazardous waste. Patriot is not proposing to change the waste streams that have been historically accepted, which include:

- *Industrial Wastewater Containing Metals (40 CFR Part 437 Subcategory A wastes):* This includes waste such as neutralized acid wastewater; boiler blowdown brine and metal finish wastewater.
- *Oily Wastewater (40 CFR Part 437 Subcategory B wastes):* This includes waste such oilfield wastewater, oil spills, oil-water emulsions, contaminated groundwater from petroleum sources, bilge water, and parts cleaning wastewater.
- *Industrial Wastewater Containing Organics (40 CFR Part 437 Subcategory C wastes):* This includes wastes such as solvent bearing wastes, contaminated groundwater clean-up from non-petroleum sources, landfill leachate, floral waste water and tank clean-out fluids from organic non-petroleum sources.
- *Domestic Wastes:* Septic tank waste; port-a-potty waste and secondary sewage.
- *Oilfield Sludge Wastes:* This category includes:
    - Oilfield Drilling Muds: This includes used drilling muds and cuttings generated during the drilling of oil and gas wells.
    - Oilfield Tank Bottoms: This includes solids removed from the bottom of storage tanks used in the production of crude oil.

Liquid waste streams will be treated using various processes located throughout the Facility (see Figure 3, Appendix A). This includes the equalization/adjustment tanks, clarifiers, and ozone/GEM treatment operations. A front-end loader will be utilized to process solid wastes within the mixing areas (see Figure 3, Appendix A). Here, solid wastes separated during processing within the adjacent mixing tanks and centrifuge dewatering units will be mixed with mulch and other absorbent products using a front-end loader. Once the desired moisture content and odor is achieved, solid wastes are transported to the local landfill for proper disposal.

2.2 Proposed Modifications

As part of the acquisition and CUP application process, Patriot is proposing to modify CUP 960-2 (LU06-0011). The following is a brief description of the proposed modifications that may impact the noise level at nearby receptors:

- ***Expand the Facility and CUP boundary to include three (3) adjacent parcels to the south:*** Patriot is proposing to expand operations to the three (3) adjoining parcels to the south, all of which are zoned M3 (see Figure 3, Appendix A). This expansion will add 1.67 acres to the total Facility area.
- ***Update the list of processing equipment and tanks per Patriot's new design:*** A comparison of proposed equipment to the equipment currently approved under CUP 960-2 is shown on the proposed site plan (see Figure 3, Appendix A). The proposed Facility process flow diagram is presented as Figure 4 (Appendix A). In total, Patriot is proposing to use fewer tanks and less processing equipment than was approved under the current CUP 960-2.
- ***Modify Facility operating hours and the truck delivery schedule:*** Waste treatment operating hours are proposed to occur for 24 hours per day, 365 days per year. Deliveries to and from the facility are proposed to occur Monday through Saturday during daylight hours. The following table summarizes the proposed revisions to the operating hours and delivery schedule:

ITEM	CURRENT CUP LIMITS	PROPOSED CUP LIMITS
Hours of Plant Operation	Mon. – Sat., 5:00AM – 11:00PM Closed on Sundays Any time during any day of the week to meet demands or emergencies.	24 hours/day, 365 days/year (for onsite treatment operations)
Hours of Deliveries to & from the Facility	Mon. – Fri., 7:00AM – 5:00PM Saturdays, 8:00AM – 3:00PM None on Sundays	Mon. – Fri., 7:00AM – 7:00PM Saturdays, 8:00AM – 3:00PM No trucking on Sunday Any time for emergencies[1]
1 – Any time and any day for emergencies, only with written authorization from the Planning Director or his/her designee based upon good cause being shown and substantially documented by the Operator.		

- ***Revise limits on employee numbers:*** Patriot is proposing to increase the number of employees allowed per day:

ITEM	CURRENT LIMITS	PROPOSED LIMITS
Employees	Maximum of 15 employees per day (30 one way trips)	Maximum of 15 employees per 8-hour shift = 40 employees (90 one-way trips). Expected shifts at 100% operation: 6:00 AM – 2:00 PM = 15 employees 2:00 PM – 10:00 PM = 15 employees 10:00 PM – 6:00 AM = 10 employees

For more detailed description of proposed Project operations, please see the Project Description.

2.3 Project Noise Sources

As this Facility is an existing permitted operation, noise impacts from the existing operations have already been considered and approved under CUP 960-2 (LU06-0011). For this reason, operations currently authorized under CUP 960-2 are considered a part of the Project baseline for this NIA.

The following proposed modifications have negligible noise implications and are **not** quantified by this NIA:

- **Facility Boundary Expansion**. The Facility operations will be expanded to include the three (3) parcels to the east. This will shift the noise generating activities to be slightly closer to some receptors and farther from other receptors. The rule of thumb for changes in noise levels due to changes of distance is that when the distance between a noise source and receptor is halved, the noise level experienced by the receptor increases by 3 dBA. Based on this rule of thumb, the small shift in the location of noise generating activities for this Project is expected to change noise levels at the receptors by less than 1 dBA. This modification is considered negligible and, therefore, is not analyzed further in this NIA.

- **New Facility Design**. Patriot is proposing to use fewer tanks and less processing equipment than was approved for the current CUP, which will reduce noise levels slightly. Haul trucks previously exited through the southern visitor entrance near Receptor 1, but will now exit though the gate in the eastern corner of the Facility. This will reduce noise from haul truck travel at Receptor 1 by a considerable margin while having negligible effects on the noise level at Receptors 2 and 3. Therefore, this modification will likely reduce noise impacts at the nearby receptors. This reduction is conservatively not included in the noise impact calculations for this NIA.

- **Truck Delivery Schedule**. Truck delivery hours on Monday through Friday will be extended for an additional two (2) hours from 5:00 PM to 7:00 PM. The number of haul truck deliveries will not change from what is currently permitted under CUP 960-2 (i.e., 500 trucks per week). This represents a negligible change in noise levels given that the additional hours are during the daytime period (i.e. 6:00 AM-7:00 PM per the Ventura County *General Plan Noise Element*) and the total number of trips will not increase. The increase in delivery hours without an increase in the number of deliveries will actually decrease the number of trips per hour and the peak hour noise level (L_{eq}-1hr), which is the basis of significance determination in this NIA. This reduction is conservatively not included in the noise impact calculations for this NIA.

The proposed modification that may increase noise impacts is the extension of Facility operating hours from 5:00 AM to 11:00 PM to 24 hours per day. Haul truck delivery will not occur during the nighttime hours. Nighttime operations are currently not allowed, except for in emergency situations. Therefore, this NIA focuses on noise impacts resulting from proposed nighttime onsite processing operations at the Facility.

Nighttime operations that may generate noise include the equipment used to process waste materials (pumps, centrifuges, etc.), a front-end loader, and employee arrival/parking. Patriot is also proposing to increase the onsite Facility employees from 15 to 40 total. The new employees will also work in three (3) separate, eight (8) hour shifts. The noise generated by employee vehicles parking onsite during each of the three (3) specific shifts is included in this NIA.

2.4 Project Construction

As it is an existing operation, much of the Facility is already built-out. Patriot will be removing some of the old tankage and processing equipment, and replacing it with new equipment to match the new waste processing design. No new construction requiring significant foundation work or other large-scale development is proposed as part of the Project. The reconfiguration of the Facility will occur intermittently over a 6 to 9 months period, would be temporary in nature, and is not expected to generate noise levels in excess of what the existing permitted Facility currently generates under CUP 960-2. Per the Ventura County *Construction Noise Threshold Criteria and Control Plan*, construction activities would be confined to daytime hours only (7:00 AM-7:00 PM Monday-Friday, 9:00 AM-7:00 PM Weekends/Holidays) as this is generally the least noise-sensitive time period. As such, proposed construction activities will not occur during evening or nighttime hours. Due to the factors described above, construction nighttime noise impacts were not assessed within this NIA.

3.0 EXISTING SETTING

The existing Facility is located at 815 Mission Rock Road in unincorporated Ventura County, south of the City of Santa Paula. California State Route (SR) 126 is located 0.3 miles to the north and the Santa Clara River basin runs east-west approximately 0.4 miles to the south (see Figure 1, Appendix A). This section discusses the existing regulatory and environmental settings applicable to the Project.

3.1 Regulatory Setting

This section discusses the Project's regulatory setting, specifically the Ventura County *General Plan Noise Element* (General Plan), Ventura County *Initial Study Assessment Guidelines* (CEQA Guidelines), and Ventura County's *Construction Noise Threshold Criteria and Control Plan* (Construction Guidelines).

3.1.1 Ventura County General Plan

The Ventura County *General Plan Noise Element* (General Plan), both in the *Goals, Policies & Programs* section and the *Hazards Appendix*, contains details regarding the recommended methodology for assessment of noise impacts. The General Plan presents standards for development of new noise-generating uses based on the noise sensitivity of a Project's surroundings. The General Plan includes specific significance thresholds for daytime (6:00 AM–7:00 PM), evening (7:00 PM–10:00 PM), and nighttime (10:00 PM–6:00 AM) hours. The thresholds are applicable only to sensitive receptors, which are defined as "dwellings, schools, hospitals, nursing homes, churches, and libraries" within the General Plan. If the ambient noise level at a receptor is lower than the designated standard, then the designated or "fixed" standard is used as the significance threshold for that receptor. However, if the ambient noise level at a receptor is greater than the designated standard, the "ambient noise level +3 decibels (dB)" is used as the significance threshold. A copy of the relevant text is included in Appendix B.

3.1.2 Ventura County Initial Study Assessment Guidelines

The Ventura County *Initial Study Assessment Guidelines* (CEQA Guidelines) presents methodologies for measuring noise levels and determining if noise impacts are significant. Significance thresholds depend on ambient noise levels in the area of the project during each of the defined time periods (i.e. daytime, evening, and nighttime). If the ambient levels are lower than the thresholds, the "fixed" thresholds are utilized. If ambient levels are greater than the fixed thresholds, the "ambient level +3 decibels (dB)" is utilized. The CEQA Guidelines mirror the standards established by the General Plan Noise Element described above.

3.1.3 Construction Noise Threshold Criteria and Control Plan

The Ventura County *Construction Noise Threshold Criteria and Control Plan* (Construction Guidelines) present methodologies for quantification of construction noise impacts, default noise level assumptions for common construction equipment, mitigated equipment noise levels, construction noise threshold criteria, and guidance on proper noise monitoring techniques. This NIA utilizes the methodologies presented in the Construction Guidelines to determine the expected Project noise impacts resulting from mobile equipment (i.e. front-end loader) operations. As discussed previously, per the Construction Guidelines any onsite construction activities would be confined to daytime hours only (7:00 AM-7:00 PM Monday-Friday, 9:00 AM-7:00 PM Weekends/Holidays) as this is generally the least noise-sensitive time period. A copy of the relevant text is included in Appendix B.

3.1.4 Definitions

The following terms are employed in this NIA:

- **Decibel (dB):** A unit division, on a logarithmic scale, whose base is the tenth root of ten, used to represent ratios of quantities proportional to power. In simple terms, if the power is multiplied by a factor of ten, then ten is added to the representation of the power on the decibel scale. If 0 dB represents 1 unit of power, 30 dB represents one thousand units, 60 dB represents one million units, etc.
- **A-Weighted Sound Level (dBA):** Sound pressure level measured using the A-weighting network, a filter which discriminates against low and very high frequencies in a manner similar to the human hearing mechanism at moderate sound levels. The A-weighted sound level is generally used when discussing environmental noise impacts.
- **Equivalent Continuous Noise Level (L_{eq}).** The average noise level over a designated time period. This is often referred to as "equivalent sound level", hence the "eq" subscript. The "equivalence" is to a sound of constant level that has the same total acoustic energy content.
- **Ambient (i.e. Background) Noise Level:** The current noise level in the vicinity of the proposed Project that results from the combination of all sources, near and far. Please note ambient noise measurements presented in this NIA include existing noise generated at the existing Facility (see Section 3.2.3).
- **Sound Pressure Level (SPL):** The logarithmic measure of the power of a sound relative to a reference value, measured in dB. The sound pressure level is always associated with a specific location or distance from a sound source.

3.2 Environmental Setting

This section describes the existing noise environment and noise sources in and around the Project site, the receptors of concern near the Facility, as well as the ambient noise levels in these areas. For this Project, the existing setting includes current Facility operations.

3.2.1 Regional Setting

The Facility is located in an industrial/semi-rural area of unincorporated Ventura County, California, south of the City of Santa Paula. It is surrounded by industrial and agricultural land uses. The Ventura County General Plan identifies potential noise generating land uses (i.e. industrial properties) within the immediate vicinity of the Project site to the east and south. Agricultural land uses not expected to generate significant noise levels are located immediately west and north of the Project site.

The surrounding noise environment is characterized primarily by industrial operations, agricultural operations, traffic on nearby roadways (SR 126, Mission Rock Road, Shell Road), and occasional aircraft over-flights. The closest airport/airstrip is the Santa Paula Airport located approximately 2.9 miles away to the northeast, and has no appreciable influence on noise levels near the Facility. Existing noise sources near the Facility Receptors 1, 2 and 3 (R1, R2 and R3) include equipment noise from the existing Patriot/SCWW Facility, industrial noise from nearby industrial operations along Mission Rock Road, nearby agricultural equipment noise, traffic noise from roadways (SR 126, Mission Rock Road, Shell Road), occasional aircraft over-flights, and urban activities from the nearby communities of Santa Paula and Ventura. See Figure 2 (Appendix A) which shows the locations of Facility and nearby receptors.

3.2.2 Receptors

In the General Plan and CEQA Guidelines, noise sensitive receptors are defined as "dwellings, schools, hospitals, nursing homes, churches and libraries." The receptors considered in this NIA are described below. When appropriate, receptors are grouped together and the noise impact at the worst-case portion of the group are determined. The closest receptor on each side of the Facility was included in this analysis. There are only three (3) receptors in the immediate vicinity of the Project. Other receptors in the surrounding area are further away and are not expected to experience Project noise. Also note that while receptors exist along the nearby roadways, this Project will not increase haul truck trips, so traffic noise at these receptors will not change as a result of the Project. See Figure 2 (Appendix A) for the locations of the relevant receptors.

- **Receptor 1 (R1)** is the two-story residential dwelling located approximately 40-feet southwest of the Project site at 907 Mission Rock Road. It is important to note that this residence has few windows facing the Facility, and the property is surrounded by an approximately 6-foot high wooden wall.
- **Receptor 2 (R2)** is the one-story residential dwelling located approximately 40-feet northeast of the Project site along Mission Rock Road.
- **Receptor 3 (R3)** is the one-story residential farm dwelling located approximately 190-feet northwest of the Project site.

3.2.3 Local Noise Environment

As described in Section 3.2.1, the existing ambient noise environment is characterized primarily by industrial operations (including existing operations at Patriot/SCWW Facility), agricultural operations, traffic on nearby roadways (SR 126, Mission Rock Road, Shell Road), and occasional aircraft over-flights.

To quantify the existing ambient noise environment experienced by nearby receptors, two (2) long-duration (24-hour) reference noise measurements were conducted at the Project site on April 12th through 14th, 2017 (Figure 2, Appendix A). The noise measurements were recorded using a Quest DL SoundPro, Type 2 noise meters (Serial # BGI04008). The noise meter was programmed in "slow" mode, in "A" weighted form, and one (1) minute logging every for the entire measurement duration. The microphone was equipped with a windscreen during the measurement, and the noise meter was calibrated using a Quest QC-10 calibrator (Serial # QIJ090052) prior to, and following each, measurement. The noise meter and calibrator were professionally calibrated by Engineering Dynamics, Inc. within one (1) year of use.

The locations of the noise measurements and the corresponding receptors are shown on Figure 2 (Appendix A). Table 1 presents the existing ambient noise levels at the receptors. Ambient noise measurement logs are included in Appendix C.

Table 1 Ambient Noise in Facility Vicinity

Receptor	Receptor Type	Daytime L_{eq} (dBA)	Evening L_{eq} (dBA)	Nighttime L_{eq} (dBA)
Receptor 1 (R1)	Residential	54.7	53.8	52.2
Receptor 2 (R2)	Residential	58.2	54.7	52.2
Receptor 3 (R3)	Residential	54.7	53.8	52.2

Ventura County General Plan: Daytime = 6:00 AM-7:00 PM, Evening = 7:00 PM-10:00 PM, Nighttime = 10:00 PM-6:00 AM.
Notes:
– Daytime and evening ambient noise levels shown for informational purposes, as only nighttime noise impacts will be assessed within this NIA (see Section 2.3).
– Ambient noise levels recorded near R1 are also used to represent ambient noise levels at R3.

4.0 SIGNIFICANCE THRESHOLDS

As discussed in Section 3.1, the CEQA Guidelines recommend that the noise standards from the General Plan be used as the significance threshold for noise impact assessments. The General Plan noise standards that are applicable to this Project are presented below:

> *(4) Noise generators, proposed to be located near any noise sensitive use, shall incorporate noise control measures so that ongoing outdoor noise levels received by the noise sensitive receptor, measured at the exterior wall of the building, does not exceed any of the following standards:*
>
> *a. L_{eq}1H of 55 dB(A) or ambient noise level plus 3dB(A), whichever is greater, during any hour from 6:00 a.m. to 7:00 p.m.*
>
> *b. L_{eq}1H of 50 dB(A) or ambient noise level plus 3dB(A), whichever is greater, during any hour from 7:00 p.m. to 10:00 p.m.*
>
> *c. L_{eq}1H of 45 dB(A) or ambient noise level plus 3dB(A), whichever is greater, during any hour from 10:00 p.m. to 6:00 a.m.*

A threshold of 3 dB is commonly used to define "substantial increase." Under ambient conditions, people generally do not perceive that a noise level has changed until there is a 3 dB difference. This concept is used in Part (4) of the standard to dictate that, for receptors that are currently exposed to noise levels in excess of the designated standard, the Project should be considered significant if it causes a +3 dBA increase in noise levels. As such, if ambient noise levels at nearby receptors exceed the "fixed" thresholds from Part (4), then the measured ambient noise level "+3 dBA" will be used as the threshold to determine the significance of Project noise impacts.

Table 2 presents the significance thresholds applicable to this Project. As discussed in Section 2.3, only nighttime (10:00 PM-6:00 AM) thresholds are included because the Project is not expected to create any new daytime or evening noise impacts. Per Ventura County guidance, for situations where the measured ambient noise level in Table 1 exceeds the thresholds presented in the General Plan, then the "ambient noise level +3 dBA" becomes the noise standard. Please see Appendix B for the ambient noise measurement logs and Ventura County significance threshold determination.

Table 2 Project Specific Significance Thresholds (dBA – L_{eq} 1H)

Receptor	Nighttime (10:00 PM – 6:00 AM)		
	Ambient Noise Level	General Plan Noise Threshold	Project Specific Noise Threshold
R1	52.2	45.0	55.2
R2	52.2	45.0	55.2
R3	52.2	45.0	55.2

Note: Per Ventura County guidance, when the measured ambient noise levels exceed the designated threshold, then the threshold becomes the "ambient noise level +3 decibels (dB)."

5.0 PROJECT OPERATIONAL IMPACTS

This section discusses the inputs, methodologies, and the results of the noise models used to predict Project noise impacts to nearby receptors. Specifically, noise impacts resulting from nighttime facility operations (mobile equipment, liquid and solid waste processing, etc.) are assessed.

5.1 Project Noise Source Characterization

In order to characterize the Project industrial noise sources, this NIA uses a combination of noise monitoring and documented Ventura County reference data to determine the noise level generated by proposed nighttime industrial operations. On April 24th, 2017, noise monitoring was conducted at Patriot's Anaheim facility. The Anaheim facility is similar to this Project because it too receives and treats non-hazardous wastewater using many of the same processes (mixing tanks, pumps, etc.) that are proposed for use at the Facility. Noise measurements of a centrifuge dewatering unit operating at a similar wastewater processing facility in Ventura County are also utilized. For mobile equipment (i.e. front-end loader) noise levels, documented reference noise source information from the Ventura County Construction Guidelines was utilized.

Table 3 below summarizes the noise source data utilized to model noise levels generated by the Project. Additional information regarding the sources, including the noise measurement logs, are included in Appendix C.

Table 3 Industrial Noise Source Data

Noise Source	Description	Source Type	L_{eq} @ 50-feet (dBA)	Basis
Front-End Loader	Mobile equipment operating in the solid-waste mixing areas	Area	79.0	Ventura County Construction Guidelines
General Site Noise Sources	Pumps utilized to transfer liquids between tanks and other non-specific industrial sources located throughout the Facility	Area	55.5	Patriot Anaheim Facility Noise Monitoring
Mixing Tanks	Various mixing tanks located throughout the Facility	Point	54.9	Patriot Anaheim Facility Noise Monitoring
Centrifuges Dewatering Units	Various centrifuges located throughout the Facility	Point	74.3	Measurement at Similar Facility
Employee Parking	Employee's/employee vehicles make noise during arrival and departure.	Area	Predicted By Model	ISO 9613-2

Note: Transfer pumps were modeled as area sources within the tank farm areas, as their exact location will not be decided until the onsite tank farms are constructed and the site is operational.

5.2 Project Noise Impact Calculation Methodology

Using the source data shown in Table 3, SoundPLAN Essential 3.0 (SoundPLAN) computer noise model software was utilized to determine the expected noise impacts to nearby receptors from Facility nighttime operations. Source-receptor geometry, noise source data, terrain information (e.g. elevations, surface conditions), and obstructions (e.g. onsite buildings, large tank farms, and walls) were modeled. SoundPLAN models industrial and parking lot noise impacts at receptors based on the International Organization for Standardization's (ISO) "ISO 9613-2" standard for calculating outdoor sound propagation. Figure 5 (Appendix A) shows the modeled source-receptor geometry and nighttime noise impacts as modeled in SoundPLAN. The nighttime industrial model output files are included in Appendix E.

The following assumptions were utilized in the industrial source model:

- The most dominant noise sources (i.e. centrifuges, mixing tanks) are modeled as point sources in the appropriate locations. Front-end loader operations are modeled as an area sources within the mixing areas. General site noise sources (transfer pumps, other non-specific industrial sources) were also modeled as area sources because this measurement includes a variety of low intensity sources that are expected to occur throughout the onsite tank farms, but the precise location of specific sources is not yet known. The industrial model source-geometry figure (Figure 5) in Appendix A displays the locations of these modeled noise sources.
- The two onsite (2) parking areas are modeled as parking lots to account for noise generated by the ingress and egress of employee vehicles. Employees vehicles will arrive and depart the site during each of the three (3) shift changes.
- Because the area is relatively flat, terrain elevations are not included with the exception of the mixing area/pit. The mixing area slopes downward from east to west to a maximum depth of approximately 5-feet. This is where the front-end loader will operate during nighttime processing operations. This mixing pit provides some amount of noise attenuation by partially blocking line-of-sight between the equipment and nearby receptors, primarily Receptor 1.
- All noise sources (loader, pumps, mixing tanks, centrifuges) are conservatively assumed to all operate simultaneously during the nighttime peak hour.
- Reference noise spectrums from the SoundPLAN Essential 3.0 database were utilized to more accurately account for the frequency distribution of each industrial source. The diesel engine wheeled loader reference spectrum was utilized for the front-end loader and the average industrial spectrum (this spectrum is the average of about 150 industrial sources, such as compressors, fans, and coolers) was utilized for the other modeled sources.
- The Facilities buildings (office, lab, employee changing room, and hazardous materials storage building) were included in the model as permanent noise obstructions (i.e. buildings). The five (5) large tank farms located onsite throughout the Facility were also included as "industrial area" volume attenuation areas approximately 13 feet (4 meters) tall.
- The proposed landscape areas were also included as "foliage" ground absorption attenuation areas along the appropriate Facility boundaries, which provides a very small amount of added attenuation as noise propagates through them. Paved areas were also included as hard surfaces, which slightly increase noise levels due to increased noise reflection.
- The approximately 6-foot high wooden fence surrounding Receptor 1 was included as an existing wall. Conservatively, a reflection loss factor of 1.0 was included for this wall which is appropriate for barriers not designed for noise protection purposes (1.0 is the minimum reflection loss factor). As described previously, this two-story residence has few windows and no doors in areas facing the Facility.

5.3 Project Noise Impact Results

Table 4 presents the results of the industrial source nighttime noise prediction model for the receptors near the Facility (R1, R2 and R3). The modeled nighttime noise impact at each receptor is compared to the applicable Project significance thresholds presented in Table 2. Modeling files are included in Appendix E and industrial model results are displayed on Figure 5 (Appendix A). Note that all impacts are below the applicable nighttime significance threshold.

Table 4 Industrial Source Nighttime Noise Impacts (dBA – L_{eq} 1H)

Receptor	Ambient Noise	Project Noise	Total Noise	Threshold	Significant?
Receptor 1	52.2	36.0	52.3	55.2	No
Receptor 2	52.2	36.6	52.3	55.2	No
Receptor 3	52.2	29.1	52.2	55.2	No

6.0 MITIGATIONS

As presented in Section 5.3, all Project impacts are below the applicable significance thresholds. Therefore, no mitigation is required.

7.0 CONCLUSIONS

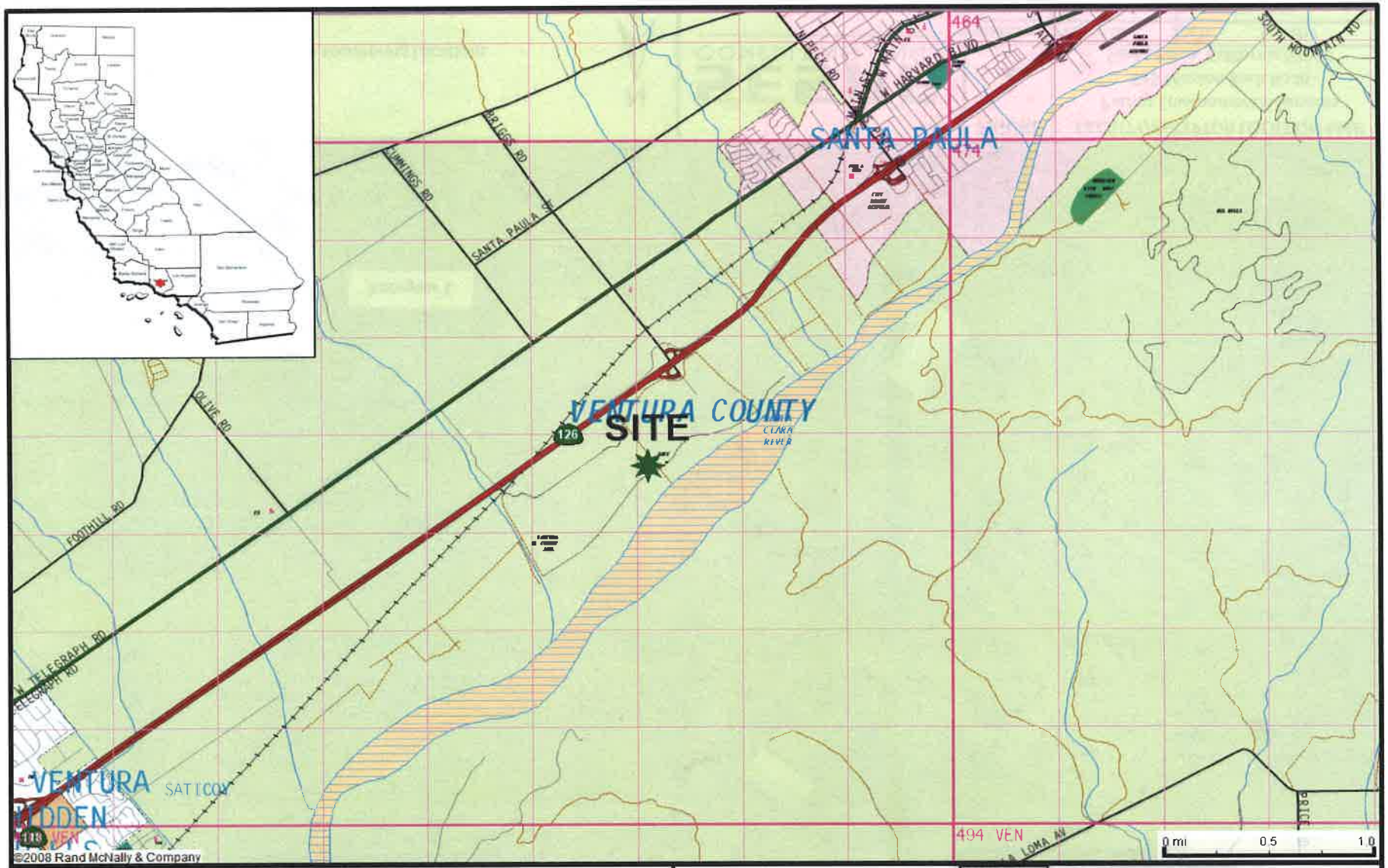
As shown in Table 4, Project noise impacts are less than the applicable thresholds. Table 4 also shows that the existing ambient noise level dominates the noise environment in this area (ambient levels are 7.2 dBA over the designated Ventura County nighttime significance threshold of 45 dBA). However, it is important to note that the Project's nighttime noise impacts are below the unadjusted significance threshold (i.e. 45 dBA).

This NIA finds that:

- Project daytime and evening industrial noise impacts are expected to be reduced or remain unchanged as a result of the Project.
- Project nighttime industrial noise impacts are less than significant at the nearby sensitive receptors (dwellings, schools, hospitals, nursing homes, churches, and libraries) without mitigation.
- The Project will result in a Class III, less than significant, noise impact.

APPENDIX A

FIGURES



Source: 2008 Rand McNally & Company

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SESPE CONSULTING, INC.

FIGURE 1	REGIONAL LOCATION MAP Patriot Environmental Services 815 Mission Rock Road Santa Paula, California 93060		
PROJECT #:	PA09.16.01	DATE:	3/23/17
SCALE:	as shown	DRAWN BY:	GPS

Source: Google Earth 2016

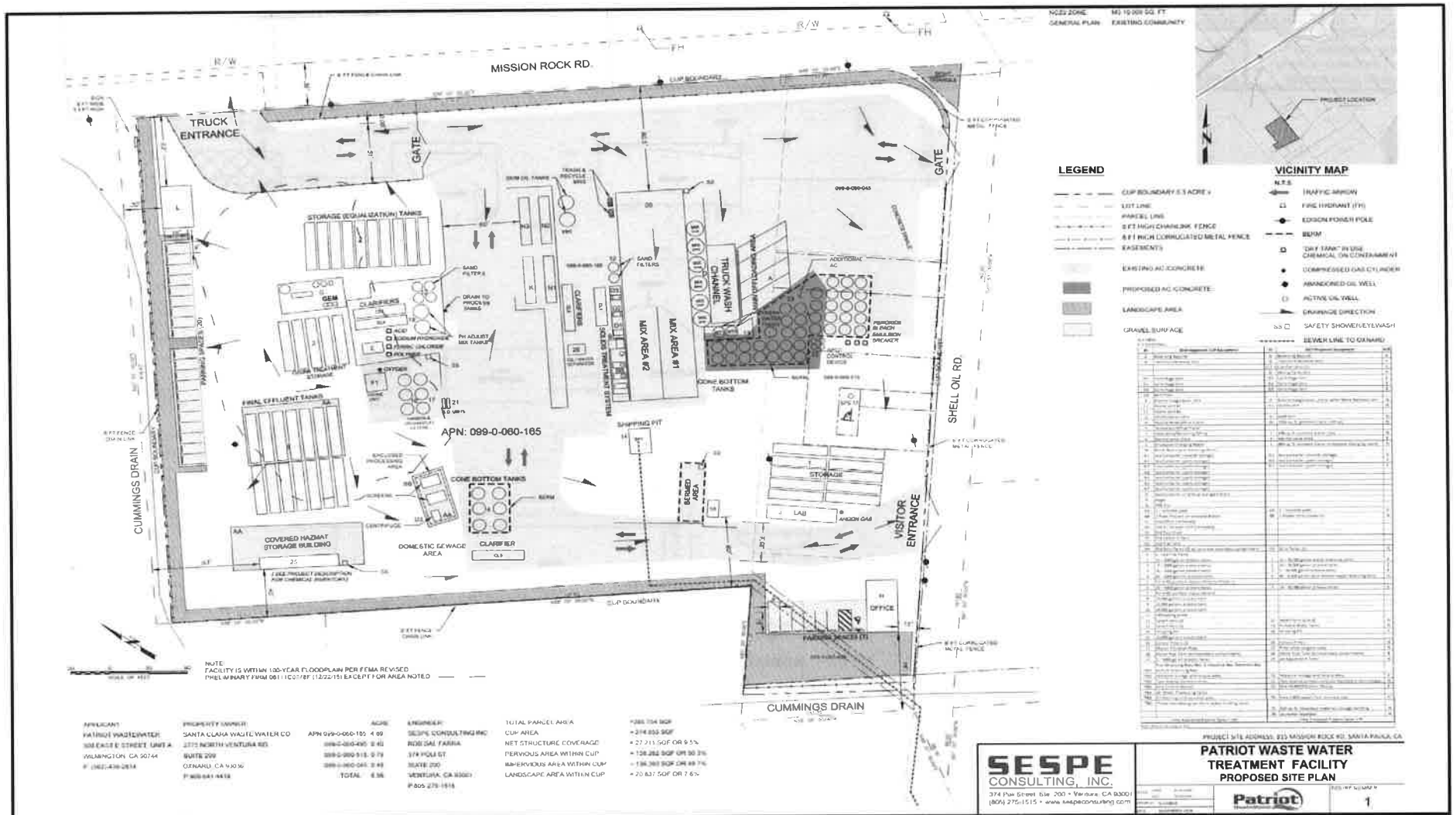
Facility Boundary

- Long-Duration (24-Hours) Noise Monitoring Locations

N

SESPE CONSULTING, INC.

FIGURE 2	FACILITY/RECEPTOR LOCATION MAP Patriot Environmental Services 815 Mission Rock Road Santa Paula, California 93060		
PROJECT #:	PA09.16.01	DATE:	4/11/17
SCALE:	as shown	DRAWN BY:	GPS



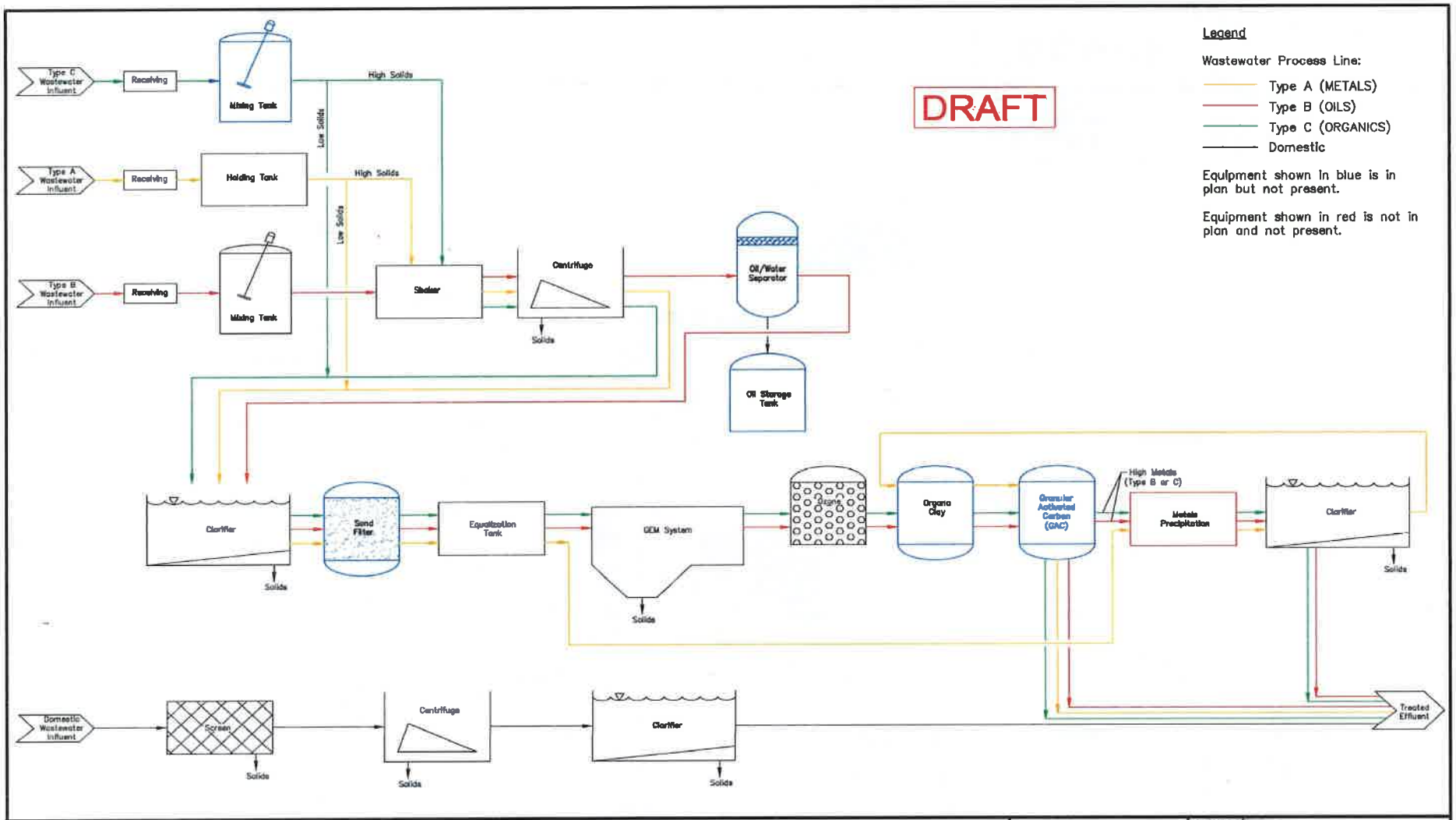
APPLICANT	PROPERTY OWNER	ACRE	ENGINEER		
PATRIOT WASTEWATER	SANTA CLARA WASTE WATER CO	APN 099-0-060-165 4.09	SESPE CONSULTING INC	TOTAL PARCEL AREA	285,704 SQF
500 EAST E STREET, UNIT A	2775 NORTH VENTURA RD.	099-0-060-495 0.40	ROBI DAL FARRA	CUP AREA	= 274,853 SQF
WILMINGTON, CA 90744	SUITE 200	099-0-060-515 0.79	374 POLI ST.	NET STRUCTURE COVERAGE	= 27,211 SQF OR 9.5%
P: (562) 436-2814	OXNARD, CA 93036	099-0-060-045 0.48	SUITE 200	PERVIOUS AREA WITHIN CUP	= 128,282 SQF OR 50.3%
	P 805 641 4418	TOTAL 5.36	VENTURA, CA 93001	IMPERVIOUS AREA WITHIN CUP	= 126,360 SQF OR 49.7%
			P 805 275-1515	LANDSCAPE AREA WITHIN CUP	= 20,837 SQF OR 7.6%

Source: Sespe Consulting, Inc./Patriot Environmental Services

N

SESPE CONSULTING, INC.

FIGURE	FACILITY SITE PLAN Patriot Environmental Services 815 Mission Rock Road Santa Paula, California 93060		
3	PROJECT #:	PA09.16.01	DATE: 4/11/17
	SCALE:	as shown	DRAWN BY: GPS



Source: Sespe Consulting, Inc./Patriot Environmental Services

N

SESPE CONSULTING, INC.

FIGURE	PROCESS FLOW DIAGRAM Patriot Environmental Services 815 Mission Rock Road Santa Paula, California 93060		
4			
PROJECT #:	PA09 16 01	DATE:	4/11/17
SCALE:	N/A	DRAWN BY:	GPS

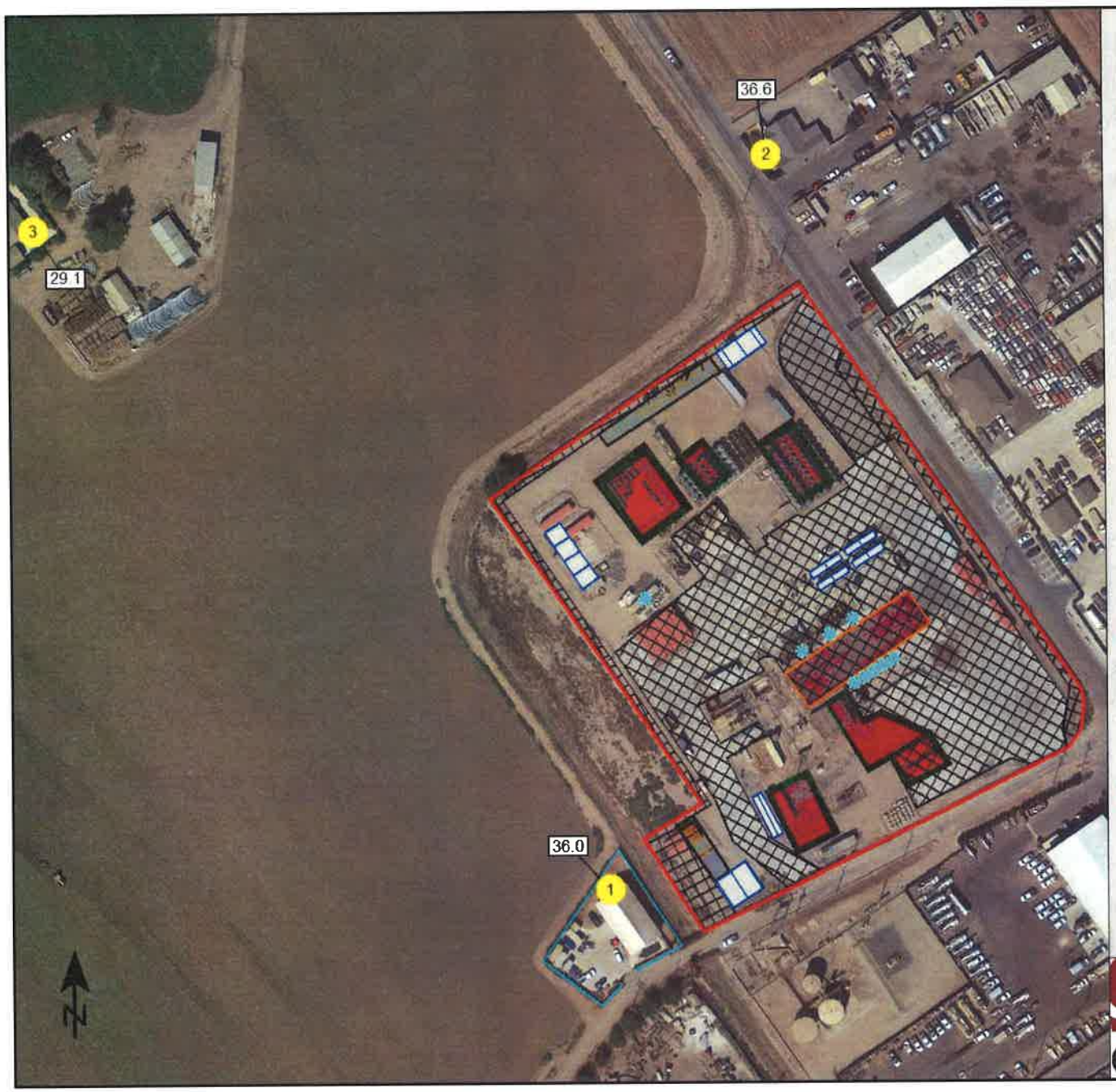


FIGURE 5
Industrial Model Results Nighttime (dBA - Leq 1H)

Time Slice Analyzed:
Nighttime = 10:00 PM-6:00 AM

Receptors:
#1 = Receptor 1 (R1)
#2 = Receptor 2 (R2)
#3 = Receptor 3 (R3)

Facility Nighttime Noise Sources:
-Front-End Loader
-General Site Noise Sources (pumps, etc.)
-Mixing Tanks
-Dewatering Centrifuges

Signs and symbols

- Facility Boundary
- Below Grade Mixing Area/Pit
- Landscaping/Concrete
- Tank Farms
- 6-Foot Fence
- Buildings/Structures
- Receptor
- Point Sources (mixing tanks, centrifuges)
- Area Sources (loader, general site sources)
- Parking Lots

1 : 2035

0 10 20 40 60 80 m

SESPE CONSULTING, INC.

APPENDIX B

REGULATORY REFERENCE

4. County Health and Safety/Loss Prevention (General Service Agency) is responsible for monitoring *hazardous materials* in the work place for all County employees through the Hazardous Materials Abatement Program.

5. CEO-Risk Management, Health, Safety & Loss Prevention (HSLP) will continue administration of the Asbestos Management Program which provides a full range of asbestos abatement surveillance guidance and regulatory compliance advisory services applicable to all County owned facilities and operations.

6. The County Agricultural Commissioner's Office is responsible for enforcing all pesticide regulations, issuing licenses to applicators, distributors and dealers who handle pesticides and conducting inspections of all application and distribution facilities.

7. The County Environmental Health Division will continue to work with the appropriate State agencies to assess the public health and environmental impacts of identified waste disposal sites in the County, including abandoned and illegal sites.

8. The County Sheriff's Department Office of Emergency Services, in cooperation with the County Fire Protection District will annually review and revise the County *Multihazard Functional Plan*'s Major Hazardous Materials Incident Contingency section.

9. The County Public Works Agency Environmental & Energy Resources Department will maintain a CHWMP that includes goals, policies, programs and an implementation schedule for management of household *hazardous waste* for action by the County and participating cities.

10. The County Sheriff's Department Office of Emergency Services, will coordinate with local, state and federal agencies regarding off shore oil incidents and onshore oil pipeline incidents and annually update the County *Multihazard Functional Plan*'s Off Shore Oil Incidents Contingency section.

11. The Environmental Health Division is responsible to implement the requirements of Division 20, Chapter 6.5, Section 25189.5 (Health and Safety Code), involving any illegal discharge or threatened illegal discharge of a *hazardous waste* within the County.

12. The Environmental & Energy Resources Department and the Environmental Health Division will continue to coordinate with the Ventura Regional Sanitation District and local cities on the Household Hazardous Waste Program, which involves a) the collection of unused household products and pesticides that are considered hazardous, and b) a community education program on the safe use and disposal of household chemical products.

2.16 Noise

For purposes of this Plan, "noise" can be defined as any sound having an intensity (in terms of volume, pitch or duration) at the point of human perception that has the potential to stress or damage the organs of human hearing or to cause unwanted or unhealthy physiological effects, or is otherwise considered unwanted or annoying by the listener. The effects of noise accumulate over time, so it is necessary to deal not only with the intensity of sound but also the duration of human exposure to the sound.

Noise can be annoying and physically harmful to human beings and to animals. Human exposure to intense noise can result in irreversible hearing damage, and has been linked to other physiological effects including headaches, nausea, irritability, constriction of peripheral blood vessels, changes in heart and respiratory rates and in glandular and gastrointestinal activity and increased muscular tension. The effects of noise exposure in residential environments can include coughs and hoarseness caused by the strain of shouting above the noise. Noise can also affect accuracy at work, and has been found to be linked to job-related accidents and absenteeism.

High levels of noise can have effects on animals that are similar to those on humans, in terms of tissue damage, changes in blood pressure and chemistry, and hormonal changes. Hatching failures (in birds) and other changes in reproductive processes have also been reported. Additional effects on wildlife can include panicking, disruption of breeding and nesting behavior, birth defects, changes in migratory patterns, and even changes in the size of bodily organs. Noise can also mask animals' auditory signals and interfere with some animals' communication of necessary information. Adverse effects of noise on

farm animals can include changes in milk production, incubation behavior, mating behavior, and animal size and weight.

Noise can also have adverse effects on materials and structures, particularly as a result of sonic booms and related aircraft noises. These aircraft generated noises can excite buildings to vibrate and can break windows and crack plaster.

While any number of individual measures have been proposed, mitigation measures for identifiable noise problems fall into three categories:

- Reduction of the noise at its source.
- Modification of the path of the noise.
- Reduction of noise at the receiver with various types of insulation.

Noise is directly associated with human activity, and is primarily a function of traffic, machinery and airports. On a generalized basis, motor vehicles, as a group, are the most pervasive contributors to urban noise, while aircraft, railroads and certain high intensity industrial noise generators may produce the most aggravated community annoyance reactions. Due to wide distribution and the types of machinery used, industrial sources are the second greatest noise generator. Airports are regarded as the third greatest noise generator. Other significant noise sources are powered gardening equipment, amplified music, power tools and air conditioners.

Land uses considered *noise sensitive uses* include residential, educational, and health facilities, research institutions, certain recreational, and entertainment facilities (typically, indoor theaters and parks for passive activities) and churches. Uses considered less sensitive to noise include commercial and industrial facilities and certain noise-generating recreational facilities such as playgrounds and gymnasiums.

The goal, policies and programs that apply to noise are as follows:

2.16.1 Goal

To protect the health, safety and general welfare of County residents by elimination or avoidance of adverse noise impacts on existing and future *noise sensitive uses.*

2.16.2 Policies

1. All *discretionary development* shall be reviewed for noise compatibility with surrounding uses. Noise compatibility shall be determined from a consistent set of criteria based on the standards listed below. An acoustical analysis by a qualified acoustical engineer shall be required of *discretionary developments* involving noise exposure or noise generation in excess of the established standards. The analysis shall provide documentation of existing and projected noise levels at on-site and off-site receptors, and shall recommend noise control measures for mitigating adverse impacts.

   (1) *Noise sensitive uses* proposed to be located near highways, truck routes, heavy industrial activities and other relatively continuous noise sources shall incorporate noise control measures so that:

   a. Indoor noise levels in habitable rooms do not exceed CNEL 45.

   b. Outdoor noise levels do not exceed CNEL 60 or $L_{eq}1H$ of 65 dB(A) during any hour.

   (2) *Noise sensitive uses* proposed to be located near railroads shall incorporate noise control measures so that:

   a. Guidelines (1)a. and (1)b. above are adhered to.

   b. Outdoor noise levels do not exceed L_{10} of 60 dB(A).

   (3) *Noise sensitive uses* proposed to be located near airports:

   a. Shall be prohibited if they are in a CNEL 65 or greater, noise contour.

   b. Shall be permitted in the CNEL 60 to CNEL 65 noise contour area only if means will be taken to ensure interior noise levels of CNEL 45 or less.

(4) Noise generators, proposed to be located near any *noise sensitive use*, shall incorporate noise control measures so that ongoing outdoor noise levels received by the noise sensitive receptor, measured at the exterior wall of the building, does not exceed any of the following standards:

a. $L_{eq}1H$ of 55dB(A) or ambient noise level plus 3dB(A), whichever is greater, during any hour from 6:00 a.m. to 7:00 p.m.

b. $L_{eq}1H$ of 50dB(A) or ambient noise level plus 3dB(A), whichever is greater, during any hour from 7:00 p.m. to 10:00 p.m.

c. $L_{eq}1H$ of 45dB(A) or ambient noise level plus 3dB(A), whichever is greater, during any hour from 10:00 p.m. to 6:00 a.m.

Section 2.16.2(4) is not applicable to increased traffic noise along any of the roads identified within the 2020 Regional Roadway Network (Figure 4.2.3) Public Facilities Appendix of the Ventura County General Plan (see 2.16.2-1(1)). In addition, State and Federal highways, all railroad line operations, aircraft in flight, and public utility facilities are noise generators having Federal and State regulations that preempt local regulations.

(5) Construction noise shall be evaluated and, if necessary, mitigated in accordance with the County Construction Noise Threshold Criteria and Control Plan.

2. Discretionary development which would be impacted by noise, or generate project related noise which cannot be reduced to meet the standards prescribed in Policy 2.16.2-1., shall be prohibited. This policy does not apply to noise generated during the construction phase of a project.

3. The priorities for noise control shall be as follows:

(1) Reduction of noise emissions at the source.

(2) Attenuation of sound transmission along its path, using barriers, landforms modification, dense plantings, and the like.

(3) Rejection of noise at the reception point via noise control building construction, hearing protection or other means.

2.16.3 Programs

1. The Oxnard and Camarillo Airport Master Plans recommend the preparation of noise abatement plans, the formation of local noise abatement committees with input from local citizens, and distribution of a periodic newsletter documenting noise abatement policies to aircraft operators and other interested parties. The airport plans also recommend periodic sampling measurements and updating of the CNEL noise model parameters, and discussion of alternative approaches for noise abatement.

   In addition, the Oxnard plan recommends publication of a map of recommended noise abatement flight tracks and operating procedures, for distribution to area airports and other interested parties.

2. The Public Works Agency will continue to work with CalTrans and City transportation offices to optimize signal timings and arterial stop sign location so that stop-go truck traffic is minimized in areas surrounded by noise-sensitive uses.

3. The noise *goals, policies* and *programs,* as well as the noise appendix, will be reviewed by the Planning Division as needed.

4. The Public Works Agency will prepare a proposal for consideration by the Board of Supervisors to study the feasibility of constructing noise barriers in areas containing existing *noise sensitive uses* which are or will be significantly impacted by traffic noise.

5. The Building and Safety Division will continue to enforce Appendix Chapter 35 of the Uniform Building Code (UBC) and UBC Appendix 3501 of the Ventura County Building Code for the purposes of protecting persons within new hotels, motels, apartment houses, and dwelling units from effects of excessive noise including external community noise.

6. The Building and Safety Division and Public Works Agency shall prepare a budgetary proposal for Board consideration to amend the County Building Code, including Excavation and Grading Standards, to impose the noise criteria and mitigation measures contained within the County Construction Noise Threshold Criteria and Control Plan.

2.17 Civil Disturbance

Civil unrest, terrorism, and national security emergency hazards are forms of civil disturbance, which are of major public concern and necessitate a planned and coordinated response by a number of public agencies.

Civil Unrest

Civil unrest is the spontaneous disruption of normal, orderly conduct and activities in urban areas, or outbreak of rioting or violence that is of a large-scale nature. Civil unrest can be spurred by specific events, such as large sporting events or criminal trials, or can be the result of long-term disfavor with authority. Civil unrest is usually noted by the fact that normal on-duty police and safety forces cannot adequately deal with the situation until additional resources can be acquired. This is the time period when civil unrest can grow to large proportions.

Threat to law enforcement and safety personnel can be severe and bold in nature. Securing of *essential facilities* and services is necessary. Looting and fires can take place as a result of perceived or actual non-intervention by authorities.

The various agencies that are vested with providing emergency response services within their respective jurisdictions are very adept at dealing with ordinary and routine emergency incidents. There are, however, incidents and circumstances that by their very nature exceed the ability and capacity of a single jurisdiction to cope with the situation. When this occurs, a request for additional resources is initiated and is accommodated through mutual aid agreements. Incidents, whether they are natural (e.g., flooding, earthquakes), or civil disturbances that occur simultaneously in a widespread manner affecting multiple jurisdictions, require a greater degree of coordination and organization. The Ventura County Law Enforcement Mutual Aid Manual addresses the mechanics of mutual aid activation and level of response. It also speaks to the establishment of a unified command structure organized to deal with incidents that affect the entire operational area whether in a direct or indirect fashion.

Active participation in the unified command and incident command system is essential if a coordinated effort is to be initiated and maintained.

The entire County, consisting of residential, industrial and commercial properties, is vulnerable to the effects of civil unrest.

Terrorism

Terrorism is defined as the use of fear for intimidation, usually for political goals. Terrorism is a crime where the threat of violence is often as effective as the commission of the violent act itself. Terrorism affects us through fear, physical injuries, economic losses, psychological trauma, and erosion of faith in government. Terrorism is not an ideology. Terrorism is a strategy used by individuals or groups to achieve their goals.

In the wake of the 1993 World Trade Center bombing in New York and the Oklahoma City bombing in 1995, terrorism became a serious concern for emergency management, emergency responders, and the public at large. However, the 2001 attack on the World Trade Center and the Pentagon has now elevated our concern about terrorism to a level we never imagined, and requires us to be prepared to respond to situations that go beyond the terrorist incident scenarios that we are familiar with.

Terrorists espouse a wide range of causes. They can be for or against almost any issue, religious belief, political position, or group of people of one national origin or another. Because of the tremendous variety of causes supported by terrorists and the wide variety of potential targets, there is no place that is truly safe from terrorism. Throughout California there is nearly limitless number of potential targets, depending on the perspective of the terrorist. Some of these targets include: medical facilities/clinics, religious facilities, government offices, public places (such as shopping centers), schools, power plants, refineries, utility infrastructures, water storage facilities, dams, private homes of prominent individuals, financial institutions and other businesses.

operating under load or at near full power. In addition to the minute-by-minute variations in noise producing activities, construction projects are carried out in several different phases.

Figure 2. Typical Construction Equipment Noise

Equipment Type Noise Source	Dominant Noise Components[1]	50-Foot Noise Level (L_{eq}) dBA[2, 3]	Noise Level Range (L_p) dBA[2, 3]	50-Foot Maximum Noise Level (L_{max}) dBA[2 3]
Air Compressor (portable)[4]	E, C, H, I	81	76-89	89
Air Compressor (stationary)	E, C, H, I	82	76-89	89
Auger, Drilled Shaft Rig	E, C, F, I, W	82	76-89	89
Backhoe	E, C, F, I, H, W	85	81-90	90
Bar Bender	E, P, W	82	78-88	85
Chain Saw	E, W, C	85	72-88	88
Compactor	E, C, F, I, W	82	81-85	85
Concrete Batch Plant	W, E, C	92	80-96	96
Concrete Mixer (small trailer)	W, E, C	67	65-68	68
Concrete Mixer Truck	E, C, F, W, T	85	69-89	89
Concrete Pump Trailer	E, C, H	82	74-84	84
Concrete Vibrator	W, E, C	76	68-81	81
Crane, Derrick	E, C, F, I, T	88	79-90	90
Crane, Mobile	E, C, F, I, T	83	80-85	85
Dozer (Bulldozer)	E, C, F, I, H	80	77-90	90
Excavator	E, C, F, I, H, W	87	83-92	92
Forklift	E, C, I, W	84	81-86	86
Front End Loader	E, C, F, I, H	79	77-90	90
Generator	E, C	78	71-87	87
Gradall	E, C, F, I, W	82	78-85	85
Grader	E, C, F, I, W	85	79-89	89
Grinder	W	80	75-82	82
Hydraulic Hammer	W, E, C, H	102	99-105	105
Impact Wrench	W, P	85	75-85	85
Jack Hammer	P, W, E, C	82	75-88	88
Paver	E, D, F, I	89	82-92	92
Pile Driver (Impact/ Sonic/ Hydraulic)	W, P, E	101 / 96 / 65	94-107 / 90-99 / 65	107 / 99 / 65
Pavement Breaker	W, E, P	82	75-85	85
Pneumatic Tool	P, W, E, C	85	78-88	88
Pump	E, C	76	68-80	80
Rock Drill	W, E, P	98	83-99	99
Roller	E, C, F, I, W	74	70-83	83
Sand Blaster	W, E, C, H, I	85	80-87	87
Saw, Electric	W	78	59-80	80
Scraper	E, C, F, I, W	88	82-91	91
Shovel	E, C, F, I, W	82	77-90	90
Tamper	W, E, C	86	85-88	88
Tractor	E, C, F, I, W	82	77-90	90
Trencher		83	81-85	85
Trucks (Under Load)	E, C, F, I, T	88	81-95	95
Water Truck	W, E, C, F, I, T	90	89-94	94
Other Equipment with Diesel	E, C, F, I	82	75-88	88

Note 1. Ranked noisy components. C=Casing, E=Exhaust, F=Fan, H=Hydraulics, I=Intake air, P=Pneumatic exhaust, T=Transmission, W=Work tool.
Note 2. Table based on EPA studies and measured data from various construction equipment and manufacturer's data.
Note 3. Equipment noise levels are at 50 feet from individual construction equipment and with no other noise contributors.
Note 4. Portable air compressor rated at 75 cfm or greater and operating at greater than 50 psi.

Appendix B
Estimating Construction Project Noise

For project planning purposes, where the potential for noise impacts exist, it is possible to estimate the potential construction noise impacts in advance by developing an inventory of noisy construction equipment and processes for the various stages and phases of the project. Such screening methods assist construction project managers and estimators in planning for the potential need for noise mitigation.

Construction Equipment Inventory

An inventory of the number and type of noisy construction equipment to be used during planned daytime, evening and nighttime construction activities, their associated noise emissions, and other relevant information can be included on Figure B-2, Construction Phase Receptor Noise Estimation Worksheet. Using this form, construction noise levels for the various phases of construction can be estimated using the phase's equipment inventory, the typical 50-foot equipment noise levels (listed in Figure A-1 of Appendix A) along with typical by-phase construction equipment use factors, provided in Figures A-1 through A-5 of Appendix A.

Construction Noise Estimates

Calculations can be performed to estimate the daytime, evening and nighttime maximum (L_{max}) and one-hour energy average (L_{eq}) noise levels expected at the noise-sensitive location, based on the typical maximum equipment noise levels listed in Figure A-1 in Appendix A. The calculations are to be made for the various activities and locations where project construction noise will result in the greatest noise impact (*noise levels at other sensitive locations can also be calculated, if necessary*). The calculations and results should be entered on a form similar to Figure B-2, the Construction Phase Receptor Noise Estimation Worksheet. The result of a sample construction noise calculation is provided in Figure B-1.

The following calculation procedures may be used to estimate the construction noise by phase.

1. Calculate each phase's L_{max} according to the following method:

   L_{max} [equipment type] = ML – 20 $\log_{10}$ (D/50)

   where:

   ML = Typical single equipment maximum noise level (L_{max}) at 50 feet, in dBA. (*This may be replaced by a measured, under-load, maximum noise level*).

   D = Distance from the equipment to the noise-sensitive location, in feet.

   Repeat the above calculation for each item of potentially noisy equipment. Then, select the noisiest individual pieces of equipment that operate in their loudest mode at the very same time and combine them logarithmically to estimate the overall maximum construction noise level (L_{max}) at the noise-sensitive location(s) for each project phase, as follows:

   L_{max} [overall project at receptor] = $10 \log_{10}(\Sigma 10^{(L_{max}\text{[equipment type]} / 10)})$

Construction Noise Threshold Criteria

2. Calculate each phase's one-hour L_{eq} according to the method recommended by the U.S. Federal Highway Administration ("Highway Construction Noise: Measurement, prediction and mitigation," U.S. Department of Transportation, Federal Highway Administration Special Report, March 1977), as follows:

   First, the construction phase's one-hour L_{eq} is to be calculated at the sensitive receptor location for each item of potentially noisy equipment using the following equation:

   $$L_{eq}(h)\ [\text{equipment type}] = ML - 20 \log_{10} (D/50) + 10 \log_{10} (N \times HP/100)$$

   where:

   ML = Typical single equipment maximum noise level (L_{max}) at 50 feet, in dBA. (*This may be replaced by a measured, under-load, maximum noise level*).

   D = Shortest distance (feet) from the equipment type to the nearest noise-sensitive location, or if a more sensitive receptor is further away, to the noise-sensitive receptor with the greatest impact. If the distance is measured in meters, use the ratio D/15 instead of D/50.

   N = Maximum number of the same equipment type operating hourly on the project during the construction phase.

   HP = "Hourly percentage," expressed as the greatest nominal percent of time that the equipment is operated under load at the project site. This factor is based on EPA values or is estimated based on past experience with similar projects. Thus, the effective usage factor is (EUF) = N x HP/100.

   Repeat the above calculations for each item of potentially noisy equipment. Then, the individual contribution of every item of equipment are to be combined logarithmically to obtain the overall construction hourly L_{eq} at the noise-sensitive location(s) for each project phase, as follows:

   $$L_{eq}(h)\ [\text{overall project at receptor}] = 10 \log_{10} (\Sigma 10^{(\text{one-hour Leq [equipment type]} / 10)})$$

3. The calculated L_{max} and $L_{eq}(h)$ levels can then be compared with the construction noise threshold criteria. Where it is estimated that the criteria would be exceeded, noise mitigation planning can be undertaken.

APPENDIX C

AMBIENT NOISE LEVEL DETERMINATION

Ambient Noise Summary

Receptor 1 (R1)

Serial Number	BGI040008	
Start Time	10:05:49	12-Apr-2017
Run Length	24:00:00	5529600

UNIT REV R12N

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	120
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description		Units	Value
Pre-Cal	Level	dB	113.9
	Date		10:02:56 12-Apr-2017
Post-Cal	Level	dB	113.9
	Date		10:06:16 13-Apr-2017
ReCert	Date		Unavailable

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	90	85
Upper Limit Level	dB	140	140
Projected Time	Hrs	24	24
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1 Broadband	Meter 2 Broadband
Lavg	dB	54	54
Lmax	dB	84.8	84.8
Lmin	dB	48.9	48.9
Lpk	dB	100	100
TWA	dB	58.8	58.7
PTWA	dB	58.8	58.7
DOSE	%	0.08	0.24
PDOSE	%	0.08	0.24
SEL	dB	103.4	103.3
EXP	p2s	9	9

Ambient Noise Summary

Receptor 1 (R1)

Measurement	Units	Value
LDN	dB	59.6
CNEL	dB	59.3
TAKTMAX (5sec)	dB	N/A
LC-A	dB	N/A

Exceedence	Units	Value
L01	dB	59.2
L10	dB	55.3
L50	dB	53
L90	dB	51.4

		Meter 1			Meter 2		
		Count	Percent	Time	Count	Percent	Time
Overload	(OL)	0	0	00:00:00	0	0	00:00:00
Under-Range	(UR)	0	0	00:00:00	0	0	00:00:00
Upper Limit	(UL)	0	0	00:00:00	0	0	00:00:00

Exceedence Table

	0	1	2	3	4	5	6	7	8	9
0	84.8	59.2	57.7	57	56.6	56.3	56	55.8	55.6	55.4
10	55.3	55.1	55	54.9	54.7	54.6	54.5	54.4	54.4	54.3
20	54.2	54.2	54.1	54	54	53.9	53.9	53.8	53.8	53.8
30	53.7	53.7	53.6	53.6	53.6	53.5	53.5	53.4	53.4	53.4
40	53.3	53.3	53.3	53.2	53.2	53.2	53.1	53.1	53.1	53
50	53	53	52.9	52.9	52.9	52.8	52.8	52.7	52.7	52.7
60	52.6	52.6	52.6	52.5	52.5	52.5	52.4	52.4	52.4	52.3
70	52.3	52.2	52.2	52.2	52.1	52.1	52	52	52	51.9
80	51.9	51.8	51.8	51.7	51.7	51.7	51.6	51.6	51.5	51.5
90	51.4	51.4	51.3	51.3	51.2	51.2	51	51	50.9	50.7

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
Study 1	0:01:00	0:01:00		53.9	92.6	60	50.8
	0:02:00	0:02:00		52.9	82.4	56.6	51.2
	0:03:00	0:03:00		51.3	72.1	55.1	49.7
	0:04:00	0:04:00		52.4	72.9	54.1	50.8
	0:05:00	0:05:00		54.1	74.5	57.8	51.5
	0:06:00	0:06:00		56.9	73.7	61.3	54.3
	0:07:00	0:07:00		55.2	71.6	59.2	51.9
	0:08:00	0:08:00		55.1	71.3	58.1	51.4
	0:09:00	0:09:00		55.2	74.4	58.6	51.7
	0:10:00	0:10:00		54.1	68.1	55.8	51.8
	0:11:00	0:11:00		54.4	70.2	57	51.4
	0:12:00	0:12:00		55	80.6	63.8	51.6
	0:13:00	0:13:00		52.5	73	55.1	51.2
	0:14:00	0:14:00		52.1	68.9	54	50.3
	0:15:00	0:15:00		52.2	70.2	55.3	51
	0:16:00	0:16:00		53.1	69.9	55.4	51.3
	0:17:00	0:17:00		53.8	70.9	55.6	52.6
	0:18:00	0:18:00		54.8	71.4	56.7	51.9
	0:19:00	0:19:00		56.2	72.4	59.3	54.6
	0:20:00	0:20:00		54.7	73.4	56.7	53.2
	0:21:00	0:21:00		55.8	73	59.8	53.2
	0:22:00	0:22:00		54.5	72.6	58.8	52.1
	0:23:00	0:23:00		52.3	72.3	54.5	50.7
	0:24:00	0:24:00		55	71.6	58	52.1
	0:25:00	0:25:00		52.3	69.4	55.4	50.8
	0:26:00	0:26:00		51.9	68	53.9	49.9
	0:27:00	0:27:00		52.1	68.6	54.4	50.9
	0:28:00	0:28:00		53.3	70	56.4	51.4
	0:29:00	0:29:00		53.2	76.6	61.1	51.1
	0:30:00	0:30:00		56.8	80.5	65.6	50.8
	0:31:00	0:31:00		55.9	76.3	60.7	51.5
	0:32:00	0:32:00		54.2	76.1	58.6	51.5
	0:33:00	0:33:00		62.2	84.3	71.4	51.5
	0:34:00	0:34:00		52.2	69.4	54.2	50.6
	0:35:00	0:35:00		52.1	77.9	55.5	50.8
	0:36:00	0:36:00		56.4	76.9	62.8	52
	0:37:00	0:37:00		61.3	82.9	70.5	50.8
	0:38:00	0:38:00		52.9	70.1	55.7	51.6
	0:39:00	0:39:00		53.2	69.2	56.3	50.9
	0:40:00	0:40:00		54.5	75.9	61.1	50.6
	0:41:00	0:41:00		52.4	69.8	55.8	50.6
	0:42:00	0:42:00		52.5	69	56.7	51.2
	0:43:00	0:43:00		51.9	66.7	53.7	50.4
	0:44:00	0:44:00		52.1	66.6	53.1	50.8
	0:45:00	0:45:00		51.9	65.5	52.8	50.4
	0:46:00	0:46:00		52.1	65.5	53	51.1
	0:47:00	0:47:00		51.7	67.9	55.2	50.4
	0:48:00	0:48:00		57.7	83.2	63.8	50.2
	0:49:00	0:49:00		51.9	66.3	53.4	50.8
	0:50:00	0:50:00		51.8	66.3	53.9	50.6
	0:51:00	0:51:00		52.3	71.7	55.7	50.7
	0:52:00	0:52:00		52.4	67.7	53.5	50.9
	0:53:00	0:53:00		52.7	65.8	53.9	51.9
	0:54:00	0:54:00		52.3	75.9	57.2	50.6
	0:55:00	0:55:00		54.3	73.7	58.6	51.7
	0:56:00	0:56:00		55.2	75.1	60.9	52
	0:57:00	0:57:00		52.8	66.4	53.8	51.1
	0:58:00	0:58:00		52.4	67	53.6	50.9
	0:59:00	0:59:00		53	67	54.6	51.1
	1:00:00	1:00:00		52.3	76	55.8	51
	1:01:00	1:01:00		52	69.5	54.3	50.5
	1:02:00	1:02:00		51.8	65.4	53.3	50.6
	1:03:00	1:03:00		52.3	67.7	53.7	50.8
	1:04:00	1:04:00		51.7	67	53.1	50.9
	1:05:00	1:05:00		53.7	69.1	55.9	51.9

Start: 10:05:49 AM 4/12/2017
Stop: 10:05:49 AM 4/13/2017

24-Hour Measurement Summary

	Day	Evening	Night
Peak Hour:	58.3	54.3	53.4
Average Hour:	54.7	53.8	52.2

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	1:06:00	1:06:00		52.9	77.7	55.9	51.5
	1:07:00	1:07:00		52.2	66.8	53.7	50.8
	1:08:00	1:08:00		53.1	69.8	55.9	51.4
	1:09:00	1:09:00		53.1	67.1	54.8	51.8
	1:10:00	1:10:00		56.2	76	62.7	50.2
	1:11:00	1:11:00		51.9	71.3	53.9	50.3
	1:12:00	1:12:00		52.9	71.9	55.6	51.7
	1:13:00	1:13:00		56.4	76.3	60.4	52.6
	1:14:00	1:14:00		54.1	73.9	60.1	51.7
	1:15:00	1:15:00		55.9	75	60.3	51.6
	1:16:00	1:16:00		52.6	79.6	58.7	50.7
	1:17:00	1:17:00		52.1	67.8	55.2	50.5
	1:18:00	1:18:00		53.4	69.7	56.6	51.2
	1:19:00	1:19:00		55.9	84.9	63.9	50.6
	1:20:00	1:20:00		52.2	66.3	54	50.8
	1:21:00	1:21:00		56.3	75.7	61.6	51
	1:22:00	1:22:00		52.5	71.5	54.6	50.7
	1:23:00	1:23:00		56.3	74.4	60.4	51.9
	1:24:00	1:24:00		52.4	69.7	54.5	50.4
	1:25:00	1:25:00		52.4	67.1	53.7	51.3
	1:26:00	1:26:00		57.7	83.5	65.8	52.6
	1:27:00	1:27:00		53.1	68.6	55.3	51.4
	1:28:00	1:28:00		55	76.1	62.2	52.4
	1:29:00	1:29:00		59.7	83.6	67.6	52.7
	1:30:00	1:30:00		55.9	75.8	62.7	50.5
	1:31:00	1:31:00		60.9	82.4	65.6	52.3
	1:32:00	1:32:00		53	68.7	57	50.8
	1:33:00	1:33:00		58.8	82.3	64.6	50.9
	1:34:00	1:34:00		53.2	70.3	58.3	51.1
	1:35:00	1:35:00		54.3	70.8	58.2	50.7
	1:36:00	1:36:00		52.6	69.5	56.6	48.9
	1:37:00	1:37:00		51.6	72.3	55.4	49.2
	1:38:00	1:38:00		56	75	62.5	52.6
	1:39:00	1:39:00		53.7	71.8	57.2	52.1
	1:40:00	1:40:00		52.5	67.7	54.3	50.7
	1:41:00	1:41:00		53	70.5	56	51.2
	1:42:00	1:42:00		51.9	65.9	53.3	50.7
	1:43:00	1:43:00		52.9	70.4	56.1	51.6
	1:44:00	1:44:00		56.7	77	60.4	53.6
	1:45:00	1:45:00		56.2	76.4	59.1	54.2
	1:46:00	1:46:00		54.9	70.3	57.6	52.8
	1:47:00	1:47:00		53.8	78	59	52.2
	1:48:00	1:48:00		53.6	76.4	58.6	51.3
	1:49:00	1:49:00		55.4	83	64.4	52.4
	1:50:00	1:50:00		55.1	70.5	58.9	52.6
	1:51:00	1:51:00		56.1	71.8	57.9	54.9
	1:52:00	1:52:00		55.4	73.4	57.6	54.2
	1:53:00	1:53:00		55.6	73.9	58.3	52.5
	1:54:00	1:54:00		56.5	73.5	60.7	51.3
	1:55:00	1:55:00		52.1	69.5	55	50.7
	1:56:00	1:56:00		52.5	68.9	55.4	50.9
	1:57:00	1:57:00		51.9	67.4	54.2	50.6
	1:58:00	1:58:00		52.5	71.1	54.4	51.3
	1:59:00	1:59:00		52.6	71.6	55.1	50.1
	2:00:00	2:00:00		53.2	71.3	56.6	51.2
	2:01:00	2:01:00		52.7	69.1	54.4	51
	2:02:00	2:02:00		52.4	68	53.7	50.8
	2:03:00	2:03:00		52.4	72.7	53.9	50.8
	2:04:00	2:04:00		51.3	68.5	54	49.6
	2:05:00	2:05:00		54.5	70.7	58	50.7
	2:06:00	2:06:00		55.9	71.9	57.3	54.7
	2:07:00	2:07:00		55.6	70.2	57.2	52
	2:08:00	2:08:00		52.4	66.3	53.8	50.7
	2:09:00	2:09:00		52.5	70.3	54.5	50.4
	2:10:00	2:10:00		53.1	68.3	56.1	51.1
	2:11:00	2:11:00		53.2	72.5	56	51.4

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	2:12:00	2:12:00		52.5	75.8	56.5	50.8
	2:13:00	2:13:00		51.9	68.3	53.1	50.7
	2:14:00	2:14:00		52.9	71.1	55	51.3
	2:15:00	2:15:00		53.3	72.3	58	51.1
	2:16:00	2:16:00		53.2	70.6	54.5	51.8
	2:17:00	2:17:00		54.1	73.5	57.7	52.3
	2:18:00	2:18:00		54.2	81.1	60.6	51
	2:19:00	2:19:00		54.6	76.6	56.7	52.7
	2:20:00	2:20:00		53.9	70.1	55.4	51.8
	2:21:00	2:21:00		54.6	71	58.1	53.1
	2:22:00	2:22:00		53.5	73.2	56.7	51.6
	2:23:00	2:23:00		54.1	71.6	56.9	52.3
	2:24:00	2:24:00		53	68	54.3	51.6
	2:25:00	2:25:00		53.1	74.5	58	51.3
	2:26:00	2:26:00		56.8	77.4	62.4	53.2
	2:27:00	2:27:00		53.9	72.5	56.8	52.3
	2:28:00	2:28:00		54.4	73.4	56	53.4
	2:29:00	2:29:00		54.8	74.6	58.4	51.8
	2:30:00	2:30:00		53.5	74.1	55.7	50.8
	2:31:00	2:31:00		54.5	74.6	57.9	51
	2:32:00	2:32:00		54.7	74.1	57	52.4
	2:33:00	2:33:00		54.2	70	56.3	52.2
	2:34:00	2:34:00		56.2	70.1	57.3	52.8
	2:35:00	2:35:00		54.1	70.1	57.3	51
	2:36:00	2:36:00		52.7	67.5	54.4	50.5
	2:37:00	2:37:00		52.5	71.6	56.2	51.1
	2:38:00	2:38:00		52.8	66.9	53.7	51.3
	2:39:00	2:39:00		52.1	66.8	53.4	50.5
	2:40:00	2:40:00		55.5	77.4	63.6	51.1
	2:41:00	2:41:00		56	83.5	62.4	50.8
	2:42:00	2:42:00		54.7	75.7	57.4	52.1
	2:43:00	2:43:00		53.1	71.6	54.8	51.3
	2:44:00	2:44:00		52.1	69.2	54.6	50.2
	2:45:00	2:45:00		52.3	74.5	56.1	50.7
	2:46:00	2:46:00		53.2	70.2	55.8	51.7
	2:47:00	2:47:00		53.8	75.7	58.8	51.2
	2:48:00	2:48:00		55.8	70.3	57	54.5
	2:49:00	2:49:00		56.4	70.8	57.8	54.9
	2:50:00	2:50:00		54.4	72.6	56.5	52.2
	2:51:00	2:51:00		56.9	73.6	62.1	54.6
	2:52:00	2:52:00		54.4	73.6	58.9	51.7
	2:53:00	2:53:00		53.7	74.2	59	51.5
	2:54:00	2:54:00		57.2	74.6	64.4	51.6
	2:55:00	2:55:00		57.5	75.1	65.2	53.4
	2:56:00	2:56:00		56.4	71.8	60	54
	2:57:00	2:57:00		56.2	76.4	58.8	54.8
	2:58:00	2:58:00		53.6	70.5	56.8	51.5
	2:59:00	2:59:00		53.2	69.9	55.2	51.7
	3:00:00	3:00:00		60.2	84.4	67.7	51.9
	3:01:00	3:01:00		52.8	73	56.5	51.5
	3:02:00	3:02:00		53.5	73.2	56.5	51.8
	3:03:00	3:03:00		55.2	71.9	58.7	52.3
	3:04:00	3:04:00		55.3	71.8	57.4	52.3
	3:05:00	3:05:00		58.6	86.6	65	55.9
	3:06:00	3:06:00		54.4	74	57.8	53
	3:07:00	3:07:00		53.1	80.4	58.5	51.3
	3:08:00	3:08:00		53.2	70.5	55.1	51.6
	3:09:00	3:09:00		53.3	68	54.6	52.2
	3:10:00	3:10:00		54.5	71.9	57.7	52.5
	3:11:00	3:11:00		54	68.7	54.9	52.6
	3:12:00	3:12:00		53.4	72.4	54.4	52.2
	3:13:00	3:13:00		53.6	71.4	57.1	51
	3:14:00	3:14:00		54.1	77.6	57.9	52.3
	3:15:00	3:15:00		55.2	74.5	60.3	52.4
	3:16:00	3:16:00		54.9	70.6	57.3	53.2
	3:17:00	3:17:00		55.9	70.9	58.3	53.9

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	3:18:00	3:18:00		55.6	71.9	57	54
	3:19:00	3:19:00		55.6	71.4	57.1	53.8
	3:20:00	3:20:00		57.7	77.2	61.2	52.9
	3:21:00	3:21:00		53.3	70.3	56.9	51.3
	3:22:00	3:22:00		53.7	70.3	56.2	51.9
	3:23:00	3:23:00		52.8	69.4	54.5	51.3
	3:24:00	3:24:00		53.5	68.4	54.9	52.3
	3:25:00	3:25:00		53.5	77.7	58.8	51.1
	3:26:00	3:26:00		53.3	73.3	58.9	51.1
	3:27:00	3:27:00		54.4	73.3	59.7	52.1
	3:28:00	3:28:00		54.5	76.6	60.3	52.9
	3:29:00	3:29:00		53.1	70.1	55	51.7
	3:30:00	3:30:00		53.9	70.8	55.8	52.3
	3:31:00	3:31:00		54.6	75.2	57	52.1
	3:32:00	3:32:00		54.4	83.8	60.2	52.1
	3:33:00	3:33:00		53.9	72.3	56.2	52.7
	3:34:00	3:34:00		52.9	70	54.3	51.3
	3:35:00	3:35:00		53	69.5	54.5	51.4
	3:36:00	3:36:00		53.5	67.4	54.4	51.7
	3:37:00	3:37:00		53.6	69.2	55.7	51.4
	3:38:00	3:38:00		56.6	75.2	59.6	54.5
	3:39:00	3:39:00		56.9	82	61.3	53.8
	3:40:00	3:40:00		56.3	79.1	61.6	51.7
	3:41:00	3:41:00		53.6	70.7	55.3	51.7
	3:42:00	3:42:00		54	68.6	56.3	52.7
	3:43:00	3:43:00		55.4	71.8	59.4	51.8
	3:44:00	3:44:00		53.9	72.9	57.7	52.3
	3:45:00	3:45:00		54.1	70.7	55.4	52.7
	3:46:00	3:46:00		54.1	71.4	58	51.3
	3:47:00	3:47:00		52.6	67	53.8	50.9
	3:48:00	3:48:00		53	73.1	55.4	51.5
	3:49:00	3:49:00		54.4	78.2	59.6	52.3
	3:50:00	3:50:00		54.5	75.7	57	51.9
	3:51:00	3:51:00		54.8	83	60.9	53
	3:52:00	3:52:00		55.2	74.1	60.5	52.6
	3:53:00	3:53:00		54.1	73.4	55.7	52.7
	3:54:00	3:54:00		54	72.2	55.8	52
	3:55:00	3:55:00		52.9	72.5	55.2	51.4
	3:56:00	3:56:00		53.9	68.7	55.2	52.6
	3:57:00	3:57:00		54	74.8	57	52.2
	3:58:00	3:58:00		54.2	69.9	57.7	51.5
	3:59:00	3:59:00		53.8	73.9	57	52
	4:00:00	4:00:00		54.3	69.8	57.5	52.7
	4:01:00	4:01:00		53.9	75.1	58.2	51.9
	4:02:00	4:02:00		56.2	72.5	58.7	54.1
	4:03:00	4:03:00		55.9	71.6	57.4	53.1
	4:04:00	4:04:00		53.8	78.8	59.4	52
	4:05:00	4:05:00		53.9	74.5	56.3	52.3
	4:06:00	4:06:00		54.1	72.9	56.7	52.1
	4:07:00	4:07:00		55.4	73.6	59.2	52.7
	4:08:00	4:08:00		56.1	71.1	57.4	54.5
	4:09:00	4:09:00		55.5	70.2	57.6	53.1
	4:10:00	4:10:00		54.7	71.3	56.4	52.2
	4:11:00	4:11:00		54.6	73.9	57.8	52.6
	4:12:00	4:12:00		57.3	79.1	61.6	52.5
	4:13:00	4:13:00		57.1	77.7	59.6	53.1
	4:14:00	4:14:00		58.1	74.1	60.6	56.2
	4:15:00	4:15:00		55.5	72.8	58.7	51.5
	4:16:00	4:16:00		54.3	70.3	56.1	52.8
	4:17:00	4:17:00		55.1	69.6	56.9	53.3
	4:18:00	4:18:00		55.5	74	59.7	53
	4:19:00	4:19:00		58.3	79.8	65.1	52.4
	4:20:00	4:20:00		57.3	73.7	60.5	54.5
	4:21:00	4:21:00		55.8	75	61.1	52.7
	4:22:00	4:22:00		54.3	71.3	56.9	51.8
	4:23:00	4:23:00		56.3	76.3	59.4	52.8

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	4:24:00	4:24:00		53.6	78.6	58.7	52.1
	4:25:00	4:25:00		53.9	71.5	54.9	52.9
	4:26:00	4:26:00		54.2	70.7	56.9	52.5
	4:27:00	4:27:00		54.7	70	56.2	53
	4:28:00	4:28:00		54.1	80.8	62.2	51.3
	4:29:00	4:29:00		53.5	69.4	55.1	51.6
	4:30:00	4:30:00		53.8	70.6	55.6	51.5
	4:31:00	4:31:00		54	73.6	58.2	52.2
	4:32:00	4:32:00		53.8	73.6	57.9	51.9
	4:33:00	4:33:00		57.6	78.9	63.7	52.4
	4:34:00	4:34:00		54.8	81.2	60.4	52.8
	4:35:00	4:35:00		54.4	74.3	59.8	52
	4:36:00	4:36:00		53.7	75.5	56.6	51.7
	4:37:00	4:37:00		52.9	67.8	54.6	51.3
	4:38:00	4:38:00		53.3	68	54.5	52.2
	4:39:00	4:39:00		53.1	69.4	55.9	51.3
	4:40:00	4:40:00		58.8	80.1	66.9	51.7
	4:41:00	4:41:00		52.9	74.6	55.2	51.4
	4:42:00	4:42:00		53.9	69.1	55.7	52.6
	4:43:00	4:43:00		54.1	73	56.2	52.4
	4:44:00	4:44:00		53.9	69.8	55.6	52.8
	4:45:00	4:45:00		55.7	72.1	59	53.7
	4:46:00	4:46:00		53.4	70	54.6	51.9
	4:47:00	4:47:00		53.8	71.1	55.6	51.7
	4:48:00	4:48:00		54.7	70.6	57.2	52.5
	4:49:00	4:49:00		54.4	69.6	55.5	53.1
	4:50:00	4:50:00		54.4	69.8	56.8	52.8
	4:51:00	4:51:00		56.6	86.9	65.1	53.1
	4:52:00	4:52:00		56.7	79.2	62.4	52.5
	4:53:00	4:53:00		53.9	70.5	56.3	52.3
	4:54:00	4:54:00		55.7	74.4	59.5	53
	4:55:00	4:55:00		54.7	71.7	56.6	52.1
	4:56:00	4:56:00		53.7	68.1	55.1	52.4
	4:57:00	4:57:00		54.1	72.9	55.9	52.5
	4:58:00	4:58:00		55	70	56.7	53.5
	4:59:00	4:59:00		55.2	71.2	57.1	51.8
	5:00:00	5:00:00		55.6	82.4	62.1	52.5
	5:01:00	5:01:00		54.1	70	56	53
	5:02:00	5:02:00		53.6	67.4	56	51.5
	5:03:00	5:03:00		54	68.9	56.1	52.3
	5:04:00	5:04:00		53.1	69.4	55.2	51.5
	5:05:00	5:05:00		54.1	73.2	56.7	51.6
	5:06:00	5:06:00		55	76.3	57.2	53.3
	5:07:00	5:07:00		54.6	71.4	56	53.6
	5:08:00	5:08:00		59.9	80.9	64.3	51.8
	5:09:00	5:09:00		53.8	68.9	55.4	52.1
	5:10:00	5:10:00		55.7	71.1	57.6	54.2
	5:11:00	5:11:00		54.9	70.3	56.3	52.7
	5:12:00	5:12:00		56.3	72	59.6	54.6
	5:13:00	5:13:00		55.9	70.4	57.7	53.2
	5:14:00	5:14:00		53.5	69.6	55.3	52.6
	5:15:00	5:15:00		57.8	76.2	62.1	52.7
	5:16:00	5:16:00		55.3	72.4	59.2	53.4
	5:17:00	5:17:00		54.6	70.4	56.9	52.8
	5:18:00	5:18:00		53.3	72.6	58.6	50.5
	5:19:00	5:19:00		59.8	80.7	66.4	54.1
	5:20:00	5:20:00		57.1	74.4	61.7	54
	5:21:00	5:21:00		54.2	75.4	57.1	52.6
	5:22:00	5:22:00		55.2	75.2	60.8	52.3
	5:23:00	5:23:00		58.3	79.1	65.2	53.7
	5:24:00	5:24:00		54.3	69.8	56.4	52.9
	5:25:00	5:25:00		54.2	70	56.9	52.5
	5:26:00	5:26:00		54.8	72	56.5	53.6
	5:27:00	5:27:00		56.6	71.3	58	54.8
	5:28:00	5:28:00		57	72.3	59.4	53.6
	5:29:00	5:29:00		56.5	78.9	59.5	54.1

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	5:30:00	5:30:00		56.4	74.1	59.7	54
	5:31:00	5:31:00		55.7	75.8	59.7	53.7
	5:32:00	5:32:00		55.9	71.9	57.7	54.4
	5:33:00	5:33:00		56.7	74.6	61.9	54.5
	5:34:00	5:34:00		55.5	74	58.1	54.1
	5:35:00	5:35:00		56.1	70.1	57.5	53.8
	5:36:00	5:36:00		55.3	74.4	57.4	53.6
	5:37:00	5:37:00		53.9	76.1	58.2	51.9
	5:38:00	5:38:00		55.5	77.7	58	53.8
	5:39:00	5:39:00		57.1	74.2	60.9	54.1
	5:40:00	5:40:00		59.4	87.2	68.1	52.9
	5:41:00	5:41:00		55.4	74.5	59.1	52
	5:42:00	5:42:00		54.5	69.5	56.6	52.9
	5:43:00	5:43:00		55.3	71.1	57.4	53.1
	5:44:00	5:44:00		56.1	71	59	54.1
	5:45:00	5:45:00		55.5	72.7	59.2	51.7
	5:46:00	5:46:00		54.8	71.7	56.6	53.3
	5:47:00	5:47:00		54.6	75	57.6	52.3
	5:48:00	5:48:00		53.9	73.3	57.8	51.9
	5:49:00	5:49:00		57.1	80.7	67	52.7
	5:50:00	5:50:00		71.7	100	84.8	53.8
	5:51:00	5:51:00		53.3	70.3	55.5	51.7
	5:52:00	5:52:00		54.4	69.1	56.2	52.1
	5:53:00	5:53:00		55.7	73.5	59.6	52.3
	5:54:00	5:54:00		56.5	75.9	62.8	52.1
	5:55:00	5:55:00		63.2	88.5	71.5	53.7
	5:56:00	5:56:00		53.5	70.8	55.8	51.6
	5:57:00	5:57:00		54.9	73.2	56.8	53
	5:58:00	5:58:00		56.1	74.7	58.2	53.6
	5:59:00	5:59:00		54.9	72.5	58.2	52.8
	6:00:00	6:00:00		55	71.1	57.5	53.4
	6:01:00	6:01:00		55.7	70.9	57.6	53.6
	6:02:00	6:02:00		57.2	73.3	61.7	54.6
	6:03:00	6:03:00		56	70.1	57.9	54.3
	6:04:00	6:04:00		56.9	73.2	58.6	55.1
	6:05:00	6:05:00		55.3	74.7	58.4	53.2
	6:06:00	6:06:00		56.8	80.2	61.2	54.6
	6:07:00	6:07:00		57.5	75.1	62.3	54.7
	6:08:00	6:08:00		56.6	76	59.7	54.6
	6:09:00	6:09:00		56	72.2	57.6	53.9
	6:10:00	6:10:00		56.2	72.1	58.3	53.4
	6:11:00	6:11:00		55.4	75.1	59	53.6
	6:12:00	6:12:00		54.9	71.6	57.3	52.7
	6:13:00	6:13:00		55.4	70.2	57	53.8
	6:14:00	6:14:00		55.4	73.6	59.6	53.5
	6:15:00	6:15:00		55.4	71.9	58.2	52.9
	6:16:00	6:16:00		55.5	70.9	57.7	53
	6:17:00	6:17:00		55.5	74.7	60.3	53.3
	6:18:00	6:18:00		53.8	68.6	55.1	52.5
	6:19:00	6:19:00		54.3	70.2	56.6	52.2
	6:20:00	6:20:00		53.7	69.5	56.7	51.7
	6:21:00	6:21:00		54.7	70.9	56.2	53.5
	6:22:00	6:22:00		55.4	71.5	57	53.7
	6:23:00	6:23:00		54.2	69.6	56.5	52.6
	6:24:00	6:24:00		54.3	72	55.9	52.6
	6:25:00	6:25:00		53.6	70.8	56.8	51.3
	6:26:00	6:26:00		54.9	70.2	56.8	53.8
	6:27:00	6:27:00		54.3	70.4	56.3	52.3
	6:28:00	6:28:00		54.8	70	56.9	53
	6:29:00	6:29:00		54.2	69.5	55.9	52.2
	6:30:00	6:30:00		55.3	70.2	57.6	53.6
	6:31:00	6:31:00		55.4	71.5	56.5	54.3
	6:32:00	6:32:00		56.2	78	58.6	54.5
	6:33:00	6:33:00		56.3	73	58.5	54.6
	6:34:00	6:34:00		54.7	70.9	57.2	53.4
	6:35:00	6:35:00		54	70.8	55.9	52.3

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	6:36:00	6:36:00		55.7	73.1	59.1	53.2
	6:37:00	6:37:00		55.3	70.6	58.3	53.6
	6:38:00	6:38:00		54	69.8	56.4	52.3
	6:39:00	6:39:00		54.5	69.5	56.2	53.3
	6:40:00	6:40:00		53.7	68.7	55.2	52.5
	6:41:00	6:41:00		55.1	71	56.5	52.3
	6:42:00	6:42:00		54.4	68.8	56.3	52.8
	6:43:00	6:43:00		54.3	68.9	56	52.6
	6:44:00	6:44:00		53.9	69	55.8	51.2
	6:45:00	6:45:00		59.9	81.9	68.4	53.5
	6:46:00	6:46:00		53.9	68.5	54.9	52.9
	6:47:00	6:47:00		54.8	71.9	57.4	53.3
	6:48:00	6:48:00		54.3	69.3	56.7	51.7
	6:49:00	6:49:00		54.2	68.9	55.7	53.3
	6:50:00	6:50:00		55.1	69.6	57.1	53.4
	6:51:00	6:51:00		54.8	73.9	56.4	53.5
	6:52:00	6:52:00		53.7	69	55	52.2
	6:53:00	6:53:00		54.3	71.9	56.9	52.3
	6:54:00	6:54:00		56.7	74	60.5	54
	6:55:00	6:55:00		56	76.7	62.2	53.9
	6:56:00	6:56:00		54.3	71	56.5	52.6
	6:57:00	6:57:00		54.3	71.2	57	51.4
	6:58:00	6:58:00		54.5	71.1	57.4	52.6
	6:59:00	6:59:00		55.8	72	57.4	54
	7:00:00	7:00:00		55.3	78	60.2	50.7
	7:01:00	7:01:00		55.5	70.5	58.6	51.9
	7:02:00	7:02:00		56.1	70.9	58.2	53.3
	7:03:00	7:03:00		54	70.1	56	52.1
	7:04:00	7:04:00		55	72.2	59.9	52.4
	7:05:00	7:05:00		54.7	70.8	56.6	52.7
	7:06:00	7:06:00		54.7	71	58.5	52.8
	7:07:00	7:07:00		55.5	77.4	59.9	53
	7:08:00	7:08:00		55.4	69.8	57.3	51.9
	7:09:00	7:09:00		54.5	69.3	56.8	52.1
	7:10:00	7:10:00		56.2	73.7	60	53.1
	7:11:00	7:11:00		54.2	70.8	56.1	52.4
	7:12:00	7:12:00		52.8	66.3	54.1	51.8
	7:13:00	7:13:00		55.1	70.4	56.9	53.2
	7:14:00	7:14:00		54.5	72.5	58.2	52.5
	7:15:00	7:15:00		53	67.5	54.5	51.2
	7:16:00	7:16:00		54.2	69.8	57.3	52.1
	7:17:00	7:17:00		53.3	68.1	54.7	52.1
	7:18:00	7:18:00		53.7	69.9	56.5	52.4
	7:19:00	7:19:00		54.1	69	55.8	52.7
	7:20:00	7:20:00		53.5	68.1	55.2	51.8
	7:21:00	7:21:00		54.8	72.3	59	51.9
	7:22:00	7:22:00		53.9	69.5	55.7	52.3
	7:23:00	7:23:00		53.5	69.1	55.8	51.7
	7:24:00	7:24:00		53.6	70	54.8	51.9
	7:25:00	7:25:00		54.4	69.8	56.9	51.6
	7:26:00	7:26:00		53.6	68.8	55.9	52.4
	7:27:00	7:27:00		52.9	67.5	53.9	51.8
	7:28:00	7:28:00		53.5	70.8	57	50.8
	7:29:00	7:29:00		54.6	72.6	56.8	52.7
	7:30:00	7:30:00		54.9	70.3	56.8	53.8
	7:31:00	7:31:00		55.6	70.6	56.8	53.6
	7:32:00	7:32:00		54.5	69.1	56.2	53.4
	7:33:00	7:33:00		53.2	68	55	51.7
	7:34:00	7:34:00		52.4	67.9	54.3	50.1
	7:35:00	7:35:00		53.7	68.3	55.6	52
	7:36:00	7:36:00		53.7	68	55	51.8
	7:37:00	7:37:00		53.1	68.9	55.1	50.9
	7:38:00	7:38:00		53.7	70.7	55.5	52.4
	7:39:00	7:39:00		54.6	70.2	55.9	53.2
	7:40:00	7:40:00		52.7	68	54.5	51
	7:41:00	7:41:00		53.2	67.5	55.4	52.1

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	7:42:00	7:42:00		53.9	71.3	56.7	51.6
	7:43:00	7:43:00		53.8	68.3	55.4	52.4
	7:44:00	7:44:00		52.6	68.4	55.1	51.1
	7:45:00	7:45:00		53.8	71.2	56.9	52.3
	7:46:00	7:46:00		54.5	71.6	57.3	52.7
	7:47:00	7:47:00		56	71.9	57.8	53.9
	7:48:00	7:48:00		56	74.7	60.1	53.7
	7:49:00	7:49:00		55.3	70.8	57.2	53.3
	7:50:00	7:50:00		53.4	68.7	54.4	52.2
	7:51:00	7:51:00		52.9	66.7	54	51.1
	7:52:00	7:52:00		52.9	69.6	55.5	50.6
	7:53:00	7:53:00		53.6	67.9	55.9	51.7
	7:54:00	7:54:00		53.4	68.6	54.6	51.7
	7:55:00	7:55:00		52.8	69.2	54.9	51.3
	7:56:00	7:56:00		53.6	68.3	55.2	52.4
	7:57:00	7:57:00		52.6	68.4	55.3	50.2
	7:58:00	7:58:00		55.2	80.7	66.9	51.1
	7:59:00	7:59:00		54	70.2	56	51.9
	8:00:00	8:00:00		54.2	70.1	56	52.2
	8:01:00	8:01:00		54	69.5	56.6	52.8
	8:02:00	8:02:00		53.3	70.5	58.7	51.3
	8:03:00	8:03:00		52.5	68.7	53.6	50.8
	8:04:00	8:04:00		52.1	69.8	53.1	50.9
	8:05:00	8:05:00		52.1	66.8	53.1	51.3
	8:06:00	8:06:00		53.4	68.1	55	51.9
	8:07:00	8:07:00		52.7	68.6	54.6	51.7
	8:08:00	8:08:00		53.8	69.2	55.4	51.4
	8:09:00	8:09:00		54.5	69.8	56.3	53.3
	8:10:00	8:10:00		53.7	68.8	55.5	52.4
	8:11:00	8:11:00		53	67.4	54.9	52.2
	8:12:00	8:12:00		53	67.3	53.8	52.3
	8:13:00	8:13:00		53.2	67.8	54.1	52
	8:14:00	8:14:00		53.7	67.4	54.9	52.3
	8:15:00	8:15:00		53.4	67	54.5	52.7
	8:16:00	8:16:00		53.5	67.7	54.8	52.7
	8:17:00	8:17:00		53.4	67.6	54.6	52.4
	8:18:00	8:18:00		53.4	67.2	54.6	52.4
	8:19:00	8:19:00		53.4	67.6	54.6	52.3
	8:20:00	8:20:00		52.6	67.2	53.6	51.3
	8:21:00	8:21:00		53.3	67.6	54.2	51.8
	8:22:00	8:22:00		53	67	54.1	51.7
	8:23:00	8:23:00		54	69	58.1	52.7
	8:24:00	8:24:00		53.9	67.8	55.8	52.6
	8:25:00	8:25:00		53.4	67.2	54.6	52.1
	8:26:00	8:26:00		53.4	77	58.5	52
	8:27:00	8:27:00		53.6	67.8	55.5	52
	8:28:00	8:28:00		54.5	72.2	57.1	52.9
	8:29:00	8:29:00		53.9	68.1	55.3	52.9
	8:30:00	8:30:00		53.8	67.3	55.4	52.6
	8:31:00	8:31:00		54.1	68.1	55.8	53.1
	8:32:00	8:32:00		54.1	68.9	55.5	53.1
	8:33:00	8:33:00		53.9	71.9	55.3	52.8
	8:34:00	8:34:00		54.5	68.6	55.6	53.7
	8:35:00	8:35:00		54.3	68.9	55.8	53.1
	8:36:00	8:36:00		54.2	74	56.5	52.8
	8:37:00	8:37:00		54.5	77.1	57.3	53.4
	8:38:00	8:38:00		54.8	92.9	62.7	53.1
	8:39:00	8:39:00		54.1	67.9	55	53.1
	8:40:00	8:40:00		55.6	70.9	59	53.1
	8:41:00	8:41:00		58.9	77.8	65.2	54.1
	8:42:00	8:42:00		54.4	69.5	56.4	52.5
	8:43:00	8:43:00		54.5	68.5	55.9	53.4
	8:44:00	8:44:00		55	78.8	58.4	53.4
	8:45:00	8:45:00		54.1	70.8	55.2	52.6
	8:46:00	8:46:00		54.3	68.6	56.5	52.6
	8:47:00	8:47:00		54.3	68.6	55.6	52.2

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	8:48:00	8:48:00		54.3	69.5	56.4	52.7
	8:49:00	8:49:00		53	67.6	54	52.1
	8:50:00	8:50:00		53.4	68	54.3	52.7
	8:51:00	8:51:00		53.9	68.4	55.2	52.6
	8:52:00	8:52:00		53.9	68.1	55.1	53
	8:53:00	8:53:00		53.4	67.6	54.4	52.5
	8:54:00	8:54:00		53.7	68.1	55.1	52.6
	8:55:00	8:55:00		54	67.6	55.3	52.6
	8:56:00	8:56:00		53.3	68.1	55	52
	8:57:00	8:57:00		54.1	68.6	55.8	53
	8:58:00	8:58:00		53.4	68.2	54.3	52.3
	8:59:00	8:59:00		53.9	68.4	55.3	52.6
	9:00:00	9:00:00		54.1	67.9	55.1	52.8
	9:01:00	9:01:00		54	68.3	54.7	53.2
	9:02:00	9:02:00		53.9	68.8	55.2	53
	9:03:00	9:03:00		53.6	67.8	54.7	52.7
	9:04:00	9:04:00		53.5	67.7	55	52.3
	9:05:00	9:05:00		54	69	56.5	52.7
	9:06:00	9:06:00		53.9	68.3	55.2	52.7
	9:07:00	9:07:00		54.1	68	55.2	53.3
	9:08:00	9:08:00		53.7	67.5	54.5	53
	9:09:00	9:09:00		54.1	68.6	55.8	52.7
	9:10:00	9:10:00		53.9	68	54.8	52.4
	9:11:00	9:11:00		54.2	68.5	55.3	52.7
	9:12:00	9:12:00		54.1	67.7	55.2	53
	9:13:00	9:13:00		54	69.9	56.8	53.1
	9:14:00	9:14:00		54.5	70.3	57.8	52.3
	9:15:00	9:15:00		54.3	69.8	56	52.9
	9:16:00	9:16:00		53.7	67.6	54.9	52.3
	9:17:00	9:17:00		53.8	68.1	54.5	53
	9:18:00	9:18:00		54	67.9	55	52.8
	9:19:00	9:19:00		53.6	70.3	56.1	52.1
	9:20:00	9:20:00		54.2	68.8	56.2	52.9
	9:21:00	9:21:00		54.2	69.9	56	53
	9:22:00	9:22:00		53.7	68	54.7	52.5
	9:23:00	9:23:00		53.9	68.4	55.2	51.9
	9:24:00	9:24:00		53.8	68.1	55	52.6
	9:25:00	9:25:00		53.5	67.6	54.9	52.4
	9:26:00	9:26:00		53.9	67.8	55.1	51.8
	9:27:00	9:27:00		53.7	67.9	55.3	52.9
	9:28:00	9:28:00		53.9	68.2	55	53
	9:29:00	9:29:00		54.3	68.9	55.6	53.4
	9:30:00	9:30:00		53.7	69.3	55.3	52.3
	9:31:00	9:31:00		53.9	68.5	55.2	52.9
	9:32:00	9:32:00		53.5	67.4	54.2	52.7
	9:33:00	9:33:00		53.8	68.3	55.1	52.4
	9:34:00	9:34:00		53.9	68.7	55.7	52.4
	9:35:00	9:35:00		54.2	68.4	54.9	53.1
	9:36:00	9:36:00		53.8	68.2	54.9	52.7
	9:37:00	9:37:00		53.7	67.3	54.7	52.5
	9:38:00	9:38:00		53.5	67.8	54.7	52.2
	9:39:00	9:39:00		54.4	68.4	56	53.3
	9:40:00	9:40:00		53.7	67.1	55.3	52.9
	9:41:00	9:41:00		53.4	66.5	54.1	52.6
	9:42:00	9:42:00		53.8	69	56.1	52.3
	9:43:00	9:43:00		53.3	69.3	54.5	52.4
	9:44:00	9:44:00		53	67	53.7	52.2
	9:45:00	9:45:00		53.5	68.5	55.3	52.5
	9:46:00	9:46:00		52.8	66.6	54	51.7
	9:47:00	9:47:00		53.4	67.2	54.3	52.6
	9:48:00	9:48:00		53.5	68.1	55.1	52.4
	9:49:00	9:49:00		53.3	68.8	54.1	52.2
	9:50:00	9:50:00		53	66.7	53.8	52.3
	9:51:00	9:51:00		53.3	66.9	54	52.4
	9:52:00	9:52:00		52.9	66.4	53.5	51.5
	9:53:00	9:53:00		53.1	67.1	54.3	51.5

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	9:54:00	9:54:00		53.3	67.6	54.5	52.5
	9:55:00	9:55:00		53.3	67.2	54.1	52.5
	9:56:00	9:56:00		53.4	67.4	53.9	52.7
	9:57:00	9:57:00		53.4	69.9	54.4	52
	9:58:00	9:58:00		53.7	70.1	56.1	52.7
	9:59:00	9:59:00		53.5	67.2	54.7	52.3
	10:00:00	10:00:00		53.2	67.5	54.5	51.5
	10:01:00	10:01:00		53.3	68.3	55.1	51.8
	10:02:00	10:02:00		52.4	66	53.8	51.2
	10:03:00	10:03:00		52.9	66.7	53.9	52
	10:04:00	10:04:00		53.2	66.7	54	52.1
	10:05:00	10:05:00		53.1	67.3	54.1	52
	10:06:00	10:06:00		52.6	65.9	53.9	51.2
	10:07:00	10:07:00		52.8	66	53.7	51.8
	10:08:00	10:08:00		54.1	69.4	56.7	52.6
	10:09:00	10:09:00		53	66.7	54	51.6
	10:10:00	10:10:00		53	66.7	54	52.1
	10:11:00	10:11:00		53.5	67.2	54.1	52.8
	10:12:00	10:12:00		53.1	68.1	53.9	52
	10:13:00	10:13:00		53.4	67.9	54.9	52.4
	10:14:00	10:14:00		53.7	67.6	54.5	52.7
	10:15:00	10:15:00		53.4	68.1	54.9	52.3
	10:16:00	10:16:00		53.8	67.7	55	52.7
	10:17:00	10:17:00		53.7	69.1	54.9	52.9
	10:18:00	10:18:00		53.8	68.4	54.8	52.5
	10:19:00	10:19:00		53.8	68.1	55.4	52.4
	10:20:00	10:20:00		53.3	67.2	54.2	52
	10:21:00	10:21:00		53.5	67	54.2	52.7
	10:22:00	10:22:00		53.5	67.4	54.5	52.9
	10:23:00	10:23:00		53.4	67.1	54.1	52.8
	10:24:00	10:24:00		53.6	67.7	54.5	52.7
	10:25:00	10:25:00		53.6	68.5	54.6	52.4
	10:26:00	10:26:00		53.4	67.3	54.3	52.7
	10:27:00	10:27:00		53.2	67.2	54.1	51.9
	10:28:00	10:28:00		53.4	67.1	54.4	52.4
	10:29:00	10:29:00		52.7	66.3	53.6	51.7
	10:30:00	10:30:00		53.6	67.2	54.5	52.6
	10:31:00	10:31:00		53.6	70.4	56	52.7
	10:32:00	10:32:00		54.3	68	55.2	53.4
	10:33:00	10:33:00		53.4	67.5	54.3	52.4
	10:34:00	10:34:00		53.7	67.8	54.4	53.1
	10:35:00	10:35:00		53.8	67.8	54.6	52.7
	10:36:00	10:36:00		53.6	67.6	54.6	52.8
	10:37:00	10:37:00		53.9	67.3	54.7	52.9
	10:38:00	10:38:00		53.3	67	53.9	52.4
	10:39:00	10:39:00		53.2	67.8	53.8	52.4
	10:40:00	10:40:00		52.9	66.1	53.7	52
	10:41:00	10:41:00		52.9	66.6	54	52
	10:42:00	10:42:00		52.9	67	53.6	52.1
	10:43:00	10:43:00		53.5	67.7	54.3	52.7
	10:44:00	10:44:00		53.5	67.7	54.1	52.8
	10:45:00	10:45:00		53.3	67.5	53.9	52.3
	10:46:00	10:46:00		53.3	67	54	52.4
	10:47:00	10:47:00		53.3	67.4	54.1	52.6
	10:48:00	10:48:00		53	66.4	53.8	52.2
	10:49:00	10:49:00		53.2	67.3	54.4	52.3
	10:50:00	10:50:00		53.9	68.6	54.8	53.1
	10:51:00	10:51:00		53.4	66.6	54.3	52.7
	10:52:00	10:52:00		53.3	67.1	54.3	52.1
	10:53:00	10:53:00		53	67.3	53.7	52.4
	10:54:00	10:54:00		53.1	66.6	53.7	52.6
	10:55:00	10:55:00		52.5	66.7	53.5	51.7
	10:56:00	10:56:00		53.2	66.8	54.1	51.7
	10:57:00	10:57:00		53	66.3	53.8	52.3
	10:58:00	10:58:00		53.3	67.3	53.9	52.6
	10:59:00	10:59:00		53.2	67.4	54.1	52

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	11:00:00	11:00:00		53	66.7	53.7	52
	11:01:00	11:01:00		53.3	67.2	54.2	52.3
	11:02:00	11:02:00		52.9	66	53.8	51.5
	11:03:00	11:03:00		52.9	66.8	53.6	51.9
	11:04:00	11:04:00		52.7	66.2	53.6	52
	11:05:00	11:05:00		52.9	66.9	54	51.7
	11:06:00	11:06:00		52.9	68.1	55.4	52
	11:07:00	11:07:00		53.4	68	55.1	52.2
	11:08:00	11:08:00		52.8	67.4	53.8	51.9
	11:09:00	11:09:00		52.8	66.4	53.3	52.2
	11:10:00	11:10:00		52.6	70.2	53.6	51.9
	11:11:00	11:11:00		52.9	68.5	53.8	51.6
	11:12:00	11:12:00		52.8	67.4	53.8	51.5
	11:13:00	11:13:00		53.3	70	54.1	52.8
	11:14:00	11:14:00		52.9	66.5	53.3	52.3
	11:15:00	11:15:00		53	66.8	54.3	51.5
	11:16:00	11:16:00		52.9	67	54	51.9
	11:17:00	11:17:00		52.7	67	53.5	51.7
	11:18:00	11:18:00		52.6	66.5	53.4	51.6
	11:19:00	11:19:00		53	66.8	53.8	52.2
	11:20:00	11:20:00		52.9	67.3	54	51.7
	11:21:00	11:21:00		53	67.1	54.4	51.8
	11:22:00	11:22:00		52.6	66.6	53.7	51.5
	11:23:00	11:23:00		53.2	68	54.3	51.4
	11:24:00	11:24:00		52.4	66.5	53.9	51.8
	11:25:00	11:25:00		52.9	66.8	54.3	51.7
	11:26:00	11:26:00		52.9	67.8	54.1	51.9
	11:27:00	11:27:00		52.4	66.5	52.9	51.7
	11:28:00	11:28:00		53	67.9	54.8	51.9
	11:29:00	11:29:00		52.7	67.3	53.9	51.8
	11:30:00	11:30:00		53.2	70	54.6	52
	11:31:00	11:31:00		53.1	66.9	54.2	52.3
	11:32:00	11:32:00		53.3	67.5	54.2	52.6
	11:33:00	11:33:00		53.5	68.3	54.2	52.6
	11:34:00	11:34:00		52.8	68.6	53.3	52.1
	11:35:00	11:35:00		52.9	66.7	53.5	51.9
	11:36:00	11:36:00		53.3	67.9	54.1	52.2
	11:37:00	11:37:00		53.4	68	54.7	52.7
	11:38:00	11:38:00		53.6	68	54.4	52.9
	11:39:00	11:39:00		53.3	67.7	54.2	52.6
	11:40:00	11:40:00		52.9	66.9	53.4	52.4
	11:41:00	11:41:00		53.1	66.9	53.8	52.4
	11:42:00	11:42:00		53	67	54.3	52.3
	11:43:00	11:43:00		53	66.8	53.8	52.5
	11:44:00	11:44:00		53	66.8	53.6	52.5
	11:45:00	11:45:00		53.2	68.5	55.4	52.4
	11:46:00	11:46:00		54.1	71.2	55.3	53.5
	11:47:00	11:47:00		53.3	70.9	55.6	52.2
	11:48:00	11:48:00		52.9	66.8	53.5	52.3
	11:49:00	11:49:00		53	67.1	53.6	52.2
	11:50:00	11:50:00		52.7	66.2	53.1	52
	11:51:00	11:51:00		52.5	66.3	53.3	51.9
	11:52:00	11:52:00		52.5	66.7	53.2	51.9
	11:53:00	11:53:00		52.4	65.9	53	51.9
	11:54:00	11:54:00		53.1	67.1	53.9	52.4
	11:55:00	11:55:00		53.1	69	54.4	52.3
	11:56:00	11:56:00		52.7	66	53.8	52
	11:57:00	11:57:00		52.7	66	53.9	51.8
	11:58:00	11:58:00		52.7	66.1	53.6	52.1
	11:59:00	11:59:00		52.9	66.3	53.5	52.3
	12:00:00	12:00:00		52.9	67.2	53.6	52.2
	12:01:00	12:01:00		53	66.4	54.3	52
	12:02:00	12:02:00		53.1	67.2	54.5	51.9
	12:03:00	12:03:00		53.2	67.2	55.2	52.2
	12:04:00	12:04:00		52.8	67.3	54.7	51.9
	12:05:00	12:05:00		53	68.6	54.1	52

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	12:06:00	12:06:00		52.6	67.7	54.2	51.7
	12:07:00	12:07:00		52.7	65.8	53.5	51.9
	12:08:00	12:08:00		52.7	66.1	53.7	51.9
	12:09:00	12:09:00		53.2	68	54.4	52.4
	12:10:00	12:10:00		52.4	66.5	53	51.9
	12:11:00	12:11:00		52.6	66.7	53.6	51.9
	12:12:00	12:12:00		52.3	66.5	53.5	51.6
	12:13:00	12:13:00		52.8	66.3	53.6	52.1
	12:14:00	12:14:00		52.8	67.3	54.4	51.3
	12:15:00	12:15:00		52.3	66.4	53.4	51.3
	12:16:00	12:16:00		52	66.1	52.7	51.1
	12:17:00	12:17:00		52.2	70.7	54.4	51.3
	12:18:00	12:18:00		51.9	66.7	53.4	50.9
	12:19:00	12:19:00		52.1	70.4	53.8	50.7
	12:20:00	12:20:00		52.8	68.8	55	51.4
	12:21:00	12:21:00		51.5	65.1	52.3	50.6
	12:22:00	12:22:00		51.7	66.1	52.8	50.7
	12:23:00	12:23:00		51.6	66.2	52.9	50.6
	12:24:00	12:24:00		51.4	64.8	52.4	50.1
	12:25:00	12:25:00		51.9	67.1	52.9	50.8
	12:26:00	12:26:00		51.4	65.1	52.4	50.2
	12:27:00	12:27:00		51.4	65.2	52.2	51
	12:28:00	12:28:00		51.8	66.4	53.5	50.8
	12:29:00	12:29:00		51.9	65.5	52.4	51.4
	12:30:00	12:30:00		52.1	65.6	53.3	51.3
	12:31:00	12:31:00		51.9	65.7	52.9	51.1
	12:32:00	12:32:00		52.1	66.8	52.6	51.2
	12:33:00	12:33:00		51.8	66.5	52.6	50.8
	12:34:00	12:34:00		52	65.5	52.9	51
	12:35:00	12:35:00		51.8	65.9	52.6	51
	12:36:00	12:36:00		52.3	66	53.3	51.6
	12:37:00	12:37:00		51.7	65.9	52.9	51
	12:38:00	12:38:00		52	65.6	53	50.9
	12:39:00	12:39:00		51.5	65.3	52.2	50.6
	12:40:00	12:40:00		51.9	65.3	52.8	51.1
	12:41:00	12:41:00		51.7	65.4	52.4	51.1
	12:42:00	12:42:00		51.6	65.1	52.6	50.7
	12:43:00	12:43:00		51.5	65.8	52.4	50.7
	12:44:00	12:44:00		51.5	64.8	52.4	50.8
	12:45:00	12:45:00		51.8	65.4	52.8	50.4
	12:46:00	12:46:00		51.6	65.3	52.4	50.9
	12:47:00	12:47:00		51.8	65.2	52.5	51.3
	12:48:00	12:48:00		51.6	65.9	52.5	50.9
	12:49:00	12:49:00		51.6	65.9	53.4	50.8
	12:50:00	12:50:00		51.5	64.7	52.6	50.7
	12:51:00	12:51:00		51.3	64.1	52	50.5
	12:52:00	12:52:00		52	66.7	53.2	50.8
	12:53:00	12:53:00		51.5	65.3	52.1	51
	12:54:00	12:54:00		51.7	65.3	52.5	50.6
	12:55:00	12:55:00		51.6	65.3	52.9	50.4
	12:56:00	12:56:00		51.7	65.9	52.2	50.8
	12:57:00	12:57:00		52.1	69.6	55	50.2
	12:58:00	12:58:00		52.1	66.1	53.3	50.3
	12:59:00	12:59:00		51.8	66.1	53	50.4
	13:00:00	13:00:00		51.5	65.1	52.6	50.8
	13:01:00	13:01:00		51.5	65.3	52.4	50.6
	13:02:00	13:02:00		51.4	65.7	52	50.6
	13:03:00	13:03:00		50.9	63.9	51.8	49.7
	13:04:00	13:04:00		51.8	65.8	53.1	51.1
	13:05:00	13:05:00		51.8	65.1	52.4	51.2
	13:06:00	13:06:00		51.7	65.8	52.6	51
	13:07:00	13:07:00		51.8	65.7	52.9	51
	13:08:00	13:08:00		51.3	65.1	52.3	50.2
	13:09:00	13:09:00		51.5	66.1	52.8	50.5
	13:10:00	13:10:00		51.7	65.7	53.2	50.2
	13:11:00	13:11:00		51.8	65.5	52.7	51

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	13:12:00	13:12:00		52.2	66.9	54.6	51.3
	13:13:00	13:13:00		51.9	65.3	52.6	51.3
	13:14:00	13:14:00		51.8	65.7	52.6	51
	13:15:00	13:15:00		51.6	65.3	52.5	50.8
	13:16:00	13:16:00		51.4	65.6	52.2	50.5
	13:17:00	13:17:00		51.3	64.8	52.1	50.6
	13:18:00	13:18:00		52.1	66.2	52.8	51
	13:19:00	13:19:00		51.6	65.7	52.5	50.6
	13:20:00	13:20:00		52	66.7	54.1	50.6
	13:21:00	13:21:00		51.6	66.6	53.1	50.4
	13:22:00	13:22:00		51.8	66.4	52.9	51
	13:23:00	13:23:00		51.2	64.6	52.1	50.5
	13:24:00	13:24:00		51.8	66.4	53.3	51.1
	13:25:00	13:25:00		51.7	66.1	53.3	50.8
	13:26:00	13:26:00		51.5	64.7	52.1	50.9
	13:27:00	13:27:00		51.6	65.2	52.2	50.4
	13:28:00	13:28:00		51.3	66.9	53.8	49.7
	13:29:00	13:29:00		51.5	65.1	52.7	50.3
	13:30:00	13:30:00		51.3	66.5	52	50.6
	13:31:00	13:31:00		51.5	66	52.2	50.2
	13:32:00	13:32:00		51.4	65.7	52.6	50.4
	13:33:00	13:33:00		51.5	67.8	53.9	50.6
	13:34:00	13:34:00		52.2	66.7	54.3	50.6
	13:35:00	13:35:00		50.7	64.4	51.3	49.8
	13:36:00	13:36:00		51.1	64.8	52.2	49.6
	13:37:00	13:37:00		51.2	64.5	52	50.2
	13:38:00	13:38:00		50.9	65.1	51.8	50
	13:39:00	13:39:00		51	64.8	52.3	49.6
	13:40:00	13:40:00		51.2	66.9	52.9	50.1
	13:41:00	13:41:00		51.3	64.7	52.1	50.7
	13:42:00	13:42:00		51.3	65.9	52.7	50.4
	13:43:00	13:43:00		51.5	64.9	52.5	50.6
	13:44:00	13:44:00		51.7	66.1	52.3	50.9
	13:45:00	13:45:00		51.7	65.2	52.8	50.8
	13:46:00	13:46:00		52.4	67.5	54.5	51.5
	13:47:00	13:47:00		52.2	66.8	54	51.6
	13:48:00	13:48:00		52.1	65.6	52.8	51.6
	13:49:00	13:49:00		51.9	65.6	52.6	51.1
	13:50:00	13:50:00		52.2	67.1	53.4	51.4
	13:51:00	13:51:00		51.4	65.1	52	50.7
	13:52:00	13:52:00		52.1	65.8	53.1	50.7
	13:53:00	13:53:00		52.5	66.3	52.9	52.1
	13:54:00	13:54:00		51.8	66.5	52.3	51.3
	13:55:00	13:55:00		52.2	66.5	52.9	51.5
	13:56:00	13:56:00		51.8	66.3	52.5	51.3
	13:57:00	13:57:00		52.3	66	53.1	51.7
	13:58:00	13:58:00		51.9	65.7	52.7	51.4
	13:59:00	13:59:00		51.7	65.2	52.5	51
	14:00:00	14:00:00		52.2	67.4	54.6	51.7
	14:01:00	14:01:00		52.9	67.3	54.6	52.1
	14:02:00	14:02:00		52.3	65.9	52.8	51.9
	14:03:00	14:03:00		52.5	66.1	53	51.9
	14:04:00	14:04:00		52.4	65.8	52.9	52
	14:05:00	14:05:00		52.1	66.2	52.6	51.6
	14:06:00	14:06:00		52	66.7	52.4	51.3
	14:07:00	14:07:00		51.6	65.4	52	51.1
	14:08:00	14:08:00		51.6	65.7	52.6	51.1
	14:09:00	14:09:00		51.5	67.8	53.9	50.4
	14:10:00	14:10:00		52.1	66.2	52.8	51.1
	14:11:00	14:11:00		51.7	65.5	52.4	51.1
	14:12:00	14:12:00		51.6	65.5	52.4	50.7
	14:13:00	14:13:00		52.2	65.6	52.8	51.7
	14:14:00	14:14:00		52.1	65.9	52.6	51.5
	14:15:00	14:15:00		51.7	65.1	52.5	51
	14:16:00	14:16:00		52.5	69.9	53.6	51.9
	14:17:00	14:17:00		52.1	70.8	53.3	51.2

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	14:18:00	14:18:00		51.7	66.3	52.7	51.1
	14:19:00	14:19:00		51.7	65.9	52.7	50.9
	14:20:00	14:20:00		51.4	67.6	51.8	51
	14:21:00	14:21:00		51.7	64.7	52.3	51.1
	14:22:00	14:22:00		52	65.4	52.9	51.5
	14:23:00	14:23:00		52	65.5	52.6	51.4
	14:24:00	14:24:00		51.9	66.1	53.2	50.8
	14:25:00	14:25:00		51.2	65.7	52.3	50.3
	14:26:00	14:26:00		51.2	64.4	51.6	50.7
	14:27:00	14:27:00		51.3	64.4	51.9	50.5
	14:28:00	14:28:00		51.1	66.4	51.8	50.3
	14:29:00	14:29:00		51.1	65.4	51.9	50.5
	14:30:00	14:30:00		51.5	65.3	51.9	50.9
	14:31:00	14:31:00		51.5	65.2	52.4	50.6
	14:32:00	14:32:00		51.6	65.5	52.7	51
	14:33:00	14:33:00		51.7	66.3	52.7	51.1
	14:34:00	14:34:00		51.5	65.5	52.5	50.9
	14:35:00	14:35:00		51.9	66.4	52.3	51.4
	14:36:00	14:36:00		51.5	66.1	52.1	50.8
	14:37:00	14:37:00		51.5	65.7	52	50.9
	14:38:00	14:38:00		51.7	65.7	52.4	50.7
	14:39:00	14:39:00		51.6	65.3	52.3	51.1
	14:40:00	14:40:00		51.4	65.2	52	51
	14:41:00	14:41:00		52.2	66.1	53.2	51.2
	14:42:00	14:42:00		51.8	65.1	52.3	50.9
	14:43:00	14:43:00		51.4	65.7	52.3	50.9
	14:44:00	14:44:00		53.4	67.5	55.1	51.2
	14:45:00	14:45:00		53.2	70	54.7	52.4
	14:46:00	14:46:00		53.1	69.2	55.1	52.4
	14:47:00	14:47:00		53.1	66.3	53.7	52.3
	14:48:00	14:48:00		52	66.2	52.4	51.5
	14:49:00	14:49:00		52.1	65.4	52.5	51.5
	14:50:00	14:50:00		52.3	66.2	52.7	52
	14:51:00	14:51:00		52	65.6	52.4	51.6
	14:52:00	14:52:00		51.9	65.1	52.3	51.3
	14:53:00	14:53:00		52.6	65.9	53.3	52.1
	14:54:00	14:54:00		52.4	67	53.1	51.5
	14:55:00	14:55:00		52.3	66.5	52.8	51.9
	14:56:00	14:56:00		52.8	66.1	53.3	52.2
	14:57:00	14:57:00		52.8	67.1	53.1	52.4
	14:58:00	14:58:00		53	67.6	53.4	52.4
	14:59:00	14:59:00		53.1	66.7	53.8	52.4
	15:00:00	15:00:00		52.6	67	53.1	52.1
	15:01:00	15:01:00		52.5	67	52.9	52.1
	15:02:00	15:02:00		52.4	65.6	52.9	51.9
	15:03:00	15:03:00		52.3	66.8	52.9	51.6
	15:04:00	15:04:00		52.5	66	52.8	52
	15:05:00	15:05:00		52.4	65.6	52.9	52
	15:06:00	15:06:00		52.5	66.7	52.9	52
	15:07:00	15:07:00		52.3	66.1	52.8	51.2
	15:08:00	15:08:00		52	65.6	52.4	51.5
	15:09:00	15:09:00		51.6	65.5	52.3	51.1
	15:10:00	15:10:00		52	66	52.4	51.5
	15:11:00	15:11:00		51.9	69.7	53	51.3
	15:12:00	15:12:00		51.7	69.2	52.3	51.2
	15:13:00	15:13:00		51.6	64.8	52.1	51.1
	15:14:00	15:14:00		51.7	64.7	52.4	51.1
	15:15:00	15:15:00		51.7	65.1	52.3	51.3
	15:16:00	15:16:00		51.2	64.5	51.7	50.7
	15:17:00	15:17:00		51.3	64.5	52	50.5
	15:18:00	15:18:00		51.4	65.5	52.4	50.6
	15:19:00	15:19:00		51.4	64.9	52.4	50.7
	15:20:00	15:20:00		51	64.2	52.1	50.4
	15:21:00	15:21:00		51.9	67.2	52.9	51
	15:22:00	15:22:00		52	66.9	53.4	51
	15:23:00	15:23:00		51	64.8	52	50.4

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	15:24:00	15:24:00		51.8	67.1	54	50.5
	15:25:00	15:25:00		51.9	65.5	53	51
	15:26:00	15:26:00		51.1	64.5	51.7	50.6
	15:27:00	15:27:00		51	64.8	51.8	50.5
	15:28:00	15:28:00		51.1	65	52.1	50.4
	15:29:00	15:29:00		51.6	65.4	52.2	50.9
	15:30:00	15:30:00		51.5	65.6	52.5	50.5
	15:31:00	15:31:00		50.9	64.2	51.4	50.4
	15:32:00	15:32:00		51.2	64.5	51.6	50.5
	15:33:00	15:33:00		51.3	64.6	52.3	50.1
	15:34:00	15:34:00		51.4	65.5	52.1	50.7
	15:35:00	15:35:00		50.9	64	51.6	50.3
	15:36:00	15:36:00		51.2	64.7	52.2	50.7
	15:37:00	15:37:00		50.9	64.1	51.6	50.4
	15:38:00	15:38:00		51.3	64.5	51.9	50.6
	15:39:00	15:39:00		51.3	64.6	51.9	50.8
	15:40:00	15:40:00		51.3	64.7	51.7	50.8
	15:41:00	15:41:00		51	64.2	52.1	50.5
	15:42:00	15:42:00		51.9	67.4	54	51
	15:43:00	15:43:00		51.6	66.2	52.4	51
	15:44:00	15:44:00		51.2	64.9	52.1	50.7
	15:45:00	15:45:00		51.9	66.6	52.4	51.4
	15:46:00	15:46:00		51.6	65.1	52.5	50.4
	15:47:00	15:47:00		52.1	66.8	52.5	51.6
	15:48:00	15:48:00		51.7	65.6	53.1	51
	15:49:00	15:49:00		51.6	65.7	52.4	51
	15:50:00	15:50:00		51.4	65.8	53	50.3
	15:51:00	15:51:00		51.9	66.2	53.1	51
	15:52:00	15:52:00		51.6	65	52.4	50.9
	15:53:00	15:53:00		51.7	64.9	52.2	51.1
	15:54:00	15:54:00		51.4	64.6	52.5	50.8
	15:55:00	15:55:00		51.5	65.8	52.3	50.9
	15:56:00	15:56:00		51.3	64.8	52	50.6
	15:57:00	15:57:00		51.3	64.5	52.1	50.8
	15:58:00	15:58:00		51.3	65.7	51.8	50.7
	15:59:00	15:59:00		51.6	65.3	52.2	51.2
	16:00:00	16:00:00		51.6	65.8	52.6	50.8
	16:01:00	16:01:00		52.4	68.5	54.5	51.1
	16:02:00	16:02:00		52.5	66	53.7	51.5
	16:03:00	16:03:00		51.7	64.5	52.3	50.9
	16:04:00	16:04:00		51.7	65.5	52.2	51
	16:05:00	16:05:00		51.8	65.8	52.4	50.9
	16:06:00	16:06:00		51.9	65.2	53	51.2
	16:07:00	16:07:00		52.3	65.4	53.1	51.7
	16:08:00	16:08:00		52	65.6	52.6	51.4
	16:09:00	16:09:00		52.4	66	53.1	51.9
	16:10:00	16:10:00		51.9	64.9	52.7	51.1
	16:11:00	16:11:00		52.1	65.5	52.9	51.6
	16:12:00	16:12:00		51.9	67.1	53.7	51
	16:13:00	16:13:00		52	65.9	52.6	51.1
	16:14:00	16:14:00		51.8	65.6	52.3	51.2
	16:15:00	16:15:00		51.7	64.8	52.3	50.9
	16:16:00	16:16:00		51.4	66.2	52.2	50.5
	16:17:00	16:17:00		52.3	67	54.4	50.6
	16:18:00	16:18:00		51.4	64.7	52.3	50.6
	16:19:00	16:19:00		51.3	64.9	52	50.7
	16:20:00	16:20:00		51.1	64.6	51.7	50.8
	16:21:00	16:21:00		51.3	65.3	52.3	50.6
	16:22:00	16:22:00		51.4	64.7	52.1	50.6
	16:23:00	16:23:00		51.4	65.9	52.1	50.5
	16:24:00	16:24:00		51	64.4	51.4	50.5
	16:25:00	16:25:00		51.2	67.6	52.9	50.7
	16:26:00	16:26:00		51.4	64.7	52.6	50.9
	16:27:00	16:27:00		51.7	66.3	53.7	50.8
	16:28:00	16:28:00		51.7	65.3	52.5	50.9
	16:29:00	16:29:00		51.7	65.6	53.1	50.8

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	16:30:00	16:30:00		51.9	65.6	52.6	50.8
	16:31:00	16:31:00		51.6	65.7	52.5	50.9
	16:32:00	16:32:00		51.8	65.6	52.5	51.4
	16:33:00	16:33:00		51.4	65.1	52	50.8
	16:34:00	16:34:00		51.5	65.3	52	50.9
	16:35:00	16:35:00		51.6	65.7	52.4	50.9
	16:36:00	16:36:00		52.7	68.4	53.7	51.1
	16:37:00	16:37:00		51.7	65.3	53.1	51.1
	16:38:00	16:38:00		52	65.5	52.5	51.3
	16:39:00	16:39:00		51.8	64.8	52.2	51.2
	16:40:00	16:40:00		51.9	65.5	52.5	51.3
	16:41:00	16:41:00		52	65.6	52.7	51.2
	16:42:00	16:42:00		51.9	65.9	52.8	51.3
	16:43:00	16:43:00		51.7	64.7	52.2	51.1
	16:44:00	16:44:00		52.1	66.3	53	51.4
	16:45:00	16:45:00		51.9	65.2	52.5	51.5
	16:46:00	16:46:00		51.6	65.4	52.3	50.8
	16:47:00	16:47:00		51.6	65.5	52.2	51
	16:48:00	16:48:00		51.5	64.6	52	51
	16:49:00	16:49:00		51.7	65.7	52.3	51.1
	16:50:00	16:50:00		51.6	65.2	52.3	51.1
	16:51:00	16:51:00		51.5	64.7	52	51
	16:52:00	16:52:00		51.6	64.7	52.2	51.3
	16:53:00	16:53:00		51.7	64.8	52.2	51.1
	16:54:00	16:54:00		51.6	65.4	52.3	51.2
	16:55:00	16:55:00		51.5	64.6	51.9	51.1
	16:56:00	16:56:00		51.8	65.5	52.6	51.1
	16:57:00	16:57:00		51.8	65.1	52.5	51.1
	16:58:00	16:58:00		52.3	66	53.4	51.8
	16:59:00	16:59:00		52	66	52.6	51.6
	17:00:00	17:00:00		52	65.4	52.5	51.7
	17:01:00	17:01:00		52	65.3	52.6	51.7
	17:02:00	17:02:00		51.9	65.1	52.6	51.2
	17:03:00	17:03:00		51.4	64.4	52.1	50.8
	17:04:00	17:04:00		51.4	64.5	52.1	50.7
	17:05:00	17:05:00		51.9	65.2	53	51.3
	17:06:00	17:06:00		52.2	65.7	52.7	51.8
	17:07:00	17:07:00		52.7	66	53.3	52.1
	17:08:00	17:08:00		52.7	66.5	53.3	52.2
	17:09:00	17:09:00		52.4	65.7	52.9	52
	17:10:00	17:10:00		52.5	65.6	53	52.1
	17:11:00	17:11:00		52.5	65.8	53	52.1
	17:12:00	17:12:00		52.3	65.5	52.9	51.9
	17:13:00	17:13:00		52.6	67.2	53.8	51.8
	17:14:00	17:14:00		52.8	68.8	54.3	51.8
	17:15:00	17:15:00		52.2	65.9	52.9	51.5
	17:16:00	17:16:00		52.2	65.9	53	51.4
	17:17:00	17:17:00		52.6	66.5	53.3	51.8
	17:18:00	17:18:00		52.5	67.3	54.4	51.7
	17:19:00	17:19:00		53.4	70	56.1	51.7
	17:20:00	17:20:00		52	66	52.8	51.5
	17:21:00	17:21:00		51.8	65.6	53	51
	17:22:00	17:22:00		51.4	65	52.1	50.8
	17:23:00	17:23:00		51.6	64.7	52.6	50.9
	17:24:00	17:24:00		51.6	65.3	52.5	51
	17:25:00	17:25:00		51.9	65.4	53	51.1
	17:26:00	17:26:00		51.5	64.8	52.1	50.8
	17:27:00	17:27:00		51.8	64.8	52.5	50.8
	17:28:00	17:28:00		52.4	65.6	53.1	51.9
	17:29:00	17:29:00		52.4	66.5	53.6	51.7
	17:30:00	17:30:00		52.4	66.3	52.9	52
	17:31:00	17:31:00		52.5	67.1	53	52
	17:32:00	17:32:00		51.9	65.7	52.6	51.5
	17:33:00	17:33:00		51.8	66.1	52.7	51.1
	17:34:00	17:34:00		52.2	66.3	52.6	51.9
	17:35:00	17:35:00		52.5	65.6	52.9	52

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	17:36:00	17:36:00		52.8	65.8	53.2	52.3
	17:37:00	17:37:00		52.9	66.4	53.5	52.4
	17:38:00	17:38:00		52.8	66.3	53.3	52.4
	17:39:00	17:39:00		52.6	66.3	53	52.2
	17:40:00	17:40:00		52.7	66	53.2	52.1
	17:41:00	17:41:00		51.9	65.4	52.6	51.4
	17:42:00	17:42:00		51.8	66	52.2	51.3
	17:43:00	17:43:00		52	71.1	56.4	51.2
	17:44:00	17:44:00		51.6	65.3	52.1	51
	17:45:00	17:45:00		51.6	65.9	52.2	51.1
	17:46:00	17:46:00		52.6	67.9	53.7	51.8
	17:47:00	17:47:00		52.7	66.5	53.6	52.3
	17:48:00	17:48:00		53.1	67.4	53.5	52.5
	17:49:00	17:49:00		53.8	73.1	56.3	53
	17:50:00	17:50:00		53.8	68	54.3	52.9
	17:51:00	17:51:00		53.5	66.9	53.9	53.1
	17:52:00	17:52:00		53.3	67.5	53.8	52.7
	17:53:00	17:53:00		53	67	53.6	52.5
	17:54:00	17:54:00		52.8	66.4	53.4	52.2
	17:55:00	17:55:00		53	69.6	56.3	52
	17:56:00	17:56:00		52.9	70.1	55	52.1
	17:57:00	17:57:00		52.2	66.3	52.8	51.7
	17:58:00	17:58:00		52.7	67.2	53.4	52.1
	17:59:00	17:59:00		52.6	66.3	53.2	51.9
	18:00:00	18:00:00		51.8	65.5	52.3	51.2
	18:01:00	18:01:00		51.7	65.1	52.1	51.1
	18:02:00	18:02:00		52.1	65.5	52.9	51.7
	18:03:00	18:03:00		52.3	66.4	53.1	51.7
	18:04:00	18:04:00		52.5	65.7	53.2	52
	18:05:00	18:05:00		52.5	66.5	53.1	52
	18:06:00	18:06:00		52.1	65.6	52.8	51.6
	18:07:00	18:07:00		52.2	66.8	52.8	51.7
	18:08:00	18:08:00		52.3	65.9	53.3	51.6
	18:09:00	18:09:00		52	65.9	52.7	51.3
	18:10:00	18:10:00		52.5	66.6	53.2	52.1
	18:11:00	18:11:00		52.7	66.2	53.2	52.3
	18:12:00	18:12:00		52.7	66.5	53.2	52.1
	18:13:00	18:13:00		52.4	65.9	52.9	51.9
	18:14:00	18:14:00		52.1	66.2	52.7	51.3
	18:15:00	18:15:00		52.3	65.5	52.9	51.9
	18:16:00	18:16:00		52.5	66.1	53	52
	18:17:00	18:17:00		53.1	67.5	54.3	52.4
	18:18:00	18:18:00		53	67.2	53.6	52.4
	18:19:00	18:19:00		52.8	66.6	53.3	52.4
	18:20:00	18:20:00		53	67.4	53.7	52.5
	18:21:00	18:21:00		53.1	67.6	53.5	52.5
	18:22:00	18:22:00		53.1	66.8	53.7	52.5
	18:23:00	18:23:00		53.2	66.9	54.3	52.7
	18:24:00	18:24:00		53	66.8	53.5	52.4
	18:25:00	18:25:00		53.1	67	54.1	52.4
	18:26:00	18:26:00		53.5	68.3	54.9	52.9
	18:27:00	18:27:00		52.4	66.3	53.3	51.8
	18:28:00	18:28:00		52.5	66.8	52.9	52.1
	18:29:00	18:29:00		52.7	65.8	53.2	52.1
	18:30:00	18:30:00		52.9	66.8	53.4	52.5
	18:31:00	18:31:00		53.3	67.2	54	52.7
	18:32:00	18:32:00		53.5	67.1	53.9	53.1
	18:33:00	18:33:00		53.2	66.6	53.8	52.7
	18:34:00	18:34:00		53.3	67.3	53.9	52.8
	18:35:00	18:35:00		53.3	69.5	54.1	52.7
	18:36:00	18:36:00		53.8	67.3	54.6	53
	18:37:00	18:37:00		53.2	66.9	53.6	52.8
	18:38:00	18:38:00		53.6	67.3	54.3	53
	18:39:00	18:39:00		53.3	67	53.6	52.8
	18:40:00	18:40:00		53.5	67.8	54.1	52.8
	18:41:00	18:41:00		53.2	67.4	53.8	52.8

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	18:42:00	18:42:00		53.5	66.7	54.2	52.9
	18:43:00	18:43:00		53.3	67.4	53.9	52.7
	18:44:00	18:44:00		53.1	67	54.4	52.1
	18:45:00	18:45:00		53.9	68.5	55.2	52.7
	18:46:00	18:46:00		54.6	68.2	55.5	53.6
	18:47:00	18:47:00		54.4	69.6	56.1	53.5
	18:48:00	18:48:00		54.5	70.1	55.5	53.8
	18:49:00	18:49:00		54.5	68.2	55.3	54
	18:50:00	18:50:00		54.3	69.7	55.1	53.6
	18:51:00	18:51:00		53.6	74.8	54.2	52.8
	18:52:00	18:52:00		53.5	67.1	54.3	52.9
	18:53:00	18:53:00		53.6	67.6	54.1	52.9
	18:54:00	18:54:00		53.8	68.2	54.7	53.1
	18:55:00	18:55:00		55.1	68.8	56.4	54.1
	18:56:00	18:56:00		55.7	75.8	61.5	54
	18:57:00	18:57:00		55	70.8	60.9	53.5
	18:58:00	18:58:00		53.6	67.1	54.1	53.1
	18:59:00	18:59:00		54	68.8	55.1	53.3
	19:00:00	19:00:00		54.2	70.1	56.9	53.2
	19:01:00	19:01:00		54.3	72.3	58.2	53.3
	19:02:00	19:02:00		55.1	69.3	56.1	53.8
	19:03:00	19:03:00		54.4	69	55.9	53.4
	19:04:00	19:04:00		54.1	68.4	54.8	53.3
	19:05:00	19:05:00		55.5	72.3	57.2	53.8
	19:06:00	19:06:00		55	69.7	56.2	53.5
	19:07:00	19:07:00		53.6	67.5	54.4	53.2
	19:08:00	19:08:00		53.6	68.7	56.4	53
	19:09:00	19:09:00		53.8	68.3	54.6	53
	19:10:00	19:10:00		53.5	67.7	55	52.5
	19:11:00	19:11:00		53.7	67.8	54.3	53
	19:12:00	19:12:00		53	66.9	53.7	51.9
	19:13:00	19:13:00		52.6	66.3	53.2	52.1
	19:14:00	19:14:00		53.3	68.1	53.8	52.4
	19:15:00	19:15:00		53.2	67.9	53.7	52.8
	19:16:00	19:16:00		53.6	71.1	55.6	52.7
	19:17:00	19:17:00		53.5	69.5	54.2	52.6
	19:18:00	19:18:00		53.8	71.6	54.4	53.4
	19:19:00	19:19:00		53.6	67.7	54	53.3
	19:20:00	19:20:00		53.6	70.4	54.5	52.5
	19:21:00	19:21:00		53.9	69.8	55	53.2
	19:22:00	19:22:00		54.1	69.2	55.6	53.5
	19:23:00	19:23:00		54.3	68.5	55.4	53.7
	19:24:00	19:24:00		53.7	67.5	55.1	53.1
	19:25:00	19:25:00		53.2	67.4	53.6	52.5
	19:26:00	19:26:00		53.5	67.3	55.3	52.8
	19:27:00	19:27:00		54.2	68.4	55.3	53.5
	19:28:00	19:28:00		54.4	77.6	58.2	53.7
	19:29:00	19:29:00		54.5	69.2	57.7	53.6
	19:30:00	19:30:00		53.9	67.7	55.3	53.5
	19:31:00	19:31:00		54	67.8	54.6	53.4
	19:32:00	19:32:00		55.1	70.8	59.3	53.8
	19:33:00	19:33:00		54.8	70.6	55.9	54
	19:34:00	19:34:00		54.6	69	55.6	53.9
	19:35:00	19:35:00		53.9	69.6	54.5	53.4
	19:36:00	19:36:00		53.9	68.1	54.6	53.4
	19:37:00	19:37:00		53.9	71.4	56.6	53.3
	19:38:00	19:38:00		53.5	68.7	55.3	53
	19:39:00	19:39:00		54.2	68	55.2	53
	19:40:00	19:40:00		53.5	66.9	54.2	52.6
	19:41:00	19:41:00		53.3	68.4	53.7	52.7
	19:42:00	19:42:00		53.9	69.3	55.1	53.3
	19:43:00	19:43:00		53.9	69.1	55	53.2
	19:44:00	19:44:00		54.8	72.7	59.5	53.1
	19:45:00	19:45:00		55.3	75.9	62.6	53.6
	19:46:00	19:46:00		53.5	68.5	54.6	52.5
	19:47:00	19:47:00		52.9	67.4	54	52.3

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	19:48:00	19:48:00		52.8	68.6	53.7	52
	19:49:00	19:49:00		53.3	68.3	54.1	52.4
	19:50:00	19:50:00		53.5	67.8	54.9	52.6
	19:51:00	19:51:00		54.5	82.8	63.6	52.6
	19:52:00	19:52:00		53.1	67.5	53.5	52.6
	19:53:00	19:53:00		54.3	70.6	59.4	52.8
	19:54:00	19:54:00		53	67.2	53.7	52.2
	19:55:00	19:55:00		52.7	69.2	53.2	52.1
	19:56:00	19:56:00		52.7	70	54	52.2
	19:57:00	19:57:00		52.7	65.8	53.1	52.4
	19:58:00	19:58:00		52.8	67.1	53.3	52.3
	19:59:00	19:59:00		52.4	65.8	53.1	51.8
	20:00:00	20:00:00		52.3	69.5	52.8	51.7
	20:01:00	20:01:00		52.4	66.9	53.1	51.7
	20:02:00	20:02:00		52.7	68.9	54.6	52.1
	20:03:00	20:03:00		53.1	67.5	53.4	52.7
	20:04:00	20:04:00		53.3	66.5	53.8	52.8
	20:05:00	20:05:00		53	67.3	53.3	52.7
	20:06:00	20:06:00		53	66	53.5	52.5
	20:07:00	20:07:00		52.9	66.7	53.4	52.5
	20:08:00	20:08:00		53.1	68.6	54.3	52.7
	20:09:00	20:09:00		52.9	67.4	53.3	52.4
	20:10:00	20:10:00		53.5	69.8	56.9	52.5
	20:11:00	20:11:00		53.4	68.5	54.5	52.4
	20:12:00	20:12:00		52.5	66	53.1	51.8
	20:13:00	20:13:00		53	68.9	54.9	52.3
	20:14:00	20:14:00		53.7	67.1	54.4	53.1
	20:15:00	20:15:00		53.9	68.2	54.8	53
	20:16:00	20:16:00		54.4	71.6	56.3	53.6
	20:17:00	20:17:00		53.4	68.1	54.8	52.2
	20:18:00	20:18:00		53.3	68.2	54.7	52.2
	20:19:00	20:19:00		53.9	68.3	54.9	53.1
	20:20:00	20:20:00		54.4	70.8	56.4	53.2
	20:21:00	20:21:00		53.5	67.5	54.4	52.7
	20:22:00	20:22:00		53.4	67.7	54.4	52.4
	20:23:00	20:23:00		53.6	75.1	55	52
	20:24:00	20:24:00		53.7	71.3	55.4	52.9
	20:25:00	20:25:00		53.7	79.7	61	52.3
	20:26:00	20:26:00		54.2	72.9	56.7	52.9
	20:27:00	20:27:00		53.9	73	55.9	52.8
	20:28:00	20:28:00		53.7	71	55	52.7
	20:29:00	20:29:00		53.7	75.2	57	52.7
	20:30:00	20:30:00		54.3	75.6	58.7	52.6
	20:31:00	20:31:00		54	74.7	57.7	52.4
	20:32:00	20:32:00		53.5	72.2	58.4	52.1
	20:33:00	20:33:00		52.6	69	54.3	52.1
	20:34:00	20:34:00		53	67	54	52.2
	20:35:00	20:35:00		53.1	67.9	54	52.4
	20:36:00	20:36:00		53.2	69.8	56.2	52.2
	20:37:00	20:37:00		54.3	75.6	59.8	53
	20:38:00	20:38:00		54	68.9	56.8	52.8
	20:39:00	20:39:00		53.9	69.6	55.7	52.9
	20:40:00	20:40:00		53.7	70.2	55.9	52.9
	20:41:00	20:41:00		54.8	73.9	57	53.6
	20:42:00	20:42:00		56.8	81.4	64.4	54.1
	20:43:00	20:43:00		54.3	71.8	56.1	53.2
	20:44:00	20:44:00		54.4	76.4	59.2	52.7
	20:45:00	20:45:00		53.5	68.6	55	52.6
	20:46:00	20:46:00		53.2	67.3	54.5	52.8
	20:47:00	20:47:00		53.1	68	54.1	52.7
	20:48:00	20:48:00		53.8	68.8	55.4	53
	20:49:00	20:49:00		53.2	68.4	55.7	52.2
	20:50:00	20:50:00		54.1	72.3	56.6	52.3
	20:51:00	20:51:00		54.4	76.7	59.3	52.5
	20:52:00	20:52:00		54.8	74.5	59.3	52.3
	20:53:00	20:53:00		54.4	72.2	57.3	52.6

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	20:54:00	20:54:00		54.3	74.2	57.3	51.5
	20:55:00	20:55:00		53.5	68.7	56	51.5
	20:56:00	20:56:00		54.2	75.3	58.4	52.5
	20:57:00	20:57:00		53.9	70.9	56.3	52.8
	20:58:00	20:58:00		54.2	74.5	57.8	52.4
	20:59:00	20:59:00		53.5	72.4	58.1	52
	21:00:00	21:00:00		53.4	67.8	55.8	52.3
	21:01:00	21:01:00		53.7	73.1	55.8	52.2
	21:02:00	21:02:00		53.9	73.9	57.5	52.5
	21:03:00	21:03:00		54.7	75.6	57.1	52.8
	21:04:00	21:04:00		54.8	78	58.3	52.6
	21:05:00	21:05:00		54.4	75.4	57.8	52.3
	21:06:00	21:06:00		53.6	69.6	56.2	52.4
	21:07:00	21:07:00		53.9	74.9	57.5	52.4
	21:08:00	21:08:00		53.6	72.8	55.6	52
	21:09:00	21:09:00		53.1	74.1	55	51.9
	21:10:00	21:10:00		52.9	74.5	55.1	51.8
	21:11:00	21:11:00		54.1	74.3	57.5	51.9
	21:12:00	21:12:00		53.6	73.7	56.7	52
	21:13:00	21:13:00		52.5	69.8	53.9	51.5
	21:14:00	21:14:00		52.4	66.5	54	51.4
	21:15:00	21:15:00		53.3	73.9	56.7	51.1
	21:16:00	21:16:00		52.6	67.2	54.4	51.8
	21:17:00	21:17:00		52.7	72.7	55.5	52.1
	21:18:00	21:18:00		54.2	72.9	56.7	52.5
	21:19:00	21:19:00		54.1	71.2	56	52.7
	21:20:00	21:20:00		53.6	69.8	55.4	52.6
	21:21:00	21:21:00		53.4	68.5	55.4	52.3
	21:22:00	21:22:00		53.9	70.4	56.8	52.3
	21:23:00	21:23:00		53.7	73.4	56	52.4
	21:24:00	21:24:00		54.4	73.4	56.6	52.3
	21:25:00	21:25:00		53.9	70.8	56.1	52.5
	21:26:00	21:26:00		53.3	74.3	55.3	52.2
	21:27:00	21:27:00		53.7	75.1	56.2	52.4
	21:28:00	21:28:00		54.2	75.3	56.2	52.7
	21:29:00	21:29:00		53.7	74.7	56.4	52.4
	21:30:00	21:30:00		53.9	74.3	55.9	52.2
	21:31:00	21:31:00		54.1	74.3	57	51.8
	21:32:00	21:32:00		54.4	81.4	60.9	52.3
	21:33:00	21:33:00		54.9	85.5	65.4	52.3
	21:34:00	21:34:00		53.9	78.3	61.1	52
	21:35:00	21:35:00		53.1	71.9	56.9	52
	21:36:00	21:36:00		54.1	75.9	58.6	52
	21:37:00	21:37:00		54.1	72.6	55.9	52.7
	21:38:00	21:38:00		54.2	78.7	62.6	51.8
	21:39:00	21:39:00		53	71.5	55.1	51.7
	21:40:00	21:40:00		54.4	78.1	62	52.4
	21:41:00	21:41:00		56.4	77.6	59.9	51.7
	21:42:00	21:42:00		57.1	83.3	65.6	51.5
	21:43:00	21:43:00		53	74.6	57.3	51.6
	21:44:00	21:44:00		53.3	72.9	56.8	51.9
	21:45:00	21:45:00		52.4	74.1	54.6	51.2
	21:46:00	21:46:00		52.4	69.2	55.2	51.1
	21:47:00	21:47:00		52.1	68.6	54.9	50.8
	21:48:00	21:48:00		53	75.3	58	50.8
	21:49:00	21:49:00		52.8	72.5	55.8	51.9
	21:50:00	21:50:00		53.1	74.4	57.4	51.8
	21:51:00	21:51:00		53.1	67.3	55	51.6
	21:52:00	21:52:00		53.3	74.6	57.2	51.5
	21:53:00	21:53:00		52.9	74.1	57.2	51.3
	21:54:00	21:54:00		53.5	74.8	57.9	52
	21:55:00	21:55:00		53.2	74	55	51.7
	21:56:00	21:56:00		53.1	71.8	56.2	52
	21:57:00	21:57:00		53.4	74.9	58.8	51.8
	21:58:00	21:58:00		54.3	78	60.6	51.5
	21:59:00	21:59:00		52.5	75	57.9	51.1

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	22:00:00	22:00:00		52.1	67.1	54.2	51.1
	22:01:00	22:01:00		52.9	72.8	56.1	51.5
	22:02:00	22:02:00		53.6	75.7	57.7	51.6
	22:03:00	22:03:00		55.8	76.9	59.6	52.3
	22:04:00	22:04:00		53.3	70.3	57.2	51.6
	22:05:00	22:05:00		55.2	82.9	62.1	53
	22:06:00	22:06:00		54.3	80.1	60	52.4
	22:07:00	22:07:00		53.6	74	58.7	52.2
	22:08:00	22:08:00		54.5	80.6	63	52.5
	22:09:00	22:09:00		53	73.1	54.9	51.7
	22:10:00	22:10:00		54.6	71.8	57	52.5
	22:11:00	22:11:00		53.1	75.1	55.4	51.8
	22:12:00	22:12:00		52.8	73	55.3	51.7
	22:13:00	22:13:00		53.5	73.6	56	51.5
	22:14:00	22:14:00		52.9	71.2	54.9	51.9
	22:15:00	22:15:00		54	70.2	59.7	52.2
	22:16:00	22:16:00		53.5	72.8	56.1	52.6
	22:17:00	22:17:00		53.8	71.2	57	52.3
	22:18:00	22:18:00		52.9	68.9	54.9	51.6
	22:19:00	22:19:00		59.8	82.6	66	51.6
	22:20:00	22:20:00		52	65.9	53.4	51
	22:21:00	22:21:00		53.6	76.8	61.1	51.4
	22:22:00	22:22:00		52.7	70.9	56.7	50.9
	22:23:00	22:23:00		53.4	77.4	60.8	51.4
	22:24:00	22:24:00		53.3	76.7	59.4	51.9
	22:25:00	22:25:00		55	79.9	62.3	51.6
	22:26:00	22:26:00		53.1	76.6	60.3	51.1
	22:27:00	22:27:00		52.5	71.4	55.5	50.9
	22:28:00	22:28:00		53.1	74.7	57.9	51.7
	22:29:00	22:29:00		53.9	72.6	57.1	51.5
	22:30:00	22:30:00		52.6	68.4	55.6	51.3
	22:31:00	22:31:00		51.9	65.6	52.8	51.2
	22:32:00	22:32:00		52.6	67.7	54.8	51.6
	22:33:00	22:33:00		52.4	66.7	53.9	51.5
	22:34:00	22:34:00		51.8	65.9	52.7	50.7
	22:35:00	22:35:00		51.2	65.5	51.9	50.2
	22:36:00	22:36:00		51	65.3	51.6	50.5
	22:37:00	22:37:00		51.9	69	55.1	50.7
	22:38:00	22:38:00		51.8	69.1	54.4	50.6
	22:39:00	22:39:00		53	71.4	56.2	51.2
	22:40:00	22:40:00		53.4	73.7	58	50.9
	22:41:00	22:41:00		51.6	65.1	52.8	50.8
	22:42:00	22:42:00		53.4	67.4	55	51.9
	22:43:00	22:43:00		52.5	70.1	55.6	50.6
	22:44:00	22:44:00		53.4	69.7	55.7	50.9
	22:45:00	22:45:00		52.7	72.7	56	51.4
	22:46:00	22:46:00		52.5	65.8	53.2	51.5
	22:47:00	22:47:00		53.9	78.2	59.4	52.2
	22:48:00	22:48:00		53.8	77.7	59.1	51.9
	22:49:00	22:49:00		52.6	71.7	55.9	51.3
	22:50:00	22:50:00		53.4	73.3	56.9	51.8
	22:51:00	22:51:00		53.2	71.1	56.9	52.1
	22:52:00	22:52:00		53.9	74.9	57.8	51.2
	22:53:00	22:53:00		52.5	72.2	55.5	51.2
	22:54:00	22:54:00		52.6	71.5	56.6	51.2
	22:55:00	22:55:00		51.9	67.4	52.7	50.7
	22:56:00	22:56:00		52.3	66.9	52.9	51.4
	22:57:00	22:57:00		52	68.2	53.5	50.4
	22:58:00	22:58:00		55.3	74.8	60	51
	22:59:00	22:59:00		54	79	62.8	51.6
	23:00:00	23:00:00		52.7	70.3	56.6	51.5
	23:01:00	23:01:00		53.3	74.7	58.9	51.9
	23:02:00	23:02:00		52	65.9	53.4	50.4
	23:03:00	23:03:00		51.9	67.5	53.1	50.3
	23:04:00	23:04:00		51.9	71.1	54.3	50.8
	23:05:00	23:05:00		52	69.4	54.3	50.7

Ambient Noise Data

Receptor 1 (R1)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	23:06:00	23:06:00		52.6	68.3	54.8	51.6
	23:07:00	23:07:00		53.3	69.9	54.5	52.4
	23:08:00	23:08:00		53	68.2	54.8	51.7
	23:09:00	23:09:00		53.8	74.1	58.8	52.3
	23:10:00	23:10:00		52.6	68.8	53.8	51.6
	23:11:00	23:11:00		53.5	70.2	55.4	52.2
	23:12:00	23:12:00		53.4	73.2	57.4	51.8
	23:13:00	23:13:00		54.5	71.6	56.4	52.5
	23:14:00	23:14:00		54	69.9	56.7	52.4
	23:15:00	23:15:00		53.1	74.4	58.2	51.3
	23:16:00	23:16:00		53.8	75.5	59.9	51.7
	23:17:00	23:17:00		52.8	68.3	55.9	51.7
	23:18:00	23:18:00		53.2	69.2	55	52.1
	23:19:00	23:19:00		54.6	81.7	61.6	52.4
	23:20:00	23:20:00		54.3	72.9	59.2	52.4
	23:21:00	23:21:00		54	73.6	56.7	53
	23:22:00	23:22:00		53.6	79.6	59.7	52
	23:23:00	23:23:00		53.5	79	59.2	51.8
	23:24:00	23:24:00		53.1	71.5	54.8	51.6
	23:25:00	23:25:00		56.2	86.1	64.5	52.3
	23:26:00	23:26:00		55.6	82.3	61.6	53.3
	23:27:00	23:27:00		54	69.5	56.6	52.8
	23:28:00	23:28:00		54.6	72	57.7	52.9
	23:29:00	23:29:00		54.9	72.2	57.5	52.5
	23:30:00	23:30:00		54.2	70.8	56.8	52.1
	23:31:00	23:31:00		54.8	73.4	58.5	51.3
	23:32:00	23:32:00		56.9	82.8	67.5	50.8
	23:33:00	23:33:00		66	88.2	73	55.1
	23:34:00	23:34:00		54.8	71.1	59.4	52.7
	23:35:00	23:35:00		54.1	77.8	58	52.7
	23:36:00	23:36:00		53.4	68.5	56.4	51.9
	23:37:00	23:37:00		52.7	67.9	54.8	51.5
	23:38:00	23:38:00		52.9	70.4	55.3	51.4
	23:39:00	23:39:00		53	66.8	54	52.2
	23:40:00	23:40:00		54.4	78.9	60.5	52.3
	23:41:00	23:41:00		53.8	76.1	57.8	52.6
	23:42:00	23:42:00		53.6	71.9	56.9	52.4
	23:43:00	23:43:00		58.1	74.8	62.2	53.2
	23:44:00	23:44:00		59.6	75.6	62.6	57.4
	23:45:00	23:45:00		55.8	71.6	58.8	52.9
	23:46:00	23:46:00		53.9	68.9	56	52.5
	23:47:00	23:47:00		55.1	79.1	62.4	51.4
	23:48:00	23:48:00		53.5	71	55.9	51.9
	23:49:00	23:49:00		54.8	75.1	58.9	53.4
	23:50:00	23:50:00		54.9	75.4	59.4	52.7
	23:51:00	23:51:00		55.1	77.3	60.7	52.5
	23:52:00	23:52:00		53.1	72.1	57.6	50.6
	23:53:00	23:53:00		52.5	66.4	54	51.3
	23:54:00	23:54:00		52.8	76.5	58.9	51
	23:55:00	23:55:00		53.9	73.2	58	51.4
	23:56:00	23:56:00		52.1	68.1	53.4	50.5
	23:57:00	23:57:00		52.1	72.4	54.7	51.1
	23:58:00	23:58:00		56.1	93	67.8	51.1
	23:59:00	23:59:00		53.1	78.5	59	50.7
	24:00:00	24:00:00		51.4	75.6	53.7	50.4

Ambient Noise Summary

Receptor 2 (R2)

Serial Number	BGI040008	UNIT REV	R12N
Start Time	10:16:21 13-Apr-2017		
Run Length	24:00:00 5529600		

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	120
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description		Units	Value
Pre-Cal	Level	dB	113.7
	Date		10:14:06 13-Apr-2017
Post-Cal	Level	dB	113.9
	Date		10:17:35 14-Apr-2017
ReCert	Date		Unavailable

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	90	85
Upper Limit Level	dB	140	140
Projected Time	Hrs	24	24
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1 Broadband	Meter 2 Broadband
Lavg	dB	57.1	57.1
Lmax	dB	82.7	82.7
Lmin	dB	32.7	32.7
Lpk	dB	104.5	104.5
TWA	dB	61.9	61.9
PTWA	dB	61.9	61.9
DOSE	%	0.15	0.48
PDOSE	%	0.15	0.48
SEL	dB	106.5	106.4
EXP	p2s	18	18

Ambient Noise Summary

Receptor 2 (R2)

Measurement	Units	Value
LDN	dB	64
CNEL	dB	63.9
TAKTMAX (5sec)	dB	N/A
LC-A	dB	N/A

Exceedence	Units	Value
L01	dB	66.4
L10	dB	60.4
L50	dB	53.8
L90	dB	46.9

		Meter 1			Meter 2		
		Count	Percent	Time	Count	Percent	Time
Overload	(OL)	0	0	00:00:00	0	0	00:00:00
Under-Range	(UR)	3600	0.06	00:00:56	3718	0.06	00:00:58
Upper Limit	(UL)	0	0	00:00:00	0	0	00:00:00

Exceedence Table

	0	1	2	3	4	5	6	7	8	9
0	82.7	66.4	64.9	63.9	63.2	62.7	62.2	61.7	61.3	60.8
10	60.4	60	59.6	59.3	59	58.7	58.4	58.2	58	57.7
20	57.5	57.3	57.1	57	56.8	56.6	56.5	56.3	56.2	56
30	55.9	55.7	55.6	55.5	55.4	55.3	55.1	55	54.9	54.8
40	54.7	54.6	54.5	54.4	54.3	54.2	54.1	54	53.9	53.9
50	53.8	53.7	53.6	53.5	53.4	53.3	53.2	53.1	53	52.9
60	52.8	52.7	52.6	52.4	52.3	52.2	52.1	51.9	51.8	51.6
70	51.5	51.3	51.2	51	50.8	50.7	50.5	50.3	50.1	49.9
80	49.6	49.4	49.1	48.9	48.6	48.3	48	47.8	47.5	47.2
90	46.9	46.6	46.1	45.7	45.2	44.7	44	43	41.7	39.7

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
Study 1	0:01:00	0:01:00		51.3	83.9	59.5	45.4
	0:02:00	0:02:00		57	76.9	63	49.2
	0:03:00	0:03:00		56.2	75.6	61.6	49.4
	0:04:00	0:04:00		55.7	74.9	61.2	50.4
	0:05:00	0:05:00		54.9	77.2	59.6	50
	0:06:00	0:06:00		57.2	77.9	63.5	50
	0:07:00	0:07:00		57.8	79.4	65.6	49.8
	0:08:00	0:08:00		59.2	79.5	66.1	48.5
	0:09:00	0:09:00		52.2	71.2	57.3	48.9
	0:10:00	0:10:00		50.7	66.7	54.1	47.4
	0:11:00	0:11:00		55.1	78.5	64	48.9
	0:12:00	0:12:00		57.7	82.8	66.5	50.7
	0:13:00	0:13:00		58.8	79.4	65.7	49.5
	0:14:00	0:14:00		51.4	68	53.3	49.5
	0:15:00	0:15:00		53	69.1	55.1	50.8
	0:16:00	0:16:00		57.1	79.7	64.1	48.5
	0:17:00	0:17:00		52.7	71.6	58.2	49.7
	0:18:00	0:18:00		58	78.8	66	50.9
	0:19:00	0:19:00		56	81.7	66	50.3
	0:20:00	0:20:00		54.5	73.2	59	50.2
	0:21:00	0:21:00		52.3	72.1	58.8	49.8
	0:22:00	0:22:00		54.1	77.3	60.7	50.3
	0:23:00	0:23:00		54.9	75.4	59.5	51.5
	0:24:00	0:24:00		51.4	67.2	54.8	49.1
	0:25:00	0:25:00		51	68.6	53.6	47.8
	0:26:00	0:26:00		51.4	69.2	56.5	48.7
	0:27:00	0:27:00		55.2	71.3	58.7	52.7
	0:28:00	0:28:00		54	72.2	59	50.4
	0:29:00	0:29:00		52.7	71.6	58.6	49.4
	0:30:00	0:30:00		52.8	75.8	57.8	49.9
	0:31:00	0:31:00		55.5	75.3	61.2	50.7
	0:32:00	0:32:00		58.7	85.7	68	50.4
	0:33:00	0:33:00		57.2	80.9	66	49.1
	0:34:00	0:34:00		56.5	77	63.9	50.1
	0:35:00	0:35:00		52.7	75.1	58.2	50.1
	0:36:00	0:36:00		53.4	74.9	58.3	50.3
	0:37:00	0:37:00		55.7	73	60	52.8
	0:38:00	0:38:00		56.6	77	63.1	52.8
	0:39:00	0:39:00		55.1	74.1	59.3	52
	0:40:00	0:40:00		53.8	72.1	59.6	48.5
	0:41:00	0:41:00		57.3	81.1	66	49
	0:42:00	0:42:00		56.1	80.6	62.2	48.8
	0:43:00	0:43:00		52.9	70.2	56.7	51.5
	0:44:00	0:44:00		54.5	71.2	56.3	51.1
	0:45:00	0:45:00		59.1	81.7	64.3	54.2
	0:46:00	0:46:00		52.9	71.6	58.6	48.6
	0:47:00	0:47:00		56.9	76.9	61.9	51.9
	0:48:00	0:48:00		56.9	80.6	64.9	50.4
	0:49:00	0:49:00		55.7	75.2	62.1	52.2
	0:50:00	0:50:00		54.6	71.3	58.2	51.1
	0:51:00	0:51:00		54.5	80.4	60	49.6
	0:52:00	0:52:00		55.1	75.4	61.7	49.7
	0:53:00	0:53:00		56.4	80	64.8	49.7
	0:54:00	0:54:00		57.8	82.9	67.5	49.9
	0:55:00	0:55:00		52.9	70.7	61.4	50.4
	0:56:00	0:56:00		54.9	73.4	61.2	51
	0:57:00	0:57:00		56.1	77.7	63.2	51.4
	0:58:00	0:58:00		56.8	79	62.7	51.2
	0:59:00	0:59:00		60	81.7	65.2	54.6
	1:00:00	1:00:00		56.8	74.2	60.5	51.8
	1:01:00	1:01:00		55.5	74	61.2	50
	1:02:00	1:02:00		53.6	72.6	56.7	50.8
	1:03:00	1:03:00		52.9	71.7	55.8	50.8
	1:04:00	1:04:00		55.5	78.4	61.2	52.1
	1:05:00	1:05:00		54.5	74.3	60	51.7

Start: 10:16:21 AM 4/13/2017
Stop: 10:16:21 AM 4/14/2017

24-Hour Measurement Summary

	Day	Evening	Night
Peak Hour:	63.5	56.2	58.6
Average Hour:	58.2	54.7	52.2

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	1:06:00	1:06:00		54	71.6	56.1	48.7
	1:07:00	1:07:00		55.2	72.6	58.3	49.6
	1:08:00	1:08:00		56.6	74.3	61.3	53.4
	1:09:00	1:09:00		58.6	78	63.2	53.3
	1:10:00	1:10:00		55.9	73.3	60.6	52.7
	1:11:00	1:11:00		60.1	84.3	67.6	53.4
	1:12:00	1:12:00		66.7	89.3	76.9	52.5
	1:13:00	1:13:00		54.7	80.2	59.3	50.2
	1:14:00	1:14:00		55.9	78.8	60.4	50.2
	1:15:00	1:15:00		55.2	71.7	58.8	53.2
	1:16:00	1:16:00		59.7	81.6	64.5	54.4
	1:17:00	1:17:00		56.5	75.1	61.6	52.8
	1:18:00	1:18:00		54.5	71.7	58	51.2
	1:19:00	1:19:00		52.2	68.8	56	49.1
	1:20:00	1:20:00		56	73.9	60.5	52
	1:21:00	1:21:00		57	77.3	64.5	52.7
	1:22:00	1:22:00		55.1	73	59.2	51.3
	1:23:00	1:23:00		57.8	81.8	66.8	51.9
	1:24:00	1:24:00		58.1	80.2	64.4	53.1
	1:25:00	1:25:00		54.8	74.6	58.9	52.5
	1:26:00	1:26:00		57	74.3	60.3	54.6
	1:27:00	1:27:00		57.8	78.3	63.4	54.1
	1:28:00	1:28:00		55.9	72.5	58.5	52.9
	1:29:00	1:29:00		54	72.8	56.4	50.6
	1:30:00	1:30:00		59.6	81.1	67.6	52.8
	1:31:00	1:31:00		56.3	74.3	60.6	52.7
	1:32:00	1:32:00		56.3	73.3	60.1	53.6
	1:33:00	1:33:00		63.3	86.3	69.9	54.9
	1:34:00	1:34:00		57.9	74.5	63.3	52.5
	1:35:00	1:35:00		56.2	82.9	63.5	53.2
	1:36:00	1:36:00		55.8	71.5	59.4	52.7
	1:37:00	1:37:00		57.1	73.2	60.3	53.2
	1:38:00	1:38:00		55.9	73.4	61	52.5
	1:39:00	1:39:00		61.5	86.1	68.5	54
	1:40:00	1:40:00		58.3	78.1	64.5	52.7
	1:41:00	1:41:00		56.6	79.1	63.2	53.7
	1:42:00	1:42:00		56.2	72.5	58.6	53.1
	1:43:00	1:43:00		55.9	72.9	59.9	52.1
	1:44:00	1:44:00		58.3	77.6	62.1	53.7
	1:45:00	1:45:00		55.9	71.9	58.6	53.2
	1:46:00	1:46:00		56.2	74.8	59.2	52.9
	1:47:00	1:47:00		58	82	65	52.4
	1:48:00	1:48:00		66.4	96.9	74.2	56.8
	1:49:00	1:49:00		58.9	87.5	66.1	55.1
	1:50:00	1:50:00		58.2	75.4	61.9	54.9
	1:51:00	1:51:00		57.9	76.6	62.9	54.8
	1:52:00	1:52:00		61.8	85.6	67	55.4
	1:53:00	1:53:00		60.4	83.2	67.1	54.4
	1:54:00	1:54:00		57.8	77.1	61.7	54.7
	1:55:00	1:55:00		60.3	88.9	65.6	56.9
	1:56:00	1:56:00		67.9	100.6	75.8	55.5
	1:57:00	1:57:00		61.6	83.1	69.8	53.4
	1:58:00	1:58:00		59.1	81	66.9	54.8
	1:59:00	1:59:00		56.7	80	62.3	53.8
	2:00:00	2:00:00		55.4	74.4	58.1	53.2
	2:01:00	2:01:00		55.3	70.5	57.2	52.7
	2:02:00	2:02:00		56	72.4	58.5	53.1
	2:03:00	2:03:00		56.5	72.2	59.3	54.3
	2:04:00	2:04:00		55.2	72.6	58.4	53
	2:05:00	2:05:00		57.8	73.4	59.7	55.3
	2:06:00	2:06:00		58.2	79.4	66.3	53.5
	2:07:00	2:07:00		58.8	77.5	63.6	54.4
	2:08:00	2:08:00		60.1	79.3	63.5	56.3
	2:09:00	2:09:00		58.7	81.1	64.5	53.8
	2:10:00	2:10:00		58	73.6	63.2	55.1
	2:11:00	2:11:00		61.6	80.1	66.8	53.4

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	2:12:00	2:12:00		57.8	79.7	64.8	51.9
	2:13:00	2:13:00		58.1	78.4	64.4	52.1
	2:14:00	2:14:00		58	79.1	65.8	53.2
	2:15:00	2:15:00		60.8	87.3	71.3	51.3
	2:16:00	2:16:00		58.5	78.7	67	53.8
	2:17:00	2:17:00		55.3	77.6	58.8	53.5
	2:18:00	2:18:00		55.9	76.1	63	51.4
	2:19:00	2:19:00		57.3	75.6	61.2	53.6
	2:20:00	2:20:00		56.3	77.9	64.8	50.9
	2:21:00	2:21:00		53	69.9	56	49.4
	2:22:00	2:22:00		59.1	79	65.4	49.8
	2:23:00	2:23:00		54.7	73	59.2	51.4
	2:24:00	2:24:00		54.4	71.3	58.7	49.3
	2:25:00	2:25:00		53.8	70.6	58	49.1
	2:26:00	2:26:00		52	68.8	54.3	49.3
	2:27:00	2:27:00		58.1	82.1	65.8	48.9
	2:28:00	2:28:00		55.5	77.4	61.9	51.1
	2:29:00	2:29:00		55.1	73	58.9	52.6
	2:30:00	2:30:00		53.4	70.5	57.9	50.3
	2:31:00	2:31:00		52.9	71.5	56.6	50
	2:32:00	2:32:00		53.9	71.1	58.4	51.1
	2:33:00	2:33:00		57.6	84.2	64.4	51.6
	2:34:00	2:34:00		55.3	75.4	61.6	51.4
	2:35:00	2:35:00		55.8	80.8	63.5	51
	2:36:00	2:36:00		57.1	78.7	65.1	50.4
	2:37:00	2:37:00		54.3	74	58.7	51.5
	2:38:00	2:38:00		54	75.5	60.5	50.4
	2:39:00	2:39:00		57.7	81.9	65.7	53.2
	2:40:00	2:40:00		54.8	71.9	61.9	51.5
	2:41:00	2:41:00		54.4	73.9	59.1	51.4
	2:42:00	2:42:00		59.7	82.1	65.5	51.1
	2:43:00	2:43:00		57.7	81.1	63.5	52.3
	2:44:00	2:44:00		54.3	73.1	60.5	50.8
	2:45:00	2:45:00		52.2	75	57.7	50.3
	2:46:00	2:46:00		58.9	84.6	67.8	51.6
	2:47:00	2:47:00		55.7	76	61.1	51.8
	2:48:00	2:48:00		59.4	78.3	65.5	53.5
	2:49:00	2:49:00		54.2	70.2	56.6	51.1
	2:50:00	2:50:00		59.9	82.1	67.9	53.7
	2:51:00	2:51:00		54.8	70.4	57.8	52.2
	2:52:00	2:52:00		56.5	76.3	63.3	52.1
	2:53:00	2:53:00		55.8	79.9	67.6	50.5
	2:54:00	2:54:00		59.2	85.7	69.9	53.1
	2:55:00	2:55:00		63.1	91.9	74.8	52.8
	2:56:00	2:56:00		57.1	74.1	59.7	54
	2:57:00	2:57:00		56	70.7	57.4	54.6
	2:58:00	2:58:00		57.2	73.8	59.1	54.8
	2:59:00	2:59:00		57.7	76	61.5	55.5
	3:00:00	3:00:00		57.5	73.9	60.3	55.5
	3:01:00	3:01:00		56.6	73	59.4	54.9
	3:02:00	3:02:00		58.3	76.3	60.9	56.6
	3:03:00	3:03:00		58.9	75.7	62.3	57
	3:04:00	3:04:00		59.2	77.9	64.1	56.6
	3:05:00	3:05:00		58.3	73	60.8	56.9
	3:06:00	3:06:00		62.5	82.8	69.5	57.9
	3:07:00	3:07:00		57.7	75.1	61	56.5
	3:08:00	3:08:00		58	78.7	62.7	56.9
	3:09:00	3:09:00		57.5	72.7	59.4	56.4
	3:10:00	3:10:00		58.2	73.5	60.7	55.2
	3:11:00	3:11:00		56.3	78.1	60.4	53.8
	3:12:00	3:12:00		55	81.3	61.7	52.1
	3:13:00	3:13:00		56.7	73.5	60.2	54
	3:14:00	3:14:00		60.3	82.3	67.6	56.1
	3:15:00	3:15:00		56	71.8	58.7	54
	3:16:00	3:16:00		57.1	80.9	65.9	52.8
	3:17:00	3:17:00		54.3	79	62	50.7

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	3:18:00	3:18:00		58	85.8	65.2	51.7
	3:19:00	3:19:00		56.6	76.9	62.6	52.6
	3:20:00	3:20:00		58.5	80.1	68.4	51.6
	3:21:00	3:21:00		62.9	87.7	70.9	52.2
	3:22:00	3:22:00		60.3	81.1	66.8	50.5
	3:23:00	3:23:00		54.5	71.1	58.2	52.3
	3:24:00	3:24:00		57.7	79.3	62.8	51.9
	3:25:00	3:25:00		54.9	78.8	58.5	52.3
	3:26:00	3:26:00		55.9	76.3	61.8	52.4
	3:27:00	3:27:00		56.8	74.8	61.6	53.5
	3:28:00	3:28:00		54.7	80.4	62	51
	3:29:00	3:29:00		54.9	77.5	63	50.4
	3:30:00	3:30:00		54.1	74.7	59.1	50.8
	3:31:00	3:31:00		57.1	75.9	61.8	52
	3:32:00	3:32:00		53	74.3	58.6	49.7
	3:33:00	3:33:00		54.7	76.7	61	50
	3:34:00	3:34:00		55.6	76.5	61.9	49.9
	3:35:00	3:35:00		54.9	83.1	61	49.7
	3:36:00	3:36:00		56	75.5	64.8	51.5
	3:37:00	3:37:00		54.5	71.9	63.5	51.5
	3:38:00	3:38:00		55.2	75.6	60.6	53.1
	3:39:00	3:39:00		57.7	77.9	64.1	53
	3:40:00	3:40:00		57.1	80.3	64.8	51.3
	3:41:00	3:41:00		54.2	72.1	59.2	51.6
	3:42:00	3:42:00		53.7	73	59.5	50.7
	3:43:00	3:43:00		55.2	73.1	60.1	52
	3:44:00	3:44:00		53.9	73.3	55.7	51.7
	3:45:00	3:45:00		56.4	81.8	63.3	51.5
	3:46:00	3:46:00		57.4	84.1	67.2	52.7
	3:47:00	3:47:00		55.5	75.4	66.4	51.7
	3:48:00	3:48:00		53.1	79.3	57.4	51.5
	3:49:00	3:49:00		58.8	81.8	67.9	48.3
	3:50:00	3:50:00		56.2	78.7	65.1	51.3
	3:51:00	3:51:00		56.9	79.2	65.6	50
	3:52:00	3:52:00		54	74	61.5	51.7
	3:53:00	3:53:00		56.5	80.1	66.7	51.8
	3:54:00	3:54:00		53.3	70.9	57.6	51.1
	3:55:00	3:55:00		56.5	80.3	64.8	49.6
	3:56:00	3:56:00		56.5	78.9	62.1	50.5
	3:57:00	3:57:00		56.9	77.6	61.8	50.9
	3:58:00	3:58:00		55.4	74.3	61.1	52.1
	3:59:00	3:59:00		60.8	83.6	72.1	52.3
	4:00:00	4:00:00		55	76.3	61.2	50.6
	4:01:00	4:01:00		53.3	73.7	57.1	50.9
	4:02:00	4:02:00		57.1	78	61.2	52.8
	4:03:00	4:03:00		56.9	79.2	62.6	51.5
	4:04:00	4:04:00		56.1	77.3	64	48.4
	4:05:00	4:05:00		53.9	72	58.9	50.1
	4:06:00	4:06:00		55.6	77.9	63.1	51.5
	4:07:00	4:07:00		59.2	78.8	63.8	53.7
	4:08:00	4:08:00		53.5	70.6	59	51
	4:09:00	4:09:00		54.6	76.7	58.5	51
	4:10:00	4:10:00		56.6	76.5	62.9	50.8
	4:11:00	4:11:00		56.6	75.6	60.5	53.5
	4:12:00	4:12:00		58.3	78.9	64.3	51.4
	4:13:00	4:13:00		53.2	74.1	57.4	50.2
	4:14:00	4:14:00		57.1	82.4	63.3	52.3
	4:15:00	4:15:00		54.3	79	59.2	51.5
	4:16:00	4:16:00		56.2	77.2	61.4	53.2
	4:17:00	4:17:00		58.5	79	66.9	52.3
	4:18:00	4:18:00		53.7	73.7	59.6	49.5
	4:19:00	4:19:00		53.6	71.9	59.5	49.1
	4:20:00	4:20:00		51.9	67.8	54.9	50.6
	4:21:00	4:21:00		56.2	84.6	63.1	50.1
	4:22:00	4:22:00		54.6	75.8	58.8	51.7
	4:23:00	4:23:00		58.6	78.6	63.5	53.3

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	4:24:00	4:24:00		55.4	76.2	58.9	51.9
	4:25:00	4:25:00		52.5	68.5	54.7	51.2
	4:26:00	4:26:00		54.2	77.4	62.5	50.6
	4:27:00	4:27:00		56.1	77.2	64	52.9
	4:28:00	4:28:00		55.7	74.9	61.2	53.5
	4:29:00	4:29:00		54.6	74.9	58.1	52.6
	4:30:00	4:30:00		54.6	74.1	59.3	51.8
	4:31:00	4:31:00		57.6	79.4	64.6	51.5
	4:32:00	4:32:00		54.9	72.9	59.3	51.2
	4:33:00	4:33:00		55.2	71.7	56.9	53.6
	4:34:00	4:34:00		64.8	86.4	74	55.1
	4:35:00	4:35:00		57.2	77.5	66	51.1
	4:36:00	4:36:00		56.7	75.5	63.4	51
	4:37:00	4:37:00		55.5	75.1	62.5	51.5
	4:38:00	4:38:00		55.8	72.9	60.2	50.9
	4:39:00	4:39:00		56.9	75.8	61.4	53.4
	4:40:00	4:40:00		61.1	84.7	70.9	52.8
	4:41:00	4:41:00		55.3	76.5	59.1	52.7
	4:42:00	4:42:00		53.2	68.6	55.5	51.7
	4:43:00	4:43:00		55.4	73.3	59.5	52.6
	4:44:00	4:44:00		59.9	82.7	68.4	53.3
	4:45:00	4:45:00		58.3	87.1	72.2	53.7
	4:46:00	4:46:00		63.6	90.7	77.4	52.2
	4:47:00	4:47:00		55.5	75.8	61.9	53.1
	4:48:00	4:48:00		59.2	81	65.5	54.9
	4:49:00	4:49:00		59.9	80	65	52.8
	4:50:00	4:50:00		54.4	76.2	58.9	52.3
	4:51:00	4:51:00		55.1	74.7	60.3	52.2
	4:52:00	4:52:00		61.6	81.4	69.3	54
	4:53:00	4:53:00		57.9	77.4	69.1	51.4
	4:54:00	4:54:00		57.9	82.5	70.2	49.6
	4:55:00	4:55:00		55.5	75.6	61.2	51.3
	4:56:00	4:56:00		55.1	74.5	60.5	52.5
	4:57:00	4:57:00		53.4	70.9	57.7	51.1
	4:58:00	4:58:00		57.7	75.8	62.6	53.9
	4:59:00	4:59:00		54.8	73.3	60.6	52.8
	5:00:00	5:00:00		53.7	75.8	59.6	50.6
	5:01:00	5:01:00		56.1	75.8	63.3	51.9
	5:02:00	5:02:00		54.9	74.6	59.1	51.1
	5:03:00	5:03:00		56	72.1	58.8	52.3
	5:04:00	5:04:00		56.3	74.8	62.3	52.7
	5:05:00	5:05:00		55	71	57.7	53.8
	5:06:00	5:06:00		58.3	82	64.2	53.1
	5:07:00	5:07:00		56.1	77	60.5	53.7
	5:08:00	5:08:00		53.9	71.1	56.3	52.5
	5:09:00	5:09:00		55.7	73.2	59.8	52.8
	5:10:00	5:10:00		60.7	82	70.8	51.5
	5:11:00	5:11:00		56.1	74.4	60.6	52.9
	5:12:00	5:12:00		55.3	73.9	61.1	51.5
	5:13:00	5:13:00		62.4	81.7	68.5	53.5
	5:14:00	5:14:00		52.5	68.5	55.5	50.5
	5:15:00	5:15:00		53.5	71.4	57.9	50.4
	5:16:00	5:16:00		56	77	62.6	52.5
	5:17:00	5:17:00		54.6	72.6	60.2	51.8
	5:18:00	5:18:00		54.1	72.6	57.7	51.9
	5:19:00	5:19:00		56	74.9	61.7	52.4
	5:20:00	5:20:00		56.1	75.6	64.5	51
	5:21:00	5:21:00		55.5	74.5	60.7	51.6
	5:22:00	5:22:00		53.5	73.6	59.6	50.9
	5:23:00	5:23:00		53.1	77.2	58.5	51
	5:24:00	5:24:00		55.3	79.3	61.1	51.3
	5:25:00	5:25:00		53.3	75.2	62.6	49
	5:26:00	5:26:00		53.7	74.9	58.9	50.7
	5:27:00	5:27:00		56	77	63.5	50.7
	5:28:00	5:28:00		55.9	78.2	61.4	52
	5:29:00	5:29:00		55.4	73	57.8	52.6

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	5:30:00	5:30:00		57.5	76.9	62.6	54.1
	5:31:00	5:31:00		58	73	60.1	55.9
	5:32:00	5:32:00		56.8	77.5	61	53.8
	5:33:00	5:33:00		56.5	76	62.8	52.5
	5:34:00	5:34:00		56.1	74.9	60.1	53.2
	5:35:00	5:35:00		55.4	72.5	58.8	51.6
	5:36:00	5:36:00		54.2	71.5	56.7	51.7
	5:37:00	5:37:00		56.8	73.3	59.8	55
	5:38:00	5:38:00		58.1	78.1	65.1	53.9
	5:39:00	5:39:00		55.1	75.2	60.5	51.1
	5:40:00	5:40:00		54.1	70.1	56.1	52.3
	5:41:00	5:41:00		56.2	75.2	59.6	54.3
	5:42:00	5:42:00		57.1	79.2	64.3	53
	5:43:00	5:43:00		56.2	76.5	62.4	53.7
	5:44:00	5:44:00		55.9	74	60.3	51.3
	5:45:00	5:45:00		56.9	75.6	62.9	52.7
	5:46:00	5:46:00		57.2	77.7	61.4	52.8
	5:47:00	5:47:00		58.7	77.3	64.5	54.1
	5:48:00	5:48:00		57.1	75.4	63.1	53.9
	5:49:00	5:49:00		55.4	73	61.7	51.6
	5:50:00	5:50:00		55.7	75.6	60.8	51.3
	5:51:00	5:51:00		58.1	73.9	61	54.9
	5:52:00	5:52:00		58.4	76.1	63.8	55.2
	5:53:00	5:53:00		57.1	76.6	60.7	55.2
	5:54:00	5:54:00		56.7	74.6	59.4	54.9
	5:55:00	5:55:00		57.6	79.8	62.9	53.9
	5:56:00	5:56:00		56	73.9	59.9	52.8
	5:57:00	5:57:00		58.5	76.2	62.9	55.7
	5:58:00	5:58:00		56	73	59.8	52.3
	5:59:00	5:59:00		56.8	72.3	59.6	53.3
	6:00:00	6:00:00		57.1	75	60.9	53.8
	6:01:00	6:01:00		57.8	74.2	61.1	55.1
	6:02:00	6:02:00		56.5	72.3	59.7	53.3
	6:03:00	6:03:00		57.2	74.9	60.4	53.7
	6:04:00	6:04:00		60.4	82	65.1	57.3
	6:05:00	6:05:00		61.8	81.8	66	54.5
	6:06:00	6:06:00		55	71.1	59.3	53.2
	6:07:00	6:07:00		56.8	75.5	61.4	53.6
	6:08:00	6:08:00		56.1	76.1	60.7	53.1
	6:09:00	6:09:00		56.7	74.4	60.2	54.2
	6:10:00	6:10:00		54.2	70.2	56.9	52.2
	6:11:00	6:11:00		55.4	72.3	59.6	53.2
	6:12:00	6:12:00		57.1	72.6	59.5	52.9
	6:13:00	6:13:00		59.4	74.7	62	57.9
	6:14:00	6:14:00		57.8	78.8	66.8	52.7
	6:15:00	6:15:00		55.7	73.6	60.1	53.9
	6:16:00	6:16:00		55.5	70.1	57.9	53.5
	6:17:00	6:17:00		59.9	85	66.4	53.6
	6:18:00	6:18:00		56.2	75.1	60.9	54.1
	6:19:00	6:19:00		57.5	77.7	64.6	53
	6:20:00	6:20:00		57.1	77	65.3	52.4
	6:21:00	6:21:00		59	77.4	65.1	55.8
	6:22:00	6:22:00		58.3	76.5	62	55.4
	6:23:00	6:23:00		58.8	78.3	64.9	54.6
	6:24:00	6:24:00		56	72.1	57.9	53.9
	6:25:00	6:25:00		53.7	70.7	57.7	50.3
	6:26:00	6:26:00		56.5	75.3	61.2	50.2
	6:27:00	6:27:00		57.8	76.4	60.7	54.8
	6:28:00	6:28:00		53	70.6	58.5	49.1
	6:29:00	6:29:00		56.5	73.6	59.5	54.3
	6:30:00	6:30:00		56.7	73.1	59.1	54.5
	6:31:00	6:31:00		55.3	71.8	59.1	52.8
	6:32:00	6:32:00		56.7	80.8	61.2	54
	6:33:00	6:33:00		57.1	73.8	61.4	54.2
	6:34:00	6:34:00		56.5	74.4	60.6	53.9
	6:35:00	6:35:00		55.8	71.3	58.6	54.1

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	6:36:00	6:36:00		57.7	73.7	60.4	54.6
	6:37:00	6:37:00		55	72.2	56.9	52.6
	6:38:00	6:38:00		55.4	70.5	56.8	53.5
	6:39:00	6:39:00		57.4	77.4	63.2	52.3
	6:40:00	6:40:00		54.3	73	59.6	52
	6:41:00	6:41:00		53.6	68.2	55.3	51.9
	6:42:00	6:42:00		53.3	70.8	56.3	50.2
	6:43:00	6:43:00		53.5	68.5	55.8	50.7
	6:44:00	6:44:00		54.1	70.2	55.4	52.1
	6:45:00	6:45:00		55.9	72.2	59	53.3
	6:46:00	6:46:00		57.3	78.6	61.2	51
	6:47:00	6:47:00		59.5	76.4	63	57.4
	6:48:00	6:48:00		59	81.1	62.1	55.4
	6:49:00	6:49:00		55.9	70.6	57.8	53.7
	6:50:00	6:50:00		56.8	75.9	63.1	53.2
	6:51:00	6:51:00		53.3	67.1	60.7	51.2
	6:52:00	6:52:00		53.9	74.4	60.2	50.7
	6:53:00	6:53:00		53.1	74	59.8	49.3
	6:54:00	6:54:00		53.2	72.1	55.3	50.1
	6:55:00	6:55:00		54.5	71.1	57.1	51.8
	6:56:00	6:56:00		54.9	71.7	57.3	52.6
	6:57:00	6:57:00		54.2	72.1	56.9	52.2
	6:58:00	6:58:00		58.7	81.6	67.1	52
	6:59:00	6:59:00		54.9	77.2	56.3	53.4
	7:00:00	7:00:00		54.8	74.2	58.1	52.7
	7:01:00	7:01:00		57.5	74.6	62.2	53.2
	7:02:00	7:02:00		54.3	72.2	59.3	51.8
	7:03:00	7:03:00		55.5	76.3	62.3	52.1
	7:04:00	7:04:00		58	79.1	65.5	52.7
	7:05:00	7:05:00		55.2	71.6	57.8	52.2
	7:06:00	7:06:00		57.9	82.1	65.8	51.8
	7:07:00	7:07:00		52.7	68.3	54.7	50.9
	7:08:00	7:08:00		53	68.5	54.9	50.7
	7:09:00	7:09:00		54.8	70.3	56.3	53.2
	7:10:00	7:10:00		55.5	76	63	50.1
	7:11:00	7:11:00		55.5	72.7	57.3	54
	7:12:00	7:12:00		57.4	73.3	60.5	53.3
	7:13:00	7:13:00		57.3	73.1	59.1	55.2
	7:14:00	7:14:00		54	69.5	55.5	52.5
	7:15:00	7:15:00		54.5	70.6	56	53.1
	7:16:00	7:16:00		53	69	55	50.8
	7:17:00	7:17:00		55.3	73.1	59.5	52.1
	7:18:00	7:18:00		56	71.9	59.4	52.2
	7:19:00	7:19:00		56	72.7	57.9	54.5
	7:20:00	7:20:00		60.6	82.8	70	53.3
	7:21:00	7:21:00		56.7	76.5	62.8	53.5
	7:22:00	7:22:00		58.5	80.5	64	54.9
	7:23:00	7:23:00		59.2	79.9	65.9	55.4
	7:24:00	7:24:00		55.2	69.6	57	52.9
	7:25:00	7:25:00		56.1	71.9	58.9	52.9
	7:26:00	7:26:00		56.8	75.6	61.9	51.7
	7:27:00	7:27:00		56.1	71.2	58.9	54.2
	7:28:00	7:28:00		53.5	69.8	55.2	52
	7:29:00	7:29:00		55.8	73.5	60.8	52.1
	7:30:00	7:30:00		54.5	73.2	57	53
	7:31:00	7:31:00		54.2	70.3	56.2	52.3
	7:32:00	7:32:00		54.1	68.5	55.6	52.1
	7:33:00	7:33:00		54.5	70.7	57.1	51.9
	7:34:00	7:34:00		58.3	76	63.2	54.1
	7:35:00	7:35:00		57.8	80.7	66.8	52
	7:36:00	7:36:00		54.4	73.7	60.7	51.1
	7:37:00	7:37:00		53.8	71.1	57.2	51.4
	7:38:00	7:38:00		54.9	70.5	56.8	53.1
	7:39:00	7:39:00		55.2	72.4	58.8	53.3
	7:40:00	7:40:00		54.6	71	57.5	52.3
	7:41:00	7:41:00		55.4	72.3	58.7	53

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	7:42:00	7:42:00		54.1	70.1	56.2	51.6
	7:43:00	7:43:00		58.1	79	62.5	52.8
	7:44:00	7:44:00		55.6	75.8	61.8	52.3
	7:45:00	7:45:00		58.7	86	68.3	53
	7:46:00	7:46:00		55.1	70.2	57.3	52.1
	7:47:00	7:47:00		56.7	73.4	59.3	53.1
	7:48:00	7:48:00		56.3	77.2	64.2	53
	7:49:00	7:49:00		54.8	72	57.1	53.6
	7:50:00	7:50:00		54.2	70.3	55.6	52
	7:51:00	7:51:00		53.9	71.1	55.4	52.4
	7:52:00	7:52:00		56.4	75.1	61.5	53.8
	7:53:00	7:53:00		54.4	69.6	56.2	51.1
	7:54:00	7:54:00		53.5	70.1	55	52.5
	7:55:00	7:55:00		54.1	69.9	55.9	52.8
	7:56:00	7:56:00		55.9	77.7	62.8	52.4
	7:57:00	7:57:00		54.7	72.7	60	51.7
	7:58:00	7:58:00		53.9	72.4	57	51.3
	7:59:00	7:59:00		54.4	70.5	57.3	52
	8:00:00	8:00:00		56	73.1	60.9	50.8
	8:01:00	8:01:00		54.7	73.7	60.5	50.6
	8:02:00	8:02:00		54.1	69.2	56.7	52.3
	8:03:00	8:03:00		55.4	70.2	57.1	53.2
	8:04:00	8:04:00		60.7	79.7	67.8	53.2
	8:05:00	8:05:00		55.3	70.2	57.8	53
	8:06:00	8:06:00		55.6	73.6	59.7	53.5
	8:07:00	8:07:00		53.5	70.3	57.3	50.8
	8:08:00	8:08:00		53.7	68.1	55.5	51.9
	8:09:00	8:09:00		52.7	68.9	55.4	50.7
	8:10:00	8:10:00		55.4	77.9	62.5	51.8
	8:11:00	8:11:00		56	76.6	62	51.5
	8:12:00	8:12:00		54.9	71.5	61.4	51.2
	8:13:00	8:13:00		55.9	74.4	59.5	53.3
	8:14:00	8:14:00		57.9	82.1	66.5	52.3
	8:15:00	8:15:00		55.4	75.7	63.3	51.8
	8:16:00	8:16:00		54.2	70.8	56	52.6
	8:17:00	8:17:00		55.1	75.9	61.9	50.9
	8:18:00	8:18:00		53.6	71.8	56.3	52.2
	8:19:00	8:19:00		53.5	73.7	55.6	51.9
	8:20:00	8:20:00		53.9	68.8	55.9	52.4
	8:21:00	8:21:00		54.4	69.5	56.5	53.1
	8:22:00	8:22:00		53.3	68.5	55.1	51.4
	8:23:00	8:23:00		55.3	74	60.9	51.7
	8:24:00	8:24:00		54.3	69.7	56.6	52.8
	8:25:00	8:25:00		54.9	69.7	57.1	53.5
	8:26:00	8:26:00		54	71.2	56.5	50.1
	8:27:00	8:27:00		52.7	68.2	54.1	51.2
	8:28:00	8:28:00		53.4	69.7	57.1	51.1
	8:29:00	8:29:00		55.3	73.2	58.6	52.2
	8:30:00	8:30:00		58.7	81.5	63.9	53.7
	8:31:00	8:31:00		53.2	70	55.5	49.3
	8:32:00	8:32:00		52.9	69.9	55.7	50.9
	8:33:00	8:33:00		53.5	68.2	55.1	51.7
	8:34:00	8:34:00		55.4	70.2	58.1	52.8
	8:35:00	8:35:00		54.7	70.7	57.7	53
	8:36:00	8:36:00		59.3	83.2	69	51.6
	8:37:00	8:37:00		54.6	78.8	60.1	52.2
	8:38:00	8:38:00		53.8	69.5	56.4	51.1
	8:39:00	8:39:00		55.1	72.1	58.8	52.7
	8:40:00	8:40:00		55.6	77.7	62.1	53.1
	8:41:00	8:41:00		54.9	71.6	56.7	53.5
	8:42:00	8:42:00		54	69.4	56.7	51.7
	8:43:00	8:43:00		55.7	75.7	60.1	52.5
	8:44:00	8:44:00		52.3	74.6	55.3	49.8
	8:45:00	8:45:00		53.4	68.7	55.1	52.2
	8:46:00	8:46:00		52.8	68.3	55.1	49
	8:47:00	8:47:00		55	73.4	60.1	52

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	8:48:00	8:48:00		54.3	74.7	55.7	52.8
	8:49:00	8:49:00		54.9	73.4	56.7	52.8
	8:50:00	8:50:00		55	74.4	56.7	52.9
	8:51:00	8:51:00		54.9	75.6	57.8	52.9
	8:52:00	8:52:00		57.7	77.3	64.8	52.2
	8:53:00	8:53:00		53.9	70.3	55.9	51.4
	8:54:00	8:54:00		56.3	81	63.3	51.5
	8:55:00	8:55:00		53.7	69	55.5	51.9
	8:56:00	8:56:00		55.5	76	58.3	51.2
	8:57:00	8:57:00		55.8	75.9	58.4	53.6
	8:58:00	8:58:00		54.4	76	56.8	51.2
	8:59:00	8:59:00		54.2	75.6	56.3	50.9
	9:00:00	9:00:00		52.8	74.5	55.5	50.7
	9:01:00	9:01:00		53.5	76.5	60.5	50.9
	9:02:00	9:02:00		55.8	74.7	61.8	52.8
	9:03:00	9:03:00		55.1	74.9	60.4	53.3
	9:04:00	9:04:00		54.7	75.8	57.7	52.1
	9:05:00	9:05:00		56.5	86.1	67.5	50.2
	9:06:00	9:06:00		55.9	79.4	64.8	51.2
	9:07:00	9:07:00		53.1	73.8	54.6	49.7
	9:08:00	9:08:00		53.6	73.9	56.3	50.3
	9:09:00	9:09:00		56.7	80	64.1	51.9
	9:10:00	9:10:00		53.8	69	55.1	51.7
	9:11:00	9:11:00		54.7	76.3	59	52.1
	9:12:00	9:12:00		53.4	74.1	55.6	49.9
	9:13:00	9:13:00		52.8	73.7	55	49.3
	9:14:00	9:14:00		54.2	75.2	56.8	51.4
	9:15:00	9:15:00		52.9	73.1	54.4	50
	9:16:00	9:16:00		52.7	73.3	54.7	49.5
	9:17:00	9:17:00		51.5	72.9	53.8	49.9
	9:18:00	9:18:00		50.7	73.1	52.9	48.5
	9:19:00	9:19:00		57.1	81.1	67.9	48
	9:20:00	9:20:00		52.9	74.8	62.3	46
	9:21:00	9:21:00		48.9	70.6	51.4	46.9
	9:22:00	9:22:00		48.5	72.5	51.3	46.1
	9:23:00	9:23:00		48.4	72.5	51.5	46.5
	9:24:00	9:24:00		48.9	74.2	51.8	45.4
	9:25:00	9:25:00		51.5	76.7	60.8	43.9
	9:26:00	9:26:00		47.4	73.6	50.9	44.7
	9:27:00	9:27:00		53.9	76.4	63.7	43.7
	9:28:00	9:28:00		45.5	71.9	49.6	42.5
	9:29:00	9:29:00		45.3	70.6	49	43.1
	9:30:00	9:30:00		47.4	72.4	51.3	43.6
	9:31:00	9:31:00		44.9	59	46.2	43.9
	9:32:00	9:32:00		46.2	62.3	48	44.8
	9:33:00	9:33:00		47.4	73	50.8	45
	9:34:00	9:34:00		46.9	72.5	51	44.8
	9:35:00	9:35:00		51.4	73.6	60.4	43.8
	9:36:00	9:36:00		46.2	66.3	53.1	44.1
	9:37:00	9:37:00		53.7	82.3	64.4	45.1
	9:38:00	9:38:00		65.6	91.6	78.2	44.6
	9:39:00	9:39:00		50.2	72.2	54.1	46.7
	9:40:00	9:40:00		47.8	72.4	51.5	44.4
	9:41:00	9:41:00		47	73.2	50.9	43.7
	9:42:00	9:42:00		45.8	73.4	50.8	42.4
	9:43:00	9:43:00		46.2	72.4	51	43.2
	9:44:00	9:44:00		49	73.3	52.3	44.8
	9:45:00	9:45:00		49.9	74.7	53.4	45.8
	9:46:00	9:46:00		48.9	74.4	53.7	46.8
	9:47:00	9:47:00		47.8	66.6	50.9	45.9
	9:48:00	9:48:00		47.6	65.6	52.3	44.3
	9:49:00	9:49:00		56.3	79.8	66	44.5
	9:50:00	9:50:00		48.9	65.2	51.1	47.6
	9:51:00	9:51:00		48.6	70	50.1	47
	9:52:00	9:52:00		50.4	72	52.9	47.9
	9:53:00	9:53:00		52.3	74	56	47.7

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	9:54:00	9:54:00		52.1	73	55.3	49.7
	9:55:00	9:55:00		52.8	72	54.2	50.4
	9:56:00	9:56:00		52.8	71.3	56	49.1
	9:57:00	9:57:00		50.5	73.6	52.2	49
	9:58:00	9:58:00		48.2	63.3	51	45.7
	9:59:00	9:59:00		46.8	62.1	48.4	45.3
	10:00:00	10:00:00		47.4	61.9	48.6	44.9
	10:01:00	10:01:00		47.7	66.4	53.2	46.2
	10:02:00	10:02:00		52.2	82.8	60.3	47.2
	10:03:00	10:03:00		51.7	67.5	53.9	50
	10:04:00	10:04:00		54.4	75.8	62.8	48.9
	10:05:00	10:05:00		55.2	78.6	63.8	50.4
	10:06:00	10:06:00		57.3	80.4	66.9	50.2
	10:07:00	10:07:00		51.7	70	53.3	49.7
	10:08:00	10:08:00		53	68.2	54.9	50.8
	10:09:00	10:09:00		53.1	71	55.5	50.4
	10:10:00	10:10:00		59.5	83.4	68.6	50.6
	10:11:00	10:11:00		52.3	70.9	53.9	50.8
	10:12:00	10:12:00		52.3	70.7	54	49.7
	10:13:00	10:13:00		51.2	72.8	53.2	48.3
	10:14:00	10:14:00		51	71.4	53	48.3
	10:15:00	10:15:00		52.1	67.1	53.9	50.3
	10:16:00	10:16:00		51.6	69.8	54.3	48.9
	10:17:00	10:17:00		53.6	68.9	55.7	51.2
	10:18:00	10:18:00		56.5	72	59.4	53.1
	10:19:00	10:19:00		58.6	79.9	65.2	54.6
	10:20:00	10:20:00		55.3	71.3	57.8	53
	10:21:00	10:21:00		56.3	72.2	58.9	53.5
	10:22:00	10:22:00		56.3	72.3	58.8	53.1
	10:23:00	10:23:00		52.1	67.5	54	50
	10:24:00	10:24:00		54.6	71.6	58.7	49.7
	10:25:00	10:25:00		55	70.5	58.2	49.3
	10:26:00	10:26:00		52.3	68.6	55.1	48.3
	10:27:00	10:27:00		54.7	70.5	57.6	52
	10:28:00	10:28:00		55.8	71	57.7	53.2
	10:29:00	10:29:00		54.7	69.2	56.4	52.8
	10:30:00	10:30:00		54.5	70.8	56.7	52
	10:31:00	10:31:00		54.2	69	56.9	50.3
	10:32:00	10:32:00		52	72.4	55.3	48.4
	10:33:00	10:33:00		55.8	71.6	60.9	52.6
	10:34:00	10:34:00		56.5	72.9	58.2	54.3
	10:35:00	10:35:00		55.8	72.1	57.1	53.6
	10:36:00	10:36:00		55.6	72.4	59.4	53.2
	10:37:00	10:37:00		55.4	70.5	57.5	53.3
	10:38:00	10:38:00		55.4	72.1	58.4	53
	10:39:00	10:39:00		53.6	72.3	54.8	50.1
	10:40:00	10:40:00		52.7	70	55.7	49.8
	10:41:00	10:41:00		50.4	67.2	55.3	47.4
	10:42:00	10:42:00		51.5	67.1	54	48.5
	10:43:00	10:43:00		51.2	69.6	54.2	49.3
	10:44:00	10:44:00		53.6	68.2	55.2	50.1
	10:45:00	10:45:00		52.3	67.1	54.1	50.1
	10:46:00	10:46:00		51.8	66.4	53.6	48.6
	10:47:00	10:47:00		53.2	68.5	55.5	49.4
	10:48:00	10:48:00		51.2	71	54.8	48.1
	10:49:00	10:49:00		55.8	75.5	61.7	51.8
	10:50:00	10:50:00		53.7	68.4	55	51.1
	10:51:00	10:51:00		53.4	67.9	55.3	51.9
	10:52:00	10:52:00		53.4	71	55.2	51.4
	10:53:00	10:53:00		52.3	72.9	54.8	49.9
	10:54:00	10:54:00		54.3	71.9	56.6	52.5
	10:55:00	10:55:00		56.7	73.2	58.4	53.5
	10:56:00	10:56:00		56.2	71.6	58	53.3
	10:57:00	10:57:00		54.8	69.9	56.9	52.4
	10:58:00	10:58:00		53.9	70.3	57.9	51.1
	10:59:00	10:59:00		56	70.9	58.4	52.6

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	11:00:00	11:00:00		54.6	78.1	57.5	52.5
	11:01:00	11:01:00		55.1	74.5	60.6	50.4
	11:02:00	11:02:00		57.7	78.9	63.6	51.7
	11:03:00	11:03:00		53.6	69.2	55.9	49.8
	11:04:00	11:04:00		56.2	70.7	58.1	54.1
	11:05:00	11:05:00		55	70.4	58.4	51.1
	11:06:00	11:06:00		55.2	82	63.6	48.1
	11:07:00	11:07:00		53.8	70.4	57.5	50.5
	11:08:00	11:08:00		54.9	71.3	58	52.4
	11:09:00	11:09:00		55.3	70.2	57.5	53.3
	11:10:00	11:10:00		54.9	70.2	57.3	51.9
	11:11:00	11:11:00		55.1	72.4	57.4	51.4
	11:12:00	11:12:00		56	72.9	57.9	53.9
	11:13:00	11:13:00		55.3	72.4	58.3	52.2
	11:14:00	11:14:00		55	71.8	56.9	53.1
	11:15:00	11:15:00		54	69.9	55.8	52.7
	11:16:00	11:16:00		56.7	77	64.7	51.8
	11:17:00	11:17:00		53.8	69.7	56.6	51.2
	11:18:00	11:18:00		55.5	71.7	58.8	52.7
	11:19:00	11:19:00		53.5	68.8	56	50
	11:20:00	11:20:00		56.7	75.6	62.7	53.4
	11:21:00	11:21:00		56.3	70.9	58.2	53.1
	11:22:00	11:22:00		54.5	69.6	57.3	50.4
	11:23:00	11:23:00		53.1	69.1	55.1	50.5
	11:24:00	11:24:00		52.9	67.9	54.5	50.5
	11:25:00	11:25:00		54.3	69.8	57.1	50.5
	11:26:00	11:26:00		54.5	69.8	57.1	51.4
	11:27:00	11:27:00		55.7	72.2	59.9	53.5
	11:28:00	11:28:00		54.6	69.8	56.9	51.4
	11:29:00	11:29:00		54.5	72.3	59.3	50.2
	11:30:00	11:30:00		51.3	68.2	54	48.1
	11:31:00	11:31:00		51.3	66.3	53.5	49
	11:32:00	11:32:00		53.7	68.9	56.2	51.7
	11:33:00	11:33:00		50	66.1	53.2	46.3
	11:34:00	11:34:00		49	65.3	51.2	46.9
	11:35:00	11:35:00		52.1	77.7	63.6	44.5
	11:36:00	11:36:00		56.5	77.8	64.5	50.5
	11:37:00	11:37:00		51.2	67.4	53.6	48.6
	11:38:00	11:38:00		49.9	67.3	53.1	47.8
	11:39:00	11:39:00		50.5	65.4	52.8	49
	11:40:00	11:40:00		51.6	67.1	54.4	48.5
	11:41:00	11:41:00		52.7	68.7	55.7	49.4
	11:42:00	11:42:00		52	67	53.9	50.2
	11:43:00	11:43:00		51.6	66.8	53.6	48.9
	11:44:00	11:44:00		54.1	71.4	56.9	51.3
	11:45:00	11:45:00		56.5	72.7	59.5	53.3
	11:46:00	11:46:00		52.6	68.8	55.7	49.1
	11:47:00	11:47:00		50.3	66.7	54.2	46.9
	11:48:00	11:48:00		53	68.9	56.2	47.9
	11:49:00	11:49:00		52.9	68.4	55.6	50.2
	11:50:00	11:50:00		51.1	66.6	52.5	49.3
	11:51:00	11:51:00		56.6	79.1	62.3	50.3
	11:52:00	11:52:00		53.3	67.6	54.7	51.5
	11:53:00	11:53:00		53.3	67.8	54.7	51.3
	11:54:00	11:54:00		55.5	75.1	62.6	50.8
	11:55:00	11:55:00		58.3	82.4	62.6	52.1
	11:56:00	11:56:00		55.2	71.3	61	51.9
	11:57:00	11:57:00		55.7	72.5	58.5	53.1
	11:58:00	11:58:00		54.6	70.4	57.5	50.4
	11:59:00	11:59:00		54.9	70.9	58	50.6
	12:00:00	12:00:00		54	71.2	58.1	49.2
	12:01:00	12:01:00		53.4	69.7	55.9	50.2
	12:02:00	12:02:00		52.4	69.8	55.2	49.5
	12:03:00	12:03:00		54.4	70.2	56.6	52
	12:04:00	12:04:00		54.2	74.3	56.5	51.4
	12:05:00	12:05:00		54.1	68.6	55.9	52

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	12:06:00	12:06:00		55.1	69.4	57	52.3
	12:07:00	12:07:00		54.6	70.9	58.7	49.9
	12:08:00	12:08:00		56.8	72	59.1	54.6
	12:09:00	12:09:00		57.1	76	61.5	53.4
	12:10:00	12:10:00		55.7	74.8	59.1	51.5
	12:11:00	12:11:00		57.2	72.3	60	52.5
	12:12:00	12:12:00		52.4	70.2	55.9	48.6
	12:13:00	12:13:00		51.1	69.5	54	46.1
	12:14:00	12:14:00		49.4	67.7	52.6	43.4
	12:15:00	12:15:00		54.8	74.3	59.3	45.8
	12:16:00	12:16:00		54.9	76.3	60.6	51
	12:17:00	12:17:00		52.7	68.8	55.3	47.7
	12:18:00	12:18:00		50.1	71.8	54.3	47.4
	12:19:00	12:19:00		54.2	71.7	57.7	50.7
	12:20:00	12:20:00		56	72.6	60	51
	12:21:00	12:21:00		56.6	72	59.6	53.2
	12:22:00	12:22:00		54.7	70.8	57.5	52.5
	12:23:00	12:23:00		51.6	68.6	57.1	45.8
	12:24:00	12:24:00		51.5	67.8	54.2	46.2
	12:25:00	12:25:00		49.4	69.6	51.9	46.4
	12:26:00	12:26:00		50.4	67	54.1	45.2
	12:27:00	12:27:00		52.1	68.7	55	46.7
	12:28:00	12:28:00		51.1	77.4	54.9	47.8
	12:29:00	12:29:00		52	68.5	55	47.7
	12:30:00	12:30:00		49.3	67.9	53.7	44.9
	12:31:00	12:31:00		50.7	66.8	53.7	47.6
	12:32:00	12:32:00		50	68.2	54.6	44.5
	12:33:00	12:33:00		50.4	67.9	55.8	43.9
	12:34:00	12:34:00		49.9	66.5	52.4	47.8
	12:35:00	12:35:00		52	69.5	54.6	47
	12:36:00	12:36:00		50.4	69.1	54	46.7
	12:37:00	12:37:00		50.1	66.1	53.4	45.7
	12:38:00	12:38:00		49.6	65.8	52.3	45.3
	12:39:00	12:39:00		47.7	66.2	51.7	42.5
	12:40:00	12:40:00		50	66.2	53.3	46.6
	12:41:00	12:41:00		49.1	66.9	51.7	46.8
	12:42:00	12:42:00		52.2	69.5	57.1	46.7
	12:43:00	12:43:00		51.2	68.8	56.3	43.8
	12:44:00	12:44:00		49.9	67	53.2	43.8
	12:45:00	12:45:00		47.5	64.6	52.3	41.7
	12:46:00	12:46:00		42.9	62.2	45.1	40.1
	12:47:00	12:47:00		43.2	61.3	47.2	39.8
	12:48:00	12:48:00		45	65.7	50.4	41.8
	12:49:00	12:49:00		44.2	63	48.7	41.9
	12:50:00	12:50:00		46.1	64.9	52.1	41.5
	12:51:00	12:51:00		48.4	76.3	57.3	41.1
	12:52:00	12:52:00		45.3	67.9	51.6	40.4
	12:53:00	12:53:00		49.5	66.7	53.3	43.9
	12:54:00	12:54:00		51.5	68.6	56.8	44.9
	12:55:00	12:55:00		50.2	70.5	57	43.8
	12:56:00	12:56:00		47.6	65	51	41.4
	12:57:00	12:57:00		50.9	68.9	54.9	47.4
	12:58:00	12:58:00		52	68.9	56.5	46
	12:59:00	12:59:00		52.4	69	56.3	49.7
	13:00:00	13:00:00		51.5	68.9	54.9	46.1
	13:01:00	13:01:00		54.2	70.5	56.7	51.9
	13:02:00	13:02:00		56.6	77.2	61.2	52.4
	13:03:00	13:03:00		53.8	73.1	58.5	49.5
	13:04:00	13:04:00		52.9	71.3	55.8	48.4
	13:05:00	13:05:00		50.7	68.4	55.2	47.2
	13:06:00	13:06:00		50.2	66.9	52.1	47.4
	13:07:00	13:07:00		48.2	65.8	51.6	44.1
	13:08:00	13:08:00		47.6	65.9	49.9	43.5
	13:09:00	13:09:00		46.5	64	50.4	43.2
	13:10:00	13:10:00		49	69	54.5	43.7
	13:11:00	13:11:00		49.7	66.3	53.1	46

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	13:12:00	13:12:00		52	69.6	56.9	45.9
	13:13:00	13:13:00		49.3	68.1	54.5	44
	13:14:00	13:14:00		48	66.3	51.9	44.2
	13:15:00	13:15:00		51.8	69.8	57.3	45.1
	13:16:00	13:16:00		49.5	66	52.6	44.8
	13:17:00	13:17:00		50.9	65.7	52.6	47.8
	13:18:00	13:18:00		52.1	69.1	56.5	47.3
	13:19:00	13:19:00		48.8	67.7	52	43.2
	13:20:00	13:20:00		49.6	68	52	44.9
	13:21:00	13:21:00		49.8	64.8	51.9	46.9
	13:22:00	13:22:00		49.9	67.9	52.5	47
	13:23:00	13:23:00		51.9	68.2	55.2	48.8
	13:24:00	13:24:00		50.6	67.4	53.6	46.6
	13:25:00	13:25:00		49.6	65.5	52.5	47.1
	13:26:00	13:26:00		50	67.4	53.1	46.7
	13:27:00	13:27:00		50.6	66.8	53.1	47.7
	13:28:00	13:28:00		51.6	67.8	54.7	48
	13:29:00	13:29:00		51.1	68.5	53.5	48.1
	13:30:00	13:30:00		50.4	67.4	52.3	47.4
	13:31:00	13:31:00		47.1	66.9	53.1	42.3
	13:32:00	13:32:00		48.5	67.2	52.2	44.3
	13:33:00	13:33:00		51.4	70.3	56	45.3
	13:34:00	13:34:00		46.1	66.3	50.2	42.5
	13:35:00	13:35:00		47.6	65.9	51.7	44.4
	13:36:00	13:36:00		49.4	67.8	52.3	45
	13:37:00	13:37:00		48.8	68.8	53.4	44.8
	13:38:00	13:38:00		46	65	48.3	42.9
	13:39:00	13:39:00		43.1	62.5	48.1	38.9
	13:40:00	13:40:00		46.4	64.4	52.3	40.2
	13:41:00	13:41:00		46.3	64	49.8	40.9
	13:42:00	13:42:00		45.3	62.8	49	41
	13:43:00	13:43:00		43.7	62.2	47.5	39.7
	13:44:00	13:44:00		43.7	61.9	47.1	39.6
	13:45:00	13:45:00		45.3	63.8	51	40
	13:46:00	13:46:00		46.7	63.6	49.5	42.3
	13:47:00	13:47:00		45.6	63.4	49.3	42.6
	13:48:00	13:48:00		46.4	63.9	49.6	43
	13:49:00	13:49:00		48.3	65.6	53.2	42.6
	13:50:00	13:50:00		48.6	66.1	53.6	42
	13:51:00	13:51:00		48.7	66.2	52.1	42.6
	13:52:00	13:52:00		48.2	66.3	53.6	40.9
	13:53:00	13:53:00		50.8	65.7	53.6	47.7
	13:54:00	13:54:00		50.7	68.3	55.5	45.4
	13:55:00	13:55:00		48.9	65.3	52.5	44.8
	13:56:00	13:56:00		46.4	64.6	52.4	41.1
	13:57:00	13:57:00		45.4	64	50.3	40.3
	13:58:00	13:58:00		45.8	69	51.3	39.5
	13:59:00	13:59:00		50.1	69	56.2	41
	14:00:00	14:00:00		52.1	69.3	56.9	47.5
	14:01:00	14:01:00		47.1	66.3	52.6	40.6
	14:02:00	14:02:00		46.7	66.8	51	39.4
	14:03:00	14:03:00		47.2	66.5	52.9	41.7
	14:04:00	14:04:00		45.5	65.4	52.5	36.4
	14:05:00	14:05:00		47.5	64.9	51.6	41.7
	14:06:00	14:06:00		50.2	69.7	55.4	44.6
	14:07:00	14:07:00		43.3	63.8	47.9	39.6
	14:08:00	14:08:00		48.4	64.7	51.5	44.9
	14:09:00	14:09:00		47	65	49.9	41.5
	14:10:00	14:10:00		45.9	65.5	49.7	42.2
	14:11:00	14:11:00		49.6	66.4	54	44.4
	14:12:00	14:12:00		51.9	67.6	55.3	48.6
	14:13:00	14:13:00		48.8	67.1	52.2	44.8
	14:14:00	14:14:00		55.5	82.1	67.1	42.4
	14:15:00	14:15:00		49.3	72.3	61.2	36.9
	14:16:00	14:16:00		56.3	78.6	64.8	41.4
	14:17:00	14:17:00		44.7	62.5	48.7	41

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	14:18:00	14:18:00		46.6	62.5	49.7	43.2
	14:19:00	14:19:00		48.6	67.5	54.2	42.3
	14:20:00	14:20:00		53.3	70.4	57.1	45.5
	14:21:00	14:21:00		51.3	68.5	56.1	43.2
	14:22:00	14:22:00		46.7	64.5	50.1	42
	14:23:00	14:23:00		48.5	65.6	52	43.6
	14:24:00	14:24:00		53.7	71	57.7	48.6
	14:25:00	14:25:00		51.4	67.9	55.3	46.6
	14:26:00	14:26:00		59.5	83.4	67.8	48.8
	14:27:00	14:27:00		55	70.7	58.2	52
	14:28:00	14:28:00		54.9	69.9	57	52
	14:29:00	14:29:00		51.6	68.5	56.9	44
	14:30:00	14:30:00		47.6	64.3	49.4	44
	14:31:00	14:31:00		48.2	66.9	51.7	44.8
	14:32:00	14:32:00		49.3	68.9	55.7	43.8
	14:33:00	14:33:00		50.5	68.4	56.2	43.3
	14:34:00	14:34:00		53.1	70	56.5	47.6
	14:35:00	14:35:00		48.5	64.8	51.9	42.9
	14:36:00	14:36:00		49.1	68.3	52.2	46.1
	14:37:00	14:37:00		49	69.8	55.7	42.2
	14:38:00	14:38:00		52.2	69.9	56.9	46.8
	14:39:00	14:39:00		51.1	70.3	55.4	45.9
	14:40:00	14:40:00		49.5	66.3	52.6	42
	14:41:00	14:41:00		43.8	66.9	50.3	37.7
	14:42:00	14:42:00		44.8	63.6	49.4	37.2
	14:43:00	14:43:00		48.9	66.3	52.6	42
	14:44:00	14:44:00		49	66.9	53	43.5
	14:45:00	14:45:00		48.9	65.1	52.3	44.5
	14:46:00	14:46:00		47.6	68.6	54.6	42.2
	14:47:00	14:47:00		45.4	65.7	50.9	39.7
	14:48:00	14:48:00		48.1	67.3	54	40.4
	14:49:00	14:49:00		41.4	62.7	48.7	34.5
	14:50:00	14:50:00		48.6	69.2	56	34.9
	14:51:00	14:51:00		48.9	65.2	51.1	44.7
	14:52:00	14:52:00		45.8	64.7	51	38.7
	14:53:00	14:53:00		51	66.6	53.8	46.6
	14:54:00	14:54:00		46.2	62.5	50	38.9
	14:55:00	14:55:00		46.4	66.1	52.8	33.7
	14:56:00	14:56:00		47.3	66.1	53.9	37.3
	14:57:00	14:57:00		49.5	68.8	55.6	37.3
	14:58:00	14:58:00		49.3	68.3	53.2	44
	14:59:00	14:59:00		50.2	67.5	54.3	43.6
	15:00:00	15:00:00		46	67.8	52.1	39.9
	15:01:00	15:01:00		48.1	66.9	51.7	43.8
	15:02:00	15:02:00		48.8	65.2	52.6	45.2
	15:03:00	15:03:00		48.2	67.5	54	40.2
	15:04:00	15:04:00		49.1	67.9	55.4	42.6
	15:05:00	15:05:00		44.9	63.6	48.7	40.3
	15:06:00	15:06:00		42.8	68.5	47.8	36.7
	15:07:00	15:07:00		51	73	61.5	40
	15:08:00	15:08:00		55.5	75.7	65.5	48
	15:09:00	15:09:00		48.6	68.4	53.2	44
	15:10:00	15:10:00		48.3	68.5	54.3	39.1
	15:11:00	15:11:00		50.1	66.2	52.9	47.2
	15:12:00	15:12:00		45	65.3	50.9	35.9
	15:13:00	15:13:00		55.4	74.6	60.3	47.1
	15:14:00	15:14:00		46	65.7	51.5	36.3
	15:15:00	15:15:00		41.9	61.7	45.4	36.2
	15:16:00	15:16:00		52.1	71.3	58.9	38.7
	15:17:00	15:17:00		54.6	71.9	58.8	49.9
	15:18:00	15:18:00		49.7	67.5	54.5	42.5
	15:19:00	15:19:00		45.1	68.7	54	37.2
	15:20:00	15:20:00		47.8	68.6	53.9	42.3
	15:21:00	15:21:00		47.9	67.9	53.1	40.6
	15:22:00	15:22:00		45.3	69.3	54.1	37.4
	15:23:00	15:23:00		45.6	65.8	49.6	40.7

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	15:24:00	15:24:00		41	59.3	46.8	34.2
	15:25:00	15:25:00		44.5	65.1	51.5	36.2
	15:26:00	15:26:00		49.4	65.8	52.4	45.5
	15:27:00	15:27:00		46.6	65.2	50.3	40
	15:28:00	15:28:00		51.1	69.3	56.9	45.3
	15:29:00	15:29:00		50.4	68.4	54.9	47.5
	15:30:00	15:30:00		46.7	66.1	52.2	36.5
	15:31:00	15:31:00		47	65.2	52.2	42.7
	15:32:00	15:32:00		47	66	51.2	40.9
	15:33:00	15:33:00		51	70.2	55.8	45
	15:34:00	15:34:00		49.4	68.9	55.9	41.7
	15:35:00	15:35:00		49.1	67.3	54.2	45.2
	15:36:00	15:36:00		48.8	67	54.6	41.6
	15:37:00	15:37:00		47.2	62.9	49.8	44.9
	15:38:00	15:38:00		43.4	64.5	48.8	36.5
	15:39:00	15:39:00		45.3	67.3	53.7	37.5
	15:40:00	15:40:00		47.6	64.3	51.9	42.1
	15:41:00	15:41:00		41.5	58.7	45.4	35.1
	15:42:00	15:42:00		41.2	60.2	45.4	36.2
	15:43:00	15:43:00		45.7	63.3	49.9	38.7
	15:44:00	15:44:00		44.5	62.9	50.3	37.1
	15:45:00	15:45:00		47.7	64.5	51.5	41.9
	15:46:00	15:46:00		44	63.5	48.8	36.7
	15:47:00	15:47:00		44.8	63.5	50.5	38
	15:48:00	15:48:00		40.4	60.8	48.6	34.8
	15:49:00	15:49:00		48.4	68.4	54.5	41.4
	15:50:00	15:50:00		47.7	68.4	55	38.9
	15:51:00	15:51:00		47.3	64.5	51.3	42.1
	15:52:00	15:52:00		47.4	70.2	51.6	42
	15:53:00	15:53:00		47.6	64.1	50.9	41.6
	15:54:00	15:54:00		45	62.3	48.4	40.1
	15:55:00	15:55:00		48	64.7	52.3	44
	15:56:00	15:56:00		48.4	68.6	53.6	43.8
	15:57:00	15:57:00		43.4	67.6	49.1	37.6
	15:58:00	15:58:00		37.1	58.9	43.2	32.7
	15:59:00	15:59:00		46.7	62.8	49.6	41.5
	16:00:00	16:00:00		45.4	65.9	53	40.4
	16:01:00	16:01:00		45	62.1	49	38.4
	16:02:00	16:02:00		44.2	63.6	49.5	38.8
	16:03:00	16:03:00		47	65.1	51.3	41.5
	16:04:00	16:04:00		48.3	72.9	60	38.3
	16:05:00	16:05:00		49.5	76.9	60.7	34.2
	16:06:00	16:06:00		42.2	60.8	47.1	37.6
	16:07:00	16:07:00		38.9	60.2	45	34.6
	16:08:00	16:08:00		40.1	60.4	46.6	34.9
	16:09:00	16:09:00		41.9	63.8	47	36.1
	16:10:00	16:10:00		42.9	62.6	45.6	39.1
	16:11:00	16:11:00		44.5	70.6	53.9	34.9
	16:12:00	16:12:00		48.6	68	52.3	40.3
	16:13:00	16:13:00		41.1	63.1	48.9	36.1
	16:14:00	16:14:00		42.1	62.4	49.2	35.4
	16:15:00	16:15:00		45.7	63.1	49.3	40.1
	16:16:00	16:16:00		49.3	66.2	53.5	43
	16:17:00	16:17:00		50.5	66.7	53	47.5
	16:18:00	16:18:00		49.4	65	52.5	46.4
	16:19:00	16:19:00		45.4	63.8	49.6	39.8
	16:20:00	16:20:00		48.3	67.9	51.8	43.9
	16:21:00	16:21:00		49.5	64.2	51.9	46.9
	16:22:00	16:22:00		48.4	65.4	51.5	44.2
	16:23:00	16:23:00		48.1	64.8	51.4	42.6
	16:24:00	16:24:00		46.9	63.7	50.2	42.5
	16:25:00	16:25:00		56	79.5	65.6	43.8
	16:26:00	16:26:00		48.6	66.3	53.4	42.2
	16:27:00	16:27:00		51.7	67.2	55.4	47.4
	16:28:00	16:28:00		48.5	63.6	51.1	45.3
	16:29:00	16:29:00		47.6	66.5	51.5	41.8

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	16:30:00	16:30:00		59.3	80.7	68.1	47.8
	16:31:00	16:31:00		47.8	70.6	51.9	45.1
	16:32:00	16:32:00		51.5	68.1	54.1	47.5
	16:33:00	16:33:00		51.2	71.1	57.6	44.8
	16:34:00	16:34:00		47.6	64.4	50.6	43.7
	16:35:00	16:35:00		52	72	59.1	43.7
	16:36:00	16:36:00		51.6	71.3	57.1	46.9
	16:37:00	16:37:00		48.5	73.3	57.9	39.8
	16:38:00	16:38:00		46.6	64.2	50.3	42.8
	16:39:00	16:39:00		45.8	60.4	48.3	42.8
	16:40:00	16:40:00		48.9	64.2	52.1	43.9
	16:41:00	16:41:00		48.9	65.7	52	45.4
	16:42:00	16:42:00		55.1	78	63.3	44.4
	16:43:00	16:43:00		46.9	62.2	48.3	45.2
	16:44:00	16:44:00		54.3	75.6	62.9	45.3
	16:45:00	16:45:00		48.4	65.3	51.9	44.6
	16:46:00	16:46:00		56.1	76.7	63.4	46.8
	16:47:00	16:47:00		53.4	71.3	57.7	47.2
	16:48:00	16:48:00		46.9	64.6	51.9	43.2
	16:49:00	16:49:00		57.2	77.9	63.9	48.4
	16:50:00	16:50:00		50.3	68.9	61	45.4
	16:51:00	16:51:00		53.9	73.1	58.6	45.8
	16:52:00	16:52:00		50	68	54.4	47.2
	16:53:00	16:53:00		48.8	64.4	52.3	44.7
	16:54:00	16:54:00		48.6	64.9	51.9	44.5
	16:55:00	16:55:00		48.9	65.8	53.3	43.4
	16:56:00	16:56:00		46.3	67	51.8	39.9
	16:57:00	16:57:00		51.7	69.8	55.9	44.7
	16:58:00	16:58:00		53.4	69.9	57.5	47.7
	16:59:00	16:59:00		53.3	69.4	57	47.9
	17:00:00	17:00:00		48.2	66.5	51.4	44.9
	17:01:00	17:01:00		55.7	83.4	63.7	47.8
	17:02:00	17:02:00		61.9	85.1	72.4	45.9
	17:03:00	17:03:00		54	76.6	68.1	42.4
	17:04:00	17:04:00		50.6	67	54	45.3
	17:05:00	17:05:00		52	67.6	55.2	48.3
	17:06:00	17:06:00		54.6	78	62.7	47.7
	17:07:00	17:07:00		51.7	70.7	57.3	47.1
	17:08:00	17:08:00		52.2	69.5	55.8	48.9
	17:09:00	17:09:00		52.9	71.5	57.2	48.7
	17:10:00	17:10:00		52.1	68	55.7	48.7
	17:11:00	17:11:00		57.2	77.3	64	53.1
	17:12:00	17:12:00		55.8	70.9	57.7	53.5
	17:13:00	17:13:00		53.6	70.4	56	51
	17:14:00	17:14:00		51.9	69.2	55.6	49.7
	17:15:00	17:15:00		61	83.6	70.4	51.4
	17:16:00	17:16:00		53.2	69.4	56.7	49.4
	17:17:00	17:17:00		55.4	76	62.9	50.7
	17:18:00	17:18:00		60.2	82.5	69.9	46
	17:19:00	17:19:00		51.9	67.6	55.2	47.1
	17:20:00	17:20:00		55.5	74.5	61	50.4
	17:21:00	17:21:00		52.3	69.1	55.7	50.1
	17:22:00	17:22:00		54.9	75.2	58.3	51
	17:23:00	17:23:00		54.6	69	56.2	52.7
	17:24:00	17:24:00		52.3	72	55	50
	17:25:00	17:25:00		53.7	70.9	57.3	51.5
	17:26:00	17:26:00		59.9	83.7	70.3	51.5
	17:27:00	17:27:00		57.8	78.2	67.8	51.9
	17:28:00	17:28:00		52.3	69.4	55.3	49.5
	17:29:00	17:29:00		54.3	69.9	57	50.9
	17:30:00	17:30:00		54.2	69.1	56.4	51
	17:31:00	17:31:00		53	68.9	55	50.9
	17:32:00	17:32:00		60.1	82.3	68.7	52.1
	17:33:00	17:33:00		57.5	85.9	64.5	53.2
	17:34:00	17:34:00		57	72.7	59.7	53.9
	17:35:00	17:35:00		53.8	69.3	56.2	51.6

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	17:36:00	17:36:00		53.6	69.8	56.4	50.7
	17:37:00	17:37:00		54.4	71.8	56.8	51.2
	17:38:00	17:38:00		58.7	82.6	68.4	46.5
	17:39:00	17:39:00		60.5	86.1	70.3	48.3
	17:40:00	17:40:00		55.1	73.6	61	48.7
	17:41:00	17:41:00		55.3	72.6	57.9	51.4
	17:42:00	17:42:00		52	68.6	55.8	47.2
	17:43:00	17:43:00		52.1	69	56.4	45.9
	17:44:00	17:44:00		52.5	68.7	54.9	50.1
	17:45:00	17:45:00		52.6	67.5	55.1	49.2
	17:46:00	17:46:00		53.6	69.9	57	50.7
	17:47:00	17:47:00		52.6	68.6	55.7	50.6
	17:48:00	17:48:00		58.2	81.1	67.7	50.7
	17:49:00	17:49:00		57.5	78	66.6	53.3
	17:50:00	17:50:00		57	87.6	66.3	47.6
	17:51:00	17:51:00		50.7	71.7	54.5	47.4
	17:52:00	17:52:00		52.5	67.4	54.4	49.3
	17:53:00	17:53:00		55.9	77	60.8	53.5
	17:54:00	17:54:00		54.3	72.5	60	51.3
	17:55:00	17:55:00		57.5	77.8	64.7	52.9
	17:56:00	17:56:00		56.2	73.3	58.5	54.3
	17:57:00	17:57:00		54.5	73.5	57.9	52.9
	17:58:00	17:58:00		56	74	61.3	52.2
	17:59:00	17:59:00		56.3	74.3	61.1	52.1
	18:00:00	18:00:00		58.1	80.8	60.7	56.7
	18:01:00	18:01:00		58.2	82	61.2	56.2
	18:02:00	18:02:00		59.6	79.1	66	52.9
	18:03:00	18:03:00		55	71.5	57.6	52.9
	18:04:00	18:04:00		56.4	73.2	60.6	54.1
	18:05:00	18:05:00		58.2	75.3	62.1	54.5
	18:06:00	18:06:00		57.3	76.7	62.4	52.9
	18:07:00	18:07:00		58.8	78.1	62.9	55.7
	18:08:00	18:08:00		60.5	80.8	66.1	54.7
	18:09:00	18:09:00		56.7	71.2	59.3	55
	18:10:00	18:10:00		57.6	75.4	62.6	54.5
	18:11:00	18:11:00		57.9	78.4	63.5	54.1
	18:12:00	18:12:00		57.9	73.4	60.5	54.6
	18:13:00	18:13:00		58.3	75	60.7	54.6
	18:14:00	18:14:00		58.3	74.4	60.6	55.8
	18:15:00	18:15:00		58.1	73	60.1	56.7
	18:16:00	18:16:00		60.6	82.8	69	55.3
	18:17:00	18:17:00		60.6	80.7	64.7	55.9
	18:18:00	18:18:00		58.9	79.6	66.3	55.1
	18:19:00	18:19:00		63.8	82.5	70.3	56.7
	18:20:00	18:20:00		59.7	79.5	63.5	56.8
	18:21:00	18:21:00		59.7	80.2	67.4	54.1
	18:22:00	18:22:00		58.8	80	63.7	55.3
	18:23:00	18:23:00		60.2	77.1	64.1	57.3
	18:24:00	18:24:00		60.7	78.3	65.2	57.9
	18:25:00	18:25:00		59.1	74.1	61.2	56.6
	18:26:00	18:26:00		61.2	78.6	66.1	55.6
	18:27:00	18:27:00		61.4	85.6	69.1	57.9
	18:28:00	18:28:00		58.2	73.4	60.5	56.6
	18:29:00	18:29:00		58.1	72.1	60.4	56.7
	18:30:00	18:30:00		58.9	75.2	61.4	56.7
	18:31:00	18:31:00		58.6	74.4	61.4	56.2
	18:32:00	18:32:00		61.1	76.5	64	59.8
	18:33:00	18:33:00		60	79.8	64.4	57.8
	18:34:00	18:34:00		60.6	76.3	63.7	57.2
	18:35:00	18:35:00		59.6	79.5	64.6	57.6
	18:36:00	18:36:00		62	79.1	66.3	58
	18:37:00	18:37:00		58	72.4	59.4	55.9
	18:38:00	18:38:00		56.6	71.1	58.4	54.7
	18:39:00	18:39:00		59.2	78.7	65	55.4
	18:40:00	18:40:00		59.4	77.4	62.3	56.5
	18:41:00	18:41:00		60.3	77.5	64.7	56.3

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	18:42:00	18:42:00		60.5	81.4	66.6	56.8
	18:43:00	18:43:00		60.9	76.4	63.3	58.7
	18:44:00	18:44:00		59.7	76.7	63.4	56.1
	18:45:00	18:45:00		62.1	80	67.1	58.9
	18:46:00	18:46:00		59.6	74.8	61.4	57.8
	18:47:00	18:47:00		61.9	79.5	67	58.8
	18:48:00	18:48:00		62	76.4	63.6	59.6
	18:49:00	18:49:00		61.9	78.6	65.2	58.1
	18:50:00	18:50:00		64.3	83	70.3	61
	18:51:00	18:51:00		63.5	80.3	68.2	59.8
	18:52:00	18:52:00		59.8	73.7	61.7	57.8
	18:53:00	18:53:00		63.8	85.6	70	59.8
	18:54:00	18:54:00		61	84.5	67.3	56.7
	18:55:00	18:55:00		63.7	81.9	68.4	60.3
	18:56:00	18:56:00		62.4	80.8	66.7	59.6
	18:57:00	18:57:00		64.8	85	70.4	60.2
	18:58:00	18:58:00		62.5	81	68.5	60.2
	18:59:00	18:59:00		64.5	84.4	69.5	60.2
	19:00:00	19:00:00		63.3	82.5	67.2	61.4
	19:01:00	19:01:00		62.8	81.9	66.5	60.4
	19:02:00	19:02:00		64.4	83.2	68.4	62.1
	19:03:00	19:03:00		64.2	86.5	68.6	62.7
	19:04:00	19:04:00		64.4	79.4	66.1	62.6
	19:05:00	19:05:00		64.8	85.8	71.9	61.5
	19:06:00	19:06:00		64.1	85.3	70.9	59.7
	19:07:00	19:07:00		62.2	78.7	65.7	59.8
	19:08:00	19:08:00		62.4	77.8	64.6	59.8
	19:09:00	19:09:00		65.2	86.6	69.8	62.3
	19:10:00	19:10:00		62.4	77.3	66.5	60.8
	19:11:00	19:11:00		63.7	82.8	69.4	61.2
	19:12:00	19:12:00		62.7	77.3	64.2	61.1
	19:13:00	19:13:00		63.8	97.1	71.3	58.7
	19:14:00	19:14:00		62.4	79.4	66.5	59.2
	19:15:00	19:15:00		63.9	80.7	67.5	59.3
	19:16:00	19:16:00		63.4	78.3	65.4	61.5
	19:17:00	19:17:00		63.9	79.6	65.6	61.5
	19:18:00	19:18:00		63.2	86.8	69.8	60.3
	19:19:00	19:19:00		64.2	79.6	66.6	61.5
	19:20:00	19:20:00		62.5	80.6	65.8	59.7
	19:21:00	19:21:00		62.4	78.7	66.1	59.9
	19:22:00	19:22:00		62.6	77.7	64.4	60.6
	19:23:00	19:23:00		62.6	78	64.4	60.6
	19:24:00	19:24:00		62.9	78.7	65.6	59.2
	19:25:00	19:25:00		64.2	84.9	69.7	60.4
	19:26:00	19:26:00		62.3	76.9	63.9	60.5
	19:27:00	19:27:00		61.9	81.5	68.2	59.6
	19:28:00	19:28:00		67	86.6	70.7	64.4
	19:29:00	19:29:00		63.9	79.8	66.3	62.4
	19:30:00	19:30:00		62.7	78.5	66	60.3
	19:31:00	19:31:00		63.9	83.9	67.9	61.8
	19:32:00	19:32:00		64.8	86.1	69.4	61.7
	19:33:00	19:33:00		65	88.8	70.1	62.1
	19:34:00	19:34:00		61.9	78	64.4	60.1
	19:35:00	19:35:00		61.4	75.4	62.6	60
	19:36:00	19:36:00		62.7	80.9	67.3	61.2
	19:37:00	19:37:00		59.7	79.3	66.9	57
	19:38:00	19:38:00		62.8	86.1	73.7	57.1
	19:39:00	19:39:00		64.6	85.4	72.2	59.7
	19:40:00	19:40:00		66.5	93.6	78.1	60.1
	19:41:00	19:41:00		61.7	80	65.8	59.8
	19:42:00	19:42:00		61.4	76.3	63.4	59.6
	19:43:00	19:43:00		62.7	91.2	73.4	57.8
	19:44:00	19:44:00		62.5	79.3	67.1	59
	19:45:00	19:45:00		63.3	81.9	67	60.2
	19:46:00	19:46:00		61	82.9	64.9	57.6
	19:47:00	19:47:00		63.8	91.1	72.6	57.8

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	19:48:00	19:48:00		60.6	76.3	63.3	59.2
	19:49:00	19:49:00		62.4	82.4	68	59.2
	19:50:00	19:50:00		61.5	76.4	63.3	60.3
	19:51:00	19:51:00		65.7	84.6	72.2	60.8
	19:52:00	19:52:00		64.4	84.2	69.8	60.8
	19:53:00	19:53:00		64.2	84.1	69.1	60.6
	19:54:00	19:54:00		64.4	82.6	69.5	61.6
	19:55:00	19:55:00		63.5	84.6	69.3	59.7
	19:56:00	19:56:00		59	75.5	61.3	57.6
	19:57:00	19:57:00		62.7	84.6	71.6	57.8
	19:58:00	19:58:00		61.7	85	68.6	57.6
	19:59:00	19:59:00		62.6	80.8	67.1	58
	20:00:00	20:00:00		59.6	79.7	65.4	57.3
	20:01:00	20:01:00		58.5	74.7	63.1	56.6
	20:02:00	20:02:00		58.9	75.9	60.6	57.1
	20:03:00	20:03:00		59.8	76.9	63.5	57.1
	20:04:00	20:04:00		66.8	102.2	77.6	57.6
	20:05:00	20:05:00		62.3	80.8	68	56.5
	20:06:00	20:06:00		56.8	71.3	57.7	55.4
	20:07:00	20:07:00		62.3	82.9	68.1	56.7
	20:08:00	20:08:00		60.5	80	66.3	57.8
	20:09:00	20:09:00		62.9	92.7	74.5	57.7
	20:10:00	20:10:00		59.8	75.4	61.4	57.7
	20:11:00	20:11:00		63.2	85.8	68.7	59.4
	20:12:00	20:12:00		62.8	81.5	68.1	59.3
	20:13:00	20:13:00		61.5	80.1	66.8	57.7
	20:14:00	20:14:00		60.6	87.8	68.2	57.2
	20:15:00	20:15:00		58	73.3	59.2	57
	20:16:00	20:16:00		58.8	74.6	61.6	57.1
	20:17:00	20:17:00		59.3	79.2	63.4	57.2
	20:18:00	20:18:00		63.1	83.3	69.4	56.6
	20:19:00	20:19:00		61.1	80.7	65	56.8
	20:20:00	20:20:00		63.7	88.1	70.4	56.1
	20:21:00	20:21:00		61.6	81.5	67.9	55.2
	20:22:00	20:22:00		59.1	79.7	65.3	54.4
	20:23:00	20:23:00		57.3	79.9	65.3	54
	20:24:00	20:24:00		58.9	83.9	66.5	54.5
	20:25:00	20:25:00		60.5	80.9	68.7	54.7
	20:26:00	20:26:00		61.2	87.1	69.1	55.4
	20:27:00	20:27:00		56.4	75.1	60.6	54.2
	20:28:00	20:28:00		54.9	78.5	59.2	54.1
	20:29:00	20:29:00		58.1	79.5	64.6	54.5
	20:30:00	20:30:00		58.1	77.4	64	54.7
	20:31:00	20:31:00		56.5	76.7	63.4	53.6
	20:32:00	20:32:00		55.9	76.4	62.8	54
	20:33:00	20:33:00		58.8	80.4	65.7	53.2
	20:34:00	20:34:00		55.7	74	57.6	54.1
	20:35:00	20:35:00		59	83.6	65.8	56.1
	20:36:00	20:36:00		61.6	78.8	66.1	58.5
	20:37:00	20:37:00		62.6	81.4	68.5	55.9
	20:38:00	20:38:00		60.4	84.2	69.3	54.2
	20:39:00	20:39:00		59.5	77.7	64.2	55.2
	20:40:00	20:40:00		59.9	78.7	65.5	54.1
	20:41:00	20:41:00		55.8	83.8	63.7	52.8
	20:42:00	20:42:00		56.6	78.1	64.9	53.6
	20:43:00	20:43:00		60.2	79.5	65.7	53.7
	20:44:00	20:44:00		54.6	69.4	56.2	52.7
	20:45:00	20:45:00		56.3	75.2	62.2	53.1
	20:46:00	20:46:00		61.9	82	70	53.6
	20:47:00	20:47:00		55.5	73.9	58.1	53.5
	20:48:00	20:48:00		61.8	87.7	69.7	53.3
	20:49:00	20:49:00		62	81.6	69.2	56.6
	20:50:00	20:50:00		59.3	77.2	64.1	54.8
	20:51:00	20:51:00		60.5	84.3	68.6	53.9
	20:52:00	20:52:00		56	75.8	62	52.7
	20:53:00	20:53:00		61.2	86.9	67.9	52.8

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	20:54:00	20:54:00		56.8	77.6	65.9	51.6
	20:55:00	20:55:00		56.5	75.2	63	51.1
	20:56:00	20:56:00		55.9	79.8	64.9	51.8
	20:57:00	20:57:00		51.9	66.9	53.7	50.1
	20:58:00	20:58:00		59	81.6	68.1	50.8
	20:59:00	20:59:00		61.2	83.1	69.8	52
	21:00:00	21:00:00		61.5	81.8	68.6	52.9
	21:01:00	21:01:00		57.7	78.5	65.4	51
	21:02:00	21:02:00		59.1	86.1	69.6	51.1
	21:03:00	21:03:00		51.9	67.9	55.1	49.8
	21:04:00	21:04:00		52.9	73.4	60	50.1
	21:05:00	21:05:00		55.4	81.6	65	50
	21:06:00	21:06:00		53.7	76.3	60	49.2
	21:07:00	21:07:00		58	81	66.6	49.1
	21:08:00	21:08:00		50.6	67	53.1	48.7
	21:09:00	21:09:00		56.5	79.7	64.5	49.5
	21:10:00	21:10:00		56.9	80.7	63.8	50.5
	21:11:00	21:11:00		54	73.2	60.7	50.4
	21:12:00	21:12:00		60.3	80.1	68.1	50.1
	21:13:00	21:13:00		53	68.1	55.5	51.3
	21:14:00	21:14:00		57.8	78.7	65.8	51.8
	21:15:00	21:15:00		59.8	81.6	65.2	52.4
	21:16:00	21:16:00		57.5	78.1	63.6	49.7
	21:17:00	21:17:00		53.1	73.4	58.2	50.4
	21:18:00	21:18:00		64.8	87.8	74.7	49.8
	21:19:00	21:19:00		61.3	82.7	73.8	50.3
	21:20:00	21:20:00		60.2	85.3	66.7	50
	21:21:00	21:21:00		58.8	85.5	70.9	52.1
	21:22:00	21:22:00		51.3	70.7	53	49.4
	21:23:00	21:23:00		54.9	74.9	60.3	49.8
	21:24:00	21:24:00		59.9	81.4	68.4	49.7
	21:25:00	21:25:00		50.4	67.3	52.9	49.1
	21:26:00	21:26:00		59.1	80.9	65.9	50.3
	21:27:00	21:27:00		53	73.6	60.7	48.3
	21:28:00	21:28:00		50.4	66.7	51.8	49
	21:29:00	21:29:00		56.6	78.9	64.2	48.4
	21:30:00	21:30:00		56.2	78.7	64	49.2
	21:31:00	21:31:00		55.8	77.3	62.7	48.3
	21:32:00	21:32:00		57.3	79.4	66.4	47.6
	21:33:00	21:33:00		60.3	82	68.8	46.7
	21:34:00	21:34:00		61.5	86.1	69.6	51.8
	21:35:00	21:35:00		60	82.4	68.8	50.3
	21:36:00	21:36:00		61.2	84.1	71.1	45.4
	21:37:00	21:37:00		52.2	75.7	61.3	45.5
	21:38:00	21:38:00		58.5	78.9	66	47.5
	21:39:00	21:39:00		54.2	78	63.6	46.3
	21:40:00	21:40:00		55.4	79.9	64.4	46
	21:41:00	21:41:00		54.1	74.6	60	46.5
	21:42:00	21:42:00		56.5	76.5	63.8	46.8
	21:43:00	21:43:00		57.1	78.1	65.5	48.1
	21:44:00	21:44:00		54.9	75.6	62.8	46.4
	21:45:00	21:45:00		62.2	82.9	70.7	46.7
	21:46:00	21:46:00		54.8	75	62	46.9
	21:47:00	21:47:00		46.2	60.2	47.8	44.7
	21:48:00	21:48:00		50.3	74.5	58	45.8
	21:49:00	21:49:00		56.2	75.8	62.9	46.8
	21:50:00	21:50:00		54	76.2	63.2	45.8
	21:51:00	21:51:00		60	83.3	67.5	46.9
	21:52:00	21:52:00		58.7	79.8	67.2	45.7
	21:53:00	21:53:00		46.2	85.6	53.5	44.3
	21:54:00	21:54:00		58.8	84.2	68.3	45.1
	21:55:00	21:55:00		60.6	80	67	48.5
	21:56:00	21:56:00		53.4	76.6	61.3	47.5
	21:57:00	21:57:00		57.1	83	65.7	47.7
	21:58:00	21:58:00		53.2	75.3	59.7	47.4
	21:59:00	21:59:00		55.5	73.7	59.6	47.1

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	22:00:00	22:00:00		51.4	72.7	58.5	46.5
	22:01:00	22:01:00		47.4	63.5	49.9	46.3
	22:02:00	22:02:00		50.1	68.7	55.5	46.6
	22:03:00	22:03:00		58.1	78.8	65.9	46.4
	22:04:00	22:04:00		59.8	83.1	68.6	49.6
	22:05:00	22:05:00		55.1	76.3	62	48.7
	22:06:00	22:06:00		57.1	78.9	65.3	48.5
	22:07:00	22:07:00		55.7	72.6	60	50.3
	22:08:00	22:08:00		52.5	73.4	58.5	46.8
	22:09:00	22:09:00		58.7	81	68.4	45.5
	22:10:00	22:10:00		49.4	68.8	54.7	47.8
	22:11:00	22:11:00		55.9	84.1	66	47.9
	22:12:00	22:12:00		57.9	79.7	65.7	50.4
	22:13:00	22:13:00		56.2	80.3	63.5	51.6
	22:14:00	22:14:00		56.4	73.3	61.4	51.5
	22:15:00	22:15:00		53	73.9	58.9	49.3
	22:16:00	22:16:00		63.3	83.4	68.8	51.6
	22:17:00	22:17:00		58.5	81.4	67.7	49
	22:18:00	22:18:00		55.3	77.6	62	45.7
	22:19:00	22:19:00		47.6	67.8	51.2	46.2
	22:20:00	22:20:00		55.5	79.4	65.7	45.6
	22:21:00	22:21:00		59.2	79.6	67.1	47
	22:22:00	22:22:00		59.4	85.4	70	46.5
	22:23:00	22:23:00		57.8	80.1	65.6	47.9
	22:24:00	22:24:00		54.3	80.1	64.8	47.8
	22:25:00	22:25:00		54.3	73.1	60.4	47.7
	22:26:00	22:26:00		56.7	83	65.5	47
	22:27:00	22:27:00		52	76.1	62.1	48.5
	22:28:00	22:28:00		53.9	77	63	47.7
	22:29:00	22:29:00		52.5	74	60.6	46.3
	22:30:00	22:30:00		56	74.2	61.2	49.1
	22:31:00	22:31:00		55.1	78.3	62.1	48.7
	22:32:00	22:32:00		57.3	76.7	65	48.1
	22:33:00	22:33:00		58.6	78.7	66.8	48.1
	22:34:00	22:34:00		59.8	80	69.1	49.6
	22:35:00	22:35:00		50.4	69.9	56.2	47.7
	22:36:00	22:36:00		58.5	77.6	63.9	49.3
	22:37:00	22:37:00		61.7	83.2	68.8	48.4
	22:38:00	22:38:00		50.3	72.1	56.4	47
	22:39:00	22:39:00		52.6	72.8	58.9	44.5
	22:40:00	22:40:00		49.5	67.1	54	45.5
	22:41:00	22:41:00		57.4	78	64.4	44.5
	22:42:00	22:42:00		53.1	73.7	59.7	43.5
	22:43:00	22:43:00		56.2	84.3	66.4	50.6
	22:44:00	22:44:00		56.6	79.4	65	48.1
	22:45:00	22:45:00		55.5	76.8	61.2	49.5
	22:46:00	22:46:00		48.6	66.9	54.7	44.5
	22:47:00	22:47:00		60.9	89.2	70.9	45.8
	22:48:00	22:48:00		60	82.7	69.2	45.8
	22:49:00	22:49:00		53.1	77.5	62	45.8
	22:50:00	22:50:00		59.9	83.9	67.1	46.3
	22:51:00	22:51:00		53.5	70.8	57.5	48.8
	22:52:00	22:52:00		52	84.3	63.5	48.2
	22:53:00	22:53:00		59.1	81.8	67	48.9
	22:54:00	22:54:00		58.3	80.5	66.2	48.5
	22:55:00	22:55:00		52.9	85	65.3	47.9
	22:56:00	22:56:00		59.3	81.4	68	47.9
	22:57:00	22:57:00		54.3	80.6	62.9	48.5
	22:58:00	22:58:00		52.1	80	61.6	48.6
	22:59:00	22:59:00		61.1	80.4	67.3	50
	23:00:00	23:00:00		55.6	80.6	66.6	49.6
	23:01:00	23:01:00		57.9	81.4	67.5	50.4
	23:02:00	23:02:00		55.4	81.2	63.6	48.8
	23:03:00	23:03:00		57.9	85.7	67	48.8
	23:04:00	23:04:00		56.1	75.9	62.6	50.3
	23:05:00	23:05:00		55.6	75.5	62.2	49.8

Ambient Noise Data

Receptor 2 (R2)

Study	Study Time	Session Time	OL Status	Lavg Meter1	Lpk Meter1	Lmax Meter1	Lmin Meter1
	23:06:00	23:06:00		60.7	81.6	68.3	53.5
	23:07:00	23:07:00		57.9	82.7	66.4	48.8
	23:08:00	23:08:00		58.1	83.5	66.7	49.8
	23:09:00	23:09:00		60.5	82.5	65.8	56.4
	23:10:00	23:10:00		61.8	81.2	66.2	49.6
	23:11:00	23:11:00		57.8	78.2	65.4	48.3
	23:12:00	23:12:00		55.4	77.3	64.5	44.7
	23:13:00	23:13:00		52	75	61	44.9
	23:14:00	23:14:00		56.2	83.3	66.4	45
	23:15:00	23:15:00		56.2	78.3	65.4	47.6
	23:16:00	23:16:00		50.7	71	58.3	46
	23:17:00	23:17:00		47.7	63.1	48.8	46.5
	23:18:00	23:18:00		50.4	72.9	59	45
	23:19:00	23:19:00		54.9	80.9	64.2	45.4
	23:20:00	23:20:00		59.6	80.5	67.8	47.6
	23:21:00	23:21:00		57.9	79.2	64.5	48.1
	23:22:00	23:22:00		59.4	82.2	66.4	51.7
	23:23:00	23:23:00		60.4	81.2	65.3	51.3
	23:24:00	23:24:00		58.4	79.3	63.5	49.9
	23:25:00	23:25:00		58.8	81.6	66.5	50.2
	23:26:00	23:26:00		51.5	72.7	58.7	46.5
	23:27:00	23:27:00		59.9	79.4	65.7	46.6
	23:28:00	23:28:00		59	80.8	67.4	45.7
	23:29:00	23:29:00		56.2	76.7	61.9	49.8
	23:30:00	23:30:00		51.4	72.9	59.6	46.5
	23:31:00	23:31:00		62.6	84.8	72.1	46.8
	23:32:00	23:32:00		60.1	82.3	68.5	44.3
	23:33:00	23:33:00		52.1	71.4	58.9	44.2
	23:34:00	23:34:00		59.2	81.9	68.3	47.8
	23:35:00	23:35:00		53.9	74.8	61.9	46.3
	23:36:00	23:36:00		57.7	80	63.1	48.7
	23:37:00	23:37:00		60.4	80.8	68.4	47.2
	23:38:00	23:38:00		51.1	69.9	56.1	46.9
	23:39:00	23:39:00		64.1	86.2	73.5	44.9
	23:40:00	23:40:00		59	80.9	67.2	45.5
	23:41:00	23:41:00		54.6	76.2	60.3	47.7
	23:42:00	23:42:00		51.4	71.7	56.7	47.8
	23:43:00	23:43:00		56.5	79.7	66.1	48.2
	23:44:00	23:44:00		60.1	83.5	69.7	50
	23:45:00	23:45:00		55.3	80.3	63.6	49
	23:46:00	23:46:00		63	88.7	72	52.8
	23:47:00	23:47:00		57.7	82.5	65.7	52.2
	23:48:00	23:48:00		55.4	73.2	59.4	51.7
	23:49:00	23:49:00		56.3	75.5	60.9	51.9
	23:50:00	23:50:00		52.5	70.1	56.4	49.1
	23:51:00	23:51:00		56.7	73.6	63.9	49.7
	23:52:00	23:52:00		57.4	83	66.6	49.9
	23:53:00	23:53:00		55.7	76.4	63.2	51.4
	23:54:00	23:54:00		60	86.8	68.9	52
	23:55:00	23:55:00		55.6	77.5	62.1	50.5
	23:56:00	23:56:00		59.9	86.3	70.3	48.4
	23:57:00	23:57:00		56.8	84.4	66.3	49.3
	23:58:00	23:58:00		55.2	82	63.7	50.4
	23:59:00	23:59:00		54.9	86.1	61	50.9
	24:00:00	24:00:00		70.1	104.5	82.7	52.7

Ambient Noise Summary + County Thresholds

Ambient Noise Measurement Summary (24-Hours)									
Receptor	Dates	Time Start	Time Stop	Average Noise Level (L_{eq})			Peak Noise Level (L_{max})		
				Daytime[A]	Evening[A]	Nighttime[A]	Daytime[A]	Evening[A]	Nighttime[A]
R1	4/12/2017 - 4/13/2017	10:05 AM	10:05 AM	54.7	53.8	52.2	58.3	54.3	53.4
R2	4/13/2017 - 4/14/2017	10:16 AM	10:16 AM	58.2	54.7	52.2	63.5	56.2	58.6
R3[C]	4/12/2017 - 4/13/2017	10:05 AM	10:05 AM	54.7	53.8	52.2	58.3	54.3	53.4

Note: Ambient peak noise levels (L_{max}) are shown for informational purposes only, and not utilized to determine significance thresholds.

Applicable Ventura County Significance Thresholds							
Receptor	Receptor Type	Average Noise Level (L_{eq})			Ventura County Thresholds (L_{eq})[B]		
		Daytime[A]	Evening[A]	Nighttime[A]	Daytime[A]	Evening[A]	Nighttime[A]
R1	Residential	54.7	53.8	52.2	55.0	56.8	55.2
R2	Residential	58.2	54.7	52.2	61.2	57.7	55.2
R3[C]	Residential	54.7	53.8	52.2	55.0	56.8	55.2

Footnotes:

A - Timeframes shown are from the Ventura County *General Plan Noise Element*. Daytime = 6:00 AM-7:00 PM. Evening = 7:00 PM-10:00 PM. Nighttime = 10:00 PM-6:00 AM.

B - The Ventura County *General Plan Noise Element* presents significance thresholds for daytime, evening, and nighttime. Per Ventura County guidance, significance thresholds depend on the existing ambient noise levels in the Project area during the defined time period. If ambient noise levels are lower than the thresholds, the "fixed" thresholds are utilized. If ambient noise levels exceed the fixed thresholds, the "ambient level +3 decibels (dB)" is utilized. The significance thresholds are summarized below:

-Daytime (6:00 AM-7:00 PM) = L_{eq} of 55 dBA or ambient noise level +3 dBA

-Evening (7:00 PM-10:00 PM) = L_{eq} of 50 dBA or ambient noise level +3 dBA

-Nighttime (10:00 PM-6:00 AM) = L_{eq} of 45 dBA or ambient noise level +3 dBA

Daytime and evening ambient noise levels shown for informational purposes, as only nighttime noise impacts were assessed within this NIA.

C - Ambient noise levels recorded near R1 are also used to represent ambient noise levels at R3.

APPENDIX D

SOURCE NOISE CHARACTERIZATION & NIGHTTIME NOISE IMPACTS

General Site Noise Sources

Noise Monitoring Results - Patriot Anaheim Facility

Start Time	13:10:46	24-Apr-2017
Run Length	0:05:00	19200

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	110
Max Level	dB	140
Meas. Floor	dB	-20

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	90	90
Upper Limit Level	dB	140	140
Projected Time	Hrs	1	1
Weighting		A	A
Time Response		SLOW	SLOW

Sound Curve Configuration	
Description	Value
Mode	OFF
Type	Noise Criterion (NC)
Criterion	NA
Method	Tangency

Measurement	Units	Meter 1 Broadband	Meter 2 Broadband	12.5 Hz	16 Hz	20 Hz	25 Hz	31.5 Hz	40 Hz	50 Hz	63 Hz
Lavg	dB	67.2	67.2	3.9	8.3	14.5	20.1	25.6	26.7	53.5	41.7
Lmax	dB	72.4	72.4	13.6	14.8	24.3	27.1	34.2	36.6	54.1	44.9
Lmin	dB	65.9	65.8	-1.7	0.8	7.3	14.8	18.3	21.8	53	40.9
Lpk	dB	89.3	89.2	20.9	23.7	34	35.9	41.1	45.5	58.4	53.4
TWA	dB	47.4	47.4	-15.8	-11.4	-5.2	0.3	5.7	6.9	33.6	21.9
PTWA	dB	58.2	58.2	-5	-0.6	5.5	11.1	16.5	17.7	44.4	32.7
DOSE	%	0.01	0.01	0	0	0	0	0	0	0	0
PDOSE	%	0.07	0.07	0	0	0	0	0	0	0	0
SEL	dB	92	92	28.7	33.1	39.3	44.9	50.3	51.5	78.2	66.5
EXP	p2s	1	1	0	0	0	0	0	0	0	0

General Site Noise Sources

Noise Monitoring Results - Patriot Anaheim Facility

Measurement	Units	Value
LDN	dB	67.2
CNEL	dB	67.2
TAKTMAX (5sec)	dB	N/A
LC-A	dB	N/A

		Meter 1			Meter 2		
		Count	Percent	Time	Count	Percent	Time
Overload	(OL)	0	0	00:00:00	0	0	00:00:00
Under-Range	(UR)	0	0	00:00:00	0	0	00:00:00
Upper Limit	(UL)	0	0	00:00:00	0	0	00:00:00

Exceedence Table

	0	1	2	3	4	5	6	7	8	9
0	72.4	70.4	69.5	69.3	69.2	69	68.9	68.8	68.7	68.6
10	68.5	68.4	68.2	68.1	68.1	68	67.9	67.9	67.8	67.8
20	67.7	67.7	67.6	67.6	67.5	67.5	67.4	67.4	67.3	67.3
30	67.3	67.2	67.2	67.2	67.1	67.1	67.1	67	67	67
40	67	66.9	66.9	66.9	66.9	66.9	66.8	66.8	66.8	66.8
50	66.8	66.7	66.7	66.7	66.7	66.6	66.6	66.6	66.6	66.5
60	66.5	66.5	66.5	66.4	66.4	66.4	66.4	66.4	66.3	66.3
70	66.3	66.3	66.3	66.3	66.3	66.2	66.2	66.2	66.2	66.2
80	66.2	66.2	66.2	66.1	66.1	66.1	66.1	66.1	66.1	66
90	66	66	66	66	66	66	65.9	65.9	65.9	65.9

Mixing Tanks

Noise Monitoring Results - Patriot Anaheim Facility

Start Time	13:04:33	24-Apr-2017
Run Length	0:05:00	19200

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	110
Max Level	dB	140
Meas. Floor	dB	-20

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	90	90
Upper Limit Level	dB	140	140
Projected Time	Hrs	1	1
Weighting		A	A
Time Response		SLOW	SLOW

Sound Curve Configuration	
Description	Value
Mode	OFF
Type	Noise Criterion (NC)
Criterion	NA
Method	Tangency

Measurement	Units	Meter 1 Broadband	Meter 2 Broadband	12.5 Hz	16 Hz	20 Hz	25 Hz	31.5 Hz	40 Hz	50 Hz	63 Hz
Lavg	dB	74.9	74.9	5.2	8.9	14.6	21.1	24.9	28.7	40.6	40
Lmax	dB	76.1	76.1	17	22.9	21.9	29.4	36.6	37.3	42.9	54.7
Lmin	dB	74.1	74.1	-1.4	0.9	8	16.1	18.9	22.2	38.5	33.7
Lpk	dB	98	97.9	24.5	32.1	30.9	38.4	45.3	47.9	49.3	62.1
TWA	dB	55.1	55	-14.6	-10.8	-5.1	1.2	5.1	8.8	20.8	20.2
PTWA	dB	65.9	65.8	-3.8	0	5.6	12	15.8	19.6	31.5	31
DOSE	%	0.03	0.03	0	0	0	0	0	0	0	0
PDOSE	%	0.39	0.38	0	0	0	0	0	0	0	0
SEL	dB	99.7	99.6	29.9	33.7	39.4	45.8	49.6	53.4	65.3	64.8
EXP	p2s	4	4	0	0	0	0	0	0	0	0

Mixing Tanks

Noise Monitoring Results - Patriot Anaheim Facility

Measurement	Units	Value
LDN	dB	74.9
CNEL	dB	74.9
TAKTMAX (5sec)	dB	N/A
LC-A	dB	N/A

		Meter 1			Meter 2		
		Count	Percent	Time	Count	Percent	Time
Overload	(OL)	0	0	00:00:00	0	0	00:00:00
Under-Range	(UR)	0	0	00:00:00	0	0	00:00:00
Upper Limit	(UL)	0	0	00:00:00	0	0	00:00:00

Exceedence Table

	0	1	2	3	4	5	6	7	8	9
0	76.1	75.6	75.4	75.3	75.2	75.2	75.2	75.1	75.1	75.1
10	75.1	75.1	75	75	75	75	75	75	75	75
20	75	75	75	74.9	74.9	74.9	74.9	74.9	74.9	74.9
30	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
40	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
50	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
60	74.8	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
70	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.6
80	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.5
90	74.5	74.5	74.5	74.5	74.5	74.5	74.4	74.4	74.4	74.2

Dewatering Centrifuges

Noise Monitoring Results - Anterra's Oxnard Facility

Serial Number	BIJ090010	UNIT REV	R13B
Start Time	12:43:05 20-Mar-2012		
Run Length	0:18:26 70784		

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	120
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description		Units	Value
Pre-Cal	Level	dB	114
	Date		12:42:31 20-Mar-2012
Post-Cal	Level	dB	
	Date		
ReCert	Date		Unavailable

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	90	90
Upper Limit Level	dB	130	130
Projected Time	Hrs	8	8
Weighting		A	C
Time Response		SLOW	SLOW

Measurement	Units	Meter 1 Broadband	Meter 2 Broadband	12.5 Hz	16 Hz	20 Hz	25 Hz	31.5 Hz	40 Hz	50 Hz	63 Hz
Lavg	dB	72	80.9	8.6	10.1	12.9	24.2	36.1	34.4	44.6	47
Lmax	dB	79.9	90.7	13.9	22.3	28.5	34.8	41.2	49.7	59.9	62.2
Lmin	dB	69.9	77.8	5.2	5.2	6	19.9	30.2	24.8	36	35.7
Lpk	dB	101.1	100.3	22.2	28.7	36.6	45.9	50.6	55.8	65.6	69.7
TWA	dB	57.9	66.8	-5.4	-4	-1.1	10.1	21.9	20.2	30.4	32.8
PTWA	dB	72	80.9	8.6	10.1	12.9	24.2	36.1	34.4	44.6	47
DOSE	%	0.06	0.47	0	0	0	0	0	0	0	0
PDOSE	%	1.6	12.36	0	0	0	0	0	0	0	0.01
SEL	dB	102.5	111.4	39.1	40.5	43.4	54.7	66.5	64.8	75	77.4
EXP	p2s	7	54	0	0	0	0	0	0	0	0

Dewatering Centrifuges

Noise Monitoring Results - Anterra's Oxnard Facility

Measurement	Units	Value
LDN	dB	72
CNEL	dB	72
TAKTMAX (5sec)	dB	N/A
LC-A	dB	8.9

Exceedence	Units	Value
L02	dB	74.2
L08	dB	72.8
L25	dB	72.1
L50	dB	71.8

		Meter 1			Meter 2		
		Count	Percent	Time	Count	Percent	Time
Overload	(OL)	0	0	00:00:00	0	0	00:00:00
Under-Range	(UR)	0	0	00:00:00	0	0	00:00:00
Upper Limit	(UL)	0	0	00:00:00	0	0	00:00:00

Exceedence Table

	0	1	2	3	4	5	6	7	8	9
0	79.9	74.7	74.2	73.7	73.4	73.2	73	72.9	72.8	72.7
10	72.6	72.5	72.5	72.5	72.4	72.4	72.4	72.3	72.3	72.3
20	72.2	72.2	72.2	72.1	72.1	72.1	72.1	72.1	72.1	72
30	72	72	72	72	72	72	72	71.9	71.9	71.9
40	71.9	71.9	71.9	71.9	71.8	71.8	71.8	71.8	71.8	71.8
50	71.8	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.6	71.6
60	71.6	71.6	71.6	71.6	71.5	71.5	71.5	71.5	71.5	71.5
70	71.5	71.4	71.4	71.4	71.4	71.4	71.3	71.3	71.3	71.3
80	71.3	71.3	71.2	71.2	71.2	71.2	71.2	71.1	71.1	71.1
90	71.1	71.1	71	71	71	70.9	70.9	70.8	70.8	70.7

Project Noise Source Data + Impacts to Receptors

Industrial Nighttime Noise Source Data

Noise Source[A]	Reference				Converted		
	Reference Distance (ft.)	Usage Factor/Hourly Percentage (%)[B]	L_{eq} (dBA)	L_{max} (dBA)	Reference Distance (ft.)	L_{eq} (dBA)	L_{max} (dBA)
Front-End Loader	50	40	79	90	50	79	90
General Site Noise Sources	13	---	67.2	72.4	50	55.5	60.7
Mixing Tank	5	---	74.9	76.1	50	54.9	56.1
Centrifuge	65	---	72	79.9	50	74.3	82.2

Footnotes:

A - Front-end loader noise data taken from Ventura County *Construction Noise Threshold Criteria & Control Plan* (July 2010). General site noise sources (i.e. pumps and non-specific industrial sources) and mixing tank noise levels are based on noise monitoring data collected at Patriot's Anaheim wastewater treatment facility. The centrifuge noise level was based on previous monitoring of centrifuge dewatering units at a similar wastewater processing facility in Oxnard, California. Noise measurements were taken in 2012, 65-feet away from two (2) operating centrifuge dewatering units, which makes this measurement a conservative overestimation of one (1) Project centrifuge unit.

B - Usage factor is the percentage (%) of time, generally within an hour, that a piece of equipment is operating at full power. The default usage factor of 40% presented in the Federal Highway Administration's (FHWA) *Roadway Construction Noise Model* (February 2006).

Industrial Nighttime Noise Impacts @ Facility Receptors (R1 and R2)

Receptor	Ambient Nighttime Noise Levels (L_{eq}-Hour dBA)[C]	Facility Industrial Nighttime Noise Levels (L_{eq}-Hour dBA)[D]	Total Nighttime Noise Level (L_{eq}-Hour dBA)[E]
Receptor 1 (R1)	52.2	36.0	52.3
Receptor 2 (R2)	52.2	36.6	52.3
Receptor 3 (R3)	52.2	29.1	52.2

Footnotes:

C - Ambient noise levels were determined through onsite noise monitoring. See Appendix C for more details.

D - Facility noise levels at nearby receptors were modeled in SoundPLAN Essential software. Please note that nighttime onsite processing operations (front-end loader, general site noise sources, mixing tanks, centrifuges) noise levels were input into the model. See the full model results presented in Appendix E and results shown on Figure 5 (Appendix A) for more detail.

E - The total noise level at each receptor was determined by combining the ambient nighttime (10:00 PM-6:00 AM) noise level with the noise level generated by nighttime Facility industrial operations, as modeled in SoundPLAN Essential. The total noise level is utilized to determine the significance of noise impacts to Facility receptors (R1, R2 and R3). As shown in the table above, the existing ambient noise level dominates the predicted Facility nighttime noise environment, and the Project nighttime operations are not expected to generate appreciable noise in excess of what nearby receptors (R1, R2 and R3) already experience.

Total Nighttime Noise Level & Ventura County Significance Determination

Parameter	Receptor 1 (R1)	Receptor 2 (R2)	Receptor 3 (R3)
Total Project Noise Level (dBA)[E]:	52.3	52.3	52.2
Significance Threshold (dBA)[F]:	55.2	55.2	55.2
Significant?	No	No	No

Footnotes:

F - The significance threshold shown for nighttime hours (10:00 PM-6:00 AM) is taken from the Ventura County *General Plan Noise Element*. Per Ventura County guidance, if the ambient noise level exceeds the "fixed" threshold, then the "ambient noise level +3 dBA" was utilized as the significance threshold. See Appendix C for more details.

APPENDIX E

SOUNDPLAN NOISE MODELING OUTPUT FILES

Noise Emissions of Industry Sources

Source name	Reference	Level		Frequency spectrum [dB(A)]								Corrections		
				63	125	250	500	1	2	4	8	Kwall	CI	CT
			dB(A)	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	dB(A)	dB(A)	dB(A)
Centrifuge 1	Unit	Day	74.3	57.4	62.4	66.5	67.6	68.2	66.5	64.1	60.1	-	-	-
Centrifuge 2	Unit	Day	74.3	57.4	62.4	66.5	67.6	68.2	66.5	64.1	60.1	-	-	-
Centrifuge 3	Unit	Day	74.3	57.4	62.4	66.5	67.6	68.2	66.5	64.1	60.1	-	-	-
Centrifuge 4	Unit	Day	74.3	57.4	62.4	66.5	67.6	68.2	66.5	64.1	60.1	-	-	-
Mixing Tank 1	Unit	Day	54.9	38.0	43.0	47.1	48.2	48.8	47.1	44.7	40.7	-	-	-
Mixing Tank 2	Unit	Day	54.9	38.0	43.0	47.1	48.2	48.8	47.1	44.7	40.7	-	-	-
Mixing Tank 3	Unit	Day	54.9	38.0	43.0	47.1	48.2	48.8	47.1	44.7	40.7	-	-	-
Mixing Tank 4	Unit	Day	54.9	38.0	43.0	47.1	48.2	48.8	47.1	44.7	40.7	-	-	-
Mixing Tank 5	Unit	Day	54.9	38.0	43.0	47.1	48.2	48.8	47.1	44.7	40.7	-	-	-
Front-End Loader	Unit	Day	79.0	58.9	61.9	67.9	72.9	74.9	71.9	67.9	-	-	-	-
General Site 1	Unit	Day	55.5	38.6	43.6	47.7	48.8	49.4	47.7	45.3	41.3	-	-	-
General Site 2	Unit	Day	55.5	38.6	43.6	47.7	48.8	49.4	47.7	45.3	41.3	-	-	-
General Site 3	Unit	Day	55.5	38.6	43.6	47.7	48.8	49.4	47.7	45.3	41.3	-	-	-
General Site 4	Unit	Day	55.5	38.6	43.6	47.7	48.8	49.4	47.7	45.3	41.3	-	-	-
General Site 5	Unit	Day	55.5	38.6	43.6	47.7	48.8	49.4	47.7	45.3	41.3	-	-	-

Noise Emissions of Parking Lot Traffic

Name	Parking lot type	Low noise trolleys	Size	Movements per hour			Road surface	Separated method	Level
				Day	Evenin	Night			dB(A)
Park 1	Visitors and staff	-	20 car places	15.00	15.00	10.00	Water bound surfac	no	81.1
Park 2	Visitors and staff	-	7 car places	15.00	15.00	10.00	Water bound surfac	no	74.0

Receiver List

No.	Receiver name	Coordinates X Y in meter	Building side	Floor	Height m	Limit Night dB(A)	Level Night dB(A)	Conflict Night dB(A)
1	R1	306357.19 3798972.21		1.Fl	2.00	-	36.0	-
2	R2	306414.31 3799230.80		1.Fl	2.00	-	36.6	-
3	R3	306155.58 3799205.56		1.Fl	-3.00	-	29.1	-

Contribution Levels of the Receivers

Source name		Level Night dB(A)
R1	1.FI	36.0
Centrifuge 1		21.4
Centrifuge 2		20.8
Centrifuge 3		19.4
Centrifuge 4		18.9
Front-End Loader		24.1
General Site 1		-1.4
General Site 2		-2.0
General Site 3		-2.7
General Site 4		-5.0
General Site 5		-2.9
Mixing Tank 1		0.5
Mixing Tank 2		0.3
Mixing Tank 3		0.1
Mixing Tank 4		-0.5
Mixing Tank 5		-1.0
Park 1		28.9
Park 2		34.0
R2	1.FI	36.6
Centrifuge 1		15.6
Centrifuge 2		15.5
Centrifuge 3		8.2
Centrifuge 4		10.3
Front-End Loader		15.2
General Site 1		-1.0
General Site 2		-6.2
General Site 3		1.9
General Site 4		-13.6
General Site 5		-5.6
Mixing Tank 1		-15.2
Mixing Tank 2		-14.4
Mixing Tank 3		-12.9
Mixing Tank 4		-14.3
Mixing Tank 5		-13.9
Park 1		36.4
Park 2		17.3
R3	1.FI	29.1
Centrifuge 1		4.5
Centrifuge 2		10.6
Centrifuge 3		10.4
Centrifuge 4		10.2
Front-End Loader		13.1
General Site 1		-6.0
General Site 2		-6.2
General Site 3		-7.6
General Site 4		-11.0
General Site 5		-10.6
Mixing Tank 1		-9.6
Mixing Tank 2		-9.7
Mixing Tank 3		-9.7
Mixing Tank 4		-9.8
Mixing Tank 5		-9.8
Park 1		28.1
Park 2		19.9

Spectra of the Receivers

No.	Name	Floor	Time slice	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
1	R1	1.Fl	Night	23.8	32.4	24.8	27.3	28.0	26.4	20.9	7.6	-18.1
2	R2	1.Fl	Night	25.5	32.6	18.8	21.5	28.0	30.3	26.0	14.5	-16.0
3	R3	1.Fl	Night	20.6	25.0	11.8	13.7	20.4	22.7	16.4	-3.3	0.0