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Resolution Copper Mining, LLC

Lower Smelter Pond Noise Monitoring Report Superior, Arizona

December 15 2015

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Abbreviations and Acronyms

ANSI	American National Standard Institute
ARCADIS	ARCADIS-U.S., Inc.
C	Celsius
dBA	Decibel A-weighted
GPS	Geographic Positioning System
Hz	Hertz
m/s	meters per second
NM	Noise Monitor
RCM	Resolution Copper Mine
RTA	Real-Time Analyzer
SPL	Sound Pressure Level
WTF	Water Treatment Facility

1. Introduction

This report provides the results of a noise monitoring study conducted by Arcadis at the Resolution Copper Mine (RCM) Lower Smelter Pond near Superior, Arizona. The study gathered data and assessed noise levels from construction activities associated with sludge removal from the pond (Figure 1).

The project involved removal of tailings impacted soils that covered an area of approximately 5 acres, with about 300 feet of the area bordering the southern property line nearest the town of Superior. RCM had requested implementation of a program to assess noise generated by removal activities and to confirm noise impact compliance at noise sensitive locations. As a result, three noise measurement stations were located along the property boundary and a fourth was sited within the town. All were placed to have the greatest potential to measure noise generated from project activities. The study documented noise levels for a continuous monitoring period between August 18, 2015 and September 17, 2015. Work activities took place Monday through Saturday during this time period with no work taking place on Sundays.

The primary activity of this project was earthmoving, which incorporated taking soils from the area of concern and using haul trucks to move to a different area of the mine. Daily operations of a grader, excavators (track hoes), water trucks, loaders, haul trucks, a forklift, bulldozer, and light duty vehicles were in operation during the work hours from 07:00-16:30. The majority of the work was conducted by excavators that removed materials from the lower smelter pond and loaded haul trucks for transport via a haul road to another location on the mine. The haul trucks used a road which directly passed by noise monitoring locations 2, 3 & 4. The initial haul route, from August 18, was 50 to 100ft away from the noise monitoring locations. As daily operations progressed, the haul route and construction efforts moved closer to the noise monitoring locations, specifically monitors 3 and 4. After August 25 the haul route and construction boundary were 10 to 20 feet from the noise monitoring locations. (Figure 1)

The noise monitoring and resulting assessment were guided by the following standards:

- Pinal County Noise Ordinance (Appendix B)
- Rio Tinto Environmental Standard E6 (Appendix B)

A summary of Noise Fundamentals and Acoustical Terms used in this report are presented in Appendix A.

2. Methods

2.1 Noise Monitoring Methodology

To evaluate the construction efforts at the Lower Smelter Pond, four environmental noise monitoring stations were placed along the southern property line adjacent to residential receptors and within the residential community south of the Lower Smelter Pond. Noise Monitor 1 (NM 1) was placed at a residential area close to the construction area. The remaining monitors (NM 2, NM 3, and NM 4) were placed in the Lower Smelter Pond area between the construction area and the residential community. The coordinates for the four noise monitoring locations are included in Table 1. Photographs of the noise monitoring stations are presented in Figures 2-5.

Table 1 Noise Monitor Locations

Receptor	Location Description	Noise Monitor Coordinates
Noise Monitor Location 1 (NM 1)	Residential	33.292568 -111.1053839
Noise Monitor Location 2 (NM 2)	Lower Smelter Pond	33.29192718 -111.10670959
Noise Monitor Location 3 (NM 3)	Lower Smelter Pond	33.29162658 -111.10688529
Noise Monitor Location 4 (NM 4)	Lower Smelter Pond	33.2911698 -111.10774067

Noise monitoring station microphones were set at a height of 8 feet above ground level. To achieve compliance with the Pinal County Municipal Ordinance, Section 050306-ENO, each of the four noise meters were programed to collected data in 2 minute intervals using a "slow" time-interval setting. Noise data was recorded and documented in L_{eq}, L_{10}, L_{50}, L_{90}, L_{min}, and L_{max} for every logged time period interval (Appendix A). In addition to this, the measurements also recorded the 1/3 frequency octave bands. Audio files were also recorded for noise levels exceeding the established noise threshold limit and were played back to evaluate the exceedances that occurred, as well as determine whether they are due to the construction efforts or to external factors. It should also be noted that while construction only occurred during the daytime, noise monitors were recording continuously throughout daytime and nighttime periods, for a 24 hour time period.

During the monitoring period, extreme weather events occurred that temporarily shut down construction and noise monitoring for a period of time. Red and yellow events (RCM Alert Levels), indicating lightning and rain, were announced on August 25, August 27, and September 4. In addition to these data stoppages, the noise monitoring stations were temporarily shut down for routine calibrations and maintenance during the start and completion of each measurement period. During one of these weather events, on August 27, noise monitor 4 was found toppled over. However, data analysis shows that this equipment

incidence occurred after construction operations for the day. The noise meter was immediately recalibrated and found to be fit for monitoring before construction efforts began the following day.

For data comparison purposes, the weather conditions were also documented during the monitoring period as recorded by RCM's meteorological station located in an area near the sensitive receptors. The weather data documented included temperature, humidity, wind speed, and wind direction.

2.2 Noise Monitoring Equipment

The following equipment was used for the noise monitoring study:

- Four (4) Larson Davis Model 831 Sound Level Meters
- Larson Davis Model CA200 Calibrator
- Environmental Tripod Assembly

All sound level measurements presented within this report were collected in accordance with procedures that conform to the American National Standards Institute (ANSI) specifications for sound level meters ANSI SI.4-1983 (R2006). The instruments were calibrated per the manufacturer's standards which meet the National Bureau of Standards traceable calibrations. In addition, all four sound level meters were field-calibrated prior to and following each noise measurement period to ensure accuracy.

3. Applicable Noise Criteria

Pinal County Municipal Ordinance, Section 050306-ENO, provides noise threshold limits for excessive noise levels at specific identified land use areas (Appendix B). The applicable noise threshold limits for selected zoning classifications are provided in Table 2.

Table 2 Limiting Sound Levels for Land Use Districts

Zoning District Classifications	L_{eq} Limits, dBA
(Residential) CR-1A, CR-1, CR-2, CR-3, CR-4, CR-5, OS, MH, RV, MHP, PM/RVP, TR	60dBA{7am-8pm} 55dBA {8pm-7am}
(Commercial or Business) CB-1, CB-2	65dBA{7am-10pm} 60dBA{10pm-7am}
(Industrial) CI-B, CI-1, CI-2	70dBA{7am-10pm} 65dBA{10pm-7am}
(Rural) CAR, SR, SR-1, SH, GR, GR-5, GR-10	65dBA{7am-9pm} 60dBA{9pm-7am}

(a) The L_{eq} limits specified in Table 1 are L_{eq} for a two (2) minute time interval. Partial L_{eq} levels may be obtained as necessary to assure an accurate indication of the representative sound environment for the site.
(b) Sound projected from property within one (1) zoning district into property within another zoning district of a lesser sound level limit shall not exceed such lesser sound level limit.

The worst-case noise threshold limit at the Lower Smelter Pond southern property line (residential) is 60 dBA L_{eq} for the daytime period (7:00 a.m. to 8:00 p.m.). No nighttime construction took place.

4. Results

The noise monitoring results summarized over the entire noise monitoring period from 07:00 to 16:30 at each of the four monitoring sites are presented in Table 3. (See Appendix C for the complete set of 2-minute interval data from 07:00-16:30, Monday through Saturday). The data shows that the noise levels during construction hours at the residential location (NM 1) ranged from 33.3 dBA L_{eq} to 75.2 dBA L_{eq}. At the Lower Smelter Pond locations the noise levels ranged from 32.1 dBA L_{eq} to 87.9 dBA L_{eq} at NM 2, 32.3 dBA L_{eq} to 82.9 dBA L_{eq} at NM 3, and 34.0 dBA L_{eq} to 85.7 dBA L_{eq} at NM 4.

Table 3 2015 Noise Monitoring Data Results – 2 Minute Interval Time Period

Date	2 Minute Interval Time Period								Humidity (%)	Temperature (°C)	Wind Direction	Wind (m/s)
	NM 1		NM 2		NM 3		NM 4					
	L_{eq} max (dBA)	L_{eq} min (dBA)	L_{eq} max (dBA)	L_{eq} min (dBA)	L_{eq} max (dBA)	L_{eq} min (dBA)	L_{eq} max (dBA)	L_{eq} min (dBA)				
August 18th	65.9	37.9	68.4	36.4	68.8	40.4	68.7	39.2	27.4	31.6	219.6	3.2
August 19th	66.8	37.4	63.8	37.3	70.6	39.3	71.2	37.6	24.4	31.8	213.4	2.7
August 20th	56.2	38.0	72.0	38.3	70.0	40.4	70.5	34.0	35.7	32.2	210.8	2.8
August 21st	56.9	39.2	69.3	32.1	65.3	36.8	69.9	39.2	42.4	31.4	248.5	3.0
August 22nd	57.9	36.8	63.5	33.0	62.4	32.3	71.4	36.1	38.5	31.7	252.2	3.3
August 23rd *	56.0	39.2	56.9	31.2	56.7	31.4	------	------	33.8	31.9	235.4	2.4
August 24th	59.2	37.2	68.3	40.9	66.7	40.1	75.4	45.1	31.0	32.8	181.8	2.8
August 25th	77.3	39.7	78.3	44.3	78.6	43.9	78.0	54.2	41.2	30.1	139.1	3.7
August 26th	59.6	41.1	77.8	46.4	74.4	59.2	74.1	50.1	35.3	31.9	173.6	2.6
August 27th	75.2	42.7	82.2	45.0	82.9	45.8	83.7	48.2	34.6	31.8	140.7	3.4
August 28th	57.8	40.4	71.3	40.5	72.6	42.1	85.7	41.1	31.0	32.3	210.1	2.7
August 29th	57.7	35.1	72.9	35.9	69.5	72.6	81.2	37.7	25.1	34.3	132.1	2.8
August 30th *	55.1	37.3	64.3	36.4	53.7	35.6	49.6	37.7	25.8	33.5	167.2	2.7
August 31st	63.9	38.9	67.1	37.4	72.3	39.9	73.0	39.1	33.9	32.4	200.3	2.6
Sep. 1st	61.7	36.1	65.4	39.4	71.0	33.7	72.8	37.9	41.7	29.0	157.2	2.7
Sep. 2nd	55.6	37.9	60.2	38.0	64.1	38.5	71.3	39.3	36.8	30.2	201.9	2.3
Sep. 3rd	51.6	41.3	67.0	37.8	70.6	38.7	67.0	40.4	35.7	28.9	150.0	2.8

Date	2 Minute Interval Time Period								Humidity (%)	Temperature (°C)	Wind Direction	Wind (m/s)
	NM 1		NM 2		NM 3		NM 4					
	L_{eq} max (dBA)	L_{eq} min (dBA)	L_{eq} max (dBA)	L_{eq} min (dBA)	L_{eq} max (dBA)	L_{eq} min (dBA)	L_{eq} max (dBA)	L_{eq} min (dBA)				
Sep. 4th	56.6	38.8	65.9	39.1	68.0	37.2	74.7	41.0	41.0	27.7	171.6	2.7
Sep. 5th **	------	------	------	------	------	------	------	------	52.7	26.0	108.6	3.7
Sep. 6th **	------	------	------	------	------	------	------	------	34.2	30.7	199.4	1.9
Sep. 7th **	------	------	------	------	------	------	------	------	30.5	31.9	225.9	3.0
Sep. 8th	54.7	35.9	61.0	37.7	64.5	37.7	77.2	38.1	30.8	31.7	196.9	2.7
Sep. 9th	50.7	36.0	61.9	36.2	65.7	36.4	65.1	38.5	43.7	28.7	226.2	2.4
Sep. 10th	66.3	33.3	58.9	33.8	66.8	35.4	66.4	37.1	52.9	26.9	205.5	2.1
Sep. 11th	62.3	39.1	63.5	34.4	64.3	34.1	66.5	39.0	42.6	29.2	220.5	2.4
Sep. 12th	60.6	39.8	57.8	38.3	54.6	37.9	57.6	38.6	27.9	32.9	236.6	2.3
Sep. 13th *	51.4	35.6	50.3	37.3	51.5	34.3	------	------	27.1	32.6	232.1	3.0
Sep. 14th	54.8	37.3	68.2	39.4	65.4	41.0	77.0	41.2	36.0	29.3	229.1	2.8
Sep. 15th	57.2	42.0	70.4	43.5	67.5	41.9	70.3	45.6	48.3	28.2	217.6	4.3
Sep. 16th	55.1	43.6	70.1	41.5	67.2	43.3	71.4	45.1	42.8	28.4	185.6	3.9
Sep. 17th	58.3	41.9	87.9	42.3	77.3	43.4	73.4	43.9	32.0	29.5	190.3	3.3

* Indicates a Sunday, where no construction activities took place.
** Meters were shut down for the Labor Day holiday weekend starting 9/5/15 through 9/7/15.

Notes: L_{eq} = equivalent continuous sound level.
L_{90} = base sound level that is exceeded 90% of the specified time.
dBA = A-weighted decibel.
% = percentage.
°C = degrees in Celsius.
m/s = meters per second.

As shown, during the daytime construction hours there were incidents of noise levels documented above the noise threshold limit of 60 dBA L_{eq}. These exceedances were further evaluated by listening to the associated audio files to determine the primary sources and if they were construction related or not.

The first week (8/18 – 8/23) noise levels during the construction hours at the residential location (NM 1) ranged from 36.8 dBA L_{eq} to 66.8 dBA L_{eq}. At the Lower Smelter Pond locations the noise levels ranged from 32.1 dBA L_{eq} to 72.0 dBA L_{eq} at NM 2, 32.3 dBA L_{eq} to 70.6 dBA L_{eq} at NM 3, and 34.0 dBA L_{eq} to 71.4 dBA L_{eq} at NM 4. During this period, the noise monitors were 50 to 100 feet away from the haul route. The exceedances were determined to be construction related, with primary sources being haul trucks, an excavatgor, and water trucks. Secondary construction sources were a grinding tool located by NM 4 and a bulldozer using the haul route. An exception to this was heavy wind and weather conditions, which produced an exceedances across all meters on 8/23.

The second week (8/24 – 8/30) noise levels during the construction hours at the residential location (NM 1) ranged from 35.1 dBA L_{eq} to 77.3 dBA L_{eq}. At the Lower Smelter Pond locations the noise levels ranged from 35.9 dBA L_{eq} to 82.2 dBA L_{eq} at NM 2, 40.1 dBA L_{eq} to 82.9 dBA L_{eq} at NM 3, and 37.7 dBA L_{eq} to 85.7 dBA L_{eq} at NM 4. On October 25th the haul truck route was moved to within 10 to 20 feet of the adjacent noise monitors and remained so for the remaining duration of the noise monitoring. As a result of this, NM 4 had to be moved 5 to 10 feet south away from the haul route. During this time, the exceedances were determined to be construction related with a majority due to the proximity of the haul route. Primary sources included hauls trucks, an excavator, and a bulldozer. Secondary sources included a water truck that set off exceedances at NM 2 and NM 3. Exceptions to the construction related exceedances were heavy winds and weather events causing exceedances across all monitors on 8/25 and 8/29, as well as an aircraft on 8/26.

The third week (8/31 – 9/6) noise levels during the construction hours at the residential location (NM 1) ranged from 36.1 dBA L_{eq} to 63.9 dBA L_{eq}. At the Lower Smelter Pond locations the noise levels ranged from 37.4 dBA L_{eq} to 67.1 dBA L_{eq} at NM 2, 33.7 dBA L_{eq} to 72.3 dBA L_{eq} at NM 3, and 37.9 dBA L_{eq} to 74.7 dBA L_{eq} at NM 4. During this time, the exceedances were determined to be construction related with a majority due to the proximity of the haul route. The primary sources were haul trucks. Secondary sources included an excavator, a bulldozer, and water trucks.

The fourth week (9/7 – 9/13) noise levels during the construction hours at the residential location (NM 1) ranged from 33.3 dBA L_{eq} to 66.3 dBA L_{eq}. At the Lower Smelter Pond locations the noise levels ranged from 33.8 dBA L_{eq} to 63.5 dBA L_{eq} at NM 2, 34.1 dBA L_{eq} to 66.8 dBA L_{eq} at NM 3, and 37.1 dBA L_{eq} to 77.2 dBA L_{eq} at NM 4. During this time, the exceedances were determined to be construction related with a majority due to the proximity of the haul route. Primary sources were hauls trucks. Secondary sources included a tracked backhoe, a bulldozer, and water

trucks. An exception to the construction related exceedances was an aircraft setting off all monitors on 9/10. As the project progressed, the removal of materials down to the grade of the project foundation formed a berm and it slightly reduced the construction activities line of sight exposure to the community.

The fifth week (9/14 – 9/17) noise levels during the construction hours at the residential location (NM 1) ranged from 37.3 dBA L_{eq} to 58.3 dBA L_{eq}. At the Lower Smelter Pond locations the noise levels ranged from 37.3 dBA L_{eq} to 87.9 dBA L_{eq} at NM 2, 41.0 dBA L_{eq} to 77.3 dBA L_{eq} at NM 3, and 41.2 dBA L_{eq} to 77.0 dBA L_{eq} at NM 4. During this time, the exceedances were determined to be construction related with a majority due to the proximity of the haul route. Primary sources were hauls trucks. Secondary sources included an excavator, a bulldozer, and water trucks.

There were several 2-minute interval time periods that resulted in nighttime noise levels documented above the worst-case noise threshold limit of 55 dBA L_{eq} (for the nighttime period 8:00 p.m. to 7:00 a.m.). However, as there was no planned and/or actual nighttime construction activities observed, these incidental nighttime exceedances were deemed community sources and not caused by the project.

5. Conclusions

The results of the analysis of the noise monitoring data from the four stations on the southern property boundary during construction hours show that the 2-minute L_{eq} noise levels at the residential location (NM 1) ranged from 33.3 dBA L_{eq} to 75.2 dBA L_{eq}. At the Lower Smelter Pond locations the noise levels ranged from 32.1 dBA L_{eq} to 87.9 dBA L_{eq} at NM 2, 32.3 dBA L_{eq} to 82.9 dBA L_{eq} at NM 3, and 34.0 dBA L_{eq} to 85.7 dBA L_{eq} at NM 4.

During the daytime period there were exceedances where the noise levels were documented above the residential noise threshold limit of 60 dBA L_{eq} (for the daytime period 7:00 a.m. to 8:00 p.m.). These exceedances were further evaluated by listening to the associated audio files and it was determined that the primary sources of noise were construction related, with few exceptions such as weather events and aircraft.

6. References

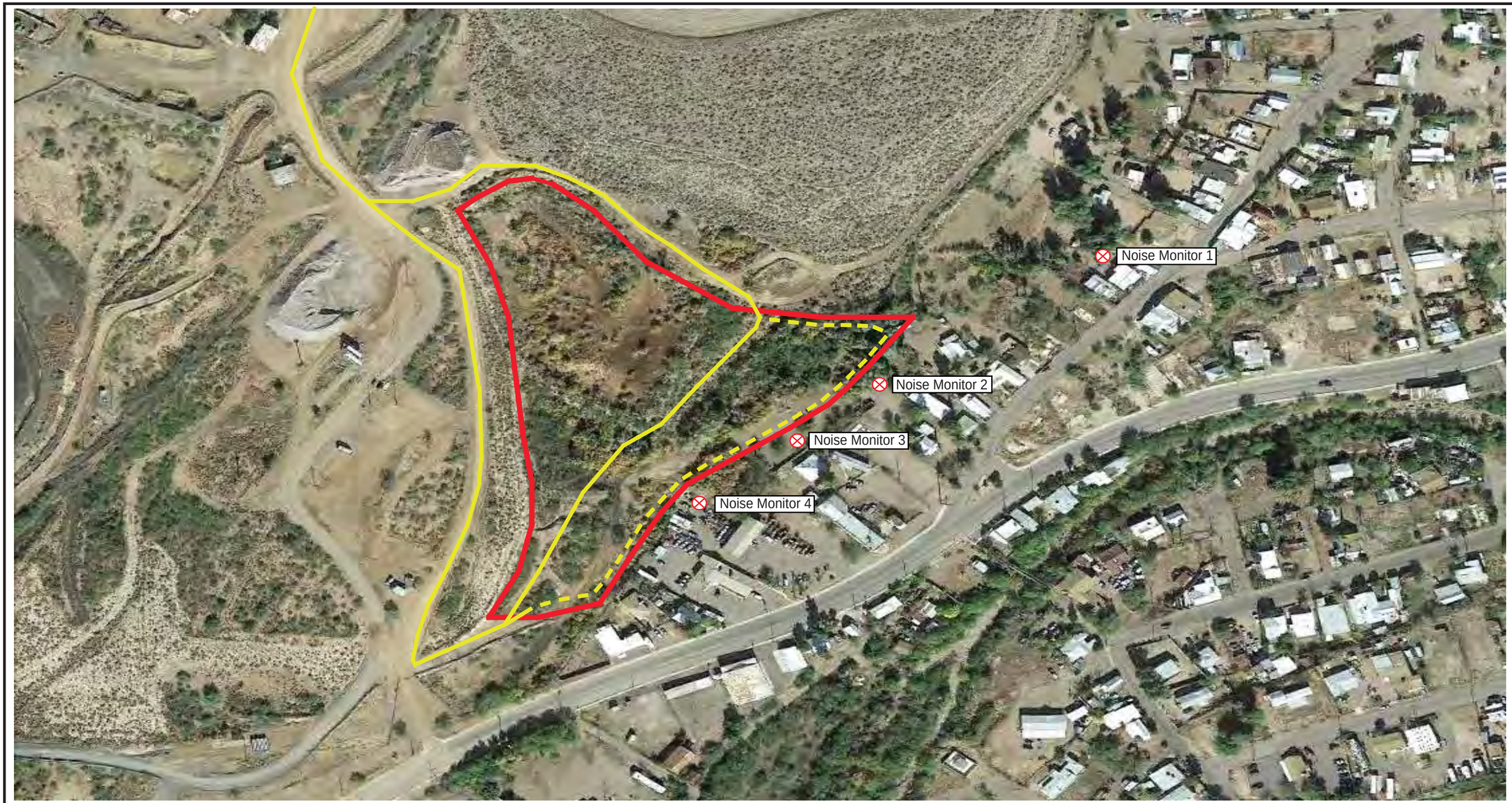
Beranek, Leo L. 1988. *Noise and Vibration Control*, Revised Edition. INCE.

Pinal County. 2011. Municiple Ordinance No. 050306-ENO: Regulation of Excessive Noises

Harris, Cyril M. 1998. *Handbook of Acoustical Measurements and Noise Control*, 3rd Edition. Acoustical Society of America.

Raichel, Daniel R. 2000. *The Science and Applications of Acoustics*.

Figures



Legend

- Project Boundary
- Haul Truck Route (8/18 - 8/24)
- Haul Truck Route (8/25 - 9/17)
- Noise Monitor

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Lower Smelter Pond
Superior, Arizona

Project Area and Haul Truck Route with Noise Monitor Locations

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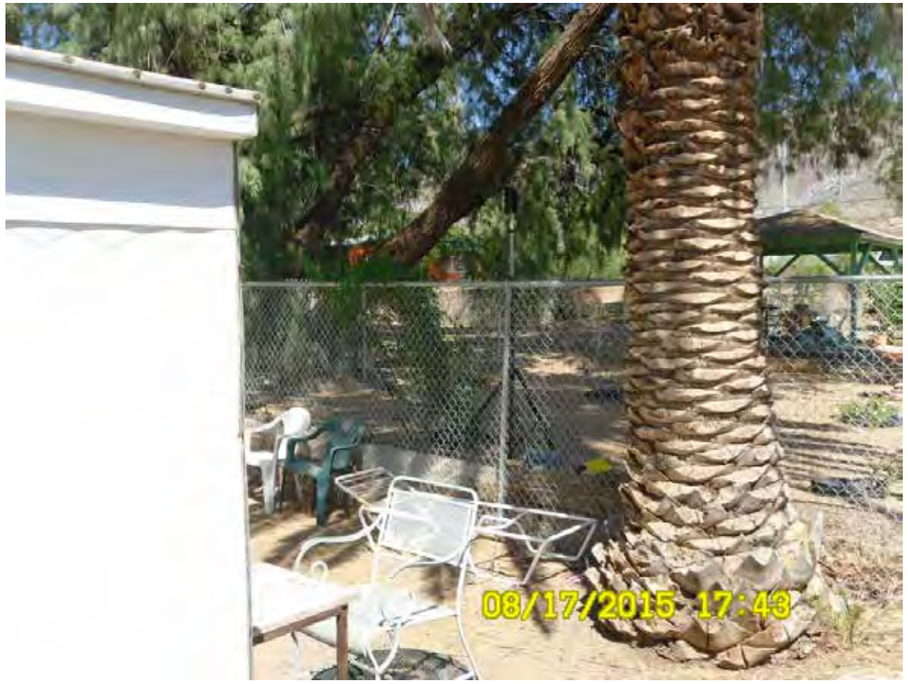
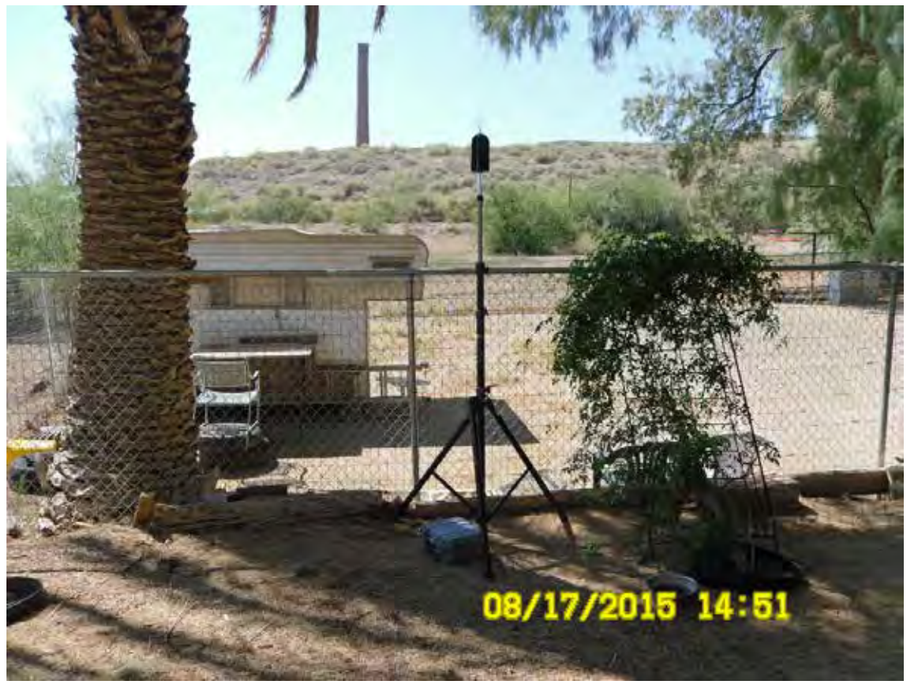
FIGURE
1





Lower Smelter Pond
Superior, Arizona

Noise Monitoring Location 1 (NM 1)
Residential Area

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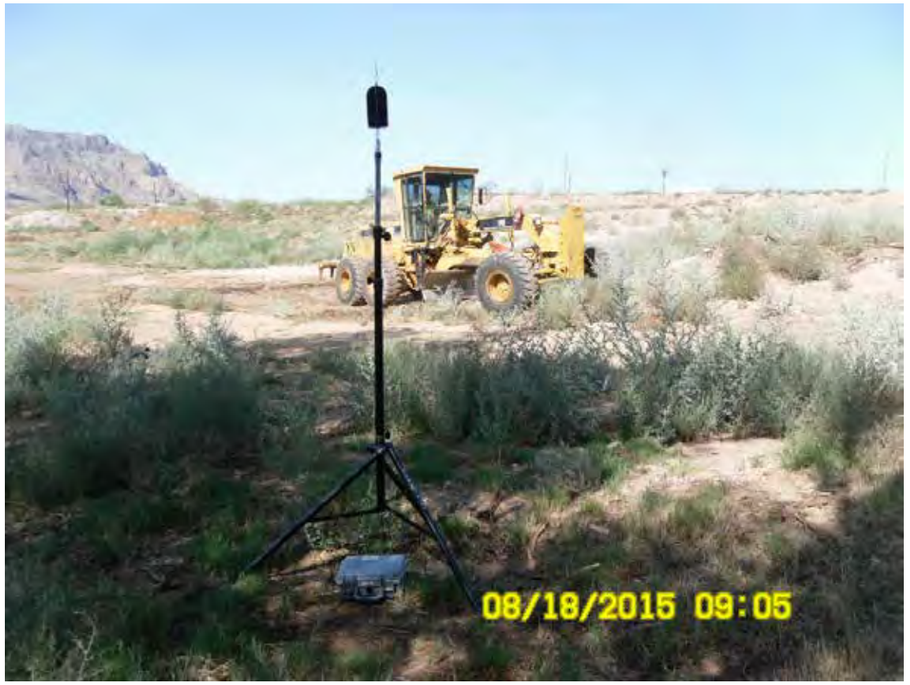
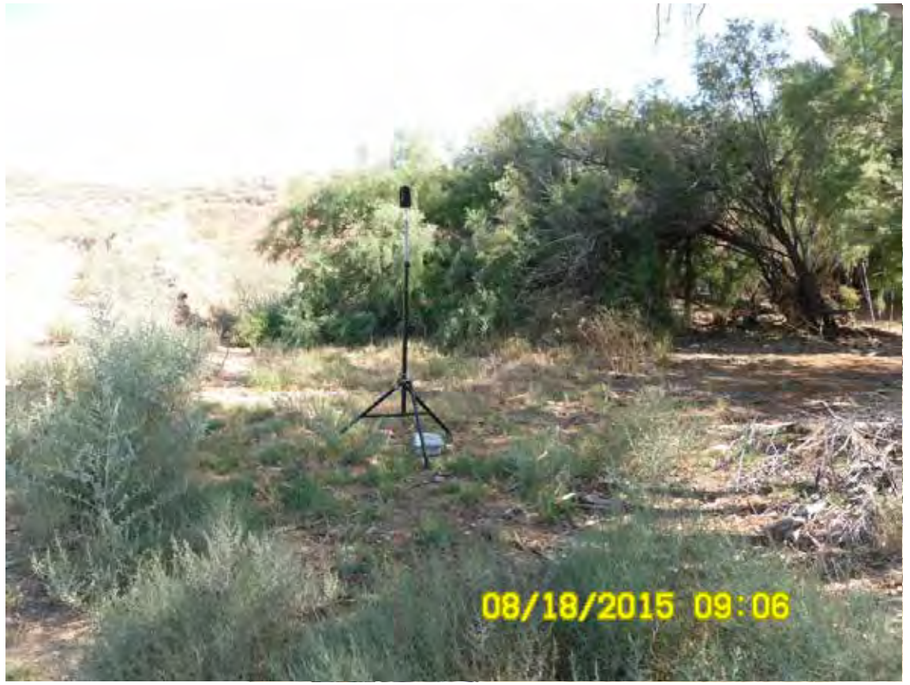
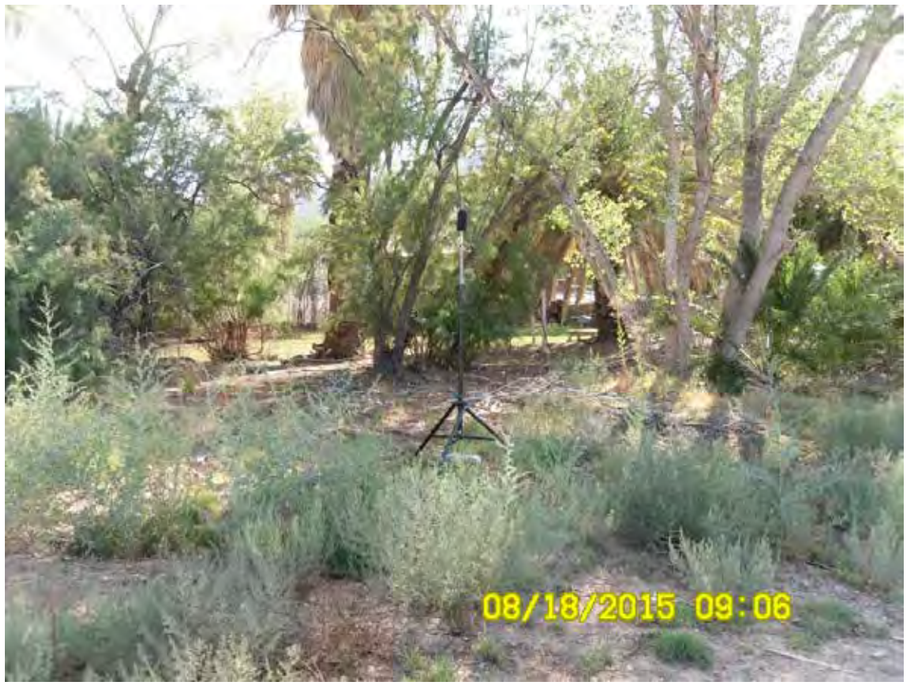
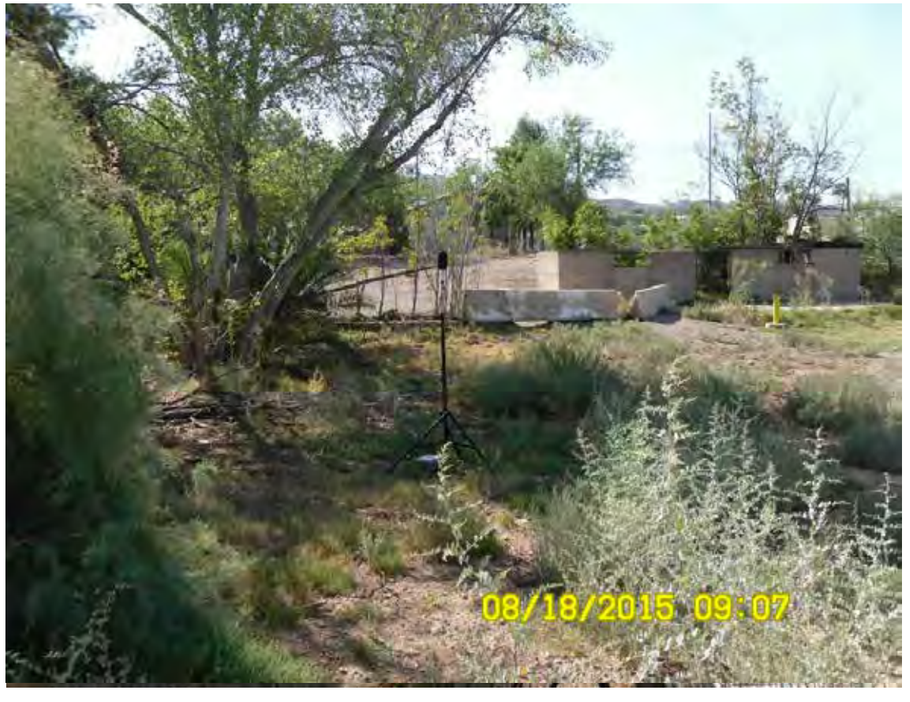
FIGURE
2









Lower Smelter Pond
Superior, Arizona

Noise Monitoring Location 2 (NM 2)
Lower Smelter pond

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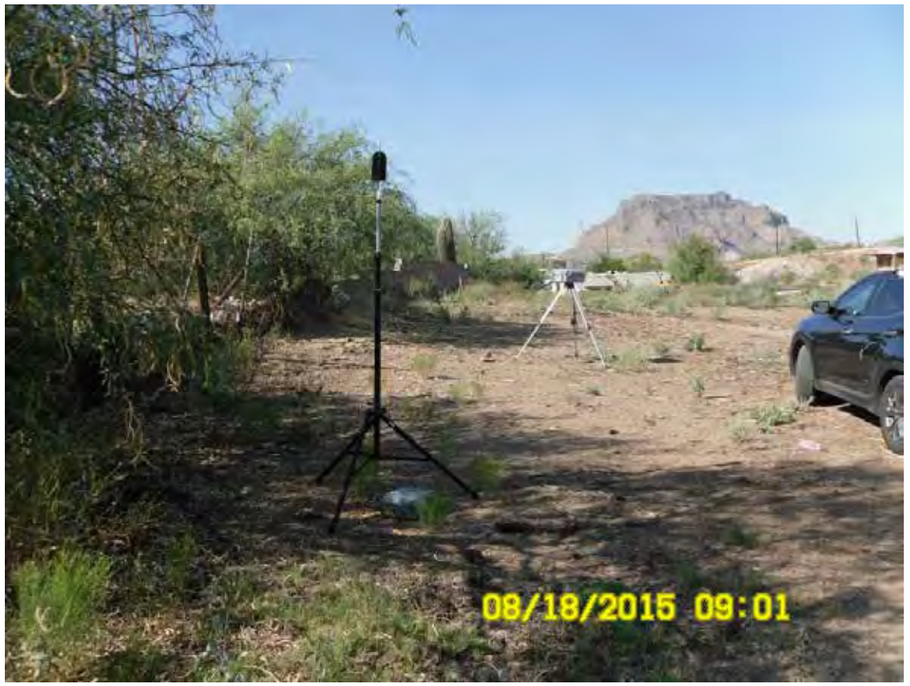
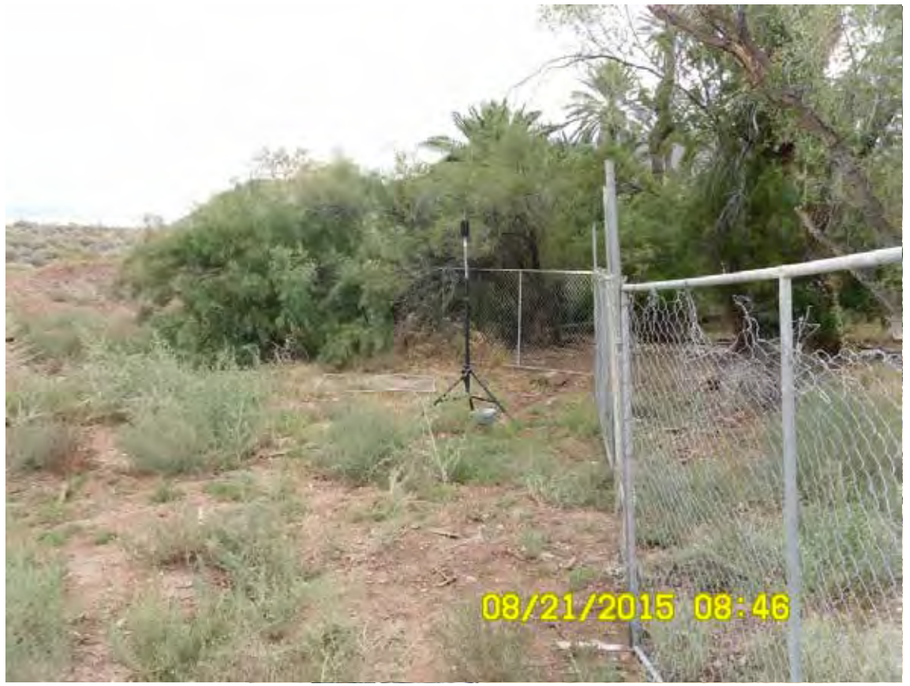
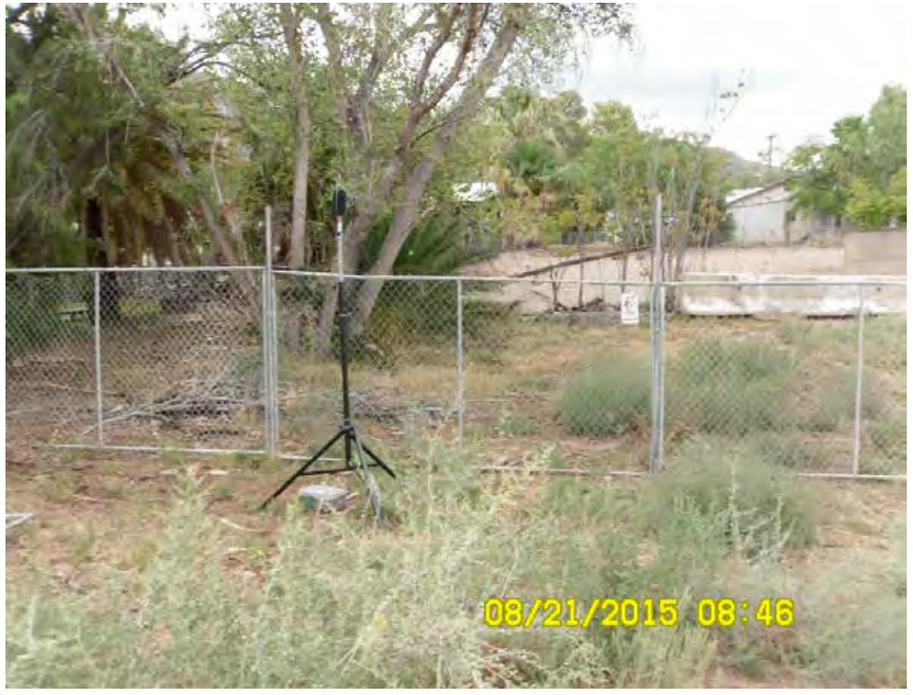
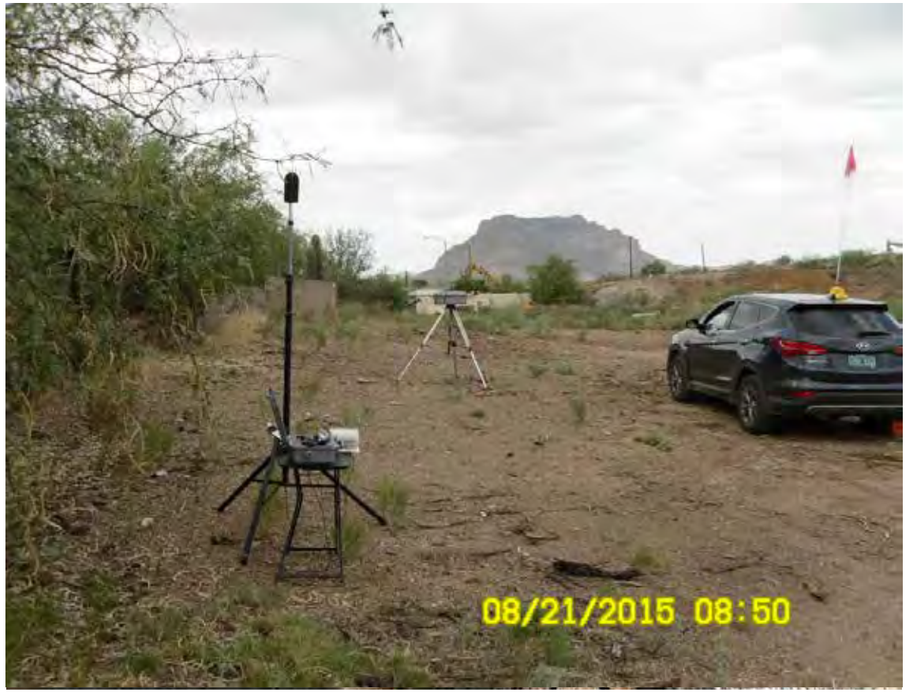
FIGURE
3









Lower Smelter Pond
Superior, Arizona

Noise Monitoring Location 3 (NM 3)
Lower Smelter pond

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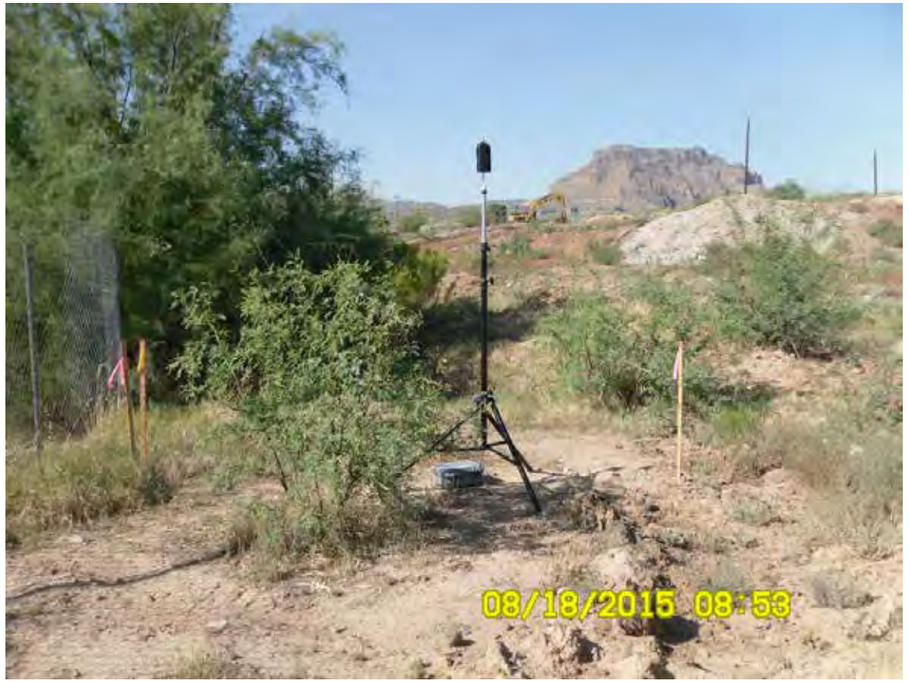
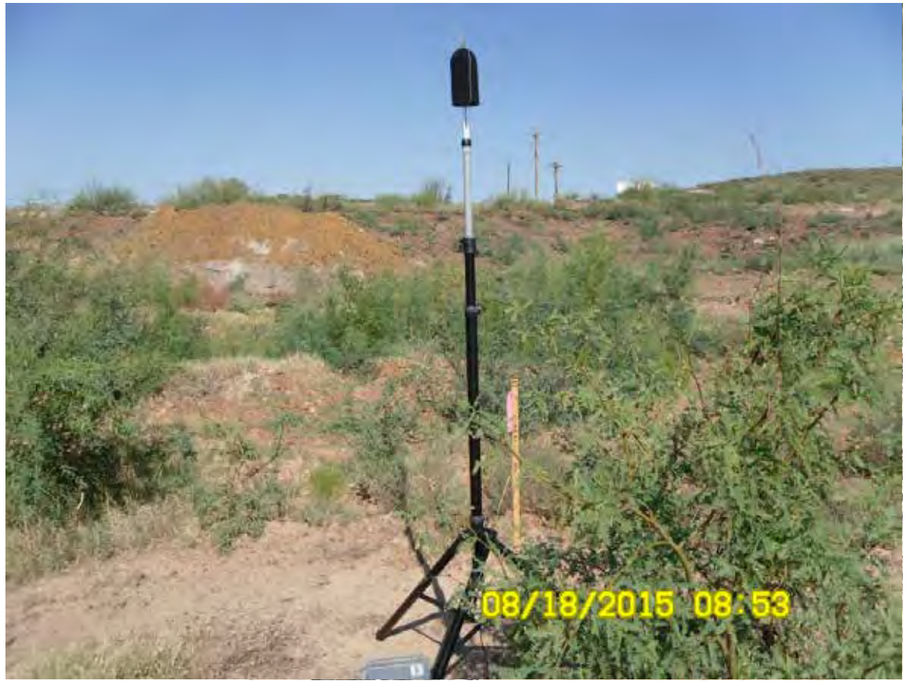
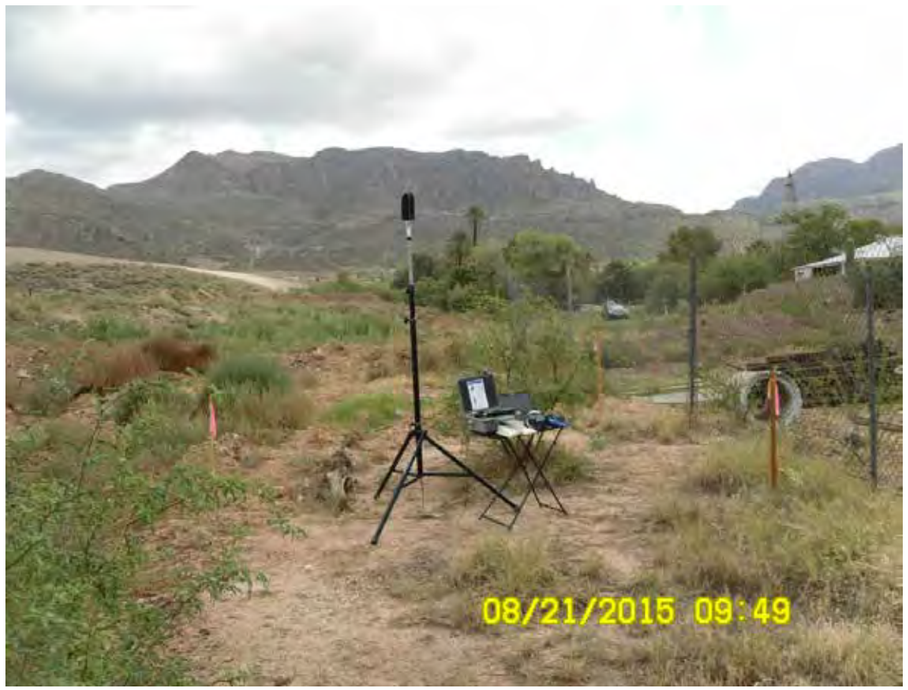
FIGURE
4







Lower Smelter Pond
Superior, Arizona

Noise Monitoring Location 4 (NM 4)
Lower Smelter pond

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FIGURE
5

Appendix A

Summary of Noise Fundamentals and Acoustical Terms

Subject: Summary of Noise Fundamentals and Acoustical Terms

Noise Background

Noise is a physical disturbance in a medium, such as air, that is capable of being detected by the human ear. Sound waves in air are caused by variations in pressure above and below the static value of atmospheric pressure. Sound is measured in units of decibels (dB) on a logarithmic scale. The “pitch” (high or low) of the sound is a description of frequency, which is measured in Hertz (Hz). Most common environmental sounds are composed of a composite of frequencies.

Human Perception of Noise

A normal human ear can usually detect sounds within frequencies from 20 Hz to about 20,000 Hz. However, humans are most sensitive to frequencies from 500 Hz to 4000Hz.Certain frequencies are given more “weight” during assessment because human hearing is not equally sensitive to all frequencies of sound. The dBA scale corresponds to the sensitivity range for human hearing. Noise levels capable of being heard by humans are measured in dBA. A noise level change of 3 dBA or less is barely perceptible to average human hearing and is considered “less than significant”. However, a 5 dBA change in noise level is clearly noticeable and is considered to be “substantial”. A 10 dBA change in noise level is considered a “significant impact” and is perceived as a doubling or halving of noise loudness, while a 20 dBA change is considered a “dramatic change” in loudness. Table 1 provides typical instantaneous noise levels of common activities in dBA.

Table 1. Typical Noise Levels

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	110	Rock Concert
Jet Fly-over at 1,000 feet	100	
Gas Lawn Mower at 3 feet	90	
Diesel Truck at 50 feet, at 50 miles per hour (mph)	80	Food Blender at 3 feet
Noisy Urban Area, Daytime Gas Lawn Mower at 100 feet	70	Vacuum Cleaner at 10 feet
Commercial Area Heavy Traffic at 300 feet	60	Normal Speech at 3 feet
Quiet Urban Daytime	50	Large Business Office, Dishwasher in Next Room
Quiet Urban Nighttime	40	Theater, Large Conference Room (Background)
Quiet Suburban Nighttime	30	Library
Quiet Rural Nighttime	20	Bedroom at Night
	10	Broadcast/Recording Studio (background level)
Lowest Threshold of Human Hearing	0	Lowest Threshold of Human Hearing

Source: Caltrans Technical Noise Supplement, October 1998

Sound Propagation and Attenuation

Sound from a source spreads out as it travels away from the source, and the sound pressure level diminishes with distance in accordance with the “inverse square law.” Individual sound sources are considered “point sources” when the distance from the source is large compared to the size of the source, for example: transformer bank, construction equipment, and turbines. Sound from a point source radiates hemispherically, which yields a 6 dB sound level reduction for each doubling of the distance from the source. If the sound source is quite long in one dimension the source is considered a “line source”, for example: roadways and railroads. Sound from a line source radiates cylindrically, which typically yields a 3 dB sound level reduction for each doubling of the distance from the source.

In addition to distance attenuation, the air absorbs a certain amount of sound energy, and atmospheric effects (wind, temperature, precipitation), and terrain/vegetation effects also influence the sound propagation and attenuation over large distances from the source.

Community Noise

An individual’s sound exposure is valued based on a measurement of the noise that the individual experiences over a specified time interval. A sound level is a measurement of noise that occurs during a specified period of time. A continuous source of noise is rare for long periods of time and is typically not a characteristic of community noise. Community noise refers to outdoor noise in the vicinity of a community and most commonly originates from transportation vehicles or stationary mechanical equipment. A community noise environment varies continuously over time with respect to the contributing sources. Within a community, ambient noise levels gradually change throughout a typical day and the changes can be correlated to the increase and decrease of transportation noise or to the daytime/nighttime operation of stationary mechanical equipment. The variation in community noise throughout a day is also due to the addition of short-duration single-event noise sources, such as aircraft and sirens as well as various natural sources.

The metrics for evaluating the community noise environment are based on measurements of the noise exposure over a period of time in order to characterize and evaluate the cumulative noise impacts. These metrics are time-varying and are defined as statistical noise descriptors.

Construction Noise

Construction activities could result in varying degrees of ground vibration, depending on the kind of equipment and operations involved, and the distances between the construction activities and the nearest sensitive receptors. The effects of ground borne vibrations generated from construction activities are typically imperceptible to an average human outside of the project site. However, high magnitude vibrations can result in damage to nearby structures within the immediate vicinity of the source.

Definitions

A-Weighted Sound Levels: Decibels (referenced to 20 micro-Pascals) as measured with an A-weighting network of a standard sound level meter, abbreviated dB(A).

Ambient Noise Level: The measured ambient noise level associated with all existing environmental, transportation, and community noise sources, in the absence of any audible construction activity.

Daytime: The period from 7:00 a.m. to 8:00 p.m.

Leq: The equivalent sound level, or the time-integrated continuous sound level, that represents the same sound energy as the varying sound levels, logarithmically averaged over a specified monitoring period.

Lmax: The instantaneous greatest noise level measured on a sound level meter during a designated time interval.

Lmin: The instantaneous lowest noise level measured on a sound level meter during a designated time interval.

Nighttime: The period from 8:00 p.m. to 7:00 a.m.

Noise Level Measurements: Unless otherwise indicated, the use of A-weighted and "slow" response of a noise monitoring instrument complying with at least Type 2 requirements as defined by the latest revision of American National Standard Institute (ANSI) S1.4 Specification for Sound Level Meters.

Sensitive Receptor Location: A location of regulatory compliance where particular sensitivities to noise exist, such as residential areas, institutions, hospitals, parks, or other environmentally sensitive areas.

Sound Pressure Level (SPL): The observable effect of acoustic energy radiation, quantifying the sound level as perceivable by the receiver. When Sound Pressure is used to describe a noise source, the distance between source and receiver must be known in order to yield useful information about the power rating of the source.

References

Beranek, Leo L, *Noise and Vibration Control*, Revised Edition, INCE, 1988.

Caltrans, Technical Noise Supplement, October 1998

Harris, Cyril M., Handbook of Acoustical Measurements and Noise Control, 3rd Edition, Acoustical Society of America, 1998.

Raichel, Daniel R, The Science and Applications of Acoustics, 2000.

Appendix B

Applicable Noise Criteria

ORDINANCE NO.___050306-ENO as Amended by 031611-ENO-01

AN ORDINANCE OF THE BOARD OF SUPERVISORS OF PINAL COUNTY, ARIZONA, TO BE KNOWN AS THE PINAL COUNTY EXCESSIVE NOISE ORDINANCE

IT IS HEREBY ORDAINED by the Board of Supervisors of Pinal County as follows:

REGULATION OF EXCESSIVE NOISES

1.0 Applicability.

This ordinance shall not apply to any incorporated city, town or Indian reservation. It shall apply only within the unincorporated areas of the county.

2.0 Authority and Purpose.

This ordinance is hereby adopted under the authority granted the Board of Supervisors in A.R.S 11-251.05 to adopt and amend ordinances necessary or proper to carry out the duties, responsibilities and functions of the County and is adopted for the purpose of regulating excessive noises pursuant to the County's police powers set forth in A.R.S 11-251 (31).

It is hereby declared to be the policy of Pinal County to prohibit any noise which exceeds the decibel level set out in Sections 6.0(A) and 6.0(B). At and above certain levels, such noises are unreasonable, excessive and detrimental to the health and welfare of the citizens of the county, and it is in the best interest of the citizens of Pinal County that such excessive noises be systematically eliminated.

3.0 Excessive Noise Violation.

It shall be unlawful and a violation of this ordinance for any person to knowingly and/or intentionally make continue, or cause to be made or continued, or to allow or permit any excessive noise as defined in Section 4.0.

4.0 Definitions.

A-WEIGHTED SOUND PRESSURE LEVEL: The sound pressure level as measured with a sound level meter using the A-weighting network. The standard notation is dB(A) or dBA.

COMMERCIAL PROPERTY:
Commercial property means any property occupied by businesses, store or shop which shall be a retail establishment where all products shall be sold on the premises.

DECIBEL (dB): A unit for measuring the volume of a sound equal to twenty (20) times the logarithm to the base ten (10) of the ratio of the pressure of the sound measured to the reference pressure, which is twenty (20) micropascals (20 micronewtons per square meter), denoted as dB.

EMERGENCY VEHICLE: Vehicles of the fire, police, and public service departments and legally authorized ambulances and emergency vehicles of state departments or any political subdivisions thereof and vehicles of public service corporations.

EMERGENCY WORK: Any work performed to prevent or alleviate physical trauma or property damage threatened or caused by an emergency which has or may result in a disruption of service and which is necessary to protect the health, safety, and welfare of persons or property.

EXCESSIVE NOISE: Any sound measured according to the criteria of Section 5.0 which exceeds the levels set out in Section 6.0.

GROSS VEHICLE WEIGHT RATING (GVWR): The value specified by the manufacturer as the recommended maximum loaded weight of a single-motor vehicle. In cases where trailers and tractors are separable, the gross combination weight rating (GCWR), which is the value specified by the manufacturer as the recommended maximum loaded weight of the combination vehicle, shall be used.

INDUSTRIAL PROPERTY:
Industrial property means any property occupied by land uses whose primary operation involves manufacturing, assembling, processing or otherwise treating raw materials, semi-finished products, or finished products for packaging and distribution to either wholesale or retail markets.

LEQ: (Equivalent Sound Level) The constant level that over a given period transmits to the receiver the same amount of acoustic energy as the actual time-elapsed sound.

LEGAL HOLIDAY: Those holidays so designated by Pinal County in its Personnel Rules.

MOTOR VEHICLE: Every self-propelled device in, upon, or by which any person or property is, or may be, transported upon a public highway, excepting devices used exclusively upon stationary rails or tracks and aircraft.

MUFFLER: A device for abating the sound of escaping gases from an internal combustion engine.

NOISE: The same meaning as “sound pressure level” as hereinafter defined.

PROPERTY LINE: The line which represents the legal limits of real property (including an apartment, condominium, room or other dwelling unit) owned, leased or otherwise

occupied by a person, business, corporation or institution. In cases involving sound from an activity on a public street or other public right-of-way, the property line shall be the nearest boundary of the public right-of-way.

RESIDENTIAL PROPERTY: Any property, the dominant use of which is non-transient occupancy of residential dwelling units.

SITE-SPECIFIC SOURCE OF NOISE: A source of sound which is found on a specific site or tract of land and which originates from that site even though the specific source of the sound generation may be mobile.

SOUND: Temporal and spatial oscillation in pressure, particle displacement, particle velocity, or other physical parameter in a medium with internal forces that causes progressively alternative compression and rare fraction of that medium and which propagates at finite speed to distant points and can evoke an auditory sensation.

SOUND LEVEL METER: An instrument which includes a microphone, amplifier, RMS (root mean square) detector, integrator or time averager, output meter, and weighting networks used to measure sound pressure levels.

SOUND PRESSURE: The instantaneous difference between the actual pressure and the average or barometric pressure at a given point in space as produced by sound energy.

SOUND PRESSURE LEVEL: Twenty (20) times the logarithm to the base ten (10) of the ratio of RMS sound pressure to the reference pressure of twenty (20) micropascals (20 x 10-N/m). The sound pressure level is denoted Lp or SPL and is expressed in decibels (db).

STREET: A way, existing or proposed, for vehicular traffic whether designated as a street, highway, thoroughfare, parkway, throughway, freeway, road, roadway, boulevard, avenue, lane, place, or however otherwise designated.

STREET, COLLECTOR: A street, existing or proposed, collecting traffic from local streets, and connecting the same with a major street, or another collector street.

STREET, LOCAL or MINOR: A street, existing or proposed, exclusively or primarily providing access and utilities to abutting properties.

STREET, MAJOR: Such major street, highway, thoroughfare, parkway or boulevard and all section lines so designated on the Pinal County Comprehensive Plan.

5.0 Sound Level Measurement Criteria.

For the purpose of enforcement of the provisions of this ordinance, noise levels shall be measured on the A-weighted scale with a sound level meter satisfying at least the applicable requirement for Type 2 sound level meters as defined in American National

Standard SI.4-1971 or the most recent revisions thereof. Prior to measurement, the meter shall be set for slow response speed, except that for rapidly varying sound levels, fast response speed may be used. Prior to measurement, the meter shall be verified and calibrated according to the manufacturer's specifications.

6.0 Enumeration of Excessive Noises.

The following enumerated acts or conditions may produce excessive and unreasonable noise which violates the provisions of this ordinance.

(A) Land Use Noise.

1. Classification of Use Districts (Residential, Rural, Commercial, Industrial). Zoning district classifications shall be as set out in Article 5 of the Pinal County Zoning Ordinance and shall for purposes of this ordinance be distinguishable as Residential, Commercial, Rural and Industrial land use classifications, within which sound levels of Table 1 below shall be locally measurable and applied by the use of LEQ levels as defined in Section 4.0 and measured in accordance with the methods set forth in Section 5.0 for purposes of evaluating an alleged violation of this ordinance.

2. Violations. It shall be unlawful and a violation of this ordinance for any person to operate or to permit to be operated any site-specific source of sound which when measured at any point of the property line where the noise emission is generated:

   (a) Creates a sound level in excess of its ambient sound pressure level (Leq) limit, indicated on Table 1 below:

TABLE 1 - LIMITING SOUND LEVELS FOR LAND USE DISTRICTS	
Zoning District Classifications	Leq Limits, dBA
(Residential) CR-1A, CR-1, CR-2, CR-3, CR-4, CR-5, OS, MH, RV, MHP, PM/RVP, TR	60dBA{7am-8pm} 55dBA {8pm-7am}
(Commercial or Business) CB-1, CB-2	65dBA{7am-10pm} 60dBA{10pm-7am}
(Industrial) CI-B, CI-1, CI-2	70dBA{7am-10pm} 65dBA{10pm-7am}

(Rural) CAR, SR, SR-1, SH, GR, GR-5, GR-10	65dBA{7am-9pm} 60dBA{9pm-7am}

The LEQ limits specified in Table 1 are LEQ for a two (2) minute time interval. Partial LEQ levels may be obtained as necessary to assure an accurate indication of the representative sound environment for the site.

(b) Sound projected from property within one (1) zoning district into property within another zoning district of a lesser sound level limit shall not exceed such lesser sound level limit.

(B) Vehicle Noise.

1. Vehicle Noise Limits. No person shall operate either a motor vehicle or combination of vehicles at any time upon any street or paved surface or under any condition of grade, load, acceleration, or deceleration in such a manner as to exceed the following noise limit for the category of motor vehicle, based on a distance of fifty feet (50') or fifteen (15) meters from the center of the street, paved surface, or from the actual motor vehicle or combination of vehicles:

TABLE 2 - SOUND PRESSURE LEVEL LIMITS
FOR MOTOR VEHICLES
(Measured at 50 Feet or 15 meters)

Vehicle Class	Operated on a Local Street	Operated on a Paved Surface or Major Street
Motor vehicles with a manufacturer=s gross vehicle weight rating (GVWR) or gross combination weight rating (GCWR) of 10,000 pounds or more or any combination of vehicles towed by such motor vehicle.	86 dBA	90 dBA
Any other motor vehicle or any combination of vehicles towed by any such motor vehicle.	76 dBA	82 dBA
Motorcycles operated upon the public streets, roads, or highways.	82 dBA	86 dBA

2. Vehicle Repairs. It shall be unlawful for any person within any residential area of the County to repair, rebuild, or test any motor vehicle between the hours of ten (10:00) P.M. of one day and seven (7:00) A.M. of the next day

in such a manner as to create an excessive noise pursuant to Table 1 of Section 6.0.

3. Mufflers. No person shall operate or cause to operate any motor vehicle unless the exhaust system of such vehicle is:

   (a) Free from defects which may cause sound level magnification;

   (b) Equipped with a muffler; and

   (c) Not modified in a manner which will amplify or increase the sound level emitted by the motor of such vehicle above the sound levels provided for in Table 2 of Section 6.0.

Section 7.0 Loud Radios and Sound Sets

It shall be unlawful for any person, including the owner or manager of any business, to operate or permit to be operated any radio receiving set, phonograph, musical instrument, and sound producing mechanism, at any time in such a manner as to permit the same to be heard at a distance of more than one hundred twenty-five (125) feet from the property line or motor vehicle where such radio receiving set, phonograph, and or sound producing is located.

Section 8.0 Construction of Buildings and Other Projects.

A. Noise limitations: Subject to the provisions of Section 6.0, it shall be unlawful for any person to operate equipment or perform any outside construction or repair work on buildings, structures or projects, or to operate any pile driver, power shovel, pneumatic hammer, derrick, power hoist or any other construction type device except within the time periods specified below unless an appropriate permit has been obtained beforehand from the county.

B. Construction start/stop times:

   1. Concrete work: From April fifteenth to October fifteenth, inclusive, concrete may be poured each day between the hours of 5:00 a.m. and 7:00 p.m. or at such other times as authorized by permit. From October sixteenth to April fourteenth, inclusive, concrete may be poured each day between the hours of 6:00 a.m. to 7:00 p.m. or at such times as authorized by permit.

   2. Other type construction (residential property/zoning districts listed in Table 1 of Section 6.0): From April fifteenth to October fifteenth, inclusive, all other construction or repair work shall not begin prior to 6:00 a.m. and must stop by 7:00 p.m. each day, in or within five hundred (500) feet of a residential property, or at such other times as authorized by

permit. From October sixteenth to April fourteenth, inclusive, all other construction or repair work shall not begin prior to 7:00 a.m. and must be stopped by 7:00 p.m. each day, in or within five hundred (500) feet of a residential property, or at such other times as authorized by permit.

3. Other type construction (non-residential property): Construction and repair work in non-residential areas, not within five hundred (500) feet of a residential property, shall not begin prior to 5:00 a.m. and must stop by 7:00 p.m. or at such other times as authorized by permit.

4. Weekends and holidays excluded: Notwithstanding anything to the contrary herein, construction or repair work shall not begin prior to 7:00 a.m. and must stop by 7:00 p.m., and concrete pouring shall not begin prior to 6:00 a.m. and must stop by 7:00 p.m., on any Saturday, Sunday or legal holiday, unless such other times are authorized by permit.

C. Permits: Construction and repair work may be conducted at different times and at higher noise levels than otherwise permitted, if upon written application, a permit is obtained beforehand from the Planning and Development Services Director or his designee. The permit shall be kept on the work site and shown to county officials on request. In granting such permit, the Planning and Development Services Director or his designee shall consider if construction noise in the vicinity of the proposed work site would be less objectionable at night than during the daytime because of different population levels or different neighboring activities; if obstruction and interference with traffic, particularly on streets of major importance, would be less objectionable at night than during the daytime; if the kind of work to be performed emits noises at such a low level as not to cause significant disturbance in the vicinity of the work site; if the neighborhood of the proposed work site is of such a character wherein sleep could be disturbed; if great economic hardship would occur if the work was spread over a longer time; if the work will abate or prevent hazards to life or property; if proposed early morning or night work is in the general public interest; and, he shall prescribe such conditions, working times, types of construction equipment to be used, and permissible noise emissions as he deems to be required in the public interest. No permit shall be required to perform emergency work as defined in Section 4.0.

D. Revocation of permits: The Planning and Development Services Director or his designee may revoke any permit granted hereunder upon complaint based upon substantial evidence that the construction activity caused significant disturbance in the vicinity of the work site.

Section 9.0 Exemptions.

The following uses and activities shall be exempt from the provisions contained in this article:

A. Heating and cooling equipment when it is functioning in accordance with the manufacturer's specifications and is in proper operating condition provided that no unit may create an excessive noise pursuant to Table 1 of Section 6.0;

B. Landscape maintenance equipment when it is functioning in accordance with the manufacturer's specifications and with all mufflers and noise-reducing equipment in use and in proper operating condition;

C. Non-amplified crowd noises resulting from activities such as those planned by school, governmental or community groups, or organized sports, except for such noises generated at restaurants, bars, inns, or resorts of any kind;

D. Noises of safety signals, warning devices and emergency pressure relief valves;

E. Noises resulting from any authorized emergency vehicle when responding to an emergency call or acting in time of emergency;

F. Noises resulting from emergency work as defined in Section 4.0;

G. Noises from the normal operation of railroad trains;

H. Noises from a religious institution's percussion instruments;

I. Power plant equipment during normal operation;

J. Noise created by any county vehicle, equipment or facility while being operated for official use;

K. Operation of agricultural equipment in connection with farming operations;

L. Any aircraft operated in conformity with, or pursuant to, federal law, federal air regulations or air traffic control instructions issued pursuant to or within duly adopted federal air regulations, together with any noise created by aircraft operated under, or pursuant to, declaration of an emergency under federal air regulations; and

M. Any special event as approved by the Board of Supervisors.

N. Motorized sporting events which have successfully completed either the site plan or the commercial site plan review process. Uses approved shall not exceed 120 decibels level at the property line of the event.

Section 10.0 Penalty.

A violation of any provision of this article shall be deemed and is declared to be a public nuisance and any person who violates any of the provisions of this article is subject to being prosecuted for the class 1 misdemeanor offense of disorderly conduct pursuant to

A.R.S. §13-2904. Each day a violation continues or exists shall be considered a separate offense subject to punishment as a separate class 1 misdemeanor. In addition, a violation of this ordinance that is deemed to be a public nuisance may be pursued as a civil infraction with fines of up to $ 750.00. Each day of a continuing violation is a separate violation for the purpose of imposing a separate penalty. The Board of Supervisors, County Attorney, Code Compliance Manager, or any adjacent or neighboring property owner who shall be especially damaged by the violation of any provision of this Ordinance, in addition to other remedies provided by law, may institute injunction, abatement or any other appropriate action or proceedings to prevent or abate this type of public nuisance.

Section 11.0 Severability.

In any provisions of this ordinance, or the application thereof to any person or circumstance, is invalid, that invalidity shall not affect other provisions or applications of this ordinance which can be given effect without the invalid provisions or applications, and to this end the provisions of this ordinance are severable.

Section 12.0 Effective Date.

This ordinance may go into full force and effect after thirty (30) days from the date of enactment.

PASSED AND ADOPTED by the Board of Supervisors, Pinal County, Arizona, this 3rd day of May, 2006.

Ordinance 050306-ENO effective January 24, 2007

AMENDED by the Board of Supervisors, Pinal County, Arizona, on the 16th day of March, 2011.

Ordinance 031611-ENO-01 effective April 13, 2011

Rio Tinto

Health, Safety and Environment

Noise and Vibration Control – Guidance Note, Version 2

5 January 2011

Contents page

Purpose

The Noise and Vibration Control Standard specifies a number of requirements against which Rio Tinto Business Units and managed operations will be audited. The Standard generally addresses what must be done but does not specify how each clause should be implemented. The purpose of this Guidance Note is to assist Rio Tinto Business Units, managed operations and auditors, to interpret and address the requirements of the standard. This note provides more explanation or detail on key requirements where considered necessary, suggests how the requirements can be achieved, and provides information on good industry practice.

Other relevant documents are:

- HSEQ Management System Standard and Guidance
- Land-Use Stewardship Standard and Guidance Note
- Biodiversity Guidance Note
- Hearing Conservation Occupational Health Standard and Guidance Note

The Guidance Note is non-mandatory. However, in assessing a Business Unit's compliance with the Standard, reviewers and auditors should expect general conformance to this Guidance unless the Business/Operation can demonstrate that it meets the intent of the Standard by an alternative approach.

The environmental management principles outlined in the Standard and discussed in this Guidance Note should be applied to all managed operations from exploration/development through to closure. It applies to all the operation's activities, including ancillary activities such as power generation or off-site transport where the operation is responsible for these activities.

Occupational noise and vibration exposure is not covered by this Guidance Note but rather by the Occupational Health standards for Hearing Conservation and Manual Handling and Vibration.

Guidance Revision

The guidance note will be updated periodically, with relevant information being added as it becomes available. All practitioners with an interest or specialist skill in the subject of the guidance note are welcome to comment, make suggestions for improvement or offer best practice examples.

Deleted Clauses

Clause 2.2 has been deleted from the standard. The intent of this clause is adequately covered by other clauses in the standard.

Requirements of the Standard

Rio Tinto Business Units and managed operations are required to:

1 Planning

Noise is commonly defined as unwanted or disturbing sound. Noise becomes a cause for concern when it can impact health or interferes with normal activities such as sleeping and conversation. Although hearing loss is most commonly associated with chronic noise exposure, other human health effects can include stress related illness, high blood pressure and sleep deprivation (USEPA, 2010). These other impacts can occur well below the 85 dB(A) threshold associated with noise induced hearing loss. Casual conversation can become difficult above about 55 dB(A) and noise above about 45 dB(A) can interfere with sleep. Noise may also cause annoyance at relatively low intensities and can prompt community complaints. Noise can also affect many animal species causing them to avoid otherwise favorable habitats, abandon nesting sites, and modify behaviour leading to decreased food intake, increased energy demand and/or declining reproductive success. Noise pollution alone can thus severely degrade the quality of habitat for sensitive species with potentially adverse impacts on biodiversity. These potential impacts can affect a broad range of bird and mammal species (Barber and others, 2010). Underwater noise and vibration caused by activities such as pile driving can injure fish and marine mammals or cause them to avoid noisy areas (Slabbekoorn and others, 2010).

Although vibrations can be generated by stationary machinery and vehicles, significant offsite vibration impacts are most commonly associated with blasting. When a blast detonates, most of the energy is consumed to fracture or displace the rock. However some energy travels outward through the surrounding geologic materials as ground vibrations (body and surface waves) and other energy is transmitted to the atmosphere as noise (airblast). Airblast is measured in decibels but, unlike other noise, no weighting scale is used. Therefore, the results are expressed as dB(linear) (rather than dB(A)). At low dB levels airblast may act as a nuisance noise, but at very high levels hearing loss and structural damage become more likely (>150 dB(linear) may break windows). Ground vibration intensity is typically measured as peak particle velocity (mm/second or inches/second). Particle velocities of less than 1 mm/sec can be perceptible to people and may result in complaints, but impacts to buildings are unlikely to occur until velocities reach values in the 10 to >50 mm/sec range depending on building construction and vibration frequency (Rosenthal and Morlock, 1987). Ground vibration may also cause harm to borrowing animals, troglofauna (terrestrial subterranean animals) and stygofauna (aquatic subterranean animals).

Good planning is essential to mitigate noise, vibration and airblast impacts, which might otherwise lead to unacceptable harm to the community or the natural environment. Planning and implementation of noise and vibration programs will typically involve the following steps:

- Characterization of baseline conditions and identification of potential human and environmental receptors;

- Identification of equipment, processes and operations (if any) which may produce unacceptable noise and/or vibration impacts (can be done in concert with occupational noise monitoring);
- Measurement and/or modeling of noise and vibration impacts at the property line and/or at the most at-risk receptors, and comparison to applicable local requirements or internationally recognized guidelines;
- Selection and implementation of appropriate control and mitigation strategies (if needed) to ensure noise and vibration impacts remain within acceptable levels; and
- Ongoing performance monitoring (if needed) to ensure receiving environment criteria are being met on a long term basis.

1.1 Baseline Assessment (clause 1.1)

Clause 1.1

Develop, document and maintain knowledge of:

a) the baseline, and for existing operations, background noise and vibration levels; and

b) the key receptors and impacts that may result from noise and vibration emissions.

At-risk receptors (if any) must be identified as part of the initial baseline assessment. Depending on the noise or vibration source, propagation characteristics and receptor sensitivity, potential impacts may be possible hundreds of meters to several kilometres from the point of generation. Noise propagates more readily over water and over areas without topographic barriers such as hills, so the geographic setting must be considered when identifying at-risk receptors. Similarly ground vibration propagates more readily through some geologic materials and structures, so the underlying geology must be considered when identifying at-risk receptors. As conditions change key receptors and locations may need to be added or removed from the initial list. The most common locations to consider are nearby:

- residences or residential communities (note this may include mine or construction camp housing);
- parks or open space;
- heritage buildings;
- sensitive facilities such as schools, churches and hospitals;
- lands with high biodiversity or ecosystem service value such as areas used by threatened or endangered species;
- farming, ranching, commercial or industrial facilities.

Background or baseline noise or vibration is the underlying level of noise or vibration present in the environment, excluding the source(s) under investigation. If it is not required by local regulation, background monitoring may not be needed at existing lower risk facilities that operate continuously and which have no sensitive nearby receptors, no adjacent noise or vibrations sources that must be characterized, and/or no potential noise or vibration sources which could cause harm or annoyance. In these cases, a well designed monitoring program that is conducted during operation is likely to be sufficiently

protective and background monitoring may not be necessary (see guidance for clauses 1.3 and 1.4).

If needed, measurement of background noise and vibration should be made at locations used by the most at-risk receptors. Some jurisdictions may require that monitoring be conducted at the property line, even if potential receptors are located well beyond the property line. Monitoring may even need to occur within the property line if important receptors such as camp housing or sensitive habitats may be impacted by noise and vibration. Specialist advice should be sought for operations where the potential risk to the community or environment is high or where required by regulation.

Noise intensity is measured using sound level meters which detect and record changes in sound pressure. It is often important to measure background noise so that baseline average and maximum noise intensity can be established, so that impacts from other noise sources in the area can be determined and to assess the intrusiveness of noise from the Rio Tinto operation. The surveys of ambient noise should be conducted over sufficient time periods to reflect the conditions typically experienced at the location and not unduly influenced by seasonal, meteorological or intermittent noise sources. The duration of the monitoring will in part be based upon local regulatory requirements, the character of the local noise sources (intermittent or continuous) and the risks posed by the operational noise sources. Typically, continuous monitoring at each location for one day to several weeks is required. Monitoring at night may be particularly important because acceptable noise levels are commonly lower at night. The documents “New South Wales Industrial Noise Policy” (2000) and “Australian Standard 1055 - Description and Measurement of Environmental Noise” (1997) provide good guidance on both baseline and operational noise monitoring.

Ambient noise monitors vary in sophistication based on how they measure and classify ambient noise. Simple cost efficient monitors typically measure an integrated noise number expressed in dB(A) and do not take into account the direction of noise in their measurements. These simple monitors are likely sufficient at most lower risk sites that don’t generate much noise or don’t have any sensitive receptors. More sophisticated noise monitors measure the noise intensity for each frequency band as a function of direction of the noise. Categorizing the noise as a function of frequency may allow differentiation of different noise sources, such as, for example, nearby vehicle or insect noise from more distant low frequency noise.

Hydrophones may be used underwater to measure noise from activities such as pile driving and boat traffic. The document “Technical Guidance for Assessment and Mitigation of Hydroacoustic Effects of Pile Driving on Fish” (2009) provides good guidance on underwater noise monitoring.

Background vibration monitoring is much less likely to be required, particularly for operations that do not conduct blasting operations, but may be needed in areas that could be impacted by vibration caused by ambient sources such as road or rail traffic, conveyors or blasting conducted by neighbouring mining operations or construction activities. Vibration is detected using transducers (microphones, geophones or accelerometers) and recorded with digital equipment (seismographs or DAT recorders). Ideally, the waveforms should be recorded so that the magnitude and frequency of the vibrations can be determined. Measurement can be continuous (where the instrument continually logs vibration) or intermittent (recording only when triggered such as during

blasting). The "Blasting Guidance Manual" (1987) and British Standard 7385-2 provide good guidance on ground vibration monitoring.

It should be noted that what is sensed by receptors as vibration, is often low frequency noise or infrasound (< ~20Hz). Slightly more sophisticated measuring equipment is usually needed to monitor these frequencies and expert advice is recommended to assist with interpretation of the results if low frequency noise could have real or perceived impacts to receptors.

If background conditions are known to have changed over time (for example due to new residential developments or the addition of new ambient noise sources) then a re-assessment of ambient noise and vibration levels may need to be performed and used to refine the site noise and vibration program.

1.2 Aspects and Impacts Identification (clause 1.2 and 1.3)

Clause 1.2

Employ change management procedures and predictive modeling of near and far field noise and vibration levels as part of the pre-feasibility and feasibility study for:

a) developments;

b) significant expansions; and

c) changes to existing activities and facilities.

The model will, where applicable, incorporate baseline/background data, community expectations and regulatory requirements and identify significant exposures to sensitive receptors.

Clause 1.3

Identify which components of the facility and which activities are the key contributors to external noise and vibration levels; understand the generation and propagation of noise and vibration and evaluate the potential environmental impact under a range of meteorological and operating conditions.

1.2.1 Identification of Potential Noise and Vibration Sources

Major sources of noise typically include:

- Mobile equipment such as drills, trucks, shovels, loaders, pile drivers and dozers;
- Fixed processing equipment such as compressors, crushing and grinding circuits, conveyors, gearboxes, fans and blowers;
- Blasting (air blast);

- Construction and maintenance activities;
- Loading and offsite road and rail transport;
- Special conditions such as warning alarms, equipment start-up or shut-down and equipment maintenance.

Blasting during construction, operation or closure is by far the most significant source of ground vibration. However, under some rare circumstances vibration from fixed or mobile equipment may have the potential to impact the environment and residential, commercial or industrial facilities very close to the vibration source. In some instances pile driving may also be a significant vibration source.

At existing operations identification of significant contributors to noise can be done fairly easily by direct observation and measurement of activities and equipment while it is in operation. This can be done in conjunction with the occupational health noise monitoring program. However, significant noise sources for new developments, expansions and operational changes must be predicted. Identification of significant noise sources and prediction of noise source intensity and characteristics can be done by:

- Comparison to comparable existing on-site equipment, processes or activities;
- Information supplied by equipment manufacturers or suppliers;
- Literature surveys to identify typical noise levels from common activities such as road and rail transport;
- Information supplied from other Rio Tinto sites which have similar equipment or which perform similar activities to those that are planned.

1.2.2 Measurement of noise and vibration levels during operation

Every operation which has identified potential receptors should conduct direct measurement of noise levels at least once. Direct measurement of noise levels at key receptor locations during operation is the most reliable method to determine if any harm or annoyance could be caused by noise. Measurements should be made under a variety of operating and meteorological conditions, or they should be preferentially made at times when the operating and meteorological conditions are most likely to cause maximum noise impacts at the location being monitored (such as during temperature inversions). Locally mandated environmental noise monitoring requirements should be followed if available. If the measurements show that under worst case conditions, noise levels at the most at-risk receptor locations are within acceptable limits, then computer based modeling and additional control and mitigation strategies are unlikely to be needed. Ongoing monitoring may also not be required unless required by law or if there are significant changes in operation or receptors. However, if noise exposures are found to be unacceptable then additional work will be required.

For example if a compressor is identified as the loudest and most intrusive noise source on site, monitoring should be performed while the compressor is running along with any other potentially significant noise sources. Monitoring locations should be selected to ensure that the most at-risk residences are checked. Furthermore monitoring should occur when conditions enhance noise transmission such as when a wind is blowing from

the source to the receptors or when an inversion is present. Noise levels should be compared to local standards or in their absence, standards which are consistent with internationally accepted good practice (see guidance for Clause 1.4). If the noise values obtained under worst case conditions are below guideline values then risks are demonstrated to be negligible and no further work is likely required.

A similar process should be used to monitor airblast and ground vibration associated with blasting or other operations that may cause significant ground vibration. Local environmental vibration monitoring requirements should be followed if available (see guidance for Clause 1.4).

1.2.3 Prediction of noise and vibration levels

Consistent with HSEQMS Element 11 (Management of Change), future noise and vibration impacts associated with new developments or significant changes at existing operations must be predicted before construction and operation to determine if control and mitigation strategies will be needed. Prediction of future impacts is likely to require some form of modeling. This may take the form of simple numeric modeling based on first principle calculations or more complex computer-based modeling. The rigour and complexity of the modeling required should be consistent with the risks posed by the noise and vibration source(s) and the proximity and sensitivity of nearby receptors. Again if a simple, conservative model based on worst-case assumptions indicates a lack of impacts, then the use of more complex models is not justified.

Noise models generally take account of attenuation with distance, atmospheric absorption (which depends on frequency), constructed or natural noise barriers, effects of intervening terrain and weather conditions. They use these inputs along with source noise intensities, frequencies and locations to calculate resultant noise levels at receiving locations. Where large numbers of people are likely to be affected by the noise, maps showing predicted noise contours will often be required by the authorities. Noise modeling may need to be designed so that the relative contribution of individual noise sources to predicted impacts can be determined. This allows the operation to determine which noise sources contribute the most to impacts, and therefore, which sources need to be controlled first. The use and interpretation of these models is generally the realm of specialist consultants and the operation should ensure that the model package proposed for use is validated and acceptable to the authorities.

Vibration models require specialist input, but can also vary from simple numeric calculations based on blast charge weight and distance, to much more complex models that incorporate site-specific characteristics such as geology, detailed blast design criteria and monitoring data.

1.3 Noise and Vibration Performance Criteria (clause 1.4)

Clause 1.4

Develop internal criteria on noise and vibration performance when government regulations are absent or incomplete, to ensure protection of local community health and the environment. The criteria must have formal approval from the operation's managing director (MD) and be in line with internationally accepted regulations, guidelines and methodologies.

Measured or predicted noise values at key receptor locations should be compared to local requirements or in their absence to internationally recognized guidance. Depending upon the jurisdiction, standards may be set nationally, at the State or Provincial level, or even at the local level. Most jurisdictions set maximum acceptable mean dB(A) over a given time period based on land use. Generally residential land uses have the most-strict and industrial land uses have the least-strict standards. In some jurisdictions special rules may apply to schools, hospitals or other particularly sensitive facilities. Acceptable noise levels are generally lower at night. Based on a 2010 survey of several jurisdictions in North America, Australia, Europe and Asia, the following are typical acceptable amenity or ambient noise levels based on land use:

- Residential land use (outside) - 40 to 65 dB(A) during the day with night time levels anywhere from 0 to 15 dB(A) lower depending on jurisdiction (median of regulations surveyed is 55 dB(A) during the day and 45 dB(A) at night);
- Industrial land use – 55 to 75 dB(A) depending on jurisdiction (median of regulations surveyed is 70 dB(A)).

Acceptable noise levels for open space, parks, wildlife habitat and rural land uses are typically similar to residential levels. However, acceptable noise levels for specific sensitive species are less well developed and may need to be developed on a more site- and species-specific basis.

Some regulations may require that noise levels associated with an operation not increase ambient noise at the point of measurement by more than 5 to 10 dB(A) above background (depending upon jurisdiction). In locations which are already impacted by industrial noise from pre-existing sources, operations may be required to show that proposed new activities will not increase noise exposure to key receptors. Infrequent periodic noise events may also have acceptable noise levels which are based on the duration and intensity of the events. In several of the jurisdictions surveyed, even very short duration (< 1 minute) noise events cannot exceed the ambient standard for the land use category by more than 20 dB(A). In other cases regulations may specify a protection level in dB(A) which cannot be exceeded by the average of the highest 1% to 10% of readings within the measured time period. Sometimes, adjustments to noise criteria are also made to allow for the annoyance associated with a particular tonal, low frequency, impulsive or intermittent noise.

Airblast from blasting is unlikely to cause structural damage at values below 133 dB (linear peak) at 2 Hz (Siskind and others, 1980). ANZECC (1990) guidance to minimize public annoyance during blasting recommends maximum airblast intensities of 115 dB (linear peak) during blasting.

Clearly, noise standards vary widely from location to location, so it is important for each operation to determine the local regulations that apply to them. If local regulations are absent, then the operation must select internationally recognized guidelines that are applicable to their environmental setting, receptors and noise sources.

Acceptable underwater noise levels are commonly based on peak sound pressure or the pressure over some time interval. For example in 2008 the Fisheries Hydroacoustic Working Group (comprised of representatives from the US Federal Government and Washington, Oregon and California) issued guidelines to protect against harm to fish of 206 dB peak exposure and 187 dB cumulative exposure during pile driving. Note that lower noise levels may inhibit fish migration or cause temporary abandonment of impacted areas.

Many jurisdictions will have standards for ground vibration to protect buildings from damage during blasting. These regulations are commonly based on peak particle velocities. For example, the British standard (BS 7385 (1993)) states that that there should typically be no cosmetic damage if transient vibration does not exceed 15mm/s at low frequencies rising to 20mm/s at 15Hz and 50mm/s at 40Hz and above. These guidelines relate to relatively modern buildings and are normally reduced to 50% or less for more critical buildings. Critical buildings include premises with machinery that is highly sensitive to vibration or historic buildings that may be in poor repair, including residential properties. ANZECC (1990) guidelines to minimize public annoyance during blasting recommends that maximum ground vibrations should not exceed 5 mm/s. Ground vibration regulation for the protection of borrowing and subterranean animals is less developed and so may need to be developed on a site-specific basis.

2 Implementation and Operation

2.1 Control and Mitigation Measures (clauses 2.1, 2.2 2.3, 2.4 and 2.5)

Clause 2.1

Implement a procedure to manage noise and vibration where an assessment based on predictive modeling and/or monitoring results indicates the need, in order to meet regulatory requirements and accommodate community expectations.

Clause 2.2

Deleted

Clause 2.3

Adopt a hierarchy of noise and vibration controls, with engineering or design controls for noise sources being the first option implemented. If due to safety reasons this is not permissible consider other control processes.

Clause 2.4

Incorporate and maintain noise and vibration control requirements into design and operational criteria for relevant exploration and mining activities, including drilling and blasting, processing activities and new facilities.

Clause 2.5

Incorporate noise and vibration performance criteria into purchasing requirements for relevant equipment and machinery.

If monitoring data and/or modeling indicates that the operation may cause environmental harm due to noise or vibration then control or mitigation strategies must be developed. Engineering controls to reduce the noise or vibration source are preferred over administrative controls. Engineering controls not only reduce noise for environmental receptors, but also reduce noise within the workplace thereby minimizing the occupation health risks posed by noise induced hearing loss (see Hearing Conservation Health Standard and Guidance Note). In some cases, land purchases to create a buffer zone around the operation may provide the most effective alternative to limit community impacts and/or concerns. In practice the most protective and cost effective strategy for control of noise and vibration impacts may involve the implementation of multiple engineering and management techniques together.

Noise and vibration impacts should be managed by following the accepted hierarchy of controls:

Eliminate or reduce the noise or vibration source, which can include:

- Keeping equipment in good condition by frequent inspections and prompt maintenance if required;
- Replacing outdated or noisy machinery;
- Purchasing new equipment to meet required maximum noise and vibration specifications; and
- Re-engineering noisy plant components or processes.

Isolation or segregation of the noise or vibration source, which can include:

- Maximizing distances between noise sources and receptors by strategic design of the plant layout, mine plan and road locations including a consideration of topography which may inhibit noise transmission;
- Purchase and maintenance of buffer lands to ensure that residences and other potential receptors do not move close to the operation (noise and vibration intensity will typically decrease with the square of the distance);
- Partially or totally enclosing noisy machinery with soundproofing or barriers;
- Using vibration suppression to isolate vibrating machine parts and pipes;
- Using engineering controls such as baffle plates or exhaust silencers for noisy air emissions;
- Fitting sound absorbing materials to ceilings and walls of noisy rooms; and
- Constructing waste rock dumps, engineered barriers and/or earthen mounds to control noise propagation.

Administrative controls, which can include:

- Restricting truck and other equipment movements on exposed haul routes and near residential communities at night;
- Scheduling the use of noisy equipment, construction activities, blasting or other operations for the least sensitive times of day if possible;
- Avoiding noisy and vibration-inducing activities in or around sensitive ecological areas during key times such as breeding or nesting season and during periods of fish migration;
- Avoid performing noisy operations such as blasting when weather conditions will enhance noise propagation towards key receptors;
- Reducing blast-related noise and vibration by ensuring the blasts are well designed and by for example 1) reducing the charge weight of explosives per delay period; 2) increasing the length of delay between charges; 3) propagating the charge in the opposite direction from the receptor and 4) ensuring proper design and stemming of blastholes to minimize airblast.
- Maintaining management systems which track and allow rapid response to complaints.

3 Performance Measurement

3.1 Monitoring (clauses 3.1 and 3.2)

Clause 3.1

Have a procedure in place for monitoring of noise and vibration levels in potentially affected neighbouring areas, including employee/contractor accommodation units.

Clause 3.2

Implement a monitoring program to assess noise and vibration impact on the environment and communities under normal and worst case operating conditions and adverse meteorological conditions. The monitoring program will:

a) support operational control;

b) verify compliance with targets and legal requirements; and

c) periodically validate and maintain the relevance of near and far-field noise and vibration models.

If monitoring of the most at-risk receptors during worst case conditions (Section 1.2.2) indicates that noise and vibration impacts are well within acceptable performance criteria (Section 1.3), then an ongoing monitoring program is unlikely to be necessary. However, the need for additional monitoring will need to be re-assessed whenever there is a significant change in noise sources or receptors.

Ongoing operational monitoring is likely to be required if:

- Required by local regulation or permit;
- Measured noise and vibration levels attributable to the operation are at or above applicable performance criteria;
- There is ongoing concern or complaints about noise and vibration from the local community; and/or
- The operation needs to demonstrate a continuous lack of impact to sensitive receptors.

Ongoing monitoring programs should be designed to confirm a lack of impact to sensitive receptors and to ensure that corrective actions are undertaken if environmental performance criteria are exceeded. If needed, permanent monitoring sites should be established near the most at-risk receptors such as nearby residences or sensitive environments. The number of monitoring points and the frequency of monitoring should be consistent with the risks posed by noise and vibration impacts. Collected data should be regularly reviewed by a competent person and stored in a retrievable format. If out of compliance conditions are identified, timely corrective actions should be taken. Complaints and company responses should also be recorded in a permanent record.

4 References and Best Practice Examples

Australian Standard AS1055, 1997, Description and Measurement of Environmental Noise, Parts 1 to 3.

ANZECC, 1990, Technical Basis for Guidelines to Minimize Annoyance due to Blasting Overpressure and Ground Vibration, Australia and New Zealand Environment and Conservation Council (now Environment Protection and Heritage Council).

Barber, J.R., Crooks, K.R., and Fristrup, K.M., 2010, The Costs of Chronic Noise Exposure for Terrestrial Organisms, Trends in Ecology and Evolution, v. 25, i. 3, pp. 180-189.

British Standard 7385-2, 1993, Evaluation and Measurement of Vibration in Buildings, Guide to Damage Levels from Groundbourne Vibration.

ICF Jones and Stokes, and Illingworth and Rodkin, Inc., 2009, Technical Guidance for Assessment and Mitigation of the Hydroacoustic Effect of Pile Driving on Fish, Prepared for the California Department of Transportation.

New South Wales Environment, Climate Change and Water, 2000, New South Wales Industrial Noise Policy.

Rosenthal, M.F. and Morlock, G.L., 1987, Blasting Guidance Manual, Office of Surface Mining, Reclamation and Enforcement, United States Department of the Interior.

Siskind, D.E., Stachura, V.J., Stagg, M.S. and Kopp, J.W., 1980, U.S. Bureau of Mines, Structural Response and Damage Produced by Airblast from Surface Mining, RI 8485.

Slabbekoorn, H., Bouton N., Van Opzeeland, I., Coers, A., Ten Cate, C., and Popper A.N., 2010, A Noisy Spring: The Impact of Globally Rising Underwater Sound Levels on Fish, Trends in Ecology and Evolution, v. 25, i. 7, pp. 419-427.

United States Environmental Protection Agency, 2010, Noise Pollution, http://www.epa.gov/air/noise.

Guidance on noise and vibration sources, impacts and controls can be found at many government and NGO web sites including:

Australian Coal Association Research Program (ACARD) – http://www.acarp.com.au

Environment Canada – http://www.ec.gc.ca

New South Wales Environment, Climate Change and Water – www.environment.nsw.gov.au

United State Mine Safety and Health Administration – http://www.msha.gov

Western Australia Department of Mines and Petroleum – http://www.dmp.wa.gov.au

Appendix C

Noise Monitoring Data - 2 Minute Intervals

ARCADIS Design & Consultancy for natural and built assets

Ambient Noise Monitoring Data - 2 Minute Intervals

Project Name: Resolution Mine
Project Number: AZ001210.0030

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/18/2015	7:00	43.0	43.8	42.4	---	---	---	---	---	---	---	---	---
8/18/2015	7:02	39.5	40.1	39.0	---	---	---	---	---	---	---	---	---
8/18/2015	7:04	40.5	41.2	39.5	---	---	---	---	---	---	---	---	---
8/18/2015	7:06	44.5	46.0	42.7	---	---	---	---	---	---	---	---	---
8/18/2015	7:08	43.0	44.1	41.8	---	---	---	---	---	---	---	---	---
8/18/2015	7:10	41.4	42.7	39.9	---	---	---	---	---	---	---	---	---
8/18/2015	7:12	40.2	41.2	39.1	---	---	---	---	---	---	---	---	---
8/18/2015	7:14	40.8	41.9	39.5	---	---	---	---	---	---	---	---	---
8/18/2015	7:16	43.5	43.8	42.9	---	---	---	---	---	---	---	---	---
8/18/2015	7:18	42.8	43.5	42.4	---	---	---	---	---	---	---	---	---
8/18/2015	7:20	38.9	39.6	38.2	---	---	---	---	---	---	---	---	---
8/18/2015	7:22	42.1	42.8	41.3	---	---	---	---	---	---	---	---	---
8/18/2015	7:24	43.4	43.8	43.0	---	---	---	---	---	---	---	---	---
8/18/2015	7:26	39.9	40.5	39.5	---	---	---	---	---	---	---	---	---
8/18/2015	7:28	39.1	39.6	38.6	---	---	---	---	---	---	---	---	---
8/18/2015	7:30	45.4	46.1	44.5	---	---	---	---	---	---	---	---	---
8/18/2015	7:32	46.8	47.6	46.2	---	---	---	---	---	---	---	---	---
8/18/2015	7:34	41.7	43.0	40.3	---	---	---	---	---	---	---	---	---
8/18/2015	7:36	41.5	42.2	40.8	---	---	---	---	---	---	---	---	---
8/18/2015	7:38	53.2	54.8	51.6	---	---	---	---	---	---	---	---	---
8/18/2015	7:40	48.7	49.5	47.9	---	---	---	---	---	---	---	---	---
8/18/2015	7:42	46.5	47.2	46.1	---	---	---	---	---	---	---	---	---
8/18/2015	7:44	44.2	44.4	43.8	---	---	---	---	---	---	---	---	---
8/18/2015	7:46	49.0	49.4	48.6	---	---	---	---	---	---	---	---	---
8/18/2015	7:48	44.8	45.9	43.6	---	---	---	---	---	---	---	---	---
8/18/2015	7:50	40.9	41.7	40.9	---	---	---	---	---	---	---	---	---
8/18/2015	7:52	38.4	38.9	38.0	---	---	---	---	---	---	---	---	---
8/18/2015	7:54	39.0	39.5	38.5	---	---	---	---	---	---	---	---	---
8/18/2015	7:56	40.5	41.3	39.6	---	---	---	---	---	---	---	---	---
8/18/2015	7:58	43.1	43.7	42.4	---	---	---	---	---	---	---	---	---
8/18/2015	8:00	44.6	45.0	44.1	---	---	---	---	---	---	---	---	---
8/18/2015	8:02	39.4	40.2	39.3	---	---	---	---	---	---	---	---	---
8/18/2015	8:04	40.9	41.5	40.4	---	---	---	---	---	---	---	---	---
8/18/2015	8:06	39.1	39.5	38.6	---	---	---	---	---	---	---	---	---
8/18/2015	8:08	38.6	39.3	37.8	---	---	---	---	---	---	---	---	---
8/18/2015	8:10	37.9	38.4	37.7	---	---	---	---	---	---	---	---	---
8/18/2015	8:12	39.5	39.9	39.1	---	---	---	---	---	---	---	---	---
8/18/2015	8:14	39.7	40.0	39.3	---	---	---	---	---	---	---	---	---
8/18/2015	8:16	42.1	42.5	41.7	---	---	---	---	---	---	---	---	---
8/18/2015	8:18	38.6	39.0	38.3	---	---	---	---	---	---	---	---	---
8/18/2015	8:20	42.2	42.5	41.8	---	---	---	---	---	---	---	---	---
8/18/2015	8:22	38.2	38.6	37.8	---	---	---	---	---	---	---	---	---
8/18/2015	8:24	41.0	41.3	40.7	---	---	---	---	---	---	---	---	---
8/18/2015	8:26	41.1	41.6	40.6	---	---	---	---	---	---	---	---	---
8/18/2015	8:28	44.4	44.9	43.9	---	---	---	---	---	---	---	---	---
8/18/2015	8:30	41.4	42.2	40.6	---	---	---	---	---	---	---	---	---
8/18/2015	8:32	41.4	42.1	40.7	---	---	---	---	---	---	---	---	---
8/18/2015	8:34	44.9	45.8	44.0	---	---	---	---	---	---	---	---	---
8/18/2015	8:36	41.6	42.1	41.1	---	---	---	---	---	---	---	---	---
8/18/2015	8:38	41.6	41.9	41.2	---	---	---	---	---	---	---	---	---
8/18/2015	8:40	40.2	40.8	39.7	---	---	---	---	---	---	---	---	---
8/18/2015	8:42	42.5	43.5	41.6	---	---	---	---	---	---	---	---	---
8/18/2015	8:44	43.5	43.9	43.1	---	---	---	---	---	---	---	---	---
8/18/2015	8:46	41.6	42.0	41.2	---	---	---	---	---	---	---	---	---
8/18/2015	8:48	42.3	42.7	41.8	---	---	---	---	---	---	---	---	---
8/18/2015	8:50	42.5	42.9	42.1	---	---	---	---	---	---	---	---	---
8/18/2015	8:52	44.0	44.4	43.6	---	---	---	---	---	---	52.6	53.7	51.8
8/18/2015	8:54	48.2	48.8	47.6	---	---	---	---	---	---	44.7	45.3	44.2
8/18/2015	8:56	43.4	44.0	42.9	---	---	---	---	---	---	49.7	49.8	48.2

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/18/2015	8:58	43.6	44.2	43.1	---	---	---	---	---	---	51.1	52.2	50.9
8/18/2015	9:00	41.7	42.1	41.4	---	---	---	52.9	53.7	52.5	56.0	56.8	54.9
8/18/2015	9:02	42.0	42.4	41.4	---	---	---	58.8	59.1	58.3	52.7	53.2	52.2
8/18/2015	9:04	46.2	46.8	45.7	51.9	53.6	50.6	63.1	64.0	62.4	56.5	57.4	55.7
8/18/2015	9:06	46.7	47.9	45.5	62.6	63.8	60.4	62.7	63.7	61.9	50.1	50.6	49.4
8/18/2015	9:08	43.9	44.6	43.2	61.9	63.2	60.3	64.2	65.0	63.3	53.5	54.1	52.9
8/18/2015	9:10	42.9	43.6	42.3	50.5	50.8	50.2	57.4	58.8	55.9	52.1	52.8	51.0
8/18/2015	9:12	42.9	43.4	42.5	55.9	57.0	54.8	58.6	59.7	57.6	66.1	67.9	62.8
8/18/2015	9:14	44.7	45.2	44.3	53.6	54.5	52.8	55.6	56.4	54.5	65.7	67.2	63.9
8/18/2015	9:16	42.8	43.0	41.8	52.8	53.9	51.6	51.4	52.3	49.9	68.2	69.5	66.7
8/18/2015	9:18	44.7	45.6	44.2	51.3	52.0	50.6	51.6	52.3	51.0	66.4	67.4	65.2
8/18/2015	9:20	43.8	44.6	42.9	52.5	53.4	51.7	55.7	56.5	54.7	65.0	66.1	64.1
8/18/2015	9:22	44.3	44.9	43.6	57.7	58.3	56.9	59.2	60.1	58.2	67.9	68.5	67.3
8/18/2015	9:24	49.2	49.6	48.6	58.8	59.3	58.5	62.8	63.3	62.4	60.1	60.9	59.4
8/18/2015	9:26	48.7	49.2	48.3	58.8	59.6	58.1	59.2	60.1	58.1	47.3	47.6	47.0
8/18/2015	9:28	48.1	48.7	47.4	60.0	60.8	59.1	60.3	61.0	59.5	50.6	51.0	50.2
8/18/2015	9:30	48.0	48.8	47.2	57.2	57.8	56.7	56.2	56.7	55.7	50.3	51.1	49.6
8/18/2015	9:32	43.3	43.9	42.8	54.2	54.7	53.6	56.1	56.6	55.5	54.8	55.4	54.2
8/18/2015	9:34	40.6	41.2	40.1	52.4	53.0	51.9	55.7	56.5	54.9	63.6	64.2	63.0
8/18/2015	9:36	43.3	43.7	42.7	53.5	53.9	53.2	56.3	56.7	55.9	61.3	61.7	60.9
8/18/2015	9:38	54.6	55.3	53.9	57.5	58.1	56.6	55.9	56.4	55.5	50.5	51.2	49.9
8/18/2015	9:40	44.5	44.9	44.2	55.3	55.9	54.8	57.1	57.7	56.4	61.3	61.4	60.9
8/18/2015	9:42	41.6	41.9	41.2	48.7	48.9	47.4	47.6	48.1	47.4	59.1	59.6	59.0
8/18/2015	9:44	42.4	43.0	41.8	51.8	53.2	50.9	46.4	47.3	45.7	53.1	54.7	52.5
8/18/2015	9:46	43.9	44.4	43.3	43.3	43.7	42.8	45.2	45.6	44.8	48.6	49.3	48.0
8/18/2015	9:48	41.0	41.6	40.4	38.6	38.9	38.4	41.6	41.8	41.5	42.1	42.8	41.1
8/18/2015	9:50	40.7	41.3	40.2	37.8	38.1	37.5	40.4	40.6	40.3	41.4	41.8	40.5
8/18/2015	9:52	41.6	42.5	40.6	39.0	39.3	38.6	44.2	45.9	42.3	55.9	56.7	55.0
8/18/2015	9:54	43.6	44.7	42.4	36.4	36.7	36.1	44.9	45.3	44.5	47.2	47.9	46.4
8/18/2015	9:56	42.0	42.7	41.1	48.3	51.0	45.6	57.6	59.6	53.7	44.9	45.2	44.4
8/18/2015	9:58	44.5	45.3	43.7	46.6	47.0	46.2	46.4	46.9	46.0	51.4	51.7	51.1
8/18/2015	10:00	45.7	46.8	44.6	50.1	50.3	49.6	53.0	53.1	52.1	64.1	64.5	63.4
8/18/2015	10:02	47.2	47.6	46.7	55.5	56.0	55.0	57.3	57.9	56.9	58.4	59.5	58.3
8/18/2015	10:04	41.3	41.9	40.7	48.4	49.2	47.7	52.0	53.4	51.0	65.7	66.7	64.4
8/18/2015	10:06	42.9	43.7	42.3	50.2	50.6	49.7	52.9	53.5	52.4	64.9	65.5	64.2
8/18/2015	10:08	44.4	45.6	43.2	42.0	42.4	41.7	45.1	45.5	44.8	55.4	57.4	50.9
8/18/2015	10:10	43.0	44.7	41.7	41.4	41.6	41.2	44.7	45.2	44.3	52.3	53.6	49.2
8/18/2015	10:12	39.7	40.2	39.0	42.6	43.1	41.9	44.9	45.1	44.7	44.7	45.4	43.9
8/18/2015	10:14	43.9	44.4	43.4	47.5	47.9	47.1	49.0	49.3	48.6	55.5	56.2	54.7
8/18/2015	10:16	42.8	43.1	42.5	50.2	51.8	46.4	52.4	54.6	50.2	51.2	52.0	50.4
8/18/2015	10:18	42.4	42.9	41.8	43.3	44.6	42.0	49.5	50.8	47.6	46.2	47.6	44.1
8/18/2015	10:20	40.5	41.0	39.9	48.3	49.7	46.7	47.4	47.8	47.0	47.7	48.4	46.9
8/18/2015	10:22	44.3	44.9	43.9	48.8	50.0	47.5	56.5	59.1	53.3	50.6	51.1	50.1
8/18/2015	10:24	48.4	50.4	46.0	38.9	39.2	38.7	41.3	41.4	41.1	41.3	41.5	41.1
8/18/2015	10:26	41.3	42.1	40.7	39.2	39.5	38.9	42.0	42.1	41.8	50.3	50.5	49.8
8/18/2015	10:28	41.2	41.7	40.8	41.4	41.6	41.2	43.2	43.4	43.0	53.3	53.5	53.0
8/18/2015	10:30	40.5	40.7	40.1	40.7	41.0	40.3	43.2	43.5	42.8	50.3	51.3	49.7
8/18/2015	10:32	41.8	42.3	41.5	44.4	44.8	43.9	47.0	47.3	46.6	54.6	55.0	54.2
8/18/2015	10:34	42.1	42.6	41.6	46.8	47.7	46.0	47.0	47.7	46.2	55.0	55.7	54.3
8/18/2015	10:36	44.0	44.4	43.6	53.1	53.3	52.6	54.6	54.6	53.9	66.8	66.8	66.4
8/18/2015	10:38	49.5	49.9	49.1	58.2	58.7	57.8	60.1	60.6	59.8	62.1	63.0	62.3
8/18/2015	10:40	45.8	46.2	45.4	44.7	45.4	44.3	44.0	44.6	43.6	49.1	49.9	48.2
8/18/2015	10:42	44.9	45.4	44.4	40.2	40.6	39.9	40.8	41.1	40.4	52.4	53.5	51.0
8/18/2015	10:44	43.5	44.4	42.9	42.5	42.7	42.2	41.9	42.2	41.6	50.2	51.2	49.1
8/18/2015	10:46	43.5	43.8	43.2	41.3	41.7	41.0	42.3	42.5	42.0	42.1	42.4	41.8
8/18/2015	10:48	42.5	43.4	41.7	40.7	41.1	40.4	43.8	44.1	43.5	44.8	45.0	44.3
8/18/2015	10:50	42.2	42.7	41.6	40.2	40.5	39.8	42.7	42.9	42.4	45.7	46.1	45.4
8/18/2015	10:52	42.2	42.9	41.7	45.8	45.6	44.5	44.6	44.8	44.3	49.6	50.2	48.8
8/18/2015	10:54	43.9	44.5	43.1	46.1	47.2	46.2	46.1	46.5	45.7	52.6	53.0	52.2
8/18/2015	10:56	45.6	46.0	45.3	43.7	44.2	43.4	45.6	46.0	45.2	52.7	53.2	52.3
8/18/2015	10:58	48.0	48.4	47.6	46.7	47.2	46.2	47.9	48.2	47.5	54.6	55.0	54.2
8/18/2015	11:00	45.9	46.5	45.4	47.8	48.4	47.2	48.1	48.6	47.6	52.9	53.4	52.5
8/18/2015	11:02	42.3	42.9	41.8	41.9	42.3	41.5	43.2	43.5	42.8	52.5	53.1	52.1
8/18/2015	11:04	43.1	43.9	42.3	50.6	51.9	48.7	50.3	51.1	49.4	54.8	55.6	54.0
8/18/2015	11:06	43.4	43.7	43.1	45.8	46.2	45.4	46.1	46.5	45.7	52.0	52.5	51.6
8/18/2015	11:08	43.7	44.1	43.2	43.9	44.3	43.6	44.9	45.3	44.6	52.4	52.7	51.9
8/18/2015	11:10	44.5	45.2	43.8	47.0	47.5	46.5	46.8	47.3	46.2	54.4	55.0	53.8

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/18/2015	11:12	48.9	49.0	48.1	55.8	56.2	55.3	57.7	58.1	57.3	64.2	64.8	63.7
8/18/2015	11:14	65.9	65.5	64.0	61.8	61.5	60.3	61.5	61.6	59.9	60.0	59.9	58.5
8/18/2015	11:16	63.3	65.4	64.1	68.4	69.5	67.6	68.8	69.7	68.0	68.7	69.6	67.9
8/18/2015	11:18	43.3	43.8	42.9	41.4	41.8	41.1	42.7	43.0	42.5	48.9	49.4	48.5
8/18/2015	11:20	40.4	40.8	40.1	40.7	41.0	40.3	42.3	42.6	42.0	49.8	50.2	49.5
8/18/2015	11:22	41.8	42.7	41.1	41.6	41.8	41.3	43.2	43.4	43.0	51.3	51.6	51.1
8/18/2015	11:24	40.6	41.9	39.8	43.8	45.6	42.1	47.6	49.4	45.2	45.1	45.7	44.7
8/18/2015	11:26	41.7	42.0	41.4	43.1	43.4	42.7	44.2	45.1	44.1	45.5	45.8	45.2
8/18/2015	11:28	44.9	45.1	44.6	44.1	44.7	43.6	44.1	44.3	43.8	46.1	46.6	45.6
8/18/2015	11:30	44.3	44.7	44.0	47.5	47.9	47.1	47.9	48.3	47.6	51.3	51.8	50.5
8/18/2015	11:32	42.6	43.0	42.1	45.9	46.5	45.4	46.9	47.3	46.3	51.6	52.4	51.0
8/18/2015	11:34	47.4	47.9	47.0	57.1	57.5	56.7	58.9	59.3	58.5	65.5	65.9	65.0
8/18/2015	11:36	41.6	41.9	41.0	39.6	40.0	39.3	39.7	40.1	39.5	42.7	43.1	42.4
8/18/2015	11:38	39.1	39.6	39.0	40.4	40.7	40.1	41.2	41.4	40.7	53.2	53.2	52.7
8/18/2015	11:40	43.9	44.1	43.5	49.0	50.3	48.4	49.0	49.8	48.3	51.1	51.7	51.0
8/18/2015	11:42	43.3	43.7	43.0	45.0	45.4	44.6	46.7	47.0	46.3	50.6	51.2	50.0
8/18/2015	11:44	42.6	42.9	42.3	45.9	46.3	45.6	47.1	47.6	46.7	49.6	50.0	49.2
8/18/2015	11:46	43.0	43.4	42.7	44.5	45.0	44.1	44.3	44.8	43.9	46.0	46.4	45.7
8/18/2015	11:48	49.9	50.1	49.5	47.8	48.2	47.4	48.0	48.6	47.4	48.7	49.2	48.1
8/18/2015	11:50	44.2	45.1	43.4	42.0	42.3	41.7	44.2	44.5	43.9	45.9	46.3	45.4
8/18/2015	11:52	41.3	41.9	40.7	41.6	41.8	41.0	43.1	43.3	42.8	42.8	43.0	42.5
8/18/2015	11:54	43.6	43.9	43.4	46.2	46.9	45.7	53.0	53.1	47.2	42.9	43.1	42.7
8/18/2015	11:56	44.6	45.0	44.2	46.4	47.4	45.7	49.5	54.0	50.2	44.7	45.3	44.1
8/18/2015	11:58	47.7	48.4	47.1	48.1	49.5	47.0	52.7	54.4	49.9	46.7	47.3	46.1
8/18/2015	12:00	47.4	47.7	47.2	43.1	43.3	42.8	43.2	43.5	43.0	42.4	42.6	42.1
8/18/2015	12:02	43.1	43.5	42.6	39.4	39.6	39.1	41.1	41.3	41.0	47.6	47.8	47.1
8/18/2015	12:04	40.2	40.9	39.9	39.3	39.5	39.1	41.7	41.9	41.5	54.3	54.8	53.9
8/18/2015	12:06	42.1	42.7	41.5	40.4	40.6	40.2	42.7	42.9	42.5	53.9	54.1	53.7
8/18/2015	12:08	41.7	42.2	41.3	42.4	42.7	42.0	44.0	44.3	43.7	52.1	52.3	51.9
8/18/2015	12:10	47.6	48.0	47.1	48.8	49.3	48.4	49.6	50.1	49.1	57.1	58.0	56.5
8/18/2015	12:12	47.0	47.3	46.7	44.8	45.1	44.6	44.8	45.0	44.6	51.2	51.5	50.9
8/18/2015	12:14	45.2	45.8	44.5	39.5	39.8	39.3	42.2	42.4	42.0	44.2	44.5	43.9
8/18/2015	12:16	47.1	47.5	46.7	46.2	46.6	45.8	45.5	45.9	45.1	46.7	47.2	46.1
8/18/2015	12:18	48.9	49.2	48.7	45.4	45.7	45.0	44.1	44.4	43.8	42.6	43.1	42.1
8/18/2015	12:20	44.3	44.7	43.9	44.7	45.1	44.2	46.1	46.5	45.7	47.5	47.9	47.0
8/18/2015	12:22	45.2	45.5	44.9	46.5	46.9	46.1	46.2	46.6	45.9	50.6	51.0	50.2
8/18/2015	12:24	47.5	48.0	47.0	56.0	56.5	55.5	57.6	58.0	57.2	63.2	63.6	62.8
8/18/2015	12:26	44.1	44.7	43.5	46.3	47.0	45.7	45.9	46.4	45.5	49.2	50.0	48.2
8/18/2015	12:28	50.0	50.6	49.5	50.3	51.4	48.8	54.2	56.3	52.0	55.4	56.8	53.8
8/18/2015	12:30	46.9	47.4	46.6	41.5	41.7	41.3	42.2	42.4	42.0	41.6	41.8	41.4
8/18/2015	12:32	46.4	47.3	45.3	43.1	43.5	42.7	42.6	42.8	42.3	43.2	43.4	42.9
8/18/2015	12:34	46.5	47.4	45.4	42.3	42.7	41.9	42.6	42.9	42.3	41.9	42.3	41.6
8/18/2015	12:36	48.6	49.4	47.6	45.0	45.5	44.5	47.1	47.9	46.4	46.4	47.4	45.2
8/18/2015	12:38	45.7	46.2	45.4	42.4	42.9	41.9	44.2	44.6	43.7	44.1	44.6	43.6
8/18/2015	12:40	42.7	43.6	41.8	41.3	41.6	40.9	44.9	45.3	44.5	47.1	47.1	46.5
8/18/2015	12:42	44.5	45.0	44.0	44.8	45.2	44.4	46.0	46.4	45.7	50.9	51.4	50.6
8/18/2015	12:44	45.5	46.0	45.0	51.0	51.4	50.5	52.4	52.8	51.8	59.6	60.0	59.1
8/18/2015	12:46	47.3	47.5	46.7	56.5	56.7	56.0	57.5	57.7	57.0	66.8	67.1	66.4
8/18/2015	12:48	49.7	50.1	49.3	55.5	56.1	55.3	56.5	57.1	56.3	54.0	55.0	54.0
8/18/2015	12:50	46.6	47.4	45.9	52.3	52.8	51.7	51.5	52.0	51.1	59.8	60.2	59.4
8/18/2015	12:52	45.7	46.2	45.2	50.6	50.8	50.0	52.5	52.7	51.9	60.9	61.2	60.6
8/18/2015	12:54	46.6	47.0	46.2	50.2	50.7	50.1	51.0	51.9	50.6	46.6	47.4	46.4
8/18/2015	12:56	43.2	43.8	42.8	40.9	41.3	40.7	43.8	44.3	43.3	43.1	43.6	42.7
8/18/2015	12:58	45.3	46.0	44.3	44.9	45.3	44.4	44.7	45.0	44.3	46.5	46.8	46.1
8/18/2015	13:00	52.7	52.9	52.3	46.1	46.5	45.7	45.8	46.2	45.4	44.6	44.9	44.3
8/18/2015	13:02	53.8	54.7	52.9	46.2	46.7	45.8	47.8	48.4	47.1	48.2	48.8	47.7
8/18/2015	13:04	50.1	51.4	48.9	40.3	40.6	40.0	43.3	43.6	43.1	42.4	42.7	42.1
8/18/2015	13:06	50.7	51.7	49.5	44.1	44.5	43.7	46.5	46.9	46.1	52.1	52.6	51.5
8/18/2015	13:08	46.6	47.3	45.8	45.9	46.4	45.5	47.4	47.8	47.0	49.8	50.3	49.0
8/18/2015	13:10	48.0	48.6	47.3	49.2	49.6	48.7	49.5	49.9	49.1	54.4	54.9	53.8
8/18/2015	13:12	50.5	51.0	50.1	57.0	57.5	56.6	58.1	58.4	57.8	63.4	63.8	63.0
8/18/2015	13:14	47.4	47.8	47.1	47.9	48.4	47.5	47.7	48.2	47.3	51.3	51.8	50.7
8/18/2015	13:16	48.7	49.6	47.4	52.3	52.4	51.4	53.6	53.7	53.0	63.5	63.7	63.2
8/18/2015	13:18	50.5	51.2	49.8	55.6	56.1	55.5	56.7	57.2	56.4	57.8	58.4	57.8
8/18/2015	13:20	49.3	50.1	48.3	50.0	50.3	49.6	51.2	51.7	50.6	53.8	54.2	53.4
8/18/2015	13:22	48.1	48.4	47.9	48.5	48.9	48.3	48.5	48.9	48.2	50.6	51.1	50.1
8/18/2015	13:24	45.6	46.0	45.4	45.3	45.7	44.9	45.9	46.3	45.4	47.0	47.3	46.7

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/18/2015	13:26	47.1	47.4	46.8	49.2	49.7	48.7	49.3	49.8	48.9	50.1	50.4	49.7
8/18/2015	13:28	43.1	43.4	42.7	43.0	43.4	42.7	43.8	44.2	43.4	43.4	43.6	43.1
8/18/2015	13:30	45.4	46.2	44.7	45.2	45.9	44.5	47.4	48.2	46.5	47.1	47.9	46.2
8/18/2015	13:32	45.6	46.1	45.1	41.9	42.2	41.6	43.1	43.4	42.7	43.5	43.8	43.1
8/18/2015	13:34	45.5	45.8	45.0	45.6	46.0	45.1	46.0	46.5	45.5	46.4	46.9	45.9
8/18/2015	13:36	47.1	47.5	46.8	46.4	47.0	45.7	49.6	50.5	48.7	52.2	53.3	51.3
8/18/2015	13:38	50.9	53.5	48.2	40.5	40.8	40.3	42.4	42.7	42.2	41.4	41.6	41.2
8/18/2015	13:40	51.7	53.6	49.7	46.1	46.6	45.5	46.5	47.0	46.0	46.3	46.7	45.8
8/18/2015	13:42	49.5	51.3	48.0	39.4	39.7	39.1	40.8	41.0	40.6	41.4	41.6	41.1
8/18/2015	13:44	47.8	49.1	46.4	39.3	39.5	39.0	41.9	42.2	41.6	46.9	47.6	46.2
8/18/2015	13:46	44.3	45.3	43.5	40.8	41.1	40.5	42.2	42.4	42.0	44.7	45.1	44.4
8/18/2015	13:48	44.7	45.1	44.4	42.3	42.5	41.9	44.5	44.7	44.2	46.9	47.3	46.5
8/18/2015	13:50	45.0	45.3	44.7	44.8	45.0	44.5	45.8	46.0	45.4	54.9	55.1	54.4
8/18/2015	13:52	48.8	49.1	48.5	51.1	51.4	50.7	51.2	51.6	50.9	50.6	51.1	50.5
8/18/2015	13:54	49.2	49.6	48.9	47.2	47.4	46.8	48.3	48.7	47.8	51.5	51.9	50.9
8/18/2015	13:56	49.4	49.7	48.8	57.6	58.0	57.1	59.1	59.6	58.6	65.0	65.5	64.4
8/18/2015	13:58	49.2	49.7	49.0	49.4	50.1	49.3	48.9	49.4	48.6	50.8	51.2	50.4
8/18/2015	14:00	44.5	44.9	44.1	46.0	46.5	45.6	46.3	46.6	45.9	51.1	51.6	50.6
8/18/2015	14:02	46.7	47.0	46.3	47.6	48.0	47.1	48.4	49.0	47.8	52.0	52.5	51.5
8/18/2015	14:04	46.0	46.4	45.6	47.3	47.8	46.8	47.4	47.8	46.8	52.0	52.5	51.5
8/18/2015	14:06	47.7	48.3	47.0	47.4	48.0	46.7	48.9	49.5	48.3	52.9	53.6	52.2
8/18/2015	14:08	48.9	49.2	48.5	48.0	48.4	47.7	46.8	47.1	46.4	49.6	50.0	49.0
8/18/2015	14:10	49.6	50.0	49.2	44.8	45.2	44.4	44.9	45.3	44.6	48.8	49.3	48.5
8/18/2015	14:12	45.4	45.9	45.0	46.0	46.5	45.6	46.6	47.0	46.2	50.7	51.2	50.2
8/18/2015	14:14	49.0	49.5	48.4	45.6	46.0	45.2	47.1	47.6	46.6	48.5	49.1	48.0
8/18/2015	14:16	47.5	48.5	46.5	45.1	45.4	44.6	45.4	45.8	45.0	47.7	48.0	47.3
8/18/2015	14:18	50.8	51.0	50.4	47.6	48.0	47.3	46.3	46.6	46.0	46.8	47.1	46.5
8/18/2015	14:20	49.0	49.6	48.7	43.9	44.3	43.7	43.7	44.0	43.5	44.0	44.3	43.8
8/18/2015	14:22	44.2	45.1	43.4	43.4	43.6	43.2	43.8	44.0	43.6	45.9	46.1	45.7
8/18/2015	14:24	44.3	44.6	43.8	45.3	45.8	44.7	45.8	46.2	45.4	47.3	47.5	46.9
8/18/2015	14:26	46.1	46.8	45.6	49.7	50.3	49.0	51.5	52.4	50.5	54.9	55.9	53.9
8/18/2015	14:28	53.4	53.6	53.1	52.3	52.7	51.8	52.3	52.8	51.9	56.6	57.0	56.3
8/18/2015	14:30	47.8	48.2	47.4	55.8	57.0	54.6	54.7	55.8	53.4	54.3	55.3	53.0
8/18/2015	14:32	41.3	41.7	41.0	41.6	42.1	41.1	42.2	42.9	41.9	42.6	43.1	42.2
8/18/2015	14:34	41.1	41.6	40.6	39.5	39.9	39.1	42.1	42.4	41.8	45.7	46.2	45.1
8/18/2015	14:36	46.5	46.8	46.1	44.8	45.1	44.5	47.0	47.3	46.6	45.2	45.7	44.8
8/18/2015	14:38	50.3	50.6	50.0	47.1	47.6	46.6	45.8	46.4	45.3	43.8	44.1	43.4
8/18/2015	14:40	56.0	56.2	55.7	50.1	50.5	49.7	52.2	53.7	49.9	49.2	49.8	48.5
8/18/2015	14:42	48.6	49.0	48.5	43.5	44.3	42.8	42.8	43.2	42.6	39.9	40.4	39.8
8/18/2015	14:44	40.8	41.3	40.4	42.4	43.0	41.6	43.1	43.6	42.7	40.3	40.7	40.0
8/18/2015	14:46	47.4	47.7	47.0	44.0	44.4	43.6	44.1	44.5	43.7	43.2	43.5	42.8
8/18/2015	14:48	54.0	54.3	53.8	47.2	47.7	46.7	45.7	46.2	45.3	41.6	41.9	41.2
8/18/2015	14:50	44.4	44.8	44.2	43.2	43.5	42.8	42.2	42.6	41.9	39.4	39.9	38.9
8/18/2015	14:52	47.1	47.4	46.8	41.7	42.2	41.4	41.2	41.5	41.0	39.9	40.1	39.5
8/18/2015	14:54	51.0	51.4	50.7	43.3	43.9	42.8	45.6	46.3	44.9	46.5	47.3	45.7
8/18/2015	14:56	47.4	47.5	46.9	39.8	40.1	39.6	42.1	42.4	41.8	39.9	40.2	39.6
8/18/2015	14:58	51.1	51.5	50.8	45.9	46.4	45.4	43.8	44.2	43.4	42.9	43.3	42.3
8/18/2015	15:00	51.8	52.2	51.5	46.1	46.5	45.7	45.9	46.4	45.4	48.0	48.5	47.4
8/18/2015	15:02	53.8	54.0	53.5	46.8	47.2	46.4	46.7	47.2	46.3	44.6	45.1	44.2
8/18/2015	15:04	50.1	50.6	49.8	43.5	43.9	43.1	45.2	45.6	44.7	42.0	42.4	41.5
8/18/2015	15:06	47.9	48.5	47.4	44.4	44.7	44.1	43.8	44.1	43.4	43.6	44.3	42.7
8/18/2015	15:08	51.0	51.7	50.5	47.6	48.0	47.2	47.1	47.4	46.7	43.9	44.5	43.4
8/18/2015	15:10	47.7	48.2	47.2	48.5	48.9	47.9	47.8	48.3	47.2	43.8	44.2	43.3
8/18/2015	15:12	49.3	49.6	49.0	45.7	46.2	45.3	45.6	46.2	45.1	47.2	48.2	46.2
8/18/2015	15:14	50.3	50.6	50.0	48.0	48.4	47.7	46.6	47.0	46.1	44.0	44.5	43.5
8/18/2015	15:16	45.5	45.8	45.2	46.4	46.8	46.0	44.5	44.9	44.2	42.0	42.5	41.5
8/18/2015	15:18	44.9	45.1	44.7	45.6	45.9	45.2	44.8	45.2	44.4	43.6	44.2	42.8
8/18/2015	15:20	50.3	50.7	49.9	46.2	46.6	45.7	45.2	45.6	44.7	46.8	47.4	46.1
8/18/2015	15:22	47.0	47.5	46.6	44.0	44.3	43.6	44.8	45.1	44.5	43.0	43.4	42.7
8/18/2015	15:24	50.6	50.8	50.3	43.4	43.9	43.1	43.8	44.3	43.5	41.9	42.3	41.6
8/18/2015	15:26	44.5	45.3	43.8	42.6	42.9	42.2	42.6	42.9	42.4	41.4	41.7	41.1
8/18/2015	15:28	43.8	44.4	43.2	43.2	43.6	42.7	44.4	44.6	43.9	47.4	47.9	46.8
8/18/2015	15:30	52.1	52.4	51.8	46.9	47.4	46.5	44.2	44.8	43.9	41.8	42.3	41.5
8/18/2015	15:32	48.3	48.7	48.0	43.2	43.5	42.9	42.3	42.5	42.0	39.2	39.4	39.0
8/18/2015	15:34	45.3	45.9	44.7	44.1	44.4	43.7	42.0	42.2	41.8	40.6	41.0	40.3
8/18/2015	15:36	51.4	51.6	51.0	51.4	51.8	51.0	48.8	49.2	48.4	45.4	46.2	44.4
8/18/2015	15:38	49.8	50.1	49.6	45.8	46.8	44.9	44.0	44.5	43.8	47.8	49.1	46.7

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/18/2015	15:40	48.6	49.0	48.3	43.6	43.9	43.1	43.8	44.2	43.4	42.8	43.5	42.1
8/18/2015	15:42	46.3	46.6	45.9	46.7	47.1	46.4	46.5	47.0	46.0	46.1	46.7	45.5
8/18/2015	15:44	46.1	46.6	45.5	44.5	44.9	44.0	45.8	46.3	45.1	46.8	47.8	45.9
8/18/2015	15:46	50.0	50.4	49.7	50.4	50.7	50.0	46.0	46.6	45.7	43.0	43.5	42.5
8/18/2015	15:48	49.7	50.0	49.4	45.6	46.1	45.4	43.8	44.2	43.4	39.8	40.2	39.5
8/18/2015	15:50	43.1	43.6	42.9	42.8	43.1	42.6	42.7	43.0	42.4	41.3	41.6	41.0
8/18/2015	15:52	44.2	44.4	43.9	42.8	43.1	42.5	42.9	43.3	42.6	40.6	40.9	40.4
8/18/2015	15:54	53.0	53.2	52.6	45.6	45.8	45.1	45.3	45.6	44.8	41.5	41.8	41.1
8/18/2015	15:56	49.9	50.2	49.8	44.5	45.0	44.2	43.5	43.9	43.3	39.9	40.3	39.7
8/18/2015	15:58	47.9	48.4	47.3	44.6	44.9	44.2	45.3	45.8	44.7	42.8	43.2	42.2
8/18/2015	16:00	46.9	47.5	46.5	41.4	41.8	41.1	42.0	42.3	41.6	39.9	40.3	39.5
8/18/2015	16:02	42.6	43.4	41.8	40.8	41.1	40.5	41.6	41.8	41.4	40.9	41.2	40.6
8/18/2015	16:04	53.4	53.7	53.1	46.9	47.4	46.3	44.3	44.7	44.0	41.3	41.7	40.9
8/18/2015	16:06	49.3	49.6	49.0	46.1	46.5	45.9	44.9	45.4	44.6	41.7	42.0	41.4
8/18/2015	16:08	52.4	52.6	51.9	47.7	48.1	47.4	45.2	45.6	44.8	41.8	42.6	41.1
8/18/2015	16:10	48.2	48.6	48.1	47.6	48.1	47.1	44.7	45.1	44.3	41.0	41.3	40.6
8/18/2015	16:12	51.4	51.7	51.1	45.0	45.5	44.7	44.4	45.0	44.0	40.3	40.8	40.0
8/18/2015	16:14	---	---	---	41.3	41.6	40.9	43.0	43.4	42.5	41.6	41.9	41.2
8/18/2015	16:16	---	---	---	47.1	47.4	46.8	44.6	44.9	44.3	40.6	40.9	40.3
8/18/2015	16:18	---	---	---	42.3	42.7	42.1	42.4	42.6	42.2	40.3	40.6	39.9
8/18/2015	16:20	---	---	---	40.6	40.8	40.4	42.0	42.2	41.8	41.5	41.8	41.1
8/18/2015	16:22	---	---	---	44.4	44.6	44.2	44.8	45.2	44.4	42.3	42.7	41.9
8/18/2015	16:24	---	---	---	43.3	43.6	43.0	43.2	43.4	42.9	44.0	44.3	43.7
8/18/2015	16:26	---	---	---	44.6	44.9	44.3	44.5	44.8	44.1	46.1	46.8	45.4
8/18/2015	16:28	---	---	---	44.0	44.4	43.7	44.2	44.5	43.9	44.4	44.7	44.0
8/18/2015	16:30	---	---	---	52.8	53.5	52.0	48.8	49.1	48.4	44.5	45.1	43.9
8/19/2015	7:00	40.5	41.0	39.9	40.8	41.3	40.3	40.7	41.0	40.3	43.0	43.6	42.4
8/19/2015	7:02	48.9	49.4	48.3	42.4	43.2	41.7	42.0	42.4	41.6	42.0	42.4	41.7
8/19/2015	7:04	43.7	44.5	42.9	44.9	45.9	43.8	41.8	42.2	41.3	42.9	43.3	42.2
8/19/2015	7:06	42.4	43.7	41.4	41.6	42.3	40.9	40.4	40.7	40.1	43.7	44.0	43.4
8/19/2015	7:08	52.6	53.3	51.6	46.4	47.0	45.9	47.1	47.7	46.4	46.4	47.0	45.9
8/19/2015	7:10	41.9	42.5	41.3	40.4	40.8	40.1	41.9	42.2	41.7	45.4	45.9	44.9
8/19/2015	7:12	44.9	45.9	43.9	39.7	40.1	39.4	40.8	41.3	40.4	46.5	48.3	44.6
8/19/2015	7:14	50.5	52.2	49.0	41.8	42.2	41.2	43.6	44.6	42.9	44.9	45.7	44.0
8/19/2015	7:16	43.5	44.0	43.1	43.9	44.7	43.2	42.6	42.8	42.3	45.5	45.8	45.1
8/19/2015	7:18	42.6	43.1	42.0	49.7	50.3	49.1	46.2	46.3	45.5	44.8	44.9	44.4
8/19/2015	7:20	43.6	44.0	43.1	55.6	56.1	55.0	51.1	51.6	50.8	51.4	51.9	50.9
8/19/2015	7:22	43.2	44.2	42.1	53.8	54.5	53.2	46.6	47.0	46.3	49.8	50.3	49.4
8/19/2015	7:24	42.7	44.1	41.8	42.9	43.4	42.4	41.3	41.8	40.8	48.4	48.9	47.7
8/19/2015	7:26	41.2	42.0	40.1	44.6	45.0	44.2	43.7	44.1	43.3	51.7	52.2	51.2
8/19/2015	7:28	40.4	40.8	40.0	44.0	44.2	43.7	41.9	42.1	41.6	49.2	49.6	48.8
8/19/2015	7:30	39.3	40.1	38.7	44.8	45.3	44.2	42.5	42.8	41.9	50.2	50.8	49.6
8/19/2015	7:32	43.8	44.5	43.1	45.0	46.2	44.1	42.8	43.7	42.1	51.1	52.5	49.8
8/19/2015	7:34	40.7	41.7	39.8	45.2	45.7	44.8	43.0	43.4	42.5	51.8	52.3	51.3
8/19/2015	7:36	39.1	39.6	38.7	44.3	44.8	43.7	43.4	43.9	42.8	51.3	51.9	50.6
8/19/2015	7:38	39.0	39.4	38.6	46.6	47.0	46.1	45.8	46.5	45.2	57.0	57.9	56.1
8/19/2015	7:40	38.9	39.0	38.2	44.5	44.9	44.0	43.0	43.5	42.6	51.3	51.6	50.9
8/19/2015	7:42	41.0	41.5	40.7	49.3	49.8	48.7	53.5	54.1	52.7	69.5	70.2	68.7
8/19/2015	7:44	41.1	41.6	40.7	49.1	49.7	48.5	51.0	51.8	50.3	66.1	67.0	65.4
8/19/2015	7:46	40.0	40.5	39.5	47.6	48.5	46.8	44.3	44.8	43.9	52.6	53.2	52.0
8/19/2015	7:48	42.0	42.6	41.4	47.1	47.6	46.7	45.9	46.5	45.2	53.3	53.8	52.7
8/19/2015	7:50	39.4	39.8	38.9	47.7	48.4	47.0	44.6	45.3	43.8	53.4	54.2	52.8
8/19/2015	7:52	41.8	42.3	41.3	47.5	48.3	46.6	43.8	44.4	43.1	52.7	53.2	52.3
8/19/2015	7:54	41.2	41.8	40.7	45.9	46.8	44.8	46.6	48.2	45.2	54.7	55.6	53.8
8/19/2015	7:56	41.4	41.8	40.9	44.7	45.1	44.3	43.1	43.6	42.7	53.0	53.4	52.6
8/19/2015	7:58	47.8	48.7	46.8	45.5	46.2	44.9	44.1	44.9	43.5	52.3	52.9	51.8
8/19/2015	8:00	44.0	44.5	43.5	45.6	46.3	44.9	43.4	44.0	42.8	53.3	53.9	52.8
8/19/2015	8:02	42.0	42.6	41.1	43.0	43.6	42.6	42.3	43.0	41.7	50.0	50.4	49.6
8/19/2015	8:04	41.5	42.4	40.9	46.6	47.4	45.9	45.6	46.4	44.8	52.8	53.5	52.2
8/19/2015	8:06	43.7	44.6	42.8	47.2	47.7	46.7	48.0	48.5	47.6	55.6	56.0	54.9
8/19/2015	8:08	42.5	43.2	41.8	41.4	41.7	41.1	43.4	43.9	42.9	53.2	53.6	53.1
8/19/2015	8:10	43.7	44.3	43.2	53.5	54.1	52.7	56.4	56.9	55.9	64.7	65.9	63.8
8/19/2015	8:12	41.2	41.9	40.1	46.4	47.1	46.0	48.5	49.2	48.4	49.2	49.7	49.0
8/19/2015	8:14	44.3	45.4	43.5	41.6	42.1	41.0	42.8	43.4	42.3	49.4	49.9	48.9
8/19/2015	8:16	43.7	44.5	42.8	44.4	44.7	43.9	49.1	49.1	48.4	52.3	52.8	51.8
8/19/2015	8:18	39.8	40.5	39.1	48.0	49.2	46.5	58.0	59.7	55.6	61.0	61.7	60.3
8/19/2015	8:20	40.4	41.0	39.8	58.9	60.4	57.3	70.6	72.0	67.1	58.3	59.6	57.0

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/19/2015	8:22	38.3	38.7	37.9	49.6	51.2	47.5	62.6	64.7	58.9	47.0	48.2	46.1
8/19/2015	8:24	40.6	41.2	39.9	43.0	44.2	41.6	50.7	52.2	48.5	47.1	47.9	46.3
8/19/2015	8:26	37.7	38.2	37.2	52.2	54.5	49.4	56.8	58.7	54.2	46.4	47.3	45.4
8/19/2015	8:28	41.5	42.1	40.9	47.8	50.5	46.3	55.1	57.4	51.3	42.5	44.3	41.4
8/19/2015	8:30	39.3	40.1	38.4	41.4	42.9	38.9	54.7	56.4	52.0	39.1	39.5	38.7
8/19/2015	8:32	42.7	44.0	41.6	42.9	44.7	41.1	55.1	56.8	52.9	37.6	38.0	37.4
8/19/2015	8:34	43.1	44.0	42.2	45.4	46.5	44.1	55.9	57.5	53.7	38.0	38.3	37.8
8/19/2015	8:36	43.3	44.5	41.8	63.8	66.7	61.5	48.1	51.2	46.7	39.6	40.2	38.9
8/19/2015	8:38	44.4	45.2	43.0	54.5	56.6	52.3	45.1	46.4	43.6	40.5	41.0	39.9
8/19/2015	8:40	46.1	47.5	44.9	57.2	58.9	55.3	43.8	45.2	42.7	47.4	47.7	46.9
8/19/2015	8:42	44.4	45.4	43.3	60.7	62.2	59.2	60.5	62.8	56.1	54.0	54.3	53.7
8/19/2015	8:44	44.2	45.5	42.7	63.0	64.7	60.6	50.7	54.2	48.3	38.8	39.0	38.6
8/19/2015	8:46	42.6	43.9	41.4	62.0	64.3	59.4	54.5	57.0	50.7	42.7	43.3	42.0
8/19/2015	8:48	42.7	43.6	41.8	60.6	62.7	58.6	42.1	43.1	41.1	50.6	51.6	49.3
8/19/2015	8:50	41.2	42.0	40.3	50.4	51.9	48.6	42.6	43.4	42.0	52.4	53.0	51.8
8/19/2015	8:52	44.8	45.7	43.8	---	---	---	63.0	64.8	61.2	48.5	49.0	48.0
8/19/2015	8:54	43.5	44.6	42.3	---	---	---	39.3	39.5	39.0	46.7	46.9	46.4
8/19/2015	8:56	46.7	48.5	44.8	---	---	---	40.5	41.1	40.0	50.5	51.2	49.7
8/19/2015	8:58	39.5	40.0	39.1	---	---	---	40.1	41.1	39.0	49.7	50.9	48.2
8/19/2015	9:00	40.2	41.3	39.1	46.2	48.1	43.3	42.5	43.3	41.8	52.0	52.8	51.1
8/19/2015	9:02	43.8	45.0	42.6	62.2	64.8	58.8	49.9	51.9	47.9	51.2	52.3	50.2
8/19/2015	9:04	42.5	43.6	41.5	42.6	43.2	41.9	47.3	47.4	47.1	49.0	49.5	48.5
8/19/2015	9:06	46.8	47.9	45.5	43.3	43.6	42.8	47.5	47.7	47.4	48.4	48.8	47.8
8/19/2015	9:08	42.8	43.5	42.3	45.8	46.4	45.3	48.5	48.8	48.3	50.4	51.0	49.9
8/19/2015	9:10	44.0	45.2	42.4	46.0	46.6	45.4	48.3	49.1	47.7	52.5	53.1	51.8
8/19/2015	9:12	41.2	41.9	40.8	43.8	44.5	43.3	46.2	47.8	44.3	48.7	49.3	48.2
8/19/2015	9:14	43.7	44.3	42.9	44.8	45.3	44.4	---	---	---	50.4	51.0	49.7
8/19/2015	9:16	41.3	41.7	40.9	45.0	45.5	44.5	---	---	---	50.8	51.4	50.1
8/19/2015	9:18	40.3	41.1	39.7	43.7	44.1	43.2	---	---	---	50.7	52.0	49.6
8/19/2015	9:20	46.2	47.6	45.1	43.1	43.4	42.8	---	---	---	53.2	53.5	52.9
8/19/2015	9:22	45.8	47.1	44.5	52.5	52.9	52.0	---	---	---	53.4	53.5	53.0
8/19/2015	9:24	40.6	41.8	39.5	37.3	37.8	36.9	41.1	42.7	39.8	47.1	47.9	47.0
8/19/2015	9:26	42.0	44.0	40.4	39.6	40.8	38.3	61.6	63.8	57.2	40.8	41.1	40.6
8/19/2015	9:28	45.4	47.5	42.8	41.8	41.9	41.2	49.7	49.8	49.2	53.5	53.6	53.2
8/19/2015	9:30	44.3	45.8	42.5	51.6	52.2	50.8	54.8	55.1	54.6	43.5	44.2	43.3
8/19/2015	9:32	38.0	38.4	37.7	38.5	38.9	38.0	47.8	48.2	47.3	43.9	44.3	43.6
8/19/2015	9:34	39.9	40.4	39.3	45.1	45.9	44.2	48.3	48.5	48.0	46.3	46.7	45.7
8/19/2015	9:36	39.1	39.4	38.8	43.5	43.9	43.1	48.6	48.8	48.4	49.3	49.7	48.8
8/19/2015	9:38	39.6	39.9	39.3	43.4	43.8	43.1	47.8	48.0	47.6	57.7	57.9	57.1
8/19/2015	9:40	48.1	48.4	47.7	58.1	58.4	57.8	60.4	60.7	60.1	67.4	67.7	67.0
8/19/2015	9:42	42.2	42.7	41.7	43.9	44.5	43.4	49.5	50.3	49.1	54.0	54.4	53.6
8/19/2015	9:44	40.7	41.5	40.0	37.9	38.1	37.8	46.5	46.7	46.4	41.9	42.0	41.8
8/19/2015	9:46	41.8	42.0	41.5	38.7	39.1	38.3	47.1	47.4	46.8	41.9	42.1	41.6
8/19/2015	9:48	40.3	40.7	39.9	40.5	41.0	39.9	46.8	47.0	46.7	42.0	42.2	41.7
8/19/2015	9:50	38.6	39.0	38.3	38.3	38.6	37.9	47.2	47.3	47.2	42.5	42.8	42.2
8/19/2015	9:52	37.4	37.7	37.1	37.4	37.7	37.1	47.1	47.2	47.1	41.0	41.2	40.9
8/19/2015	9:54	41.4	42.4	40.0	40.2	40.6	39.7	47.3	47.4	47.2	44.0	44.2	43.7
8/19/2015	9:56	42.6	44.0	41.5	43.3	43.5	42.9	47.9	47.9	47.7	44.8	45.1	44.5
8/19/2015	9:58	43.7	44.3	43.0	45.0	45.3	44.8	49.8	50.0	49.6	56.5	56.7	56.2
8/19/2015	10:00	41.4	42.1	40.8	43.7	44.6	43.0	48.5	49.0	48.1	50.8	51.3	50.0
8/19/2015	10:02	42.0	42.7	41.2	45.1	45.9	43.9	47.9	48.2	47.5	52.1	53.2	51.0
8/19/2015	10:04	43.2	44.0	42.5	46.6	46.9	46.0	49.0	49.3	48.7	51.3	51.8	50.9
8/19/2015	10:06	43.3	43.7	43.0	48.5	49.0	48.0	51.2	52.1	50.4	55.5	55.9	55.0
8/19/2015	10:08	40.6	41.0	40.2	46.2	46.7	45.8	46.1	46.6	45.5	52.0	52.4	51.6
8/19/2015	10:10	42.1	42.7	41.5	47.7	48.2	47.1	46.8	47.4	46.3	53.5	54.1	52.8
8/19/2015	10:12	41.7	42.2	41.2	41.6	41.8	41.3	41.6	42.0	41.3	46.8	47.2	46.6
8/19/2015	10:14	40.1	40.7	39.5	39.5	39.8	39.3	41.1	41.4	40.9	44.3	44.5	44.1
8/19/2015	10:16	41.1	41.9	40.2	39.5	39.7	39.3	42.9	43.1	42.7	44.7	45.1	44.3
8/19/2015	10:18	42.1	42.9	41.4	40.6	41.1	40.1	44.2	44.7	43.7	45.5	46.0	45.0
8/19/2015	10:20	40.5	41.5	39.5	39.7	40.2	39.2	44.7	45.4	44.0	46.7	46.9	45.8
8/19/2015	10:22	39.0	39.6	38.5	41.7	42.2	41.3	45.0	45.4	44.7	48.1	48.7	47.7
8/19/2015	10:24	40.1	40.8	39.3	40.2	40.7	39.5	47.6	49.3	46.3	44.4	45.0	43.4
8/19/2015	10:26	42.8	43.7	41.9	41.4	42.0	40.9	43.1	43.4	42.7	45.6	46.3	45.1
8/19/2015	10:28	41.6	42.3	41.0	40.0	40.4	39.7	42.4	42.8	42.1	43.0	43.2	42.8
8/19/2015	10:30	57.7	59.6	55.5	38.4	39.0	37.9	40.9	41.3	40.7	41.4	41.6	41.2
8/19/2015	10:32	62.1	63.6	60.2	39.8	40.1	39.5	40.8	40.9	40.6	45.8	46.0	45.4
8/19/2015	10:34	64.0	65.9	61.4	40.6	41.0	40.2	42.9	43.2	42.6	47.0	47.9	46.3

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/19/2015	10:36	61.4	63.1	59.8	37.7	38.2	37.2	41.2	41.4	41.0	41.8	42.1	41.5
8/19/2015	10:38	58.6	60.5	55.5	40.2	41.2	39.0	62.6	65.6	59.0	43.1	43.4	42.7
8/19/2015	10:40	65.1	67.3	61.6	37.3	37.7	37.0	41.7	42.7	41.7	44.2	44.5	43.8
8/19/2015	10:42	62.0	64.2	60.2	39.4	39.8	38.7	43.4	44.3	42.5	44.6	45.6	43.6
8/19/2015	10:44	66.8	68.8	64.0	42.6	43.6	41.6	42.4	42.8	42.1	---	---	---
8/19/2015	10:46	65.2	67.2	62.9	44.5	45.4	43.6	46.3	46.8	45.7	---	---	---
8/19/2015	10:48	44.9	45.2	44.6	47.1	47.3	46.8	48.9	49.2	48.7	---	---	---
8/19/2015	10:50	42.4	42.7	42.2	46.6	46.9	46.2	48.1	48.3	47.8	---	---	---
8/19/2015	10:52	44.3	44.5	43.7	55.1	55.1	54.1	57.4	57.5	56.6	---	---	---
8/19/2015	10:54	50.1	50.7	49.6	56.6	57.3	56.4	57.8	58.5	57.7	---	---	---
8/19/2015	10:56	48.9	49.2	48.6	56.5	56.9	56.0	57.7	58.2	57.3	61.9	61.9	61.1
8/19/2015	10:58	49.2	49.8	48.7	57.1	57.6	56.7	58.0	58.6	57.5	60.8	61.9	60.6
8/19/2015	11:00	40.7	41.2	40.3	42.6	43.2	42.0	43.2	43.9	42.8	48.0	48.9	47.3
8/19/2015	11:02	41.2	41.6	40.9	41.0	41.4	40.7	43.2	43.5	43.0	43.8	44.2	43.5
8/19/2015	11:04	41.9	42.3	41.3	41.0	41.5	40.4	41.9	42.2	41.7	43.3	43.6	43.0
8/19/2015	11:06	44.5	45.0	43.9	42.7	43.0	42.3	42.7	42.9	42.4	47.0	47.1	46.3
8/19/2015	11:08	44.2	44.6	43.7	49.3	50.3	48.4	50.4	51.4	49.5	54.9	55.4	54.6
8/19/2015	11:10	44.8	45.1	44.4	55.7	55.6	54.8	56.9	56.8	56.1	64.3	64.8	63.7
8/19/2015	11:12	49.5	50.3	48.5	55.0	55.9	55.0	56.1	57.0	56.1	54.2	55.0	53.9
8/19/2015	11:14	47.6	48.0	47.0	56.3	56.7	55.8	57.5	58.0	57.0	63.5	64.0	63.0
8/19/2015	11:16	47.6	48.5	46.8	57.1	57.5	56.5	58.6	59.1	58.1	64.2	64.7	63.6
8/19/2015	11:18	44.2	45.1	43.4	49.1	50.3	47.7	47.5	47.9	47.1	51.5	52.0	51.1
8/19/2015	11:20	47.6	49.3	45.7	46.0	46.5	45.5	45.9	46.2	45.6	51.4	51.6	50.8
8/19/2015	11:22	41.8	42.3	41.3	45.0	45.4	44.6	47.2	47.5	46.8	57.4	57.7	57.1
8/19/2015	11:24	39.1	39.6	38.6	42.6	43.1	42.1	44.7	45.0	44.3	48.0	48.4	47.6
8/19/2015	11:26	42.8	43.2	42.2	46.7	46.9	46.4	47.1	47.4	46.8	50.8	51.1	50.5
8/19/2015	11:28	49.5	50.0	48.9	57.8	58.2	57.3	59.6	60.1	59.2	64.8	65.3	64.3
8/19/2015	11:30	47.2	47.5	46.6	55.2	55.6	54.5	57.2	57.6	56.7	62.5	62.9	62.1
8/19/2015	11:32	47.9	48.4	47.5	51.0	51.8	50.7	50.0	50.8	49.7	58.2	58.7	57.7
8/19/2015	11:34	46.3	47.0	45.4	56.3	56.7	55.6	58.3	58.8	57.7	63.9	64.4	63.2
8/19/2015	11:36	49.7	50.3	49.3	52.8	53.4	52.3	51.5	52.4	51.2	52.7	53.3	52.3
8/19/2015	11:38	41.7	42.3	41.1	40.5	40.9	40.2	44.2	44.6	43.9	46.2	47.1	45.5
8/19/2015	11:40	44.7	45.1	44.2	41.9	42.4	41.4	43.1	43.6	42.8	45.4	46.0	44.9
8/19/2015	11:42	46.5	47.0	46.1	45.4	45.9	44.8	48.0	48.5	47.4	52.9	53.7	51.8
8/19/2015	11:44	52.6	53.4	50.7	47.6	48.4	46.8	51.2	51.7	49.7	58.1	58.7	57.3
8/19/2015	11:46	53.3	54.6	51.4	54.4	54.8	53.7	56.8	57.3	56.0	66.1	66.7	65.4
8/19/2015	11:48	51.4	52.0	50.8	57.1	57.7	56.7	58.9	59.5	58.5	60.2	61.0	59.2
8/19/2015	11:50	51.0	51.4	50.4	57.2	57.6	56.8	58.2	58.6	57.8	63.8	64.4	63.2
8/19/2015	11:52	45.8	46.1	45.4	50.2	50.6	49.7	50.2	50.6	49.5	58.6	58.7	57.9
8/19/2015	11:54	49.6	50.2	49.1	56.4	56.8	55.9	57.5	57.9	57.1	62.8	63.4	62.4
8/19/2015	11:56	45.6	45.9	45.1	48.3	48.8	47.9	48.1	48.4	47.7	53.3	53.8	52.7
8/19/2015	11:58	45.4	45.7	45.2	47.9	48.2	47.4	46.5	46.7	46.2	53.8	54.1	53.4
8/19/2015	12:00	47.4	47.7	47.1	49.1	49.6	48.6	50.3	50.8	49.7	55.7	56.1	55.5
8/19/2015	12:02	48.4	48.7	48.0	56.3	56.6	55.7	59.6	59.9	59.1	71.2	71.5	70.9
8/19/2015	12:04	47.0	47.6	46.4	58.5	59.0	58.0	60.3	60.6	59.9	66.8	67.4	66.2
8/19/2015	12:06	49.1	49.7	48.5	54.5	55.1	54.3	54.9	56.0	54.9	54.8	55.4	54.5
8/19/2015	12:08	48.7	49.0	48.3	56.4	56.8	55.9	57.9	58.3	57.4	63.6	64.1	63.0
8/19/2015	12:10	46.7	47.1	46.0	57.1	57.5	56.5	59.3	59.6	58.7	66.0	66.5	65.4
8/19/2015	12:12	49.8	50.3	49.3	51.8	52.5	51.5	51.0	52.0	50.9	53.2	53.7	52.7
8/19/2015	12:14	44.4	45.1	43.7	46.6	47.3	46.2	46.5	47.0	46.2	50.9	51.5	50.6
8/19/2015	12:16	40.6	41.0	40.2	40.2	40.5	40.0	42.4	42.6	42.2	44.1	44.4	43.9
8/19/2015	12:18	41.7	42.0	41.4	42.2	42.6	41.9	44.3	44.7	44.0	46.3	46.6	46.0
8/19/2015	12:20	44.3	44.7	43.9	46.0	46.5	45.6	47.1	47.4	46.6	51.2	51.6	50.8
8/19/2015	12:22	46.7	46.9	46.3	55.6	55.7	54.9	57.8	57.9	57.2	66.5	66.9	66.0
8/19/2015	12:24	51.6	52.1	51.1	55.2	55.9	55.1	57.4	58.1	57.1	56.5	56.9	56.2
8/19/2015	12:26	52.0	52.6	51.3	56.6	57.1	56.2	57.8	58.3	57.4	63.6	64.1	63.2
8/19/2015	12:28	48.6	49.2	47.9	57.8	58.3	57.4	59.4	59.8	59.0	65.7	66.3	65.1
8/19/2015	12:30	46.0	46.5	45.7	51.1	51.5	50.7	52.2	52.7	51.7	55.4	55.7	54.9
8/19/2015	12:32	43.8	44.2	43.5	47.2	47.9	46.6	47.4	47.9	46.9	53.6	54.3	53.0
8/19/2015	12:34	43.4	43.6	42.8	43.8	44.2	43.4	45.1	45.5	44.7	48.8	49.4	48.4
8/19/2015	12:36	45.7	46.2	45.5	45.4	46.0	44.7	45.0	45.4	44.5	47.3	47.8	46.8
8/19/2015	12:38	44.1	44.5	43.7	45.3	46.1	44.5	46.5	46.9	46.0	49.3	49.8	48.5
8/19/2015	12:40	41.8	42.0	41.4	48.9	49.2	48.3	49.2	49.5	48.6	57.0	57.1	56.2
8/19/2015	12:42	48.6	49.1	48.2	57.2	57.6	56.7	59.2	59.7	58.8	65.2	65.7	64.8
8/19/2015	12:44	48.9	49.3	48.3	56.1	56.6	55.5	57.7	58.2	57.2	63.0	63.5	62.5
8/19/2015	12:46	49.8	50.1	49.5	48.6	49.0	48.2	47.9	48.3	47.6	50.8	51.3	50.4
8/19/2015	12:48	47.6	48.0	47.1	49.8	50.4	49.2	51.2	51.9	50.3	59.3	59.8	58.6

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/19/2015	12:50	49.1	49.4	48.4	57.7	58.1	57.2	60.0	60.5	59.5	66.5	67.0	65.8
8/19/2015	12:52	54.1	54.5	53.7	55.0	55.7	54.5	53.6	54.0	53.1	57.0	57.7	56.3
8/19/2015	12:54	46.0	46.5	45.6	47.7	48.3	47.1	48.3	49.1	47.9	53.2	53.8	52.8
8/19/2015	12:56	43.8	44.5	43.3	43.2	43.4	42.9	44.7	45.0	44.4	47.5	47.9	47.2
8/19/2015	12:58	46.3	46.8	45.8	47.7	48.0	47.2	48.0	48.4	47.6	56.0	56.2	55.6
8/19/2015	13:00	49.7	50.2	49.1	57.1	57.3	56.5	58.6	58.8	58.0	65.9	66.5	65.3
8/19/2015	13:02	49.1	49.7	48.5	54.9	55.6	54.7	56.3	57.0	56.0	59.8	60.0	59.0
8/19/2015	13:04	50.3	50.7	49.9	58.4	58.9	58.0	58.7	59.2	58.3	64.4	65.0	64.0
8/19/2015	13:06	47.6	47.9	47.3	50.0	50.4	49.7	49.8	50.2	49.5	54.2	54.7	53.7
8/19/2015	13:08	50.5	50.9	49.9	57.6	58.0	57.1	59.5	60.0	59.0	65.5	66.0	64.9
8/19/2015	13:10	44.9	46.0	44.3	44.6	45.2	44.3	45.9	46.4	45.7	50.3	50.8	49.8
8/19/2015	13:12	45.1	45.6	44.4	52.6	53.0	52.1	54.7	55.4	54.1	64.0	64.3	63.6
8/19/2015	13:14	46.1	46.5	45.7	43.7	44.1	43.4	44.4	44.7	44.1	47.3	47.7	47.0
8/19/2015	13:16	46.7	47.0	46.3	46.5	46.9	46.1	47.4	47.8	47.1	50.5	50.9	50.1
8/19/2015	13:18	42.4	42.7	42.0	47.1	47.7	46.5	47.2	47.6	46.7	52.4	53.1	51.7
8/19/2015	13:20	49.4	49.8	48.9	57.7	58.1	57.3	59.9	60.3	59.5	66.0	66.6	65.5
8/19/2015	13:22	45.9	46.5	45.3	49.4	49.8	49.0	49.9	50.3	49.4	56.6	56.9	55.9
8/19/2015	13:24	50.8	51.4	50.3	57.1	57.5	56.5	57.8	58.4	57.3	63.5	64.0	63.0
8/19/2015	13:26	51.1	51.6	50.6	58.6	59.0	58.1	59.8	60.2	59.3	66.3	66.9	65.8
8/19/2015	13:28	45.2	46.0	44.7	45.4	45.8	45.2	46.3	46.8	45.9	50.1	50.6	49.8
8/19/2015	13:30	51.0	52.8	48.9	41.1	41.4	40.8	42.1	42.4	41.8	43.8	44.1	43.5
8/19/2015	13:32	52.8	54.8	50.3	45.9	46.4	45.2	44.6	45.1	44.2	51.0	51.5	50.3
8/19/2015	13:34	51.4	52.9	49.7	48.4	48.7	48.0	49.4	49.9	48.8	58.7	58.8	58.3
8/19/2015	13:36	51.0	52.9	49.0	49.7	50.1	49.2	50.2	50.6	49.8	56.6	57.1	56.5
8/19/2015	13:38	48.8	49.5	48.2	57.5	57.9	57.0	59.4	59.9	58.9	66.1	66.7	65.6
8/19/2015	13:40	47.4	47.8	47.0	57.1	57.5	56.6	57.9	58.2	57.5	64.6	65.1	64.1
8/19/2015	13:42	49.6	49.9	49.1	56.9	57.4	56.3	59.4	59.8	58.9	65.4	65.8	64.9
8/19/2015	13:44	52.9	53.6	52.2	53.1	53.7	52.8	52.5	53.1	52.2	55.8	56.4	55.4
8/19/2015	13:46	44.0	45.0	43.9	45.0	45.2	44.4	44.0	44.4	43.7	48.7	49.4	48.1
8/19/2015	13:48	49.2	50.0	48.4	43.3	43.8	43.3	43.4	43.7	43.2	44.4	44.6	44.2
8/19/2015	13:50	49.5	50.5	48.5	45.2	45.8	44.6	46.9	47.3	46.4	52.0	52.4	51.6
8/19/2015	13:52	53.0	55.0	50.2	47.1	47.5	46.4	47.4	47.7	47.0	52.9	53.4	52.2
8/19/2015	13:54	46.0	46.3	45.5	54.9	55.1	54.2	56.5	56.6	55.8	66.1	66.5	65.7
8/19/2015	13:56	54.1	55.9	52.1	55.2	55.8	55.0	56.6	57.3	56.4	58.2	58.6	57.7
8/19/2015	13:58	50.8	52.5	49.0	55.8	56.2	55.3	57.2	57.6	56.8	63.7	64.2	63.2
8/19/2015	14:00	50.8	52.2	49.3	57.7	58.2	57.2	59.9	60.4	59.4	66.5	67.0	65.9
8/19/2015	14:02	46.2	47.1	45.1	50.2	50.6	49.8	52.0	52.7	50.9	59.4	59.9	58.9
8/19/2015	14:04	47.7	48.2	47.2	50.0	50.5	49.5	49.5	50.0	49.1	54.3	55.2	52.9
8/19/2015	14:06	51.2	51.6	50.7	46.4	46.8	46.1	46.7	47.0	46.3	49.6	50.1	49.2
8/19/2015	14:08	52.6	53.3	52.0	44.2	44.5	43.8	43.8	44.1	43.5	45.8	46.1	45.5
8/19/2015	14:10	53.9	54.6	53.2	48.2	48.6	47.8	49.2	49.6	48.7	52.0	52.7	51.4
8/19/2015	14:12	53.8	54.3	53.1	49.6	50.0	49.1	49.1	49.5	48.7	54.7	55.0	54.2
8/19/2015	14:14	53.6	53.9	53.2	57.9	58.3	57.5	59.0	59.4	58.5	65.6	66.0	65.1
8/19/2015	14:16	50.1	50.5	49.7	50.6	50.7	50.0	53.6	53.9	52.9	62.5	62.4	61.5
8/19/2015	14:18	50.8	51.3	50.5	54.8	55.3	54.5	55.5	56.1	55.3	56.2	58.7	57.2
8/19/2015	14:20	48.1	48.6	47.6	46.3	46.8	45.8	47.3	47.8	46.8	52.3	52.8	51.6
8/19/2015	14:22	49.9	50.3	49.6	49.6	50.0	49.2	49.9	50.3	49.5	55.1	55.6	54.7
8/19/2015	14:24	48.7	49.0	48.3	52.9	53.3	52.3	53.2	53.7	52.6	60.5	61.0	60.1
8/19/2015	14:26	51.2	51.6	50.7	58.3	58.8	57.7	60.1	60.6	59.6	65.8	66.3	65.2
8/19/2015	14:28	46.4	47.0	46.0	49.6	50.0	49.1	49.8	50.2	49.5	54.3	54.8	53.5
8/19/2015	14:30	51.4	51.8	50.9	56.7	57.2	56.2	59.1	59.5	58.7	65.0	65.5	64.6
8/19/2015	14:32	47.8	48.2	47.4	48.7	49.2	48.3	53.1	54.3	51.9	54.3	54.9	53.7
8/19/2015	14:34	49.8	50.1	49.4	52.1	53.1	51.2	56.2	58.4	53.2	54.6	55.1	54.0
8/19/2015	14:36	50.4	50.7	50.1	60.2	60.6	59.7	63.7	64.1	63.1	65.5	66.0	64.9
8/19/2015	14:38	48.7	49.1	48.3	50.9	51.5	50.8	50.5	51.4	50.5	52.7	53.3	52.4
8/19/2015	14:40	45.6	46.7	44.5	46.8	47.2	46.4	46.7	47.3	46.2	47.9	48.3	47.6
8/19/2015	14:42	46.5	46.9	46.1	45.1	45.4	44.7	45.2	45.6	44.8	47.5	48.0	47.0
8/19/2015	14:44	46.6	47.1	46.0	46.1	46.6	45.7	47.6	48.0	47.2	48.6	48.9	48.3
8/19/2015	14:46	45.9	46.4	45.4	45.8	46.2	45.5	47.1	47.4	46.7	48.7	49.1	48.3
8/19/2015	14:48	43.4	43.9	42.9	42.3	42.5	42.0	43.5	43.6	43.3	46.5	46.7	46.3
8/19/2015	14:50	47.1	47.7	46.4	48.4	49.0	47.8	48.9	49.5	48.2	54.7	55.4	53.9
8/19/2015	14:52	49.4	49.7	48.9	57.9	58.3	57.4	58.6	59.1	58.1	64.3	64.8	63.8
8/19/2015	14:54	49.5	50.0	49.2	49.4	50.1	49.2	49.7	50.3	49.4	51.2	51.8	50.9
8/19/2015	14:56	45.0	45.5	44.7	46.4	46.8	46.1	47.8	48.2	47.4	50.6	51.1	50.1
8/19/2015	14:58	48.9	49.1	48.6	50.7	51.0	50.3	51.0	51.3	50.7	56.6	57.0	56.2
8/19/2015	15:00	52.4	52.7	52.1	53.4	53.7	52.9	54.1	54.2	53.3	64.8	64.9	64.0
8/19/2015	15:02	52.9	53.6	52.2	57.2	57.7	56.9	58.3	58.8	58.1	57.5	59.3	58.0

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/19/2015	15:04	51.0	50.7	48.2	55.4	56.0	54.9	56.4	56.9	56.0	62.4	62.9	61.9
8/19/2015	15:06	50.0	52.3	50.3	46.7	47.0	46.4	46.4	47.3	45.9	44.2	44.6	43.9
8/19/2015	15:08	---	---	---	44.9	45.2	44.4	45.8	46.2	45.3	49.6	49.7	48.9
8/19/2015	15:10	---	---	---	47.9	48.4	47.5	49.3	49.7	48.9	61.5	62.2	60.8
8/19/2015	15:12	---	---	---	48.2	48.5	47.7	46.8	47.1	46.4	50.6	50.8	50.0
8/19/2015	15:14	---	---	---	54.2	54.7	53.8	54.1	54.6	53.6	61.2	61.7	60.7
8/19/2015	15:16	---	---	---	49.2	49.6	48.9	49.8	50.1	49.4	53.1	53.6	52.5
8/19/2015	15:18	---	---	---	57.6	58.1	57.1	59.4	59.8	58.9	65.5	66.0	65.0
8/19/2015	15:20	---	---	---	49.5	49.9	49.1	50.0	50.5	49.5	53.0	53.6	52.4
8/19/2015	15:22	52.4	53.6	51.3	57.4	57.8	56.9	59.5	59.8	59.1	66.3	66.7	65.8
8/19/2015	15:24	48.1	48.5	47.7	47.7	48.2	47.3	48.5	49.0	48.2	49.9	50.3	49.4
8/19/2015	15:26	49.1	49.6	48.6	55.9	56.3	55.4	57.3	57.7	56.9	62.9	63.4	62.5
8/19/2015	15:28	46.7	47.0	46.5	47.8	48.4	47.5	48.6	49.1	48.2	57.3	58.3	56.2
8/19/2015	15:30	48.5	48.7	48.2	46.7	47.1	46.3	46.0	46.6	45.4	50.0	50.5	49.5
8/19/2015	15:32	46.8	47.0	46.6	56.6	57.2	55.9	52.2	52.7	51.6	51.2	51.7	50.7
8/19/2015	15:34	48.0	48.2	47.6	47.0	47.3	46.6	47.3	47.7	46.9	51.4	51.8	51.1
8/19/2015	15:36	48.3	48.6	48.1	51.3	51.8	50.8	51.6	52.0	51.2	54.6	55.1	54.2
8/19/2015	15:38	48.0	48.3	47.6	48.5	49.0	48.0	49.4	50.1	48.8	53.0	53.5	52.4
8/19/2015	15:40	52.2	52.7	51.9	58.2	58.7	57.7	59.5	59.9	59.0	65.5	66.1	64.9
8/19/2015	15:42	48.4	48.6	48.1	49.3	49.5	48.9	49.2	49.7	48.8	52.5	52.9	51.9
8/19/2015	15:44	53.2	53.6	52.9	58.6	59.1	58.0	60.8	61.4	60.2	66.0	66.5	65.4
8/19/2015	15:46	47.1	47.4	46.8	51.7	51.8	50.9	53.6	53.7	52.9	63.5	63.9	62.9
8/19/2015	15:48	48.5	48.8	48.2	53.9	54.5	53.6	54.9	55.4	54.7	53.4	54.6	53.5
8/19/2015	15:50	43.9	44.3	43.6	47.8	48.1	47.4	48.9	49.3	48.4	52.2	52.8	51.8
8/19/2015	15:52	48.5	48.8	48.1	59.6	60.0	59.2	62.2	62.5	61.8	56.0	56.4	55.6
8/19/2015	15:54	46.5	46.9	46.3	46.5	47.1	45.8	47.0	47.6	46.5	50.8	51.6	50.0
8/19/2015	15:56	47.3	48.1	46.4	45.1	45.5	44.4	48.8	49.4	47.5	51.3	51.6	49.2
8/19/2015	15:58	49.5	50.5	48.6	59.8	61.3	58.1	59.6	61.0	58.0	61.2	62.6	59.8
8/19/2015	16:00	51.9	52.1	51.6	53.4	54.3	52.3	56.7	58.2	55.1	56.6	57.7	55.2
8/19/2015	16:02	48.1	48.4	47.8	47.3	47.8	46.9	47.8	48.4	47.5	49.7	50.2	49.3
8/19/2015	16:04	45.5	45.9	45.2	46.4	47.0	45.8	48.2	48.8	47.6	49.6	50.2	48.9
8/19/2015	16:06	45.9	46.6	45.1	44.4	45.1	43.7	46.0	46.7	45.3	46.3	46.8	45.8
8/19/2015	16:08	46.5	47.4	45.6	46.3	46.8	45.8	47.9	48.4	47.5	46.2	46.8	45.7
8/19/2015	16:10	50.4	50.7	50.1	47.3	48.0	46.8	46.6	47.2	45.9	45.2	45.6	44.5
8/19/2015	16:12	46.5	47.4	45.8	40.1	40.6	40.0	41.4	41.9	41.4	39.8	40.4	39.7
8/19/2015	16:14	42.5	43.0	41.7	41.9	42.3	41.0	42.9	43.3	42.3	42.2	42.7	41.5
8/19/2015	16:16	48.8	49.6	48.0	46.4	47.1	45.7	48.0	48.7	47.3	47.9	48.9	46.9
8/19/2015	16:18	45.2	45.7	44.8	44.3	44.7	43.9	44.0	44.5	43.6	44.2	44.8	43.7
8/19/2015	16:20	45.3	45.6	45.0	44.7	45.0	44.5	42.2	42.5	42.0	40.0	40.4	39.7
8/19/2015	16:22	50.3	50.6	49.7	45.7	46.1	45.4	45.5	46.0	45.0	44.6	45.1	44.2
8/19/2015	16:24	50.5	51.3	49.9	47.7	48.3	47.1	47.8	48.4	47.2	48.8	49.8	47.7
8/19/2015	16:26	49.8	50.3	49.1	50.5	51.0	49.9	50.4	51.0	49.7	50.1	50.8	49.4
8/19/2015	16:28	50.5	51.0	50.1	48.8	49.2	48.6	48.4	48.9	48.1	47.3	48.0	46.8
8/19/2015	16:30	49.0	49.8	48.4	49.4	50.1	48.6	48.4	49.3	47.4	49.0	50.2	47.9
8/20/2015	7:00	49.0	49.4	48.6	50.1	50.4	49.7	49.9	50.3	49.5	50.0	50.4	49.6
8/20/2015	7:02	42.0	42.5	41.5	42.5	43.0	41.9	40.7	41.3	40.3	42.5	43.2	42.0
8/20/2015	7:04	43.4	43.9	43.0	42.8	43.0	42.5	40.9	41.1	40.6	42.1	42.3	41.9
8/20/2015	7:06	46.9	47.3	46.4	45.3	45.7	45.0	45.7	46.2	45.2	45.2	45.6	44.7
8/20/2015	7:08	43.9	44.7	43.2	43.0	43.3	42.7	43.6	44.3	43.1	42.7	43.0	42.4
8/20/2015	7:10	44.0	44.5	43.4	43.8	44.3	43.3	43.8	44.4	43.2	44.4	44.8	44.0
8/20/2015	7:12	44.6	46.1	43.2	39.7	39.9	39.3	41.6	42.0	40.9	41.4	41.6	41.1
8/20/2015	7:14	42.2	42.8	41.4	41.9	42.4	41.0	42.3	42.7	41.8	44.7	45.0	44.3
8/20/2015	7:16	45.2	46.0	44.6	40.9	41.8	40.7	42.8	43.6	42.2	41.7	42.0	41.5
8/20/2015	7:18	46.8	49.1	44.2	42.7	43.8	41.6	43.6	44.7	42.6	46.8	48.0	45.5
8/20/2015	7:20	46.4	47.8	44.6	40.8	41.1	40.5	42.3	42.9	41.9	48.3	48.8	47.8
8/20/2015	7:22	41.4	42.2	41.0	41.5	41.8	41.1	42.8	43.2	42.4	50.1	50.6	49.5
8/20/2015	7:24	42.5	43.4	41.6	42.0	42.4	41.7	42.2	42.6	41.9	50.9	51.3	50.5
8/20/2015	7:26	41.5	42.4	40.6	43.3	43.7	42.7	42.9	43.1	42.5	53.2	53.7	52.6
8/20/2015	7:28	39.6	40.1	38.8	43.6	44.8	42.6	41.6	42.0	41.2	50.6	51.2	50.1
8/20/2015	7:30	42.2	43.0	41.5	42.7	43.5	42.0	42.6	42.9	42.1	52.7	53.3	52.0
8/20/2015	7:32	45.3	46.2	44.3	45.5	46.0	44.9	46.6	47.0	46.1	52.6	53.2	52.1
8/20/2015	7:34	44.9	45.8	43.9	53.2	53.3	52.5	55.9	56.0	55.1	66.3	66.9	65.6
8/20/2015	7:36	49.0	49.8	48.4	55.7	56.2	55.4	57.8	58.4	57.6	60.2	60.6	60.0
8/20/2015	7:38	44.8	45.2	44.5	61.6	61.9	61.2	59.6	59.8	59.4	60.3	60.6	60.0
8/20/2015	7:40	46.4	47.1	45.7	48.9	49.2	48.7	51.4	51.9	51.3	52.1	53.0	51.3
8/20/2015	7:42	45.9	46.9	45.1	45.8	46.0	45.5	49.3	49.6	49.1	50.3	50.6	49.9
8/20/2015	7:44	45.8	46.0	45.4	57.3	57.7	56.9	59.3	59.6	58.9	65.1	65.4	64.7

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/20/2015	7:46	44.8	45.1	44.6	47.2	47.6	47.1	49.5	49.7	49.3	55.8	55.8	55.3
8/20/2015	7:48	49.1	49.5	48.8	58.1	58.5	57.7	60.6	60.9	60.2	66.8	67.2	66.3
8/20/2015	7:50	44.7	45.1	44.3	44.6	45.0	44.3	48.8	49.1	48.5	50.4	50.9	49.9
8/20/2015	7:52	42.4	42.7	42.2	43.6	43.9	43.3	47.0	47.2	46.7	52.6	52.7	51.9
8/20/2015	7:54	48.3	48.6	47.8	57.0	57.5	56.5	59.2	59.6	58.7	64.6	65.2	64.1
8/20/2015	7:56	48.8	50.1	47.8	43.5	44.0	43.0	44.7	45.1	44.4	49.4	49.8	48.8
8/20/2015	7:58	45.3	45.8	44.8	55.4	55.9	54.8	57.8	58.2	57.2	63.8	64.3	63.2
8/20/2015	8:00	53.6	54.2	52.9	47.1	47.6	46.6	49.6	50.2	48.9	51.2	51.9	50.5
8/20/2015	8:02	50.6	51.2	50.0	47.8	48.1	47.4	51.0	51.3	50.7	52.0	52.6	51.5
8/20/2015	8:04	51.7	52.2	51.3	49.7	50.2	49.3	53.0	53.7	52.4	54.5	55.3	53.6
8/20/2015	8:06	49.3	50.0	48.4	46.0	46.4	45.5	47.2	47.5	46.9	49.7	50.4	48.9
8/20/2015	8:08	48.5	49.1	47.6	45.5	45.8	45.1	46.1	46.5	45.8	51.4	52.1	50.7
8/20/2015	8:10	49.0	49.7	48.1	44.4	44.8	43.9	44.6	45.1	43.9	50.8	51.4	50.1
8/20/2015	8:12	48.5	49.0	48.3	47.6	47.8	47.2	47.1	47.3	46.6	55.3	55.6	54.7
8/20/2015	8:14	49.8	50.2	49.5	61.7	62.1	61.2	64.6	65.0	64.2	67.5	67.9	67.0
8/20/2015	8:16	49.1	49.6	48.5	56.7	57.2	56.2	59.0	59.4	58.5	64.4	65.0	63.8
8/20/2015	8:18	47.4	47.9	47.1	55.4	55.8	55.0	57.6	57.9	57.2	62.9	63.3	62.4
8/20/2015	8:20	46.7	47.4	46.1	54.4	54.6	53.8	56.3	56.4	55.8	64.6	64.9	64.2
8/20/2015	8:22	48.4	49.1	47.9	56.2	56.7	55.9	57.5	58.0	57.3	61.2	61.9	60.6
8/20/2015	8:24	53.1	53.8	52.5	48.3	48.9	47.6	49.0	49.4	48.6	53.3	54.0	52.4
8/20/2015	8:26	47.8	49.2	46.4	45.3	45.5	45.0	47.4	47.6	47.2	48.4	48.9	48.0
8/20/2015	8:28	49.8	50.6	49.0	44.6	44.7	44.3	48.0	48.1	47.8	47.0	47.2	46.6
8/20/2015	8:30	46.7	47.5	46.0	49.8	50.3	49.3	51.4	51.7	51.0	59.4	59.9	58.9
8/20/2015	8:32	48.7	49.0	48.3	57.7	58.0	57.3	59.9	60.3	59.5	65.9	66.5	65.3
8/20/2015	8:34	48.5	49.2	48.1	49.4	49.9	49.0	50.9	51.1	50.5	60.4	60.4	59.4
8/20/2015	8:36	47.8	48.2	47.4	56.4	56.9	55.9	58.8	59.3	58.4	62.0	62.8	61.7
8/20/2015	8:38	45.6	46.1	45.1	55.5	55.9	55.0	57.3	57.6	56.9	63.7	64.2	63.2
8/20/2015	8:40	44.4	45.1	44.0	47.5	48.1	47.3	49.2	49.6	49.1	52.5	52.9	51.9
8/20/2015	8:42	46.2	47.0	45.5	56.4	56.8	55.9	58.8	59.3	58.4	64.6	65.0	64.1
8/20/2015	8:44	43.7	44.0	43.3	48.0	48.2	47.5	51.4	51.5	50.8	59.6	59.8	58.8
8/20/2015	8:46	44.4	44.8	44.1	55.8	56.2	55.5	61.2	61.6	60.8	58.5	59.4	58.3
8/20/2015	8:48	45.9	46.4	45.5	47.0	47.3	46.5	50.4	50.8	50.1	63.2	63.8	62.3
8/20/2015	8:50	47.0	47.5	46.6	47.8	48.3	47.3	50.6	50.9	50.3	65.2	66.2	64.4
8/20/2015	8:52	48.2	48.9	47.5	64.4	64.6	64.1	60.6	60.7	60.5	53.1	53.3	53.0
8/20/2015	8:54	49.2	50.6	47.7	56.5	56.9	56.5	51.4	51.7	51.3	44.1	44.5	43.9
8/20/2015	8:56	47.7	48.3	47.0	55.0	55.6	54.4	51.6	51.8	51.2	61.4	61.6	61.1
8/20/2015	8:58	45.7	46.1	45.3	66.5	66.9	65.9	62.0	62.6	61.5	52.1	52.9	52.2
8/20/2015	9:00	46.6	46.9	46.2	63.5	63.9	63.1	58.2	58.5	57.9	48.1	48.5	47.7
8/20/2015	9:02	51.2	51.6	50.6	67.0	67.3	66.7	60.4	60.6	60.1	51.4	51.9	51.0
8/20/2015	9:04	48.3	48.9	48.0	57.6	58.4	57.1	59.2	59.7	58.9	50.4	50.7	50.1
8/20/2015	9:06	48.4	48.6	48.2	66.1	66.7	65.4	61.2	62.2	60.2	52.6	53.6	51.5
8/20/2015	9:08	47.0	47.4	46.7	70.6	71.4	70.0	63.6	63.8	62.9	54.3	54.9	53.5
8/20/2015	9:10	46.8	47.1	46.4	63.1	64.2	62.5	65.5	66.9	64.6	55.6	56.6	54.6
8/20/2015	9:12	48.5	48.8	48.1	66.2	66.4	66.0	59.3	59.6	59.3	48.9	49.1	48.7
8/20/2015	9:14	48.6	49.3	48.0	49.6	50.2	49.0	47.1	47.4	46.8	47.0	47.3	46.7
8/20/2015	9:16	51.6	52.2	50.8	71.4	72.5	70.4	58.3	59.1	57.0	50.0	50.3	49.6
8/20/2015	9:18	56.2	57.0	55.3	56.9	58.2	56.7	50.9	51.4	50.4	48.9	49.4	48.5
8/20/2015	9:20	51.0	52.2	50.0	64.9	65.1	64.6	59.5	59.4	58.5	45.7	45.8	45.3
8/20/2015	9:22	43.3	44.0	42.7	73.5	74.4	72.0	67.0	68.0	66.2	50.4	50.9	49.9
8/20/2015	9:24	50.3	51.1	49.4	52.9	54.3	51.7	51.1	51.8	51.0	47.0	47.4	46.8
8/20/2015	9:26	47.2	48.0	46.6	52.8	53.8	51.1	48.7	49.6	47.9	42.3	42.6	42.1
8/20/2015	9:28	47.9	48.7	47.2	54.7	55.9	52.9	56.6	58.7	54.5	46.6	47.2	45.9
8/20/2015	9:30	45.9	46.6	45.2	52.5	52.5	51.9	48.8	49.0	48.3	43.9	44.2	43.4
8/20/2015	9:32	47.3	48.3	46.2	69.6	70.5	68.9	67.8	68.9	66.6	50.4	51.1	49.5
8/20/2015	9:34	50.6	51.3	49.8	61.6	62.4	60.7	60.6	61.1	60.1	52.6	53.5	51.8
8/20/2015	9:36	46.0	46.2	45.7	67.0	67.3	66.7	65.0	65.8	64.3	54.0	54.8	53.2
8/20/2015	9:38	46.1	46.5	45.8	52.2	52.7	51.6	56.4	57.0	55.8	63.2	63.9	62.1
8/20/2015	9:40	49.2	49.7	48.6	56.4	57.4	55.2	59.7	60.6	58.4	67.1	67.8	65.9
8/20/2015	9:42	48.2	48.6	47.8	52.6	53.5	52.1	58.0	59.0	57.0	68.9	70.1	68.0
8/20/2015	9:44	48.5	48.8	48.3	51.7	52.3	50.8	54.2	55.1	53.6	65.3	66.0	64.3
8/20/2015	9:46	47.4	48.1	46.4	54.2	54.8	53.6	55.9	56.5	55.3	66.7	67.5	65.7
8/20/2015	9:48	47.9	48.3	47.5	49.0	49.3	48.8	50.9	51.2	50.6	61.1	61.4	60.7
8/20/2015	9:50	45.4	46.0	44.8	47.9	48.4	47.3	47.6	47.9	47.3	56.7	57.3	55.9
8/20/2015	9:52	45.7	46.4	45.1	52.4	53.1	51.3	55.3	56.6	54.4	67.6	68.5	66.6
8/20/2015	9:54	44.9	45.6	44.1	55.6	55.8	55.3	60.0	60.2	59.8	59.0	59.3	58.9
8/20/2015	9:56	43.5	44.3	42.6	44.1	44.4	43.9	44.4	44.8	44.3	46.1	46.3	45.8
8/20/2015	9:58	43.9	44.5	43.1	46.4	46.7	46.1	47.3	47.6	46.9	50.1	50.5	49.7

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/20/2015	10:00	44.5	45.1	43.9	46.7	47.0	46.3	46.0	46.3	45.7	51.2	51.8	50.6
8/20/2015	10:02	49.1	49.6	48.5	56.9	57.4	56.4	58.4	58.8	57.9	64.4	65.0	63.8
8/20/2015	10:04	51.5	52.1	50.9	47.5	47.9	46.8	48.8	48.9	48.0	60.8	60.9	59.9
8/20/2015	10:06	47.5	48.0	47.0	56.4	56.8	56.0	58.0	58.3	57.6	59.8	60.7	59.8
8/20/2015	10:08	49.6	50.0	49.2	58.2	58.6	57.7	59.3	59.7	58.8	66.9	67.4	66.4
8/20/2015	10:10	48.4	48.8	48.0	52.7	53.5	51.9	52.8	53.9	52.0	66.6	67.6	65.6
8/20/2015	10:12	50.8	51.2	50.4	58.0	58.4	57.5	59.8	60.2	59.4	66.6	67.0	66.3
8/20/2015	10:14	48.3	48.6	48.0	50.1	50.6	49.6	50.5	50.9	50.2	55.7	56.2	55.1
8/20/2015	10:16	49.1	49.9	48.5	45.4	45.9	44.9	46.5	47.5	45.8	61.5	62.3	60.9
8/20/2015	10:18	54.2	55.6	52.8	40.8	41.3	40.4	43.4	43.8	43.0	50.1	50.8	49.5
8/20/2015	10:20	51.9	52.7	50.1	45.8	46.3	45.3	47.3	47.7	46.8	53.3	54.1	52.6
8/20/2015	10:22	52.7	53.9	51.6	46.0	46.6	45.6	45.9	46.3	45.6	52.3	53.1	51.6
8/20/2015	10:24	51.5	52.8	50.3	55.8	56.1	55.3	57.4	57.8	56.8	63.6	64.0	63.1
8/20/2015	10:26	48.3	48.9	47.9	49.9	50.6	49.8	50.5	51.6	49.7	52.7	53.2	52.3
8/20/2015	10:28	44.7	45.3	44.1	44.5	44.8	44.0	45.2	45.5	44.6	53.0	53.5	52.4
8/20/2015	10:30	42.5	42.9	42.2	51.4	51.5	50.5	54.2	53.9	51.9	59.1	58.8	57.6
8/20/2015	10:32	49.2	49.7	48.8	72.0	72.5	71.5	70.0	70.4	69.6	63.4	64.1	63.2
8/20/2015	10:34	49.8	50.2	49.3	67.0	67.9	66.2	68.3	68.9	67.7	65.4	65.8	64.9
8/20/2015	10:36	46.5	46.8	46.1	59.6	60.3	58.9	64.7	65.4	64.0	63.6	64.1	63.0
8/20/2015	10:38	49.7	50.2	49.3	57.2	57.8	56.6	59.0	59.5	58.4	64.3	64.7	63.8
8/20/2015	10:40	44.3	45.3	43.2	46.6	47.3	45.9	47.6	48.1	47.0	49.8	50.6	49.1
8/20/2015	10:42	46.9	48.0	45.9	62.3	62.8	61.7	58.6	59.3	58.1	50.8	51.3	50.3
8/20/2015	10:44	47.8	48.6	47.0	47.1	47.6	46.7	48.5	49.3	47.8	51.1	51.9	50.5
8/20/2015	10:46	46.6	47.2	45.8	50.8	52.0	49.7	60.5	62.2	56.7	66.6	67.6	65.4
8/20/2015	10:48	49.6	50.2	48.9	57.7	58.2	57.2	59.2	59.7	58.8	65.2	65.6	64.9
8/20/2015	10:50	47.7	48.5	46.7	52.8	53.1	52.2	54.3	54.3	53.6	65.6	65.5	64.7
8/20/2015	10:52	50.5	51.2	49.8	57.8	58.2	57.4	60.4	60.8	60.1	64.5	65.5	64.7
8/20/2015	10:54	54.1	55.5	52.5	46.7	47.5	46.0	46.5	47.0	46.0	54.2	55.0	53.5
8/20/2015	10:56	50.5	51.9	49.1	43.1	43.5	42.8	43.9	44.2	43.6	50.9	51.3	50.4
8/20/2015	10:58	43.3	43.7	42.7	51.6	51.5	50.7	54.6	54.6	53.8	64.7	65.2	64.2
8/20/2015	11:00	48.7	49.2	48.2	64.8	65.4	64.2	63.8	64.4	63.4	62.3	62.7	62.0
8/20/2015	11:02	48.2	48.7	47.6	56.6	57.0	56.1	57.5	57.9	57.0	65.5	65.9	65.1
8/20/2015	11:04	45.9	46.4	45.4	51.3	51.6	50.8	54.2	54.5	53.4	65.8	66.2	65.0
8/20/2015	11:06	48.8	49.3	48.3	55.8	56.3	55.4	57.1	57.7	56.7	58.6	59.9	58.9
8/20/2015	11:08	47.6	48.5	46.4	47.6	48.1	47.1	47.6	48.0	47.1	54.1	54.6	53.5
8/20/2015	11:10	45.2	45.8	44.6	47.2	47.6	46.8	47.3	47.7	47.0	53.8	54.2	53.4
8/20/2015	11:12	51.7	52.5	50.8	46.1	46.5	45.7	47.5	47.9	47.1	51.6	52.1	51.2
8/20/2015	11:14	51.6	52.9	50.3	48.1	48.5	47.7	49.4	49.8	49.0	53.7	54.1	53.2
8/20/2015	11:16	50.0	50.5	49.2	57.2	57.6	56.7	58.8	59.3	58.4	64.6	65.1	64.1
8/20/2015	11:18	46.9	47.8	46.7	47.4	47.9	47.0	48.5	48.8	47.8	---	---	---
8/20/2015	11:20	47.7	48.3	47.1	56.9	57.3	56.4	59.2	59.6	58.7	---	---	---
8/20/2015	11:22	49.4	49.8	48.9	59.2	59.6	58.7	64.5	65.0	63.9	---	---	---
8/20/2015	11:24	47.0	47.4	46.7	54.0	54.4	53.4	56.4	56.8	55.8	---	---	---
8/20/2015	11:26	49.7	50.3	49.1	55.0	55.6	54.3	55.9	56.6	55.4	---	---	---
8/20/2015	11:28	42.5	43.1	41.9	46.9	48.1	46.6	46.5	48.1	46.6	---	---	---
8/20/2015	11:30	41.2	41.6	40.9	44.2	44.5	43.8	46.7	47.0	46.3	---	---	---
8/20/2015	11:32	44.7	45.1	44.3	47.7	48.3	47.0	48.4	48.9	47.8	---	---	---
8/20/2015	11:34	47.0	47.6	46.4	48.7	49.4	48.1	49.9	50.6	49.5	34.0	34.0	33.2
8/20/2015	11:36	47.4	48.3	46.5	42.0	42.3	41.6	44.8	45.1	44.6	50.2	50.9	49.2
8/20/2015	11:38	43.1	43.8	42.5	42.4	43.3	41.6	50.0	51.2	49.0	47.6	48.7	46.7
8/20/2015	11:40	48.8	49.6	48.1	69.8	70.3	69.2	65.1	65.1	64.5	53.8	53.9	53.3
8/20/2015	11:42	46.3	47.1	45.4	52.8	54.1	52.8	62.7	63.8	62.6	64.9	65.3	64.6
8/20/2015	11:44	47.3	48.0	46.6	46.9	47.3	46.6	---	---	---	54.2	54.6	53.8
8/20/2015	11:46	50.0	50.6	49.4	57.6	58.1	57.1	---	---	---	64.8	65.2	64.3
8/20/2015	11:48	46.4	47.1	45.7	47.2	47.6	46.9	---	---	---	52.8	53.5	52.1
8/20/2015	11:50	50.0	50.4	49.6	62.1	62.5	61.6	---	---	---	64.2	64.7	63.7
8/20/2015	11:52	44.7	45.0	44.3	48.6	48.8	48.1	---	---	---	57.1	57.2	56.2
8/20/2015	11:54	47.2	47.6	46.8	55.2	55.7	54.8	47.9	49.8	46.2	62.1	62.7	61.8
8/20/2015	11:56	48.6	49.3	47.8	58.7	59.7	57.8	65.4	67.5	62.0	64.5	64.9	64.2
8/20/2015	11:58	45.7	46.3	45.0	50.9	51.2	50.7	51.8	52.3	51.3	53.7	54.2	53.2
8/20/2015	12:00	46.0	46.4	45.7	49.5	49.8	49.2	49.9	50.4	49.3	51.3	51.7	50.7
8/20/2015	12:02	49.9	50.4	49.4	58.5	58.9	58.0	60.2	60.6	59.7	66.8	67.4	66.2
8/20/2015	12:04	46.3	46.7	45.9	50.3	50.5	50.1	48.1	48.5	47.7	53.9	54.4	53.5
8/20/2015	12:06	44.5	44.9	44.1	52.2	52.3	51.8	51.6	51.6	50.7	63.0	62.8	61.6
8/20/2015	12:08	51.5	52.1	50.8	57.5	58.0	57.1	59.2	59.7	58.7	60.5	62.3	61.0
8/20/2015	12:10	46.5	47.1	45.9	55.8	56.3	55.3	57.5	57.9	57.2	63.5	64.0	63.0
8/20/2015	12:12	46.2	46.7	45.8	57.2	57.4	56.4	63.7	63.9	62.9	58.7	59.1	58.2

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/20/2015	12:14	47.5	47.9	46.9	51.9	53.5	51.7	58.9	60.1	59.1	63.3	63.8	62.8
8/20/2015	12:16	49.3	49.7	48.9	---	---	---	58.0	58.4	57.6	64.0	64.4	63.6
8/20/2015	12:18	47.6	48.4	46.8	---	---	---	59.5	59.8	59.0	66.5	66.9	66.0
8/20/2015	12:20	47.5	48.1	46.9	---	---	---	51.2	52.3	51.3	55.3	56.0	54.5
8/20/2015	12:22	48.0	48.4	47.5	---	---	---	57.7	57.7	56.8	65.5	66.0	65.0
8/20/2015	12:24	51.1	51.8	50.4	46.5	47.5	44.8	56.4	57.6	56.3	55.8	56.6	55.4
8/20/2015	12:26	46.5	47.5	45.6	57.6	60.5	55.2	53.7	54.0	52.9	62.5	62.9	62.1
8/20/2015	12:28	49.0	49.7	48.3	61.3	63.6	58.6	55.9	56.6	55.4	55.3	55.8	55.1
8/20/2015	12:30	48.6	49.4	47.6	49.5	50.0	49.0	52.6	53.4	51.3	56.7	57.4	56.1
8/20/2015	12:32	49.4	49.7	49.2	50.2	50.7	49.8	51.3	51.7	50.7	58.2	59.0	57.2
8/20/2015	12:34	50.7	51.2	50.2	56.6	57.2	56.1	58.2	58.7	57.8	65.0	65.5	64.6
8/20/2015	12:36	51.3	52.0	50.4	57.2	57.6	56.7	59.8	60.3	59.4	64.5	64.9	64.0
8/20/2015	12:38	53.2	54.4	51.8	47.9	48.8	47.6	48.9	49.6	48.5	48.8	49.5	48.3
8/20/2015	12:40	46.7	48.6	45.7	44.6	45.2	43.9	46.1	46.8	45.6	51.9	52.5	51.1
8/20/2015	12:42	44.9	45.7	44.1	49.5	49.6	48.7	51.7	51.6	50.8	62.0	62.3	61.5
8/20/2015	12:44	46.4	46.8	46.0	55.6	56.2	55.1	55.9	56.4	55.7	57.5	58.4	57.4
8/20/2015	12:46	45.0	45.3	44.6	59.5	59.6	58.9	63.6	63.7	63.1	63.1	63.6	62.6
8/20/2015	12:48	44.2	44.7	43.9	69.5	70.0	69.0	65.1	65.7	64.7	58.6	58.8	58.1
8/20/2015	12:50	47.2	47.8	46.7	52.0	52.2	51.6	53.5	54.0	53.0	61.6	62.0	61.2
8/20/2015	12:52	52.4	52.8	52.0	57.9	58.3	57.3	59.1	59.6	58.6	65.0	65.4	64.5
8/20/2015	12:54	51.6	52.0	51.2	57.7	58.4	57.1	58.9	59.4	58.4	64.7	65.3	64.1
8/20/2015	12:56	50.8	51.3	50.4	58.5	59.0	58.0	60.3	60.8	59.8	66.2	66.6	65.7
8/20/2015	12:58	48.0	48.4	47.3	49.9	50.4	49.4	55.3	55.6	54.5	57.4	57.8	56.8
8/20/2015	13:00	47.7	49.7	45.7	56.1	56.6	55.5	53.6	54.3	52.9	63.0	63.1	62.0
8/20/2015	13:02	48.5	49.2	47.6	56.0	56.4	55.5	57.8	58.3	57.4	59.5	60.9	59.7
8/20/2015	13:04	47.1	47.9	46.5	50.6	51.3	49.9	51.7	52.4	51.0	58.4	59.1	57.6
8/20/2015	13:06	48.2	48.5	47.9	51.1	51.5	50.7	51.7	52.2	51.4	55.3	55.7	55.0
8/20/2015	13:08	45.4	45.8	45.1	50.3	50.7	49.7	51.4	51.8	50.7	58.7	59.0	57.9
8/20/2015	13:10	49.1	49.4	48.7	54.4	54.8	54.0	55.2	55.6	54.9	63.5	64.2	63.1
8/20/2015	13:12	50.8	51.2	50.4	57.5	57.8	57.2	59.1	59.5	58.8	64.9	65.4	64.5
8/20/2015	13:14	48.8	49.5	48.2	50.2	50.7	49.7	50.1	50.6	49.6	55.4	56.0	54.7
8/20/2015	13:16	51.0	51.5	50.5	58.3	58.7	57.8	59.6	60.1	59.1	65.2	65.7	64.8
8/20/2015	13:18	46.5	46.8	46.2	53.6	53.9	53.3	56.1	56.4	55.7	64.6	64.9	64.2
8/20/2015	13:20	48.2	48.8	47.7	57.5	57.9	57.1	59.0	59.4	58.6	66.2	66.7	65.7
8/20/2015	13:22	53.5	55.2	51.6	55.9	56.2	55.5	56.6	57.0	56.3	63.4	63.9	62.9
8/20/2015	13:24	54.3	56.6	51.6	53.4	53.6	53.0	52.7	53.0	52.3	57.0	57.5	56.4
8/20/2015	13:26	52.9	55.2	50.2	54.6	55.2	54.0	56.7	57.4	56.2	67.6	68.4	66.7
8/20/2015	13:28	53.8	54.9	52.8	58.8	59.2	58.5	59.9	60.3	59.5	65.3	65.7	65.0
8/20/2015	13:30	54.4	55.1	53.7	54.3	54.7	53.9	54.4	54.8	54.1	56.6	57.1	56.1
8/20/2015	13:32	51.1	51.7	50.5	58.8	59.4	58.0	59.2	59.9	58.6	58.5	58.9	57.9
8/20/2015	13:34	50.7	51.1	50.3	59.4	59.8	58.9	61.2	61.7	60.8	69.0	69.5	68.3
8/20/2015	13:36	46.2	46.5	45.6	58.2	58.7	57.7	60.1	60.6	59.5	70.5	71.6	69.4
8/20/2015	13:38	48.0	48.7	47.5	56.3	57.1	55.4	59.0	59.9	58.0	69.3	70.5	68.4
8/20/2015	13:40	49.8	50.3	49.4	58.9	59.4	58.5	61.5	62.2	61.0	68.1	68.7	67.3
8/20/2015	13:42	48.6	49.0	48.2	54.1	54.5	53.6	56.2	57.0	55.8	65.9	66.4	65.5
8/20/2015	13:44	47.5	48.0	47.1	51.4	52.0	50.7	50.3	50.7	49.7	59.6	60.1	58.9
8/20/2015	13:46	50.3	51.1	49.4	56.7	57.1	56.3	58.5	58.9	58.3	67.9	68.4	67.5
8/20/2015	13:48	49.3	50.2	48.5	53.4	53.9	52.8	55.7	56.3	55.1	66.4	66.9	65.8
8/20/2015	13:50	47.1	47.6	46.7	52.0	52.5	51.5	53.6	54.1	53.1	63.7	64.0	63.3
8/20/2015	13:52	49.3	49.6	49.0	57.0	57.3	56.5	59.2	59.4	58.8	69.8	70.2	69.3
8/20/2015	13:54	53.4	53.9	52.9	60.0	60.6	59.4	61.1	61.9	60.7	59.9	60.6	59.5
8/20/2015	13:56	51.3	51.7	50.9	57.8	58.2	57.3	60.1	60.5	59.6	65.9	66.4	65.4
8/20/2015	13:58	46.8	47.1	46.6	54.1	54.2	53.5	54.9	55.0	54.4	62.9	63.3	62.4
8/20/2015	14:00	48.5	49.3	47.8	53.9	54.6	53.6	54.7	55.4	54.5	57.2	57.6	56.8
8/20/2015	14:02	50.9	51.6	50.1	57.1	57.5	56.7	58.4	58.8	57.9	64.9	65.3	64.5
8/20/2015	14:04	51.6	52.2	51.1	51.3	51.6	50.9	51.5	52.0	51.1	58.3	58.8	57.9
8/20/2015	14:06	54.5	54.9	54.2	51.6	51.9	51.2	52.7	53.2	52.0	58.2	58.6	57.9
8/20/2015	14:08	50.7	51.2	50.2	48.7	49.1	48.3	49.0	49.6	48.6	50.1	50.4	49.7
8/20/2015	14:10	52.4	53.8	50.6	49.8	50.2	49.4	50.2	50.7	49.8	55.0	55.4	54.5
8/20/2015	14:12	50.7	51.1	50.4	56.8	57.2	56.4	58.2	58.6	57.7	65.0	65.5	64.5
8/20/2015	14:14	50.0	50.3	49.5	57.9	58.4	57.4	59.6	60.0	59.2	66.7	67.2	66.1
8/20/2015	14:16	53.0	53.4	52.7	61.3	61.7	60.7	64.8	65.3	64.3	66.1	66.6	65.6
8/20/2015	14:18	47.8	48.3	47.5	52.2	52.8	52.0	51.2	51.9	51.0	57.4	57.8	57.0
8/20/2015	14:20	49.7	50.1	49.3	57.2	57.6	56.8	58.4	58.9	57.9	64.7	65.1	64.3
8/20/2015	14:22	47.2	47.6	46.8	51.5	52.0	51.0	51.3	51.8	50.9	59.7	60.1	59.3
8/20/2015	14:24	45.9	46.5	45.3	49.3	49.7	48.7	50.1	50.8	49.4	55.7	56.2	55.0
8/20/2015	14:26	45.8	46.3	45.3	50.7	51.2	50.2	50.8	51.1	50.2	58.1	58.6	57.4

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/20/2015	14:28	50.2	50.7	49.7	70.7	71.2	70.1	65.3	65.8	64.7	58.8	59.4	58.3
8/20/2015	14:30	53.0	53.6	52.4	61.9	62.3	61.6	67.0	67.4	66.6	67.9	68.4	67.5
8/20/2015	14:32	50.4	50.9	50.0	58.1	58.6	57.6	59.4	59.8	58.9	65.1	65.5	64.6
8/20/2015	14:34	48.2	50.0	47.3	55.8	56.1	55.4	57.2	57.5	56.8	65.0	65.4	64.5
8/20/2015	14:36	43.1	44.2	42.0	50.8	51.3	50.4	51.3	51.7	50.8	57.8	58.3	57.3
8/20/2015	14:38	---	---	---	57.0	57.3	56.6	57.9	58.3	57.6	64.5	65.0	64.0
8/20/2015	14:40	---	---	---	48.4	48.9	48.2	48.8	49.5	48.3	53.3	53.9	52.9
8/20/2015	14:42	---	---	---	44.1	44.3	43.8	44.7	45.1	44.3	48.1	48.4	47.7
8/20/2015	14:44	---	---	---	46.6	47.0	46.0	46.5	46.8	46.0	51.6	52.1	51.1
8/20/2015	14:46	46.8	48.0	45.7	52.6	52.9	52.2	53.4	53.8	53.0	61.1	61.5	60.8
8/20/2015	14:48	55.5	57.1	53.5	65.9	66.4	65.4	61.7	62.1	61.3	53.2	53.5	52.8
8/20/2015	14:50	49.6	50.6	48.6	56.6	57.0	56.0	58.8	59.2	58.2	65.1	65.5	64.7
8/20/2015	14:52	50.7	51.2	50.2	53.6	54.1	53.3	53.6	54.3	53.4	57.3	57.6	56.8
8/20/2015	14:54	51.7	52.3	51.1	61.9	62.6	61.1	61.4	61.8	61.0	65.8	66.5	65.1
8/20/2015	14:56	48.0	48.5	47.3	50.0	50.5	49.6	51.2	51.6	50.7	59.1	59.9	58.4
8/20/2015	14:58	44.8	45.8	44.2	45.9	46.5	45.3	45.2	45.7	44.9	54.1	54.7	53.4
8/20/2015	15:00	44.9	45.6	44.0	49.7	50.0	49.3	49.0	49.4	48.7	58.8	59.3	58.4
8/20/2015	15:02	49.7	50.0	49.4	52.0	52.3	51.5	50.5	50.9	49.9	59.9	60.1	59.1
8/20/2015	15:04	52.1	52.8	51.4	63.8	64.4	63.2	60.9	61.2	60.5	61.0	61.8	60.5
8/20/2015	15:06	52.3	52.7	52.0	56.7	57.0	56.3	57.5	57.8	57.1	64.7	65.1	64.2
8/20/2015	15:08	51.7	52.1	51.4	56.8	57.2	56.4	58.0	58.4	57.5	64.7	65.0	64.4
8/20/2015	15:10	47.1	47.5	46.8	49.9	50.3	49.5	50.0	50.3	49.7	59.3	59.5	59.0
8/20/2015	15:12	45.5	45.9	45.2	53.2	53.7	52.6	53.8	54.4	53.2	63.5	64.1	62.8
8/20/2015	15:14	50.3	50.8	49.8	57.9	58.3	57.4	59.5	59.9	59.1	66.0	66.4	65.6
8/20/2015	15:16	50.6	51.1	50.2	58.2	58.6	57.7	59.9	60.4	59.3	66.2	66.7	65.7
8/20/2015	15:18	43.5	43.9	43.1	50.0	50.5	49.6	49.9	50.2	49.5	55.4	55.8	54.9
8/20/2015	15:20	45.6	45.6	44.6	56.1	56.5	55.6	56.9	57.3	56.5	64.3	64.8	63.8
8/20/2015	15:22	46.8	47.4	46.6	48.5	49.2	48.3	47.9	48.4	47.7	54.6	55.0	54.1
8/20/2015	15:24	46.9	47.8	46.0	50.6	51.0	50.1	50.6	51.0	50.1	58.3	58.8	57.9
8/20/2015	15:26	52.2	52.6	51.7	55.3	55.7	55.0	55.4	55.8	55.0	63.2	63.5	62.9
8/20/2015	15:28	50.4	50.6	50.1	57.2	57.6	56.8	58.2	58.5	57.8	64.6	65.0	64.3
8/20/2015	15:30	49.0	49.4	48.6	57.0	57.4	56.6	59.1	59.5	58.5	65.7	66.2	65.2
8/20/2015	15:32	49.3	49.9	49.0	52.9	53.5	52.7	52.4	52.9	52.2	56.8	57.2	56.4
8/20/2015	15:34	44.4	44.5	44.0	50.7	51.1	50.1	51.1	51.5	50.6	59.2	59.4	58.6
8/20/2015	15:36	49.6	50.1	49.2	56.8	57.2	56.4	58.7	59.2	58.3	65.2	65.7	64.7
8/20/2015	15:38	46.4	46.6	45.7	57.0	57.4	56.5	57.1	57.5	56.6	64.9	65.4	64.4
8/20/2015	15:40	46.3	47.1	46.0	51.4	52.1	51.1	51.1	51.6	50.8	57.4	57.9	56.9
8/20/2015	15:42	45.0	45.4	44.5	49.0	49.4	48.6	48.9	49.3	48.3	58.8	59.3	58.4
8/20/2015	15:44	48.2	48.6	47.8	55.9	56.4	55.4	57.9	58.3	57.4	65.2	65.6	64.7
8/20/2015	15:46	40.6	41.0	40.4	47.9	48.2	47.2	49.3	49.4	48.2	64.0	64.1	63.1
8/20/2015	15:48	49.0	49.4	48.6	57.4	58.0	56.8	58.7	59.2	58.3	61.7	62.8	61.8
8/20/2015	15:50	49.4	49.8	49.1	52.4	53.4	51.0	51.3	51.8	50.8	55.9	56.6	55.0
8/20/2015	15:52	45.5	46.0	45.2	49.8	50.3	49.4	51.7	52.3	51.3	56.1	56.5	55.6
8/20/2015	15:54	46.1	46.5	45.7	43.9	44.2	43.5	45.9	46.5	45.4	51.9	52.8	51.0
8/20/2015	15:56	50.5	51.0	49.7	48.9	49.8	48.0	54.3	55.0	52.1	61.3	62.5	59.8
8/20/2015	15:58	47.8	48.6	46.8	48.8	50.0	47.7	55.0	56.3	53.5	60.7	62.0	59.7
8/20/2015	16:00	45.9	46.3	45.5	42.4	42.7	42.1	42.4	42.6	42.1	41.0	41.4	40.8
8/20/2015	16:02	42.3	43.1	42.0	40.1	40.4	39.8	43.3	43.6	42.9	44.3	44.7	43.8
8/20/2015	16:04	47.3	48.3	45.8	47.3	48.4	46.2	50.8	52.0	49.5	56.0	57.1	54.8
8/20/2015	16:06	41.7	42.4	41.1	38.3	38.5	38.1	41.4	41.6	41.2	40.9	41.3	40.6
8/20/2015	16:08	42.0	42.6	41.4	40.8	41.0	40.6	41.6	41.8	41.4	40.2	40.5	39.8
8/20/2015	16:10	44.2	44.5	44.0	43.7	44.0	43.4	43.0	43.3	42.7	42.0	42.2	41.7
8/20/2015	16:12	48.2	48.8	47.6	44.5	44.8	44.2	47.3	48.1	46.3	41.3	41.5	41.0
8/20/2015	16:14	41.8	42.2	41.5	40.3	40.6	40.1	41.5	41.8	41.3	40.1	40.4	39.8
8/20/2015	16:16	40.9	41.2	40.5	41.3	41.6	41.0	42.1	42.3	41.8	41.4	41.8	41.0
8/20/2015	16:18	45.1	45.3	44.7	43.8	44.1	43.5	42.9	43.4	42.5	41.0	41.3	40.7
8/20/2015	16:20	45.7	46.2	44.9	39.4	39.6	39.3	41.6	41.9	41.3	40.2	40.5	40.0
8/20/2015	16:22	44.6	45.7	44.1	38.4	38.6	38.2	40.4	40.6	40.3	39.0	39.2	38.8
8/20/2015	16:24	43.7	44.1	43.3	40.4	40.6	40.2	41.7	42.2	41.3	38.6	38.8	38.4
8/20/2015	16:26	40.5	40.8	40.2	40.8	41.1	40.6	41.6	41.9	41.4	39.5	39.8	39.2
8/20/2015	16:28	51.2	51.5	50.8	47.0	47.4	46.6	45.1	45.6	44.5	41.5	41.9	41.1
8/20/2015	16:30	46.8	47.2	46.7	41.4	41.9	41.0	43.1	43.8	42.4	38.7	39.4	38.1
8/21/2015	7:00	39.4	39.9	39.0	39.7	40.2	39.3	40.6	41.8	39.0	39.2	39.7	38.8
8/21/2015	7:02	39.2	39.7	38.8	38.6	38.9	38.4	36.8	37.0	36.6	39.6	40.4	38.9
8/21/2015	7:04	40.7	41.1	40.2	41.6	42.0	41.1	43.4	45.1	41.7	42.5	42.8	42.3
8/21/2015	7:06	42.1	42.4	41.7	43.8	44.3	43.2	44.5	45.9	43.2	43.8	44.0	43.6
8/21/2015	7:08	45.7	48.0	43.3	43.6	44.9	42.6	43.7	45.3	42.3	44.1	45.3	42.3

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/21/2015	7:10	42.7	43.4	42.0	44.2	44.6	43.7	43.3	43.7	42.9	44.2	44.6	43.8
8/21/2015	7:12	49.1	50.0	47.9	45.0	45.4	44.5	42.3	42.6	42.0	43.1	43.4	42.8
8/21/2015	7:14	45.8	46.2	45.4	44.2	44.8	43.5	43.3	43.7	42.9	45.3	45.9	44.7
8/21/2015	7:16	44.2	44.7	43.8	43.3	43.6	43.0	44.6	44.9	44.3	46.2	46.7	45.7
8/21/2015	7:18	43.1	43.3	42.8	42.9	43.2	42.5	44.5	44.8	44.2	44.6	44.9	44.4
8/21/2015	7:20	51.6	52.7	50.3	47.8	48.8	46.7	45.7	46.2	45.2	50.6	51.6	49.6
8/21/2015	7:22	45.1	45.4	44.7	42.7	42.9	42.5	45.3	45.6	45.1	46.4	46.8	46.1
8/21/2015	7:24	45.0	45.5	44.5	43.1	43.5	42.7	45.2	45.5	45.0	47.0	47.1	46.8
8/21/2015	7:26	44.5	45.2	43.8	42.8	43.3	42.2	45.4	45.8	45.0	46.2	46.5	45.9
8/21/2015	7:28	47.8	49.2	46.3	47.1	47.8	46.3	47.1	47.6	46.6	50.5	51.0	50.0
8/21/2015	7:30	52.5	54.2	50.5	51.8	52.4	51.2	52.3	52.9	51.6	58.5	59.2	57.8
8/21/2015	7:32	48.6	50.3	47.1	50.1	50.8	49.3	50.0	50.6	49.2	58.1	58.9	57.2
8/21/2015	7:34	45.5	46.3	44.7	52.1	53.0	51.0	53.1	54.0	52.1	59.5	60.4	58.5
8/21/2015	7:36	46.6	48.3	44.8	47.3	48.3	46.5	48.6	49.6	47.4	54.0	55.0	53.2
8/21/2015	7:38	41.7	42.5	41.0	44.0	44.2	43.7	45.5	45.8	45.2	53.3	53.7	52.7
8/21/2015	7:40	42.9	43.2	42.5	45.1	45.5	44.7	46.1	46.4	45.9	56.0	56.7	55.4
8/21/2015	7:42	42.1	42.5	41.8	48.1	48.4	47.8	49.6	50.0	49.2	59.1	59.5	58.8
8/21/2015	7:44	43.9	44.5	43.2	47.3	47.8	46.8	46.7	47.1	46.1	55.1	55.5	54.5
8/21/2015	7:46	41.7	42.5	40.9	49.4	49.9	48.7	47.4	47.9	46.8	58.5	59.0	57.8
8/21/2015	7:48	41.3	41.9	40.8	44.9	45.6	44.5	43.6	44.3	43.1	53.7	54.4	53.2
8/21/2015	7:50	40.2	40.5	39.8	46.7	47.2	46.1	45.7	46.2	45.1	55.7	56.1	55.1
8/21/2015	7:52	44.2	45.3	43.0	51.7	51.8	51.2	52.7	52.8	52.2	62.9	63.3	62.5
8/21/2015	7:54	46.8	47.5	46.1	54.7	55.2	54.3	55.8	56.4	55.4	58.5	58.8	58.1
8/21/2015	7:56	49.1	49.9	48.5	57.2	57.6	56.7	58.5	59.0	58.1	65.1	65.7	64.5
8/21/2015	7:58	43.6	44.4	42.8	49.7	50.5	48.8	49.2	50.1	48.4	58.5	59.2	57.9
8/21/2015	8:00	49.2	49.6	48.8	58.2	58.6	57.8	60.1	60.4	59.7	67.1	67.5	66.6
8/21/2015	8:02	46.8	47.2	46.4	48.9	49.4	48.3	49.4	49.9	48.9	55.8	56.3	55.2
8/21/2015	8:04	47.8	48.8	46.5	49.1	49.7	48.6	51.6	52.1	51.1	64.4	64.9	63.8
8/21/2015	8:06	43.1	43.8	42.5	67.5	68.2	66.8	61.7	62.3	61.2	57.0	57.7	56.2
8/21/2015	8:08	45.6	46.0	45.0	46.6	47.0	46.2	47.0	47.4	46.5	54.7	55.2	54.2
8/21/2015	8:10	43.2	43.7	42.7	49.6	50.0	49.2	49.5	50.0	49.1	57.6	58.1	57.1
8/21/2015	8:12	49.1	49.5	48.7	57.1	57.5	56.6	58.3	58.7	57.9	65.6	66.0	65.1
8/21/2015	8:14	45.1	45.6	44.6	53.8	54.0	53.1	55.3	55.5	54.5	65.6	66.1	65.0
8/21/2015	8:16	48.7	49.2	48.3	56.5	57.1	56.2	57.6	58.2	57.2	59.9	60.5	59.8
8/21/2015	8:18	47.9	48.5	47.3	56.5	56.8	56.2	57.7	58.1	57.3	65.1	65.6	64.6
8/21/2015	8:20	49.2	49.9	48.5	57.1	57.5	56.7	58.3	58.7	57.8	65.6	66.1	65.0
8/21/2015	8:22	44.4	44.9	44.0	50.2	50.8	49.7	50.3	50.9	49.8	58.2	58.7	57.7
8/21/2015	8:24	43.3	43.9	42.7	50.8	51.3	50.4	51.2	51.8	50.6	58.6	59.0	58.2
8/21/2015	8:26	50.0	50.4	49.6	57.7	58.0	57.3	59.6	59.9	59.2	66.0	66.5	65.6
8/21/2015	8:28	43.2	43.8	42.7	50.1	50.6	49.5	49.8	50.2	49.3	58.5	59.0	58.0
8/21/2015	8:30	44.4	45.2	43.5	50.1	50.9	49.4	49.4	50.2	48.2	58.6	59.3	58.0
8/21/2015	8:32	42.2	43.0	41.5	48.7	49.3	48.2	49.6	51.2	48.2	58.0	58.5	57.5
8/21/2015	8:34	43.3	44.0	42.8	47.8	48.3	47.2	47.5	48.3	46.5	57.5	58.0	57.0
8/21/2015	8:36	44.6	45.2	43.7	53.3	54.3	52.2	50.2	50.7	49.4	60.8	61.3	60.2
8/21/2015	8:38	48.8	49.2	48.3	32.1	32.0	31.7	57.7	58.1	57.2	64.6	65.1	64.0
8/21/2015	8:40	46.2	46.6	45.8	---	---	---	50.5	50.8	50.1	59.0	59.5	58.6
8/21/2015	8:42	48.8	49.2	48.2	---	---	---	58.0	58.5	57.5	66.3	66.8	65.7
8/21/2015	8:44	48.2	48.5	47.7	---	---	---	61.0	61.6	60.3	65.3	65.8	64.9
8/21/2015	8:46	44.7	45.4	44.6	---	---	---	52.1	52.5	51.5	62.6	62.9	62.0
8/21/2015	8:48	45.7	46.1	45.4	---	---	---	58.2	59.0	57.5	63.9	64.6	63.5
8/21/2015	8:50	41.1	41.4	40.8	---	---	---	---	---	---	58.7	59.3	58.2
8/21/2015	8:52	48.4	48.8	47.9	---	---	---	---	---	---	66.6	67.2	66.0
8/21/2015	8:54	44.8	45.3	44.6	---	---	---	---	---	---	63.4	63.5	62.4
8/21/2015	8:56	48.2	48.6	47.9	---	---	---	---	---	---	63.3	64.2	63.3
8/21/2015	8:58	44.3	44.7	43.9	---	---	---	---	---	---	62.7	63.6	61.8
8/21/2015	9:00	50.7	51.1	50.2	---	---	---	59.5	60.5	58.7	66.3	67.1	65.5
8/21/2015	9:02	47.2	47.5	46.8	---	---	---	53.7	54.0	53.1	63.6	63.7	62.8
8/21/2015	9:04	50.7	51.1	50.3	---	---	---	61.2	61.8	60.7	68.2	68.8	67.8
8/21/2015	9:06	50.0	50.3	49.5	---	---	---	60.9	61.2	60.5	68.5	69.5	67.7
8/21/2015	9:08	50.9	51.6	50.4	---	---	---	54.7	55.2	54.3	60.3	60.8	59.6
8/21/2015	9:10	51.5	52.0	51.0	---	---	---	60.3	60.8	59.8	67.4	67.9	66.9
8/21/2015	9:12	47.1	47.5	46.7	---	---	---	52.1	52.5	51.6	60.8	61.2	60.2
8/21/2015	9:14	48.3	48.8	47.9	---	---	---	60.2	60.7	59.4	65.0	65.6	64.5
8/21/2015	9:16	39.9	40.3	39.7	---	---	---	42.5	43.1	42.1	47.8	48.1	47.7
8/21/2015	9:18	43.4	44.0	42.8	---	---	---	49.5	50.1	48.9	62.8	63.6	61.7
8/21/2015	9:20	45.1	45.5	44.6	---	---	---	50.9	51.6	50.3	64.9	65.8	63.9
8/21/2015	9:22	44.2	44.5	44.0	---	---	---	50.4	51.0	50.1	59.5	60.2	58.9

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/21/2015	9:24	41.7	42.0	41.2	---	---	---	46.8	47.2	46.3	56.0	56.2	55.4
8/21/2015	9:26	45.5	45.9	45.2	---	---	---	56.8	57.2	56.5	64.7	65.8	63.7
8/21/2015	9:28	47.6	48.1	47.2	---	---	---	59.3	59.7	58.9	65.8	66.3	65.3
8/21/2015	9:30	48.3	48.8	47.8	---	---	---	58.9	59.4	58.3	64.1	64.6	63.7
8/21/2015	9:32	46.9	47.4	46.4	---	---	---	58.4	58.9	57.9	64.8	65.1	64.4
8/21/2015	9:34	48.4	48.8	47.8	---	---	---	59.6	60.1	59.2	65.7	66.1	65.2
8/21/2015	9:36	47.0	47.7	46.8	---	---	---	51.4	51.5	50.6	63.6	63.5	62.6
8/21/2015	9:38	46.8	47.2	46.3	---	---	---	56.9	57.4	56.5	59.2	61.1	59.7
8/21/2015	9:40	41.6	41.9	41.2	---	---	---	45.5	45.8	45.2	56.0	56.3	55.7
8/21/2015	9:42	42.8	43.5	42.1	---	---	---	45.5	45.9	45.1	55.9	56.1	55.6
8/21/2015	9:44	42.0	42.5	41.7	---	---	---	42.9	43.4	42.5	57.4	59.1	55.8
8/21/2015	9:46	43.0	43.6	42.4	---	---	---	44.0	45.0	43.1	47.5	48.8	46.4
8/21/2015	9:48	47.1	47.6	46.2	---	---	---	58.0	58.6	57.5	---	---	---
8/21/2015	9:50	46.7	47.1	45.9	---	---	---	58.2	58.7	57.7	---	---	---
8/21/2015	9:52	47.8	48.6	47.6	---	---	---	49.4	50.0	49.1	---	---	---
8/21/2015	9:54	42.9	43.8	41.9	---	---	---	44.8	45.1	44.5	---	---	---
8/21/2015	9:56	44.7	45.7	43.8	---	---	---	48.5	48.8	48.1	---	---	---
8/21/2015	9:58	51.2	51.7	50.6	---	---	---	60.6	60.9	60.1	40.8	40.6	40.2
8/21/2015	10:00	49.9	50.6	49.3	---	---	---	60.3	60.6	60.0	65.3	65.7	64.9
8/21/2015	10:02	48.3	49.3	47.2	---	---	---	53.1	54.0	52.1	61.7	62.2	61.3
8/21/2015	10:04	49.4	50.0	48.9	---	---	---	61.5	63.0	59.8	66.1	66.6	65.7
8/21/2015	10:06	49.5	49.9	48.8	---	---	---	59.5	59.9	59.0	66.6	67.0	66.1
8/21/2015	10:08	48.9	49.6	48.5	---	---	---	56.6	56.9	56.4	62.0	62.6	61.6
8/21/2015	10:10	45.8	46.4	45.4	---	---	---	46.3	47.1	45.9	54.8	55.4	54.2
8/21/2015	10:12	48.2	48.7	47.0	---	---	---	47.4	47.9	46.8	56.5	57.3	55.8
8/21/2015	10:14	51.4	52.1	50.8	---	---	---	58.7	59.2	58.2	65.0	65.6	64.4
8/21/2015	10:16	49.3	49.8	48.6	---	---	---	54.4	54.6	53.3	61.8	61.8	61.1
8/21/2015	10:18	54.5	55.4	53.5	---	---	---	58.6	59.1	58.1	65.1	65.6	64.6
8/21/2015	10:20	52.7	53.5	51.9	---	---	---	56.6	57.0	56.3	61.7	62.6	61.4
8/21/2015	10:22	51.5	52.1	50.8	---	---	---	59.6	60.1	58.9	64.0	64.5	63.5
8/21/2015	10:24	49.1	49.8	48.3	---	---	---	58.8	59.2	58.3	58.1	58.7	57.7
8/21/2015	10:26	48.4	49.4	47.5	---	---	---	56.6	57.1	56.1	63.2	63.5	62.8
8/21/2015	10:28	50.8	51.2	50.3	---	---	---	57.1	57.7	56.3	68.1	68.9	67.5
8/21/2015	10:30	54.6	54.9	54.3	---	---	---	56.7	56.8	56.1	68.1	68.4	67.6
8/21/2015	10:32	56.1	56.5	55.7	---	---	---	61.6	61.9	61.0	69.8	70.7	69.2
8/21/2015	10:34	55.7	56.5	55.0	---	---	---	63.5	64.1	63.2	67.8	68.3	67.4
8/21/2015	10:36	48.5	49.4	48.0	---	---	---	60.0	60.5	59.5	69.6	70.2	68.9
8/21/2015	10:38	48.3	48.6	47.8	---	---	---	59.7	60.1	59.2	67.7	68.2	67.3
8/21/2015	10:40	46.3	46.8	46.0	---	---	---	56.5	56.6	55.7	65.3	65.8	64.6
8/21/2015	10:42	48.5	49.0	48.0	---	---	---	55.0	56.1	55.0	61.5	62.4	60.6
8/21/2015	10:44	42.7	43.3	42.3	---	---	---	48.8	49.2	48.4	61.3	62.0	60.3
8/21/2015	10:46	43.4	43.8	42.9	---	---	---	48.2	48.6	47.9	57.3	57.7	57.0
8/21/2015	10:48	45.4	45.9	44.9	---	---	---	49.2	49.6	48.8	56.4	56.8	56.1
8/21/2015	10:50	43.6	43.9	43.2	---	---	---	44.5	44.6	44.1	52.4	53.1	51.5
8/21/2015	10:52	44.0	44.4	43.5	---	---	---	57.6	57.9	57.1	67.2	67.6	66.9
8/21/2015	10:54	47.7	48.3	47.1	---	---	---	60.3	60.8	59.9	65.3	65.7	64.8
8/21/2015	10:56	46.4	47.4	45.7	---	---	---	55.7	56.1	55.3	61.5	62.0	61.3
8/21/2015	10:58	51.3	52.5	50.0	---	---	---	59.4	59.8	59.1	66.3	66.8	65.8
8/21/2015	11:00	49.2	50.7	47.7	---	---	---	59.4	59.6	58.9	65.7	66.0	65.2
8/21/2015	11:02	52.8	53.7	51.9	---	---	---	54.1	55.1	53.8	62.8	63.3	62.6
8/21/2015	11:04	48.4	49.5	47.3	---	---	---	49.9	50.3	49.4	59.4	59.9	58.7
8/21/2015	11:06	46.6	48.0	45.1	---	---	---	47.4	47.8	47.1	56.4	56.7	56.1
8/21/2015	11:08	53.6	54.8	52.3	---	---	---	59.4	59.8	58.9	65.7	66.2	65.3
8/21/2015	11:10	48.7	50.1	47.6	---	---	---	57.0	57.4	56.5	64.8	65.3	64.2
8/21/2015	11:12	56.9	58.4	55.3	---	---	---	53.9	54.6	53.7	57.6	58.0	57.1
8/21/2015	11:14	49.9	50.4	49.2	---	---	---	58.9	59.4	58.4	64.5	65.1	64.0
8/21/2015	11:16	53.1	53.5	52.7	---	---	---	61.0	61.4	60.6	66.3	66.8	65.9
8/21/2015	11:18	50.9	52.3	49.7	---	---	---	58.4	58.9	57.9	64.9	65.4	64.3
8/21/2015	11:20	45.6	46.0	45.1	---	---	---	49.6	50.0	49.2	56.6	57.0	56.2
8/21/2015	11:22	45.0	45.4	44.7	---	---	---	50.8	51.2	50.4	57.7	58.1	57.3
8/21/2015	11:24	50.3	50.7	49.7	---	---	---	60.8	61.4	60.2	65.8	66.4	65.2
8/21/2015	11:26	49.6	50.4	48.7	---	---	---	52.5	53.7	51.6	55.7	56.0	55.5
8/21/2015	11:28	46.7	47.0	46.3	---	---	---	58.0	58.4	57.5	64.8	65.3	64.2
8/21/2015	11:30	48.3	48.6	47.9	---	---	---	51.5	52.3	51.4	57.2	57.5	56.9
8/21/2015	11:32	48.5	49.0	48.0	---	---	---	60.1	60.6	59.6	67.2	67.7	66.7
8/21/2015	11:34	44.5	45.4	43.6	---	---	---	45.7	46.1	45.4	52.9	53.3	52.7
8/21/2015	11:36	45.2	45.8	44.8	---	---	---	48.6	49.0	48.2	55.1	55.4	54.7

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/21/2015	11:38	50.5	51.2	49.8	---	---	---	58.2	58.6	57.6	64.6	65.1	64.0
8/21/2015	11:40	49.5	50.2	48.9	---	---	---	54.7	55.1	54.4	62.1	62.5	61.8
8/21/2015	11:42	49.2	49.5	48.7	---	---	---	65.3	65.8	64.7	67.5	68.0	66.9
8/21/2015	11:44	50.2	50.8	49.6	---	---	---	56.8	57.6	56.5	64.6	64.9	64.0
8/21/2015	11:46	49.4	49.8	49.1	---	---	---	57.9	58.4	57.6	64.0	64.4	63.9
8/21/2015	11:48	47.9	48.2	47.5	---	---	---	63.7	64.1	63.2	66.8	67.3	66.3
8/21/2015	11:50	50.0	50.4	49.6	---	---	---	53.9	54.9	53.6	56.8	57.2	56.3
8/21/2015	11:52	43.3	43.5	43.0	---	---	---	48.0	48.4	47.6	56.6	56.9	56.3
8/21/2015	11:54	43.8	44.4	43.3	---	---	---	49.0	49.3	48.6	56.7	57.0	56.3
8/21/2015	11:56	48.5	49.3	47.5	---	---	---	53.5	53.6	52.6	65.3	65.3	64.3
8/21/2015	11:58	49.8	50.3	49.3	---	---	---	57.9	58.4	57.5	61.7	62.9	61.7
8/21/2015	12:00	49.9	50.5	49.5	50.6	51.1	50.2	57.4	57.8	57.0	64.3	65.0	63.9
8/21/2015	12:02	50.8	51.3	50.3	57.7	58.1	57.2	59.8	60.3	59.3	66.3	66.8	65.8
8/21/2015	12:04	50.0	50.4	49.5	57.2	57.6	56.8	58.5	58.9	58.1	65.5	66.0	65.0
8/21/2015	12:06	47.1	47.5	46.8	54.7	54.7	53.8	56.7	56.7	56.0	66.5	66.9	66.0
8/21/2015	12:08	51.3	51.8	50.7	56.6	57.1	56.5	58.0	58.6	57.8	58.9	59.5	58.6
8/21/2015	12:10	47.5	48.0	47.2	47.8	48.3	47.4	48.3	48.8	47.8	48.7	49.0	48.1
8/21/2015	12:12	48.1	48.5	47.7	49.6	50.0	49.2	51.1	51.7	50.6	53.2	53.7	52.7
8/21/2015	12:14	47.3	47.6	46.9	50.8	51.1	50.3	50.5	50.9	50.0	56.9	57.1	56.3
8/21/2015	12:16	51.4	51.8	51.0	56.9	57.4	56.5	58.5	58.9	58.0	65.2	65.8	64.7
8/21/2015	12:18	49.4	49.8	49.0	58.2	58.4	57.8	60.2	60.5	59.7	64.7	65.1	64.2
8/21/2015	12:20	46.1	46.5	45.8	53.6	53.9	53.3	56.2	56.8	56.1	60.7	61.0	60.4
8/21/2015	12:22	51.2	51.6	50.7	59.0	59.5	58.5	61.0	61.5	60.5	68.1	68.6	67.6
8/21/2015	12:24	49.9	50.1	49.4	59.6	60.0	59.2	62.0	62.5	61.4	68.0	68.4	67.5
8/21/2015	12:26	48.2	48.8	47.9	51.4	51.8	51.2	53.1	53.4	52.9	59.6	59.7	59.4
8/21/2015	12:28	45.4	45.6	44.7	51.9	52.2	51.6	53.2	53.5	52.9	60.7	61.0	60.4
8/21/2015	12:30	51.3	51.8	50.9	59.0	59.4	58.7	60.8	61.2	60.4	68.2	68.6	67.8
8/21/2015	12:32	52.1	52.5	51.6	58.4	58.9	57.9	59.8	60.3	59.4	66.8	67.3	66.3
8/21/2015	12:34	49.2	49.6	49.0	53.8	54.4	53.2	53.8	54.3	53.3	64.1	64.6	62.8
8/21/2015	12:36	46.5	47.0	45.9	52.1	52.8	51.6	51.7	52.3	51.2	63.1	64.3	62.7
8/21/2015	12:38	49.7	50.0	49.0	56.6	57.0	56.1	58.0	58.3	57.5	65.1	65.6	64.6
8/21/2015	12:40	53.7	54.3	53.1	66.9	67.6	66.1	65.4	65.9	64.9	67.9	68.4	67.3
8/21/2015	12:42	49.7	50.2	49.3	55.6	56.0	55.0	57.4	57.5	56.7	65.8	66.2	65.4
8/21/2015	12:44	50.4	51.1	49.9	55.8	56.4	55.4	56.6	57.3	56.4	62.2	62.9	61.4
8/21/2015	12:46	51.1	51.7	50.5	58.7	59.2	58.3	60.6	61.1	60.1	67.3	67.9	66.6
8/21/2015	12:48	52.7	53.2	52.2	51.0	51.6	50.0	53.0	54.2	51.9	59.9	61.0	58.7
8/21/2015	12:50	49.7	50.8	48.9	52.8	54.1	51.9	52.6	53.3	51.6	60.4	61.3	59.5
8/21/2015	12:52	49.3	49.6	47.9	53.2	53.7	52.5	54.0	54.6	53.4	60.8	61.5	60.1
8/21/2015	12:54	56.7	57.4	56.3	57.2	57.6	56.8	58.5	59.0	58.1	65.6	66.2	65.1
8/21/2015	12:56	47.1	47.4	46.9	52.3	53.1	51.6	53.9	54.8	52.8	60.4	61.3	59.7
8/21/2015	12:58	48.1	48.4	47.8	56.1	56.3	55.6	57.6	57.8	57.1	67.5	68.0	66.9
8/21/2015	13:00	51.0	51.4	50.6	58.7	59.2	58.2	60.4	61.0	59.9	65.1	65.7	64.7
8/21/2015	13:02	51.4	51.9	50.8	54.3	54.9	54.1	54.1	54.7	53.8	59.1	59.2	58.5
8/21/2015	13:04	52.4	52.9	52.0	57.6	58.1	57.2	59.9	60.3	59.4	65.3	65.8	64.9
8/21/2015	13:06	46.4	46.7	46.0	49.6	50.0	49.3	49.1	49.5	48.6	56.6	57.0	56.0
8/21/2015	13:08	46.3	46.7	45.9	49.3	49.7	48.8	49.4	49.8	49.1	58.1	58.5	57.8
8/21/2015	13:10	49.6	51.5	47.4	47.8	48.2	47.4	47.5	47.9	47.2	58.5	58.8	58.0
8/21/2015	13:12	46.1	46.5	45.6	50.6	50.9	50.1	51.2	51.4	50.6	62.2	62.1	61.2
8/21/2015	13:14	50.5	51.0	50.0	55.8	56.2	55.4	57.4	57.7	57.1	63.6	64.4	63.5
8/21/2015	13:16	50.5	51.0	49.9	58.3	58.7	57.8	60.0	60.4	59.5	67.1	67.5	66.5
8/21/2015	13:18	51.6	51.9	51.2	57.3	57.7	56.9	58.8	59.3	58.4	65.4	65.9	64.9
8/21/2015	13:20	51.6	51.9	51.3	51.4	51.7	50.9	51.4	51.7	50.9	61.8	62.1	61.1
8/21/2015	13:22	51.2	51.6	50.8	46.2	46.6	46.0	47.7	48.2	47.3	51.1	53.1	51.7
8/21/2015	13:24	48.6	48.9	48.2	46.4	46.9	46.0	46.6	47.3	45.8	48.0	48.5	47.5
8/21/2015	13:26	49.1	49.4	48.7	46.2	46.5	45.8	46.1	46.5	45.6	49.0	49.4	48.6
8/21/2015	13:28	49.6	50.8	48.5	50.2	50.6	49.8	51.2	51.6	50.6	56.5	57.0	56.0
8/21/2015	13:30	48.6	49.2	48.1	56.7	57.2	56.3	57.3	57.8	56.9	64.8	65.3	64.3
8/21/2015	13:32	48.7	50.2	47.1	48.3	48.7	48.0	48.3	48.6	48.0	57.0	57.4	56.7
8/21/2015	13:34	54.8	56.2	53.2	58.1	58.4	57.6	60.2	60.6	59.8	67.2	67.7	66.8
8/21/2015	13:36	53.3	54.2	52.3	58.0	58.5	57.5	59.2	59.7	58.7	66.2	66.8	65.6
8/21/2015	13:38	56.0	56.6	55.6	58.0	58.5	57.6	58.8	59.1	58.4	65.0	65.4	64.5
8/21/2015	13:40	52.3	53.1	51.5	56.8	57.3	56.3	57.8	58.4	57.4	64.9	65.3	64.5
8/21/2015	13:42	49.7	50.4	49.1	49.8	50.3	49.4	50.2	50.6	49.7	57.6	58.1	57.2
8/21/2015	13:44	43.1	43.7	42.5	49.6	49.9	49.2	49.8	50.1	49.4	58.1	58.4	57.8
8/21/2015	13:46	53.1	54.7	51.5	50.8	51.1	50.4	49.3	49.7	48.9	58.8	59.2	58.4
8/21/2015	13:48	54.0	55.8	52.3	49.9	50.3	49.5	51.0	51.4	50.6	57.5	57.9	57.1
8/21/2015	13:50	52.3	53.6	51.1	55.5	55.7	55.0	57.4	57.6	56.7	66.0	66.5	65.5

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/21/2015	13:52	52.9	53.6	52.2	54.1	54.6	53.9	54.6	55.4	54.4	59.9	60.1	59.4
8/21/2015	13:54	54.9	55.7	54.0	57.5	58.0	56.9	59.4	59.9	59.0	66.5	67.0	66.0
8/21/2015	13:56	52.8	54.2	51.4	48.7	49.0	48.2	48.8	49.2	48.4	55.8	56.2	55.2
8/21/2015	13:58	49.7	50.7	48.6	64.1	64.2	63.6	61.6	61.8	61.4	65.1	65.3	64.7
8/21/2015	14:00	53.6	54.3	52.8	69.3	69.9	68.3	62.3	62.7	61.7	65.7	66.1	65.2
8/21/2015	14:02	52.2	52.9	51.5	62.6	64.1	62.6	61.6	62.3	61.3	68.4	69.0	67.9
8/21/2015	14:04	50.4	51.2	49.7	55.8	56.3	55.2	57.5	58.0	57.0	63.8	64.2	63.4
8/21/2015	14:06	50.3	51.1	49.5	51.6	52.1	51.2	52.8	53.4	52.1	58.5	59.0	58.0
8/21/2015	14:08	54.1	54.8	53.5	58.4	58.8	57.9	58.4	58.9	58.0	64.1	64.6	63.6
8/21/2015	14:10	50.8	51.3	50.4	52.3	52.6	51.9	55.1	55.7	54.6	65.0	65.6	64.4
8/21/2015	14:12	52.6	53.3	51.7	59.4	59.8	58.9	61.4	61.9	60.9	69.7	70.3	69.1
8/21/2015	14:14	48.0	48.7	47.8	52.8	53.1	52.5	53.2	53.5	52.8	60.5	60.8	60.4
8/21/2015	14:16	52.0	52.4	51.6	58.3	58.6	57.9	59.6	59.9	59.2	66.9	67.3	66.5
8/21/2015	14:18	50.1	50.4	49.9	51.4	51.9	51.1	53.5	54.1	52.9	59.6	60.2	59.2
8/21/2015	14:20	53.1	53.4	52.8	57.9	58.3	57.5	59.9	60.3	59.5	67.7	68.2	67.2
8/21/2015	14:22	46.4	46.7	46.1	51.7	52.1	51.2	53.3	53.8	52.6	62.9	63.0	62.3
8/21/2015	14:24	52.9	53.2	52.5	58.3	58.6	57.7	60.2	60.5	59.6	66.1	66.7	65.7
8/21/2015	14:26	52.2	52.4	52.0	52.7	53.4	52.7	52.8	54.0	52.8	58.3	58.7	57.9
8/21/2015	14:28	53.1	53.5	52.6	58.1	58.5	57.7	60.2	60.5	59.8	67.1	67.6	66.6
8/21/2015	14:30	50.5	51.0	50.2	50.9	51.2	50.5	50.4	50.7	50.0	59.3	59.5	58.9
8/21/2015	14:32	50.9	51.3	50.5	56.6	57.0	56.1	58.4	58.8	57.9	65.1	65.7	64.6
8/21/2015	14:34	49.9	50.2	49.6	50.9	51.5	50.5	51.3	51.7	50.8	57.9	58.4	57.2
8/21/2015	14:36	51.6	51.9	51.2	57.3	57.4	56.5	59.7	60.0	59.0	66.5	67.0	65.9
8/21/2015	14:38	50.3	50.7	49.8	52.9	54.1	53.1	53.9	55.3	54.0	60.3	60.6	60.1
8/21/2015	14:40	49.0	49.5	48.5	56.8	57.2	56.3	57.9	58.4	57.4	64.8	65.2	64.3
8/21/2015	14:42	48.2	48.5	47.8	56.9	57.3	56.5	57.5	57.8	57.1	65.0	65.5	64.5
8/21/2015	14:44	53.7	54.0	53.3	57.9	58.3	57.5	59.5	60.0	59.1	67.1	67.5	66.6
8/21/2015	14:46	50.4	50.9	50.3	52.3	52.8	52.0	52.6	53.1	52.2	57.9	58.2	57.5
8/21/2015	14:48	48.5	48.7	48.2	55.1	55.4	54.4	56.5	56.7	55.8	65.1	65.5	64.7
8/21/2015	14:50	49.3	49.6	48.9	53.9	54.7	53.7	55.1	55.8	54.9	53.6	53.8	53.1
8/21/2015	14:52	48.7	49.4	48.1	50.0	50.5	49.6	50.9	51.4	50.4	58.9	59.4	58.6
8/21/2015	14:54	53.1	53.4	52.9	51.1	51.5	50.6	51.9	52.4	51.4	57.7	58.0	57.3
8/21/2015	14:56	47.5	47.9	47.2	56.9	57.3	56.2	59.1	59.5	58.5	66.6	67.1	66.1
8/21/2015	14:58	---	---	---	54.4	55.0	54.2	54.0	54.6	53.8	61.0	61.3	60.7
8/21/2015	15:00	---	---	---	57.2	57.5	56.9	59.0	59.3	58.6	66.1	66.4	65.8
8/21/2015	15:02	---	---	---	56.8	57.2	56.4	57.1	57.4	56.7	65.2	65.6	64.8
8/21/2015	15:04	---	---	---	58.6	59.0	58.1	60.0	60.3	59.7	67.6	67.9	67.2
8/21/2015	15:06	36.0	35.8	35.5	57.4	57.9	56.9	58.3	58.8	57.8	64.9	65.4	64.4
8/21/2015	15:08	53.8	55.9	51.2	47.9	48.4	47.6	47.1	47.5	46.8	50.2	50.5	50.0
8/21/2015	15:10	45.6	46.5	44.5	42.4	42.6	42.0	43.0	43.2	42.8	48.4	48.5	48.2
8/21/2015	15:12	45.2	46.3	43.7	42.8	43.1	42.5	44.1	44.4	43.7	48.7	48.8	48.5
8/21/2015	15:14	48.9	49.3	48.4	49.6	50.0	49.1	49.4	49.8	48.9	54.7	55.0	54.2
8/21/2015	15:16	50.4	50.6	50.1	53.9	54.1	53.5	52.6	52.9	52.1	58.9	59.3	58.6
8/21/2015	15:18	53.4	54.1	52.9	59.9	60.4	59.3	61.7	62.2	61.2	69.9	70.4	69.3
8/21/2015	15:20	53.0	54.1	51.9	52.1	52.5	51.7	52.8	53.2	52.3	61.3	61.8	60.9
8/21/2015	15:22	45.5	45.9	45.1	51.4	51.8	51.0	52.6	53.0	52.2	61.0	61.4	60.7
8/21/2015	15:24	43.0	43.4	42.7	50.2	50.6	49.7	51.3	51.6	50.8	61.6	61.8	61.3
8/21/2015	15:26	50.4	50.8	49.9	58.5	58.8	57.9	60.1	60.3	59.6	67.7	68.2	67.2
8/21/2015	15:28	49.0	49.4	48.6	54.3	54.9	54.1	55.1	55.9	55.0	60.5	60.9	60.3
8/21/2015	15:30	54.1	54.4	53.7	58.6	59.0	58.2	60.4	60.8	60.0	67.9	68.4	67.4
8/21/2015	15:32	54.2	54.5	54.0	57.4	57.7	57.0	58.0	58.5	57.6	65.2	65.6	64.8
8/21/2015	15:34	54.4	54.6	54.2	51.9	52.3	51.5	50.7	51.2	50.3	58.0	58.4	57.6
8/21/2015	15:36	50.3	50.5	50.0	50.6	51.0	50.2	49.8	50.2	49.4	57.0	57.4	56.6
8/21/2015	15:38	49.2	49.6	49.1	50.3	50.7	49.8	49.4	49.8	49.0	52.8	53.2	52.3
8/21/2015	15:40	46.4	46.8	46.1	50.1	50.4	49.8	51.5	52.0	51.0	57.4	57.7	57.0
8/21/2015	15:42	48.2	48.5	47.9	65.3	65.9	64.6	62.0	62.3	61.5	66.9	67.3	66.4
8/21/2015	15:44	50.8	51.3	50.3	57.4	57.9	57.1	58.6	59.1	58.3	65.8	66.1	65.2
8/21/2015	15:46	51.2	51.8	50.7	58.7	59.0	58.3	60.4	60.8	60.0	67.6	68.1	67.3
8/21/2015	15:48	49.9	50.4	49.4	56.5	57.1	55.9	58.3	59.0	57.7	65.2	65.8	64.5
8/21/2015	15:50	49.5	50.2	48.9	51.5	52.6	50.7	53.6	54.6	52.6	61.5	62.8	60.5
8/21/2015	15:52	50.0	50.7	49.3	50.0	50.4	49.5	49.0	49.5	48.6	53.6	53.8	53.3
8/21/2015	15:54	46.0	46.7	45.6	47.9	48.3	47.5	48.7	49.0	48.2	52.2	52.6	51.8
8/21/2015	15:56	51.2	51.5	50.8	50.7	51.2	50.3	49.9	50.6	49.3	52.9	53.7	52.0
8/21/2015	15:58	45.5	45.8	45.2	47.4	47.9	46.7	47.9	48.6	47.0	51.7	52.6	50.6
8/21/2015	16:00	53.3	53.5	53.0	48.7	48.9	48.3	49.2	49.9	48.7	50.9	51.7	50.2
8/21/2015	16:02	49.1	49.7	48.7	47.8	48.3	47.3	47.6	48.3	46.9	46.4	47.0	45.9
8/21/2015	16:04	44.4	44.8	44.0	42.2	42.4	42.0	42.6	42.9	42.4	41.2	41.4	40.9

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/21/2015	16:06	44.3	44.6	44.0	43.6	44.0	43.3	43.0	43.2	42.8	43.3	43.5	43.0
8/21/2015	16:08	43.9	44.2	43.6	45.6	46.1	44.9	45.6	46.0	44.8	45.7	46.1	45.0
8/21/2015	16:10	46.8	47.2	46.4	45.7	46.3	45.2	45.2	45.8	44.8	44.9	45.4	44.6
8/21/2015	16:12	44.5	44.7	44.0	44.2	44.5	43.9	44.5	44.9	44.0	43.5	43.9	43.1
8/21/2015	16:14	52.5	52.7	52.2	47.9	48.3	47.6	47.1	47.7	46.3	44.2	44.8	43.6
8/21/2015	16:16	51.9	52.1	51.5	46.2	46.5	46.0	48.1	49.0	47.4	41.8	42.2	41.5
8/21/2015	16:18	51.0	51.3	50.9	47.7	48.1	47.2	45.9	46.7	45.1	40.7	41.0	40.4
8/21/2015	16:20	47.3	47.7	46.9	46.3	46.7	46.0	43.8	44.4	43.4	40.3	40.7	40.0
8/21/2015	16:22	44.3	44.6	44.0	43.0	43.3	42.6	44.0	44.4	43.6	43.3	43.7	42.8
8/21/2015	16:24	43.5	44.0	43.2	42.6	42.9	42.2	45.0	45.6	44.4	42.6	43.2	41.8
8/21/2015	16:26	43.0	43.3	42.7	43.4	43.7	43.0	43.0	43.6	42.5	40.0	40.4	39.7
8/21/2015	16:28	42.8	43.1	42.5	42.5	42.8	42.2	44.1	44.8	43.3	42.0	42.4	41.7
8/21/2015	16:30	42.2	42.5	41.9	40.7	41.1	40.4	44.1	45.4	42.6	40.9	41.2	40.5
8/22/2015	7:00	36.8	37.4	36.3	33.0	33.8	32.2	32.3	32.8	31.9	36.1	36.5	35.8
8/22/2015	7:02	38.9	39.9	37.9	36.8	38.1	35.3	35.4	35.9	35.0	37.9	38.4	37.5
8/22/2015	7:04	38.5	39.5	37.5	33.9	34.3	33.3	34.4	34.8	33.8	37.1	37.3	36.7
8/22/2015	7:06	37.1	37.6	36.6	33.2	33.7	32.9	33.7	34.3	33.3	36.7	37.0	36.5
8/22/2015	7:08	37.6	38.2	36.6	34.6	35.1	34.0	34.9	35.4	34.3	37.0	37.3	36.6
8/22/2015	7:10	45.8	47.6	43.7	36.0	36.4	35.6	36.2	36.7	35.6	37.9	38.1	37.6
8/22/2015	7:12	42.6	44.2	41.0	37.8	38.6	36.9	37.0	37.5	36.6	38.3	38.6	37.9
8/22/2015	7:14	47.3	48.9	45.7	36.7	37.2	35.8	35.9	36.3	35.5	38.0	38.5	37.6
8/22/2015	7:16	41.7	43.2	40.1	36.2	37.4	35.3	34.6	35.1	34.2	37.7	38.3	37.0
8/22/2015	7:18	44.2	45.9	42.0	37.1	37.6	36.6	38.3	38.6	38.0	40.8	41.1	40.5
8/22/2015	7:20	42.7	43.8	41.5	38.9	39.4	38.5	40.3	40.4	40.1	42.7	43.0	42.5
8/22/2015	7:22	43.8	45.6	41.8	39.4	40.0	38.7	39.7	39.8	39.5	43.1	43.9	42.4
8/22/2015	7:24	43.4	44.4	42.4	40.4	40.8	40.1	44.2	45.7	42.7	44.7	45.4	44.1
8/22/2015	7:26	42.9	43.9	41.8	40.0	40.3	39.7	44.2	44.7	43.8	45.0	45.1	44.7
8/22/2015	7:28	42.0	42.3	41.7	42.3	42.6	42.0	46.1	46.3	45.8	50.2	50.6	49.8
8/22/2015	7:30	42.7	43.3	42.0	43.4	43.7	43.1	45.6	45.8	45.2	48.8	49.1	48.5
8/22/2015	7:32	47.1	47.4	46.6	50.3	50.8	49.8	51.4	51.9	51.0	55.8	56.3	55.2
8/22/2015	7:34	46.5	47.0	46.1	50.5	51.0	50.0	52.1	52.7	51.5	57.5	58.0	57.0
8/22/2015	7:36	49.4	49.7	49.1	52.0	52.3	51.7	52.9	53.2	52.6	57.9	58.2	57.7
8/22/2015	7:38	42.1	42.6	41.4	47.1	47.4	46.6	48.3	48.4	47.9	57.4	57.6	56.5
8/22/2015	7:40	46.8	47.4	46.2	55.2	55.9	54.5	57.0	57.6	56.4	68.2	69.0	67.5
8/22/2015	7:42	46.1	46.9	45.2	48.9	49.4	48.3	49.8	50.3	49.1	59.8	60.4	59.1
8/22/2015	7:44	44.6	45.2	44.0	52.9	53.5	52.4	54.7	55.2	54.2	63.4	63.9	62.8
8/22/2015	7:46	43.8	44.3	43.5	51.3	51.8	50.8	53.4	53.8	53.0	61.4	62.0	60.9
8/22/2015	7:48	47.2	48.7	46.0	52.3	52.6	51.9	53.0	53.4	52.6	61.6	62.0	61.2
8/22/2015	7:50	49.9	50.3	49.4	58.7	59.1	58.4	60.4	60.7	60.1	66.4	66.7	66.0
8/22/2015	7:52	45.5	45.8	45.2	52.1	52.4	51.9	53.7	54.0	53.5	61.4	61.6	61.2
8/22/2015	7:54	50.2	50.3	49.9	62.1	62.3	61.8	63.7	63.8	63.4	71.1	71.4	70.8
8/22/2015	7:56	53.6	54.0	53.3	58.2	58.7	58.0	60.0	60.5	59.8	62.3	62.8	61.8
8/22/2015	7:58	46.0	46.4	45.7	54.2	54.6	53.7	55.3	55.6	54.9	64.1	64.5	63.7
8/22/2015	8:00	45.8	46.2	45.5	53.0	53.5	52.7	53.8	54.2	53.5	63.5	63.8	63.1
8/22/2015	8:02	45.6	46.1	45.3	53.0	53.3	52.7	54.8	55.0	54.4	64.9	65.1	64.4
8/22/2015	8:04	49.9	50.4	49.4	57.2	57.6	56.8	58.9	59.3	58.6	65.4	65.9	65.1
8/22/2015	8:06	52.2	53.1	51.5	58.3	58.8	57.9	59.8	60.3	59.4	66.6	67.1	66.2
8/22/2015	8:08	52.0	52.6	51.4	58.9	59.3	58.5	61.1	61.5	60.8	68.5	68.9	68.0
8/22/2015	8:10	46.5	46.9	46.1	53.4	53.9	52.7	57.5	57.9	55.3	64.8	65.2	64.1
8/22/2015	8:12	49.2	49.6	48.8	56.5	56.9	56.0	61.1	62.9	59.8	65.7	66.1	65.5
8/22/2015	8:14	47.7	48.0	47.2	55.4	55.8	55.0	57.1	57.5	56.7	67.4	68.1	66.9
8/22/2015	8:16	45.8	46.2	45.7	61.7	62.1	61.3	58.8	58.9	58.4	61.5	61.8	61.1
8/22/2015	8:18	45.3	45.6	45.0	55.2	55.5	54.9	58.3	58.8	58.2	65.2	65.5	64.8
8/22/2015	8:20	49.4	49.8	49.0	58.0	58.3	57.6	59.8	60.1	59.4	67.2	67.6	66.8
8/22/2015	8:22	46.9	47.2	46.5	57.7	58.2	57.2	59.7	60.2	59.2	69.9	70.4	69.4
8/22/2015	8:24	50.9	51.4	50.5	57.6	57.9	57.1	59.5	59.8	58.9	70.9	71.6	70.4
8/22/2015	8:26	50.8	51.3	50.3	57.7	58.2	57.3	60.4	61.0	60.0	70.2	70.8	69.6
8/22/2015	8:28	50.2	50.6	49.7	59.8	60.2	59.5	62.4	62.7	62.2	69.4	69.9	69.0
8/22/2015	8:30	49.6	49.9	49.2	58.4	58.7	57.9	60.6	60.9	60.2	70.6	71.1	70.1
8/22/2015	8:32	49.3	49.7	48.9	58.7	59.1	58.4	60.1	60.5	59.9	68.0	68.4	67.6
8/22/2015	8:34	48.9	49.5	48.4	59.8	60.3	59.2	60.5	61.1	60.0	68.8	69.2	68.3
8/22/2015	8:36	47.4	47.9	46.9	57.9	58.1	57.3	60.2	60.4	59.6	70.1	70.6	69.5
8/22/2015	8:38	49.1	49.4	48.7	57.4	57.9	57.3	59.2	59.7	59.1	68.3	68.8	68.2
8/22/2015	8:40	52.4	52.8	51.9	58.7	59.0	58.2	60.2	60.5	59.8	68.0	68.4	67.6
8/22/2015	8:42	53.3	53.8	52.9	56.7	57.1	56.4	57.9	58.2	57.5	68.0	68.4	67.5
8/22/2015	8:44	50.5	51.1	50.0	57.1	57.8	56.7	58.8	59.4	58.4	63.7	64.0	63.4
8/22/2015	8:46	50.3	50.8	49.8	58.8	59.2	58.4	60.6	60.9	60.3	68.4	68.8	68.1

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/22/2015	8:48	49.3	49.8	48.8	57.6	58.0	57.2	59.4	59.8	59.1	66.4	66.8	66.0
8/22/2015	8:50	46.7	47.1	46.4	51.4	51.7	51.0	52.6	53.1	52.2	62.8	63.1	62.4
8/22/2015	8:52	46.6	47.4	45.7	52.5	52.9	52.1	53.7	54.2	53.3	63.4	63.9	63.0
8/22/2015	8:54	50.7	50.7	50.0	54.1	54.3	53.7	55.7	55.9	55.3	66.2	66.3	65.7
8/22/2015	8:56	52.3	53.6	51.8	57.8	58.2	57.5	59.1	59.5	58.8	66.0	66.6	65.8
8/22/2015	8:58	50.7	51.1	50.4	57.7	58.0	57.3	59.3	59.6	58.9	67.6	68.0	67.3
8/22/2015	9:00	50.5	51.0	50.1	58.7	59.1	58.2	60.3	60.7	59.9	67.9	68.3	67.5
8/22/2015	9:02	51.2	51.6	50.8	59.0	59.4	58.7	61.2	61.6	60.9	68.4	68.8	68.1
8/22/2015	9:04	47.7	48.0	47.1	56.7	57.0	56.2	58.1	58.5	57.6	66.4	66.8	65.9
8/22/2015	9:06	48.3	48.7	48.1	53.2	53.7	52.9	54.5	55.0	54.1	64.9	65.3	64.5
8/22/2015	9:08	45.3	45.7	44.9	51.6	51.9	51.2	52.6	53.0	52.1	62.5	62.9	62.1
8/22/2015	9:10	46.2	46.6	45.8	53.3	53.6	52.9	54.1	54.5	53.7	64.3	64.7	63.8
8/22/2015	9:12	47.7	48.0	47.2	57.2	57.3	56.7	58.7	58.8	58.3	67.8	68.1	67.6
8/22/2015	9:14	49.8	50.4	49.3	55.4	56.1	55.3	56.6	57.3	56.4	61.5	61.8	61.3
8/22/2015	9:16	50.4	50.9	49.8	57.7	58.2	57.3	59.6	60.0	59.2	67.7	68.1	67.3
8/22/2015	9:18	50.1	50.8	49.4	58.8	59.2	58.3	60.2	60.6	59.7	68.4	68.9	67.8
8/22/2015	9:20	49.9	50.4	49.0	58.7	59.1	58.4	60.9	61.2	60.5	68.7	69.1	68.3
8/22/2015	9:22	49.2	49.9	48.9	56.4	56.6	55.9	58.8	59.0	58.2	66.4	66.8	66.0
8/22/2015	9:24	47.6	48.2	47.1	51.8	52.9	51.7	52.4	53.7	52.7	53.7	53.9	53.6
8/22/2015	9:26	45.1	45.5	44.7	52.8	53.2	52.1	52.3	52.6	51.8	60.7	60.8	60.2
8/22/2015	9:28	46.2	46.5	45.9	52.5	52.8	52.1	53.8	54.3	53.6	63.8	64.1	63.5
8/22/2015	9:30	50.9	51.4	50.5	58.7	59.1	58.3	59.9	60.3	59.5	67.8	68.1	67.4
8/22/2015	9:32	52.2	52.9	51.3	57.8	58.2	57.3	58.6	58.9	58.2	66.8	67.2	66.4
8/22/2015	9:34	49.2	49.8	48.9	54.9	55.2	54.4	56.5	56.9	56.2	67.1	67.4	66.8
8/22/2015	9:36	51.2	52.1	50.3	58.6	59.0	58.2	60.3	60.7	59.8	68.5	69.0	67.9
8/22/2015	9:38	50.7	51.3	49.9	54.8	55.1	54.4	56.0	56.3	55.6	63.8	64.2	63.3
8/22/2015	9:40	46.0	46.6	45.5	54.2	54.5	53.9	56.0	56.3	55.6	64.6	64.9	64.3
8/22/2015	9:42	47.2	47.9	46.6	55.8	56.3	55.4	57.9	58.3	57.4	68.9	69.5	68.4
8/22/2015	9:44	48.7	48.9	48.4	58.1	58.3	57.6	60.6	60.9	60.2	70.6	71.1	70.1
8/22/2015	9:46	49.9	50.3	49.4	57.3	57.7	57.0	59.2	59.7	58.9	69.8	70.4	69.2
8/22/2015	9:48	50.0	50.6	49.6	57.8	58.2	57.5	59.4	59.9	58.9	67.4	67.9	67.0
8/22/2015	9:50	54.2	56.3	52.6	59.0	59.3	58.7	61.2	61.6	60.9	69.4	69.7	69.1
8/22/2015	9:52	55.9	56.7	55.4	60.0	60.4	59.7	60.9	61.3	60.5	69.1	69.6	68.7
8/22/2015	9:54	48.8	49.3	48.2	63.5	63.8	63.2	62.2	62.4	61.9	67.4	67.8	67.1
8/22/2015	9:56	43.9	44.7	43.4	52.7	53.1	52.4	55.7	56.3	55.6	65.9	66.4	65.0
8/22/2015	9:58	45.5	46.3	44.6	51.8	52.5	51.1	53.2	54.0	52.5	67.3	68.1	66.7
8/22/2015	10:00	48.5	49.0	47.9	49.5	50.1	49.0	49.4	49.9	48.9	55.0	55.7	54.5
8/22/2015	10:02	46.7	47.2	46.2	51.4	51.7	50.5	54.1	54.4	53.0	64.2	64.4	63.9
8/22/2015	10:04	46.1	46.5	45.8	52.2	52.9	52.0	53.8	54.3	53.7	64.8	65.4	64.3
8/22/2015	10:06	46.8	47.2	46.4	56.1	56.4	55.9	58.8	59.0	58.6	64.1	64.4	63.8
8/22/2015	10:08	44.7	45.2	44.3	54.4	54.8	54.1	56.7	57.1	56.4	65.8	66.2	65.5
8/22/2015	10:10	49.6	50.0	49.0	59.0	59.4	58.6	61.1	61.4	60.7	69.1	69.4	68.7
8/22/2015	10:12	46.7	47.0	46.4	55.5	55.7	55.2	57.3	57.5	57.1	66.1	66.3	65.8
8/22/2015	10:14	49.5	50.0	49.0	58.4	58.8	57.9	60.2	60.6	59.7	68.7	69.3	68.0
8/22/2015	10:16	49.3	49.8	48.9	59.9	60.3	59.5	61.7	62.2	61.3	71.4	71.9	70.9
8/22/2015	10:18	47.9	48.4	47.3	58.6	59.1	58.1	60.9	61.3	60.5	70.4	71.0	69.8
8/22/2015	10:20	47.1	47.6	46.8	57.9	58.5	57.3	60.0	60.5	59.4	67.9	68.4	67.4
8/22/2015	10:22	49.2	49.8	48.5	51.2	52.0	50.9	51.9	52.5	51.6	56.6	56.7	56.2
8/22/2015	10:24	49.0	49.7	48.4	53.1	53.4	52.8	54.7	55.0	54.3	61.6	61.9	61.3
8/22/2015	10:26	48.3	49.0	47.7	53.4	53.9	52.9	55.8	56.2	55.3	64.3	64.7	63.8
8/22/2015	10:28	48.3	48.8	47.8	55.4	55.7	55.0	57.3	57.5	56.7	68.8	68.9	68.4
8/22/2015	10:30	51.5	51.9	51.0	58.7	59.1	58.4	60.6	61.0	60.4	67.3	67.7	66.9
8/22/2015	10:32	48.9	49.4	48.5	57.7	58.1	57.4	59.0	59.5	58.7	67.5	68.0	67.3
8/22/2015	10:34	47.3	47.7	46.8	57.2	57.5	56.8	59.4	59.8	59.0	67.9	68.3	67.6
8/22/2015	10:36	50.9	51.4	50.4	58.9	59.3	58.5	60.8	61.2	60.3	69.1	69.6	68.7
8/22/2015	10:38	47.3	47.5	46.7	57.2	57.5	56.7	59.3	59.7	58.8	67.2	67.5	66.9
8/22/2015	10:40	46.7	47.7	46.1	53.6	54.0	53.2	56.0	56.5	55.6	64.8	65.2	64.4
8/22/2015	10:42	56.0	56.7	55.2	56.4	56.9	55.5	57.9	58.5	57.3	64.8	65.1	64.3
8/22/2015	10:44	50.9	51.6	50.2	55.1	55.8	54.7	56.4	56.9	55.9	65.3	65.7	64.9
8/22/2015	10:46	52.7	53.5	51.8	59.2	59.6	58.8	61.1	61.5	60.6	69.2	69.5	68.8
8/22/2015	10:48	50.0	50.5	49.5	59.0	59.4	58.6	61.0	61.4	60.5	69.0	69.5	68.6
8/22/2015	10:50	46.8	47.4	46.5	56.2	56.6	55.9	57.9	58.1	57.5	68.4	68.7	68.1
8/22/2015	10:52	49.6	50.1	49.1	57.6	58.0	57.1	59.6	60.1	59.2	67.6	68.1	67.4
8/22/2015	10:54	51.5	52.1	50.9	59.7	60.1	59.3	61.8	62.1	61.4	70.8	71.2	70.4
8/22/2015	10:56	47.7	47.9	47.4	57.0	57.3	56.6	59.0	59.2	58.5	68.5	68.8	68.2
8/22/2015	10:58	54.9	55.5	54.3	56.3	56.8	55.9	57.2	57.8	56.9	64.6	65.0	64.3
8/22/2015	11:00	44.0	44.4	43.5	53.9	54.4	53.5	55.7	56.0	55.3	66.3	66.6	66.0

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/22/2015	11:02	49.7	50.3	49.1	58.2	58.6	57.8	60.8	61.2	60.5	68.7	69.1	68.3
8/22/2015	11:04	44.8	45.1	44.4	54.4	54.8	53.9	55.8	56.1	55.5	66.4	66.7	66.0
8/22/2015	11:06	48.3	48.8	47.8	58.5	59.0	58.0	60.4	60.8	59.9	68.2	68.6	67.8
8/22/2015	11:08	49.1	49.5	48.6	58.4	58.8	58.0	60.1	60.5	59.8	69.3	69.7	68.8
8/22/2015	11:10	42.6	42.8	42.3	53.9	54.4	53.4	56.0	56.4	55.5	67.1	67.6	66.7
8/22/2015	11:12	49.6	50.0	49.0	59.2	59.6	58.8	61.1	61.5	60.6	69.9	70.3	69.3
8/22/2015	11:14	51.9	52.1	51.6	54.1	54.6	53.8	57.3	57.9	56.8	68.8	69.2	68.4
8/22/2015	11:16	50.4	50.7	50.2	55.7	56.1	55.3	58.0	58.3	57.5	68.3	68.6	67.9
8/22/2015	11:18	50.4	50.9	49.8	58.6	59.1	58.2	60.6	61.0	60.2	68.4	68.8	68.2
8/22/2015	11:20	49.4	49.5	48.8	59.2	59.5	58.7	61.1	61.5	60.7	69.8	70.2	69.3
8/22/2015	11:22	49.3	50.1	49.1	55.8	56.2	55.5	57.7	58.1	57.4	68.5	68.8	68.2
8/22/2015	11:24	47.7	48.3	47.2	54.7	55.0	54.3	57.3	57.5	56.8	69.3	69.6	69.0
8/22/2015	11:26	49.3	49.6	48.9	58.0	58.5	57.6	59.9	60.4	59.6	69.4	69.8	69.2
8/22/2015	11:28	48.6	49.1	48.0	59.0	59.4	58.6	60.8	61.1	60.4	70.0	70.4	69.6
8/22/2015	11:30	51.6	52.0	50.8	55.6	56.1	55.1	57.4	58.0	56.9	67.8	68.5	66.7
8/22/2015	11:32	54.8	55.3	54.3	56.9	57.6	56.3	58.7	59.4	58.0	68.9	69.6	68.0
8/22/2015	11:34	45.1	45.5	44.8	53.1	53.7	52.5	54.5	55.3	54.0	68.1	69.0	67.3
8/22/2015	11:36	46.6	47.1	46.2	51.2	51.7	50.6	53.7	54.7	53.0	63.7	64.4	62.9
8/22/2015	11:38	45.1	45.5	44.6	51.8	52.3	51.1	55.8	56.9	54.9	64.4	65.2	63.6
8/22/2015	11:40	46.3	46.6	46.0	50.7	51.1	50.2	51.4	51.9	50.9	59.1	59.7	58.5
8/22/2015	11:42	46.4	46.7	46.1	49.0	49.3	48.7	50.5	50.9	50.0	56.6	57.2	56.1
8/22/2015	11:44	44.3	44.7	44.1	46.9	47.2	46.5	48.1	48.6	47.7	53.8	54.3	53.4
8/22/2015	11:46	44.6	45.0	44.3	48.0	48.3	47.8	48.4	48.7	48.1	58.0	58.4	57.6
8/22/2015	11:48	46.0	46.2	45.5	47.7	47.9	47.5	48.5	48.8	48.2	54.8	55.0	54.6
8/22/2015	11:50	44.8	45.2	44.6	48.9	49.4	48.4	51.7	52.1	51.0	64.7	65.0	64.3
8/22/2015	11:52	47.6	48.0	47.2	54.1	54.5	53.8	56.2	56.7	55.9	66.2	66.9	65.6
8/22/2015	11:54	50.4	50.9	50.0	57.8	58.4	57.2	58.3	58.8	57.8	64.9	65.3	64.5
8/22/2015	11:56	46.5	46.8	46.1	52.3	52.6	52.0	53.0	53.4	52.6	61.2	61.5	60.9
8/22/2015	11:58	50.6	51.0	50.2	57.6	58.0	57.2	60.0	60.4	59.6	67.4	67.7	66.9
8/22/2015	12:00	47.3	47.7	46.8	57.1	57.5	56.6	58.4	58.9	57.8	66.6	67.0	66.1
8/22/2015	12:02	46.6	47.0	46.3	53.8	54.2	53.5	55.5	55.8	55.0	65.6	65.8	65.2
8/22/2015	12:04	48.6	48.9	48.2	56.5	56.9	56.1	57.6	58.0	57.2	61.1	61.8	61.0
8/22/2015	12:06	49.2	49.6	48.3	57.5	58.0	57.0	58.4	58.9	57.9	---	---	---
8/22/2015	12:08	49.9	50.8	49.4	51.1	51.6	50.7	51.9	52.6	51.4	---	---	---
8/22/2015	12:10	43.4	43.7	43.0	52.4	52.8	51.9	54.5	54.6	53.5	---	---	---
8/22/2015	12:12	50.8	51.4	50.3	56.9	57.5	56.4	57.6	58.2	57.3	---	---	---
8/22/2015	12:14	46.1	46.5	45.7	49.7	50.2	49.3	51.2	51.5	50.7	---	---	---
8/22/2015	12:16	49.7	49.9	49.4	53.0	53.3	52.5	54.0	54.4	53.5	62.3	62.8	61.6
8/22/2015	12:18	49.9	50.3	49.6	57.0	57.4	56.6	59.4	59.8	58.9	67.0	67.3	66.5
8/22/2015	12:20	50.7	51.2	50.2	57.5	58.0	57.2	59.1	59.6	58.6	66.4	66.9	66.1
8/22/2015	12:22	50.9	51.1	50.5	58.0	58.4	57.7	59.5	59.9	59.1	68.1	68.5	67.6
8/22/2015	12:24	48.5	49.1	48.1	50.4	50.7	50.1	50.9	51.2	50.5	61.1	61.3	60.8
8/22/2015	12:26	51.3	51.8	50.7	57.4	57.9	57.0	59.0	59.4	58.6	67.0	67.5	66.6
8/22/2015	12:28	48.1	48.8	47.4	49.6	49.9	49.2	51.6	52.0	51.0	60.9	61.1	60.3
8/22/2015	12:30	47.7	48.3	47.1	53.0	53.4	52.5	55.2	55.5	54.5	66.5	66.6	65.8
8/22/2015	12:32	52.3	52.7	51.7	57.4	57.9	57.0	59.2	59.7	58.8	64.6	65.4	64.5
8/22/2015	12:34	52.9	53.3	52.7	57.4	57.9	57.0	58.9	59.3	58.4	64.9	65.4	64.5
8/22/2015	12:36	53.4	53.7	53.1	54.4	54.9	53.9	52.5	53.0	52.1	60.0	60.3	59.6
8/22/2015	12:38	47.6	47.9	47.4	53.5	54.0	53.0	63.6	65.6	61.3	68.9	69.5	68.1
8/22/2015	12:40	52.4	52.8	51.9	58.2	58.7	57.7	60.0	60.4	59.5	69.0	69.4	68.5
8/22/2015	12:42	53.6	54.2	53.2	59.7	60.2	59.1	61.3	61.7	60.9	71.0	71.5	70.4
8/22/2015	12:44	55.2	55.4	55.0	55.8	56.5	55.1	58.9	59.5	58.0	70.8	71.4	70.0
8/22/2015	12:46	50.0	50.4	49.6	58.6	59.2	58.0	60.9	61.4	60.3	69.7	70.4	69.0
8/22/2015	12:48	51.7	52.3	51.1	59.5	60.1	59.0	62.3	62.8	61.8	71.2	71.8	70.6
8/22/2015	12:50	49.7	50.0	49.3	58.0	58.5	57.6	60.8	61.4	60.2	71.2	71.9	70.5
8/22/2015	12:52	52.5	52.8	52.3	54.8	55.4	54.2	56.6	57.1	55.9	67.5	68.1	66.9
8/22/2015	12:54	49.1	49.4	48.6	53.3	53.8	52.8	56.7	57.4	55.9	67.4	68.1	66.8
8/22/2015	12:56	50.5	51.0	50.1	58.5	59.0	58.0	60.2	60.7	59.7	70.3	70.9	69.7
8/22/2015	12:58	46.4	46.8	46.1	54.4	55.2	53.7	57.4	58.2	56.6	68.2	69.0	67.5
8/22/2015	13:00	49.4	49.7	49.1	58.7	59.1	58.2	61.4	61.8	60.9	71.3	71.8	70.6
8/22/2015	13:02	48.4	48.7	48.2	56.9	57.1	56.4	60.4	60.8	59.9	69.6	70.0	69.2
8/22/2015	13:04	52.1	52.5	51.6	55.6	56.1	55.3	57.5	58.0	57.4	65.3	65.5	64.9
8/22/2015	13:06	54.5	54.9	54.1	59.1	59.6	58.6	61.9	62.4	61.2	70.0	70.6	69.5
8/22/2015	13:08	49.8	50.3	49.5	56.9	57.4	56.4	58.5	59.0	58.0	67.1	67.7	66.4
8/22/2015	13:10	46.3	46.6	46.0	52.4	53.1	51.7	54.6	55.2	54.0	66.0	66.8	65.3
8/22/2015	13:12	48.0	48.4	47.5	62.5	63.3	61.9	59.2	59.8	58.7	59.6	60.1	59.2
8/22/2015	13:14	47.5	47.8	47.2	50.7	51.1	50.4	52.1	52.4	51.8	63.0	63.3	62.4

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/22/2015	13:16	52.7	53.8	51.4	54.4	54.7	54.1	57.0	57.3	56.7	66.4	66.8	66.1
8/22/2015	13:18	51.3	52.1	50.6	58.4	58.8	58.1	60.3	60.7	60.0	67.3	67.7	66.8
8/22/2015	13:20	53.3	53.9	52.6	58.7	59.1	58.3	60.8	61.3	60.4	68.0	68.4	67.7
8/22/2015	13:22	53.4	54.4	52.2	51.7	52.1	51.3	53.1	53.5	52.6	62.1	62.5	61.6
8/22/2015	13:24	54.4	54.9	53.3	58.3	58.7	57.8	61.0	61.5	60.4	69.0	69.5	68.5
8/22/2015	13:26	54.7	56.0	53.6	55.9	56.1	55.3	57.5	57.6	57.0	67.4	67.8	67.0
8/22/2015	13:28	54.9	55.7	54.1	57.2	57.7	57.0	58.0	58.6	57.8	65.1	65.4	64.8
8/22/2015	13:30	57.9	58.3	57.4	59.5	59.9	59.0	60.6	61.1	60.1	66.4	66.8	65.9
8/22/2015	13:32	52.5	52.7	52.2	57.3	57.6	56.7	58.6	58.9	58.1	66.8	67.2	66.4
8/22/2015	13:34	48.8	49.5	48.8	49.2	50.5	49.5	50.4	51.8	50.0	53.4	53.6	53.3
8/22/2015	13:36	51.3	51.9	50.6	52.4	53.0	51.9	52.8	53.3	52.2	58.6	59.1	58.2
8/22/2015	13:38	49.3	49.7	48.8	50.8	51.1	50.4	52.3	52.6	51.9	58.4	58.6	58.1
8/22/2015	13:40	49.7	50.0	49.3	53.3	53.7	52.8	54.1	54.5	53.7	64.2	64.6	63.8
8/22/2015	13:42	56.6	57.0	56.1	60.2	60.7	59.8	61.5	61.9	61.2	68.5	68.9	68.1
8/22/2015	13:44	54.9	55.5	54.3	59.2	59.6	58.6	60.2	60.7	59.7	68.2	68.8	67.6
8/22/2015	13:46	56.4	57.0	55.7	58.5	58.9	58.0	60.3	60.7	59.9	65.8	66.2	65.4
8/22/2015	13:48	48.2	48.8	47.8	51.8	52.2	51.5	45.5	46.7	45.5	64.1	64.4	63.7
8/22/2015	13:50	50.6	51.0	50.1	57.6	58.1	57.2	---	---	---	66.7	67.1	66.2
8/22/2015	13:52	44.8	45.3	44.4	45.5	45.9	45.1	---	---	---	57.1	57.6	56.6
8/22/2015	13:54	46.6	47.2	45.9	48.9	49.3	48.4	---	---	---	56.1	56.3	55.9
8/22/2015	13:56	45.3	46.1	44.7	51.7	52.1	51.3	---	---	---	64.0	64.3	63.7
8/22/2015	13:58	51.9	52.3	51.5	58.1	58.4	57.7	---	---	---	67.3	67.7	66.8
8/22/2015	14:00	48.2	48.8	47.6	51.9	52.3	51.5	---	---	---	64.7	65.0	64.4
8/22/2015	14:02	51.5	52.0	51.1	58.6	59.0	58.2	---	---	---	69.1	69.5	68.6
8/22/2015	14:04	49.6	50.0	49.2	58.4	58.9	57.9	57.5	58.9	56.5	68.3	68.7	67.9
8/22/2015	14:06	50.1	50.5	49.7	58.6	59.0	58.2	60.4	61.0	59.8	68.5	68.9	68.2
8/22/2015	14:08	47.1	47.5	46.6	55.2	55.4	54.5	57.7	57.9	56.9	67.9	68.4	67.5
8/22/2015	14:10	53.0	53.4	52.5	58.7	59.6	57.9	57.9	58.6	57.7	64.1	64.4	63.8
8/22/2015	14:12	48.4	48.9	48.0	---	---	---	53.5	54.0	53.1	65.0	65.4	64.7
8/22/2015	14:14	45.0	46.2	43.5	---	---	---	51.4	51.6	51.0	63.7	63.9	63.3
8/22/2015	14:16	49.0	49.6	48.4	---	---	---	59.1	59.5	58.7	66.5	67.0	66.2
8/22/2015	14:18	47.5	47.8	47.1	---	---	---	54.2	54.7	53.8	65.2	65.6	64.8
8/22/2015	14:20	50.6	51.1	50.2	---	---	---	58.2	58.5	57.8	66.3	66.7	65.9
8/22/2015	14:22	48.6	49.0	48.2	---	---	---	58.7	59.0	58.4	66.1	66.4	65.8
8/22/2015	14:24	47.0	47.7	46.1	---	---	---	55.8	56.4	54.8	69.0	70.0	68.0
8/22/2015	14:26	47.1	47.7	46.4	---	---	---	54.9	55.6	54.3	69.6	70.5	68.8
8/22/2015	14:28	45.1	45.7	44.6	---	---	---	47.0	47.4	46.7	63.0	63.5	62.2
8/22/2015	14:30	41.0	41.4	40.6	---	---	---	45.3	45.7	45.0	60.9	61.7	60.8
8/22/2015	14:32	45.4	45.8	44.9	---	---	---	54.2	55.3	53.0	60.1	60.6	59.6
8/22/2015	14:34	43.7	44.0	43.4	---	---	---	56.1	58.0	53.4	54.3	54.9	54.0
8/22/2015	14:36	47.6	47.8	47.3	---	---	---	48.4	48.7	48.0	51.7	52.1	51.4
8/22/2015	14:38	48.9	49.2	48.7	---	---	---	52.8	53.5	52.0	56.5	57.2	56.0
8/22/2015	14:40	46.5	46.7	45.8	---	---	---	48.1	48.4	47.8	53.6	54.0	53.2
8/22/2015	14:42	52.7	53.0	52.4	---	---	---	52.3	52.6	51.7	64.4	64.8	63.9
8/22/2015	14:44	50.1	50.4	49.8	---	---	---	54.0	54.6	53.6	64.3	65.3	63.2
8/22/2015	14:46	47.8	48.1	47.7	---	---	---	53.5	53.8	53.0	61.4	61.6	60.9
8/22/2015	14:48	51.9	52.4	51.5	---	---	---	59.7	60.2	59.2	67.2	67.7	66.6
8/22/2015	14:50	49.4	49.6	48.9	---	---	---	59.2	59.6	58.7	66.6	67.1	66.2
8/22/2015	14:52	50.0	50.6	49.5	---	---	---	53.7	54.1	53.1	63.5	63.7	62.8
8/22/2015	14:54	52.3	52.8	51.9	---	---	---	60.3	60.7	60.0	67.6	68.2	67.2
8/22/2015	14:56	51.7	52.1	51.4	---	---	---	54.9	55.3	54.4	64.0	64.2	63.4
8/22/2015	14:58	51.9	52.2	51.5	---	---	---	59.0	59.4	58.6	64.5	65.1	64.2
8/22/2015	15:00	51.8	52.1	51.4	---	---	---	59.0	59.4	58.6	66.7	67.0	66.4
8/22/2015	15:02	53.6	54.0	53.1	---	---	---	60.8	61.2	60.4	68.4	68.8	67.9
8/22/2015	15:04	49.3	49.9	48.9	---	---	---	52.8	53.2	52.4	60.0	60.2	59.7
8/22/2015	15:06	50.3	50.9	49.6	---	---	---	58.5	59.0	57.9	65.1	65.5	64.7
8/22/2015	15:08	42.6	43.1	42.2	---	---	---	41.4	41.6	41.2	39.8	40.1	39.7
8/22/2015	15:10	44.0	44.9	43.0	---	---	---	49.1	50.4	47.5	58.8	60.6	56.3
8/22/2015	15:12	44.4	44.7	44.1	---	---	---	51.9	52.3	51.4	60.0	60.4	59.6
8/22/2015	15:14	49.7	50.2	49.2	---	---	---	59.1	59.5	58.6	65.9	66.4	65.4
8/22/2015	15:16	48.8	49.0	48.4	---	---	---	58.7	59.1	58.3	66.9	67.2	66.6
8/22/2015	15:18	52.6	52.9	52.4	---	---	---	55.2	55.5	54.7	64.3	64.5	63.7
8/22/2015	15:20	51.3	51.8	50.9	---	---	---	59.8	60.4	59.3	67.4	68.1	66.9
8/22/2015	15:22	51.6	52.0	51.1	---	---	---	60.6	61.0	60.2	67.5	67.9	67.1
8/22/2015	15:24	45.6	46.0	45.5	---	---	---	52.7	53.1	52.3	62.1	62.5	61.9
8/22/2015	15:26	51.7	52.0	51.4	---	---	---	59.1	59.5	58.7	67.4	67.8	67.0
8/22/2015	15:28	46.6	47.3	46.3	---	---	---	48.5	48.9	48.2	52.8	53.1	52.5

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/22/2015	15:30	47.0	47.5	46.4	---	---	---	50.5	50.9	50.1	55.6	55.8	55.3
8/22/2015	15:32	46.4	46.7	46.1	---	---	---	51.4	51.6	51.0	61.3	61.6	61.0
8/22/2015	15:34	52.9	54.0	51.3	---	---	---	59.6	60.0	59.1	66.9	67.4	66.4
8/22/2015	15:36	52.4	53.8	51.3	---	---	---	60.6	61.0	60.1	68.4	68.9	67.8
8/22/2015	15:38	50.7	51.2	50.3	---	---	---	59.0	59.4	58.5	67.6	68.1	67.0
8/22/2015	15:40	51.1	52.6	49.6	---	---	---	51.8	52.4	51.2	60.0	60.5	59.2
8/22/2015	15:42	49.3	49.8	48.6	---	---	---	58.5	58.6	57.7	68.2	68.6	67.7
8/22/2015	15:44	48.9	49.4	48.5	---	---	---	57.8	58.5	57.7	62.7	63.1	62.5
8/22/2015	15:46	52.0	52.8	51.1	---	---	---	59.1	59.5	58.6	66.1	66.5	65.6
8/22/2015	15:48	48.6	48.9	48.3	---	---	---	54.1	54.5	53.8	61.1	61.4	60.8
8/22/2015	15:50	50.8	51.2	50.3	---	---	---	59.7	60.2	59.1	67.7	68.3	67.2
8/22/2015	15:52	48.2	48.3	47.4	---	---	---	60.1	60.5	59.6	68.4	68.9	67.8
8/22/2015	15:54	49.3	50.0	49.0	---	---	---	51.6	52.0	51.3	62.6	62.8	62.4
8/22/2015	15:56	51.1	51.5	50.6	---	---	---	60.4	60.8	60.0	67.9	68.2	67.5
8/22/2015	15:58	44.8	45.1	44.6	---	---	---	50.0	50.2	49.7	55.5	55.8	55.2
8/22/2015	16:00	57.7	58.3	57.1	---	---	---	60.1	60.7	59.6	66.5	67.0	65.7
8/22/2015	16:02	53.9	54.4	53.3	---	---	---	60.9	61.3	60.4	68.6	69.1	68.0
8/22/2015	16:04	52.4	53.2	51.6	---	---	---	58.1	59.2	56.6	67.7	69.2	66.6
8/22/2015	16:06	46.6	47.3	46.1	---	---	---	53.9	54.7	53.1	65.6	66.6	64.7
8/22/2015	16:08	49.0	49.4	48.4	---	---	---	53.0	53.6	52.3	59.3	59.9	58.9
8/22/2015	16:10	51.7	52.5	51.1	---	---	---	55.0	55.7	54.1	58.7	59.5	57.9
8/22/2015	16:12	46.0	46.3	45.5	---	---	---	47.3	47.7	46.7	56.3	57.1	55.4
8/22/2015	16:14	47.1	47.9	46.5	---	---	---	52.9	54.1	51.4	57.6	58.3	56.7
8/22/2015	16:16	48.7	49.4	47.9	---	---	---	58.0	58.9	57.2	69.1	70.1	68.3
8/22/2015	16:18	43.0	43.2	42.7	---	---	---	50.4	50.7	50.1	60.7	60.8	60.6
8/22/2015	16:20	44.8	45.1	44.5	---	---	---	47.0	47.5	46.8	57.3	57.5	57.2
8/22/2015	16:22	45.8	46.8	44.9	---	---	---	41.2	41.6	40.8	40.8	42.2	39.7
8/22/2015	16:24	49.6	50.1	48.8	---	---	---	47.1	47.6	46.2	46.3	47.0	45.4
8/22/2015	16:26	48.8	49.4	48.6	---	---	---	45.8	46.4	45.5	43.0	43.6	42.8
8/22/2015	16:28	45.2	45.6	44.8	---	---	---	44.4	44.8	44.0	43.8	44.3	43.3
8/22/2015	16:30	48.0	48.5	47.5	---	---	---	47.5	48.1	46.8	47.6	48.4	46.7
8/24/2015	7:00	44.7	45.0	44.4	42.2	42.7	41.8	41.1	41.5	40.8	41.5	41.9	41.0
8/24/2015	7:02	44.6	44.9	44.1	43.1	43.9	42.4	41.8	42.1	41.4	42.7	43.1	42.4
8/24/2015	7:04	52.7	54.6	50.3	48.4	48.7	46.6	53.1	53.2	51.4	52.0	52.7	50.8
8/24/2015	7:06	54.1	56.1	51.8	63.7	64.5	62.6	55.9	57.0	55.4	45.3	46.2	45.1
8/24/2015	7:08	41.6	42.6	40.6	40.9	41.2	40.6	41.9	42.3	41.5	48.8	50.0	47.6
8/24/2015	7:10	41.9	42.9	41.0	56.8	56.5	55.2	61.1	60.8	59.5	64.7	65.1	64.2
8/24/2015	7:12	41.1	41.7	40.6	57.9	59.0	57.8	61.4	62.7	61.4	63.4	63.5	63.3
8/24/2015	7:14	44.5	45.5	43.6	44.7	44.9	44.5	51.0	51.3	50.7	62.8	62.9	62.7
8/24/2015	7:16	44.0	44.7	43.3	48.6	48.9	48.3	51.2	51.4	51.0	63.8	64.0	63.6
8/24/2015	7:18	46.0	46.8	45.4	51.3	51.7	50.9	52.7	53.0	52.4	65.6	66.0	65.2
8/24/2015	7:20	45.2	46.6	43.6	50.7	51.5	49.9	52.8	53.3	52.4	65.3	66.1	64.4
8/24/2015	7:22	42.9	43.5	42.5	47.7	48.1	47.2	49.0	49.3	48.8	62.5	63.0	62.1
8/24/2015	7:24	46.6	47.4	45.9	55.5	55.9	55.1	59.1	59.6	58.5	68.0	68.4	67.4
8/24/2015	7:26	44.8	45.8	43.6	59.1	59.8	58.4	63.4	64.3	62.6	68.8	69.2	68.4
8/24/2015	7:28	47.5	48.6	46.3	54.5	55.0	54.2	55.3	55.8	55.0	61.4	62.0	60.9
8/24/2015	7:30	49.6	51.7	47.5	56.8	57.3	56.3	59.1	59.6	58.5	66.7	67.0	66.3
8/24/2015	7:32	43.9	45.9	42.5	50.6	50.7	49.4	53.5	53.8	52.5	66.0	66.5	65.5
8/24/2015	7:34	48.2	49.3	47.1	56.9	57.7	56.4	58.0	58.8	57.6	62.2	62.8	61.7
8/24/2015	7:36	48.5	49.2	47.7	62.4	63.1	61.6	63.5	64.0	62.8	67.8	68.2	67.4
8/24/2015	7:38	48.0	48.8	47.1	55.4	55.6	55.1	58.3	58.5	57.9	67.3	67.8	66.4
8/24/2015	7:40	42.7	43.4	42.0	55.3	55.7	54.8	60.1	60.5	59.8	68.2	68.6	67.8
8/24/2015	7:42	46.9	47.9	46.0	55.5	56.1	55.1	57.7	58.3	57.2	64.1	64.7	63.6
8/24/2015	7:44	46.4	47.6	45.1	54.2	54.7	53.8	54.6	55.2	54.2	61.4	62.0	61.1
8/24/2015	7:46	49.4	50.9	47.7	58.5	58.9	58.1	60.6	61.0	60.2	69.0	69.4	68.5
8/24/2015	7:48	49.1	50.1	48.0	58.2	58.6	57.7	60.3	60.8	59.8	68.9	69.6	68.2
8/24/2015	7:50	47.1	48.0	46.3	57.0	57.4	56.6	58.9	59.5	58.4	67.4	68.0	66.8
8/24/2015	7:52	43.4	44.4	42.6	56.3	56.6	55.4	57.7	57.8	56.9	69.2	69.7	68.6
8/24/2015	7:54	46.7	47.7	45.7	56.0	56.8	55.9	59.7	60.4	59.3	68.6	69.5	67.8
8/24/2015	7:56	52.4	53.2	51.3	55.3	55.8	54.8	57.6	58.1	57.0	66.6	67.0	66.0
8/24/2015	7:58	42.6	42.8	42.3	49.0	49.5	48.4	54.6	55.4	53.7	68.0	68.8	67.0
8/24/2015	8:00	43.3	43.7	43.0	49.2	49.6	48.7	52.4	53.1	51.8	68.7	69.8	67.7
8/24/2015	8:02	46.7	47.2	46.2	56.5	57.0	56.0	58.4	58.9	57.9	67.9	68.4	67.4
8/24/2015	8:04	45.7	46.0	45.4	52.4	52.7	51.8	55.7	56.1	55.2	67.4	67.6	66.4
8/24/2015	8:06	47.0	48.1	46.2	56.6	57.1	56.2	58.4	59.0	57.9	65.7	66.9	65.6
8/24/2015	8:08	44.7	45.3	44.1	55.9	56.4	55.4	58.2	58.9	57.6	68.2	68.8	67.5
8/24/2015	8:10	44.0	44.3	43.7	47.4	47.7	47.0	47.8	48.2	47.4	64.0	64.5	63.7

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/24/2015	8:12	45.9	46.5	45.0	56.5	56.9	55.9	60.1	60.5	59.6	69.1	69.5	68.6
8/24/2015	8:14	43.5	44.0	43.3	49.6	50.1	49.3	50.7	51.2	50.3	65.6	66.1	65.2
8/24/2015	8:16	45.8	46.2	45.4	55.4	55.9	54.8	60.0	61.5	58.4	69.5	70.0	69.0
8/24/2015	8:18	43.9	44.6	43.4	55.3	55.6	54.8	57.7	58.0	57.2	70.3	70.9	69.7
8/24/2015	8:20	44.0	44.4	43.6	51.0	51.7	50.8	53.5	54.4	53.2	66.1	67.1	65.4
8/24/2015	8:22	50.8	53.2	47.9	48.5	49.3	47.8	52.0	52.8	51.0	67.1	67.9	66.3
8/24/2015	8:24	44.3	45.7	43.0	50.2	50.6	49.7	55.6	56.1	54.9	70.2	70.5	69.5
8/24/2015	8:26	44.9	45.8	44.0	49.7	50.3	49.2	56.9	57.6	56.0	71.1	71.8	70.7
8/24/2015	8:28	45.5	46.0	44.9	64.4	65.0	63.7	64.0	64.4	63.4	72.2	72.5	71.7
8/24/2015	8:30	43.5	44.2	43.1	54.4	55.2	54.3	58.6	59.4	58.4	71.5	72.1	71.1
8/24/2015	8:32	44.3	44.9	43.7	57.4	57.9	56.8	61.5	62.1	61.0	72.4	72.8	72.0
8/24/2015	8:34	43.2	44.0	42.4	50.9	51.6	50.2	54.1	54.5	53.5	69.7	70.3	69.1
8/24/2015	8:36	41.7	42.2	41.3	48.6	49.0	48.1	49.9	50.3	49.5	68.3	68.8	67.9
8/24/2015	8:38	49.9	50.5	49.0	59.3	59.9	58.7	61.9	62.4	61.3	71.8	72.3	71.3
8/24/2015	8:40	45.5	46.3	45.4	55.3	55.8	54.7	57.8	58.3	57.3	71.8	72.3	71.4
8/24/2015	8:42	45.0	45.5	44.5	57.4	57.9	56.9	59.1	59.5	58.6	71.1	71.7	70.6
8/24/2015	8:44	40.0	40.3	39.8	49.0	49.3	48.5	50.3	50.4	49.2	68.0	68.0	67.2
8/24/2015	8:46	45.9	46.7	45.0	58.2	58.7	57.4	60.1	60.6	59.3	69.1	69.9	68.9
8/24/2015	8:48	47.1	48.0	46.0	54.9	55.8	54.7	55.7	56.6	55.7	65.5	66.0	65.1
8/24/2015	8:50	45.3	46.3	44.2	43.7	44.6	42.9	43.6	44.6	42.8	58.9	59.5	58.4
8/24/2015	8:52	43.3	44.0	42.4	42.3	42.7	41.9	44.8	45.6	43.9	58.4	58.7	58.0
8/24/2015	8:54	44.5	45.0	44.1	42.1	42.4	41.9	45.3	46.0	44.5	60.1	60.3	59.7
8/24/2015	8:56	44.2	45.1	43.6	46.3	46.8	45.5	47.4	48.0	46.7	65.5	65.7	65.1
8/24/2015	8:58	44.6	45.1	44.2	56.3	56.8	55.7	59.8	60.2	59.3	69.5	69.9	69.3
8/24/2015	9:00	43.2	43.6	42.8	55.1	55.7	54.4	57.5	58.0	56.8	66.6	67.2	66.0
8/24/2015	9:02	41.0	41.4	40.6	44.3	44.7	43.9	47.0	47.8	46.2	63.8	64.0	63.5
8/24/2015	9:04	42.6	43.0	42.3	44.5	44.8	44.2	45.8	46.1	45.4	63.3	63.8	62.9
8/24/2015	9:06	41.0	41.4	40.6	65.5	66.3	64.6	62.8	63.3	62.3	68.2	68.5	67.6
8/24/2015	9:08	48.2	48.8	47.6	56.8	57.3	56.2	58.8	59.4	58.2	70.4	70.9	69.9
8/24/2015	9:10	46.1	46.6	45.5	57.4	57.8	56.8	59.9	60.3	59.4	69.5	70.1	69.2
8/24/2015	9:12	43.3	43.8	42.9	55.1	55.8	54.5	56.8	57.5	56.5	66.4	66.8	66.1
8/24/2015	9:14	43.9	44.4	43.3	49.4	50.5	48.6	51.5	53.0	50.3	66.1	66.6	65.7
8/24/2015	9:16	51.6	52.1	51.0	53.6	54.4	52.6	54.1	54.8	53.0	66.8	67.0	66.3
8/24/2015	9:18	52.4	52.5	52.3	59.8	61.5	58.2	59.5	60.0	59.0	69.7	70.1	69.4
8/24/2015	9:20	45.5	46.0	45.4	55.0	56.3	54.9	57.5	58.0	57.0	65.9	66.5	65.4
8/24/2015	9:22	44.1	44.3	43.4	56.3	56.8	55.7	58.2	58.7	57.7	69.1	69.6	68.5
8/24/2015	9:24	45.5	46.2	45.3	50.6	51.1	50.4	51.1	51.6	50.8	69.5	70.3	68.7
8/24/2015	9:26	46.1	47.0	45.2	56.0	56.5	55.4	58.6	59.1	58.1	67.3	67.8	66.8
8/24/2015	9:28	59.2	60.1	58.2	60.3	61.1	59.3	59.7	60.8	58.6	67.6	68.0	67.1
8/24/2015	9:30	54.8	55.7	53.9	55.2	56.0	54.3	55.4	56.4	54.5	66.3	66.7	65.9
8/24/2015	9:32	45.0	46.2	43.8	56.7	57.2	56.0	58.6	59.0	57.9	69.4	69.8	69.0
8/24/2015	9:34	51.4	52.1	50.6	51.2	51.9	51.0	50.9	51.4	50.7	67.0	67.4	66.7
8/24/2015	9:36	56.5	57.3	55.7	57.6	57.9	57.2	60.5	60.8	60.1	70.2	70.6	69.9
8/24/2015	9:38	52.7	53.9	51.3	45.9	46.2	45.4	47.9	48.2	47.4	61.5	61.9	61.2
8/24/2015	9:40	42.1	42.6	41.5	48.5	48.9	48.1	48.4	48.9	48.1	65.7	66.1	65.4
8/24/2015	9:42	51.2	51.8	50.5	46.9	47.2	46.6	47.6	47.9	47.3	63.3	63.6	63.1
8/24/2015	9:44	46.3	46.8	45.8	55.0	55.4	54.5	57.5	57.9	57.1	69.0	69.3	68.6
8/24/2015	9:46	44.9	45.5	44.3	48.1	48.6	47.6	53.6	54.4	52.8	69.2	69.8	68.8
8/24/2015	9:48	46.7	47.4	45.9	48.3	48.7	47.9	55.1	55.5	54.8	67.6	68.2	67.1
8/24/2015	9:50	47.1	48.0	46.5	50.0	50.4	49.6	55.7	56.0	55.4	68.5	68.7	68.2
8/24/2015	9:52	45.4	46.4	44.5	51.7	52.0	51.3	56.2	56.5	55.8	67.9	68.2	67.6
8/24/2015	9:54	48.9	49.4	48.2	55.1	55.3	54.4	58.4	58.6	57.9	69.9	70.4	69.4
8/24/2015	9:56	53.0	53.9	52.2	56.8	57.3	56.6	59.4	59.9	59.1	69.9	70.5	69.3
8/24/2015	9:58	53.4	54.0	52.7	57.8	58.2	57.4	60.8	61.1	60.5	70.3	70.8	69.9
8/24/2015	10:00	54.2	55.3	53.2	57.5	58.0	56.8	60.4	60.9	60.0	69.8	70.4	69.2
8/24/2015	10:02	49.4	50.3	48.6	65.9	66.7	65.3	65.2	65.6	64.9	70.0	70.5	69.6
8/24/2015	10:04	44.4	44.9	44.0	55.2	55.6	54.7	58.6	58.9	58.2	66.4	66.8	66.1
8/24/2015	10:06	41.6	42.4	40.7	45.1	45.5	44.8	49.0	49.6	48.5	62.3	63.0	61.4
8/24/2015	10:08	43.4	44.0	42.8	48.6	49.0	48.1	52.7	53.2	52.2	65.5	65.9	65.1
8/24/2015	10:10	47.9	48.2	47.5	57.4	57.8	56.9	61.0	61.8	60.3	68.9	69.3	68.5
8/24/2015	10:12	52.1	52.3	51.9	53.3	53.8	53.0	56.4	56.8	56.1	67.5	68.1	67.1
8/24/2015	10:14	52.6	52.8	52.5	58.5	59.1	58.0	60.7	61.2	60.3	69.1	69.6	68.6
8/24/2015	10:16	49.3	49.8	48.7	57.9	58.4	57.5	61.2	61.6	60.8	69.5	70.0	69.0
8/24/2015	10:18	45.1	45.7	44.5	58.2	58.7	57.7	61.3	61.7	60.8	69.6	70.1	69.1
8/24/2015	10:20	43.6	44.1	43.0	54.4	54.4	53.6	58.2	58.4	57.6	67.0	67.3	66.6
8/24/2015	10:22	47.6	48.5	46.8	55.3	56.1	55.1	56.9	57.6	56.7	68.8	69.2	68.5
8/24/2015	10:24	42.7	43.3	42.2	52.4	52.9	52.1	53.1	53.6	52.9	67.4	67.8	67.2

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/24/2015	10:26	42.9	43.8	41.9	45.1	45.4	45.0	45.5	45.7	45.3	62.6	62.8	62.5
8/24/2015	10:28	44.6	45.5	43.7	46.8	47.0	46.4	47.4	47.4	46.8	64.1	64.3	63.7
8/24/2015	10:30	44.5	45.5	43.6	50.1	50.5	49.7	53.3	53.7	52.9	67.8	68.2	67.4
8/24/2015	10:32	43.1	43.7	42.7	51.3	51.7	51.0	52.9	53.2	52.6	67.7	68.0	67.5
8/24/2015	10:34	50.2	50.3	50.0	51.3	51.8	51.0	53.0	53.4	52.5	68.5	68.8	68.2
8/24/2015	10:36	51.3	51.5	51.0	53.5	53.8	53.2	56.5	56.8	56.1	68.9	69.2	68.7
8/24/2015	10:38	51.4	51.6	51.2	55.8	56.6	54.7	58.2	59.1	57.1	70.8	71.5	70.1
8/24/2015	10:40	45.3	45.9	44.6	58.6	59.2	57.8	60.3	61.0	59.6	75.0	75.4	74.4
8/24/2015	10:42	49.3	49.8	48.8	61.4	62.0	60.9	63.4	63.8	62.9	72.3	72.9	71.9
8/24/2015	10:44	49.3	50.0	48.5	59.9	60.3	59.4	61.9	62.3	61.5	72.3	72.7	71.9
8/24/2015	10:46	47.1	47.9	46.3	58.8	59.4	58.2	60.5	60.9	59.9	71.5	72.0	71.1
8/24/2015	10:48	51.3	52.0	50.6	60.5	61.2	59.8	62.0	62.7	61.4	72.8	73.6	72.1
8/24/2015	10:50	45.9	46.4	45.4	57.2	58.0	56.3	59.9	61.0	58.8	73.2	73.9	72.3
8/24/2015	10:52	46.5	47.3	45.7	60.0	61.2	58.6	60.7	61.8	59.4	74.5	75.5	73.5
8/24/2015	10:54	45.8	46.3	45.3	58.7	59.8	57.4	59.7	60.8	58.3	73.6	74.6	72.6
8/24/2015	10:56	45.6	46.0	45.3	55.0	55.3	54.6	56.7	57.2	56.3	70.6	70.9	70.3
8/24/2015	10:58	45.9	46.6	45.2	56.9	57.7	56.3	58.7	59.4	58.1	71.1	71.7	70.5
8/24/2015	11:00	45.6	46.4	44.7	58.3	58.7	57.7	59.9	60.3	59.4	72.0	72.4	71.7
8/24/2015	11:02	46.0	46.4	45.6	59.7	60.3	59.2	61.3	61.8	60.8	71.6	72.1	71.1
8/24/2015	11:04	48.2	49.0	47.3	59.9	60.4	59.3	62.2	62.7	61.5	72.0	72.5	71.5
8/24/2015	11:06	49.1	49.9	48.4	59.7	60.3	59.1	60.9	61.6	60.4	71.0	71.3	70.6
8/24/2015	11:08	48.0	48.9	47.1	57.9	59.0	56.7	54.7	55.3	53.8	69.1	69.6	68.6
8/24/2015	11:10	49.4	50.4	48.3	55.0	55.6	54.5	56.9	57.4	56.2	69.4	69.7	69.1
8/24/2015	11:12	52.3	53.4	51.1	56.9	57.4	56.1	59.2	59.9	58.5	71.9	72.3	71.5
8/24/2015	11:14	51.0	52.0	50.0	62.2	62.6	61.8	62.0	62.4	61.6	69.7	70.1	69.3
8/24/2015	11:16	50.2	50.8	49.5	60.5	61.1	59.8	63.0	63.4	62.3	72.6	73.1	72.2
8/24/2015	11:18	52.6	53.1	52.1	61.2	61.8	60.8	63.8	64.4	63.1	73.8	74.3	73.4
8/24/2015	11:20	50.8	51.4	50.1	60.4	60.9	59.9	62.1	62.5	61.7	72.5	73.0	72.0
8/24/2015	11:22	52.0	52.6	51.4	60.4	60.9	59.8	62.6	63.3	62.0	72.8	73.2	72.3
8/24/2015	11:24	49.0	49.8	48.3	59.1	60.2	57.8	61.5	62.7	60.5	72.6	73.7	71.3
8/24/2015	11:26	48.8	49.5	48.0	62.5	63.5	61.4	65.6	66.7	64.5	75.4	76.4	74.2
8/24/2015	11:28	50.7	51.4	49.9	59.0	60.1	57.8	62.4	63.2	61.3	74.4	75.6	73.0
8/24/2015	11:30	51.3	52.1	50.4	60.0	60.8	59.1	63.2	64.1	62.4	73.8	74.8	72.7
8/24/2015	11:32	50.7	51.8	49.5	61.1	62.2	60.1	59.4	60.2	58.6	72.8	73.5	72.1
8/24/2015	11:34	48.9	49.7	48.1	59.9	60.3	59.6	61.9	62.3	61.6	72.5	72.8	72.1
8/24/2015	11:36	48.1	48.7	47.5	61.4	61.9	61.1	63.5	63.8	63.1	73.0	73.4	72.6
8/24/2015	11:38	44.7	45.4	44.3	55.6	56.2	55.1	57.8	58.3	57.4	69.5	70.1	69.1
8/24/2015	11:40	49.8	50.3	49.3	59.9	60.3	59.4	61.6	62.0	61.2	70.2	70.6	69.8
8/24/2015	11:42	45.6	46.5	44.8	51.0	51.7	50.4	53.3	53.9	52.6	66.4	67.3	65.8
8/24/2015	11:44	43.3	43.9	42.7	50.8	52.0	49.9	52.6	53.6	51.5	65.0	66.2	63.9
8/24/2015	11:46	43.3	43.8	42.7	49.1	50.0	48.4	50.1	50.8	49.5	68.8	69.7	67.7
8/24/2015	11:48	44.0	44.4	43.6	47.7	48.2	46.9	47.2	47.9	46.7	53.8	54.7	52.3
8/24/2015	11:50	45.4	45.7	45.0	54.1	54.7	53.5	55.8	56.2	55.3	71.1	71.9	70.3
8/24/2015	11:52	48.3	48.7	47.7	55.4	55.7	55.0	57.3	57.6	56.8	70.5	70.7	70.0
8/24/2015	11:54	49.5	50.0	49.1	58.2	58.6	57.8	59.9	60.3	59.5	69.1	69.7	69.0
8/24/2015	11:56	48.7	49.2	48.3	58.5	59.0	58.0	60.9	61.3	60.4	70.7	71.0	70.3
8/24/2015	11:58	49.2	49.7	48.7	57.8	58.2	57.4	59.8	60.2	59.3	70.9	71.4	70.5
8/24/2015	12:00	46.2	46.6	45.7	58.2	58.6	57.9	59.9	60.3	59.4	71.0	71.3	70.6
8/24/2015	12:02	47.6	48.2	47.1	57.7	58.2	57.3	59.3	59.7	58.9	69.7	70.1	69.3
8/24/2015	12:04	46.2	46.6	45.9	53.8	54.1	53.5	55.8	56.1	55.5	66.5	66.9	66.1
8/24/2015	12:06	46.3	46.8	45.8	45.5	45.7	45.2	46.8	47.0	46.6	58.4	58.5	58.3
8/24/2015	12:08	47.3	48.1	46.5	53.0	53.5	52.5	54.0	54.4	53.5	68.3	68.7	67.9
8/24/2015	12:10	47.7	48.3	47.1	58.4	58.8	58.1	60.1	60.4	59.6	70.9	71.3	70.6
8/24/2015	12:12	44.9	45.5	44.3	52.8	53.2	52.4	53.9	54.4	53.4	69.2	69.6	68.8
8/24/2015	12:14	43.8	44.4	43.3	55.0	55.5	54.6	57.9	58.2	57.5	73.4	73.9	73.0
8/24/2015	12:16	49.5	49.9	49.0	59.9	60.3	59.6	62.2	62.6	61.8	73.4	73.7	73.0
8/24/2015	12:18	50.0	50.5	49.5	58.4	58.7	58.0	60.5	60.8	60.1	71.7	72.0	71.4
8/24/2015	12:20	46.3	47.0	45.7	53.5	53.8	53.1	55.4	55.6	55.1	70.0	70.3	69.7
8/24/2015	12:22	41.4	41.8	41.1	49.9	50.2	49.7	52.1	52.4	51.9	66.2	66.5	66.0
8/24/2015	12:24	43.4	43.8	42.9	49.2	49.4	49.0	51.3	51.5	51.0	65.2	65.5	64.9
8/24/2015	12:26	45.0	45.6	44.2	52.6	53.3	51.9	54.7	55.3	54.0	66.7	67.3	66.1
8/24/2015	12:28	46.6	47.3	46.1	55.9	56.6	55.1	57.8	58.5	57.1	68.0	68.8	67.3
8/24/2015	12:30	48.1	48.6	47.6	56.3	56.8	55.9	58.2	58.6	57.7	67.1	67.6	66.5
8/24/2015	12:32	52.1	52.5	51.5	58.6	59.3	58.0	60.3	60.8	59.8	68.4	69.0	67.7
8/24/2015	12:34	53.7	54.2	53.1	54.2	54.8	53.6	56.5	57.1	55.9	65.4	66.0	65.0
8/24/2015	12:36	56.3	56.7	55.9	59.5	59.9	59.0	61.2	61.7	60.7	69.7	70.2	69.2
8/24/2015	12:38	55.9	56.4	55.4	60.3	60.7	59.9	62.8	63.3	62.4	70.5	71.2	69.8

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/24/2015	12:40	56.7	57.1	56.2	54.5	55.4	53.7	56.9	57.6	56.1	66.3	67.3	65.1
8/24/2015	12:42	55.3	55.9	54.9	56.7	57.4	55.7	58.8	59.5	58.0	68.4	69.4	67.3
8/24/2015	12:44	55.2	55.7	54.7	54.4	55.1	54.0	54.4	55.0	54.1	57.2	57.7	56.8
8/24/2015	12:46	53.1	53.6	52.7	57.0	58.1	55.6	59.7	60.7	58.5	69.5	70.4	68.2
8/24/2015	12:48	56.1	56.6	55.6	58.6	59.5	57.9	59.7	60.3	59.3	67.3	68.6	66.3
8/24/2015	12:50	56.9	57.4	56.4	58.4	58.8	58.0	61.1	61.7	60.6	68.0	68.5	67.3
8/24/2015	12:52	54.2	54.9	53.5	53.7	54.3	53.2	56.8	57.5	56.1	66.5	67.3	65.7
8/24/2015	12:54	54.0	54.7	53.4	66.9	67.5	66.2	62.9	63.3	62.4	67.1	67.5	66.4
8/24/2015	12:56	54.0	54.8	53.2	57.8	58.5	56.9	60.3	61.0	59.5	71.8	72.6	70.9
8/24/2015	12:58	51.5	52.4	50.6	57.2	57.5	56.5	60.0	60.4	59.5	69.7	70.3	69.0
8/24/2015	13:00	52.6	53.1	52.1	60.7	61.4	60.1	62.5	63.3	62.0	72.6	73.5	71.5
8/24/2015	13:02	55.4	56.6	54.1	55.3	55.5	55.0	55.9	56.2	55.6	65.1	65.5	64.6
8/24/2015	13:04	51.1	51.6	50.6	59.7	60.2	59.2	61.6	62.2	61.1	71.9	72.6	71.1
8/24/2015	13:06	48.9	49.4	48.4	58.3	58.8	57.9	60.1	60.5	59.6	70.3	70.6	69.9
8/24/2015	13:08	44.9	45.2	44.5	54.5	55.1	53.7	55.9	56.8	55.1	69.9	70.7	69.0
8/24/2015	13:10	47.5	48.4	46.7	56.3	56.8	55.7	58.2	59.0	57.6	71.1	71.8	70.4
8/24/2015	13:12	43.5	44.1	42.9	52.9	54.2	51.6	54.2	55.4	53.0	69.9	70.8	69.0
8/24/2015	13:14	44.5	45.0	44.1	51.5	52.6	50.4	51.9	52.8	50.8	70.2	71.3	69.3
8/24/2015	13:16	48.2	49.3	47.1	52.2	53.2	51.1	52.5	53.3	51.5	67.1	68.0	66.1
8/24/2015	13:18	53.8	54.4	53.1	62.2	62.7	61.6	65.1	65.7	64.3	70.8	71.5	69.3
8/24/2015	13:20	50.8	51.6	50.0	56.1	56.6	55.7	58.6	59.1	58.3	71.0	71.6	70.8
8/24/2015	13:22	47.2	47.6	46.7	54.6	55.1	54.1	56.5	57.1	55.9	64.8	65.3	64.2
8/24/2015	13:24	48.7	49.1	48.4	54.6	55.2	53.9	54.8	55.3	54.2	63.9	64.6	63.1
8/24/2015	13:26	47.5	47.8	47.1	54.5	54.7	54.1	55.2	55.4	54.7	61.6	61.9	61.2
8/24/2015	13:28	49.6	50.1	49.0	59.7	60.0	59.3	60.9	61.2	60.6	68.1	68.5	67.6
8/24/2015	13:30	52.8	53.7	51.9	58.4	58.8	58.0	59.7	60.1	59.4	67.2	67.6	66.7
8/24/2015	13:32	51.0	51.4	50.7	52.7	53.0	52.5	53.8	54.1	53.5	59.8	60.1	59.5
8/24/2015	13:34	45.0	45.3	44.8	53.8	54.0	53.5	53.2	53.5	52.9	61.9	62.2	61.5
8/24/2015	13:36	49.6	49.9	49.3	59.1	59.6	58.6	60.3	60.7	59.9	67.8	68.3	67.4
8/24/2015	13:38	50.3	50.6	50.0	52.1	52.5	51.7	51.4	51.8	51.1	61.9	62.4	61.4
8/24/2015	13:40	49.0	49.3	48.7	51.8	52.3	51.3	51.4	51.9	51.0	61.0	61.5	60.6
8/24/2015	13:42	46.2	46.6	45.7	52.0	52.3	51.6	52.3	52.7	51.9	64.3	64.9	63.7
8/24/2015	13:44	53.9	55.2	52.3	54.2	54.5	53.8	54.8	55.1	54.3	65.0	65.4	64.4
8/24/2015	13:46	49.4	49.8	49.0	57.0	57.4	56.6	57.8	58.2	57.4	61.4	61.8	61.2
8/24/2015	13:48	52.1	52.8	51.2	57.0	57.4	56.5	58.9	59.3	58.5	66.5	67.0	66.1
8/24/2015	13:50	50.1	50.9	49.4	56.5	56.8	56.1	57.0	57.3	56.7	61.5	61.8	61.2
8/24/2015	13:52	52.2	52.8	51.4	67.5	67.4	65.8	66.7	67.1	66.1	68.6	68.9	68.2
8/24/2015	13:54	52.8	53.9	51.8	62.5	65.2	63.5	60.8	61.6	60.7	67.4	67.8	67.0
8/24/2015	13:56	52.0	52.7	51.7	54.3	54.7	54.0	54.7	55.1	54.3	61.6	61.9	61.3
8/24/2015	13:58	51.3	51.9	50.7	58.5	59.0	58.1	60.5	60.9	60.0	68.6	69.1	68.1
8/24/2015	14:00	49.9	50.2	49.4	52.6	52.9	52.3	54.0	54.3	53.6	63.9	64.3	63.6
8/24/2015	14:02	48.9	49.6	48.1	54.0	54.5	53.5	55.2	55.7	54.8	64.6	65.1	64.1
8/24/2015	14:04	46.6	47.0	46.2	58.2	58.6	57.7	58.8	59.1	58.4	66.9	67.3	66.5
8/24/2015	14:06	48.0	48.5	47.5	57.4	58.0	56.9	59.2	59.8	58.6	67.0	67.4	66.6
8/24/2015	14:08	50.2	50.8	49.6	56.3	56.9	55.5	56.2	56.6	55.8	68.0	68.7	67.2
8/24/2015	14:10	51.5	52.0	51.1	58.6	59.0	58.2	59.9	60.3	59.5	68.8	69.3	68.4
8/24/2015	14:12	49.1	49.5	48.7	53.0	53.5	52.5	55.3	55.8	54.7	65.2	65.8	64.7
8/24/2015	14:14	56.9	57.6	56.1	54.7	55.3	54.1	55.7	56.2	55.2	65.3	65.9	64.8
8/24/2015	14:16	46.1	46.6	45.5	58.5	58.8	57.9	60.1	60.4	59.5	69.5	70.0	69.0
8/24/2015	14:18	47.2	48.1	46.3	55.1	55.9	55.1	57.1	57.8	57.0	63.9	64.3	63.7
8/24/2015	14:20	47.3	48.0	46.7	58.8	59.2	58.4	61.7	62.1	61.3	68.5	68.8	68.1
8/24/2015	14:22	46.4	46.7	46.0	54.2	54.7	53.8	56.7	57.2	56.2	64.2	64.7	63.8
8/24/2015	14:24	46.6	47.2	46.1	54.5	55.0	53.9	55.9	56.6	55.3	63.1	63.7	62.4
8/24/2015	14:26	44.1	44.4	43.7	54.5	55.1	54.1	56.5	57.1	55.9	63.1	63.6	62.7
8/24/2015	14:28	47.8	48.1	47.4	57.8	58.2	57.2	59.8	60.3	59.2	67.2	67.7	66.7
8/24/2015	14:30	49.4	49.8	48.9	56.9	57.6	56.3	58.9	59.6	58.4	64.7	65.3	64.0
8/24/2015	14:32	45.6	46.0	45.2	53.7	54.3	53.2	56.0	56.5	55.4	62.9	63.3	62.4
8/24/2015	14:34	47.7	48.5	47.1	55.3	55.7	54.9	57.6	58.1	57.2	65.3	65.8	64.9
8/24/2015	14:36	46.1	46.4	45.7	58.4	58.7	57.9	59.8	60.1	59.4	67.4	67.7	67.1
8/24/2015	14:38	49.0	49.8	48.2	57.7	57.8	57.3	59.8	59.9	59.4	68.4	68.7	68.0
8/24/2015	14:40	50.4	51.0	50.0	58.8	59.3	58.4	60.6	61.1	60.2	67.3	67.8	66.5
8/24/2015	14:42	49.6	50.0	49.1	60.9	61.4	60.5	63.0	63.4	62.5	70.4	71.0	69.9
8/24/2015	14:44	48.2	48.7	47.7	58.3	58.9	57.7	61.1	61.9	60.4	68.7	69.4	68.0
8/24/2015	14:46	48.2	48.4	47.5	59.0	59.6	58.4	61.4	62.0	60.8	69.6	70.2	68.9
8/24/2015	14:48	47.9	48.6	47.7	56.4	57.0	55.9	58.6	59.1	58.1	67.5	68.0	67.0
8/24/2015	14:50	46.9	47.4	46.5	56.4	56.9	55.8	58.3	58.8	57.8	66.0	66.5	65.5
8/24/2015	14:52	43.5	43.8	43.2	56.8	57.4	56.2	58.7	59.1	58.1	67.8	68.3	67.2

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/24/2015	14:54	45.0	45.3	44.6	57.9	58.4	57.5	59.9	60.3	59.6	68.9	69.4	68.4
8/24/2015	14:56	50.1	50.5	49.7	60.9	61.2	60.5	63.1	63.4	62.7	70.7	71.2	70.4
8/24/2015	14:58	49.4	49.8	49.0	58.5	58.9	58.2	58.7	59.2	58.4	66.9	67.2	66.3
8/24/2015	15:00	48.6	49.1	48.1	59.5	60.0	59.1	62.9	63.4	62.5	67.0	67.6	66.7
8/24/2015	15:02	42.4	43.0	41.9	56.1	56.4	55.4	58.0	58.2	57.4	69.2	69.6	68.7
8/24/2015	15:04	43.9	44.3	43.4	57.6	58.2	57.4	59.7	60.2	59.5	65.6	66.1	65.3
8/24/2015	15:06	47.0	47.4	46.4	58.6	59.0	58.2	61.0	61.5	60.5	69.4	69.9	68.8
8/24/2015	15:08	43.7	44.2	43.6	55.2	55.6	54.9	57.6	58.1	57.2	66.4	67.1	65.6
8/24/2015	15:10	40.6	40.9	40.4	52.8	53.1	52.5	55.1	55.5	54.7	63.1	63.3	62.9
8/24/2015	15:12	46.0	46.4	45.6	57.6	58.1	57.2	59.8	60.2	59.3	68.3	68.8	67.7
8/24/2015	15:14	41.5	41.8	41.2	51.3	51.8	50.8	54.6	55.3	54.1	66.9	67.8	66.1
8/24/2015	15:16	47.2	47.9	46.3	50.1	50.6	49.6	52.0	52.4	51.6	65.9	66.7	65.0
8/24/2015	15:18	47.3	48.2	46.4	51.0	51.3	50.5	52.8	53.3	52.2	64.3	64.8	63.8
8/24/2015	15:20	46.4	46.9	45.9	57.1	57.5	56.7	57.9	58.3	57.5	66.6	67.0	66.2
8/24/2015	15:22	48.8	49.1	48.3	60.2	60.5	59.6	64.3	64.8	63.0	68.2	68.6	67.8
8/24/2015	15:24	46.8	47.3	46.6	57.3	58.0	57.2	58.2	60.1	58.7	69.8	70.3	69.1
8/24/2015	15:26	48.3	48.7	47.8	59.1	59.8	58.4	60.2	61.1	59.4	69.9	71.0	68.7
8/24/2015	15:28	48.5	49.1	47.9	56.1	57.1	55.0	56.3	57.1	55.3	66.4	67.4	65.1
8/24/2015	15:30	47.4	47.8	46.9	55.9	56.6	55.2	56.3	56.9	55.6	66.5	67.4	65.7
8/24/2015	15:32	50.9	51.4	50.4	58.5	58.9	58.1	60.3	60.7	59.9	68.9	69.6	68.3
8/24/2015	15:34	52.5	52.8	52.1	58.9	59.3	58.5	60.9	61.2	60.5	67.8	68.1	67.4
8/24/2015	15:36	51.2	51.7	50.8	57.9	58.3	57.6	59.5	59.9	59.0	65.9	66.3	65.5
8/24/2015	15:38	48.6	49.0	48.3	53.9	54.3	53.4	56.6	57.0	56.1	62.7	63.0	62.2
8/24/2015	15:40	51.4	51.9	50.9	59.0	59.4	58.6	61.3	61.7	60.9	68.7	69.2	68.2
8/24/2015	15:42	52.2	52.5	51.7	59.5	59.7	59.2	61.6	61.9	61.3	68.8	69.1	68.4
8/24/2015	15:44	47.0	47.4	46.6	57.1	57.6	56.8	59.6	60.0	59.2	68.9	69.3	68.5
8/24/2015	15:46	46.5	47.0	46.1	56.6	57.0	56.3	59.3	59.6	58.9	68.9	69.3	68.6
8/24/2015	15:48	50.2	50.6	49.8	58.9	59.2	58.4	61.6	62.0	61.2	70.8	71.3	70.2
8/24/2015	15:50	47.0	47.4	46.6	54.8	55.2	54.4	57.7	58.1	57.3	66.9	67.3	66.5
8/24/2015	15:52	45.6	46.1	45.1	54.7	55.2	54.2	58.8	59.2	58.3	69.5	69.9	69.1
8/24/2015	15:54	48.4	48.9	48.0	57.9	58.3	57.5	60.4	60.8	60.0	70.4	70.9	70.1
8/24/2015	15:56	46.1	46.6	45.6	56.9	57.1	56.4	58.9	59.2	58.5	71.8	72.3	71.3
8/24/2015	15:58	50.1	50.6	49.6	58.4	58.9	58.0	60.0	60.4	59.4	66.3	66.6	65.7
8/24/2015	16:00	53.7	54.1	53.1	59.1	59.5	58.8	60.5	60.9	60.2	67.8	68.3	67.4
8/24/2015	16:02	48.7	49.5	47.9	68.3	69.0	67.5	65.2	65.7	64.5	62.8	63.4	61.8
8/24/2015	16:04	49.4	50.5	48.5	52.5	53.4	51.5	56.2	57.4	55.4	65.5	66.4	64.6
8/24/2015	16:06	45.6	46.4	44.9	49.5	49.8	49.0	52.4	52.9	51.7	63.9	64.8	63.2
8/24/2015	16:08	46.4	47.0	45.8	47.9	48.6	47.4	48.8	49.3	48.5	55.5	55.9	55.2
8/24/2015	16:10	45.8	46.6	45.0	48.1	48.4	47.8	51.9	52.2	51.7	64.4	64.6	64.1
8/24/2015	16:12	48.9	49.9	48.1	51.6	52.0	51.3	54.0	54.4	53.7	57.5	57.9	56.9
8/24/2015	16:14	45.1	45.9	44.1	42.3	42.8	41.8	44.6	45.1	44.3	45.1	46.5	45.5
8/24/2015	16:16	46.9	47.8	45.9	40.2	40.9	39.7	42.1	42.4	41.8	38.9	39.2	38.6
8/24/2015	16:18	37.2	37.5	36.9	36.9	37.1	36.6	40.1	40.2	39.9	38.6	38.8	38.3
8/24/2015	16:20	46.0	46.6	45.3	39.7	39.9	39.3	41.1	41.3	41.0	40.6	40.9	40.2
8/24/2015	16:22	39.3	39.6	39.0	38.8	39.1	38.6	41.1	41.3	41.0	39.5	39.8	39.3
8/24/2015	16:24	45.2	46.2	44.1	51.4	52.3	50.5	42.5	42.7	42.2	40.0	40.5	39.5
8/24/2015	16:26	39.7	40.4	39.2	45.2	47.6	42.3	40.3	40.6	40.1	39.3	39.6	38.9
8/24/2015	16:28	38.2	38.8	37.7	---	---	---	40.2	40.3	40.1	39.1	39.3	38.9
8/24/2015	16:30	37.7	38.0	37.2	---	---	---	41.0	41.3	40.8	39.8	40.2	39.4
8/25/2015	7:00	43.3	43.5	43.0	44.3	44.7	43.8	45.1	45.6	44.6	52.9	53.5	52.2
8/25/2015	7:02	43.4	43.8	43.0	46.7	47.4	46.0	46.6	47.1	46.0	56.4	57.2	55.5
8/25/2015	7:04	41.8	42.1	41.5	46.6	47.2	46.1	48.4	48.8	48.1	55.7	56.4	55.0
8/25/2015	7:06	41.7	42.0	41.5	42.7	43.0	42.5	43.9	44.1	43.7	51.2	51.4	51.0
8/25/2015	7:08	42.1	42.4	41.8	49.1	49.9	48.2	49.8	50.4	49.0	58.0	58.8	57.1
8/25/2015	7:10	41.3	41.7	41.0	47.5	48.1	47.0	51.2	51.9	50.3	65.9	66.8	64.8
8/25/2015	7:12	41.9	42.2	41.6	47.3	47.7	47.1	49.7	50.3	49.3	66.1	67.1	65.6
8/25/2015	7:14	43.3	43.7	43.0	47.8	48.1	47.5	48.4	48.8	48.1	61.1	61.5	60.7
8/25/2015	7:16	46.4	47.1	45.6	45.7	46.0	45.4	47.6	48.4	46.8	58.1	58.3	57.7
8/25/2015	7:18	46.6	47.1	46.1	49.5	49.7	48.9	51.7	51.8	50.9	67.7	67.8	66.8
8/25/2015	7:20	45.6	46.2	45.2	55.4	56.0	54.9	59.5	60.2	59.0	68.7	69.8	68.1
8/25/2015	7:22	49.0	49.2	48.8	55.8	56.3	55.3	58.8	59.2	58.3	68.7	69.5	68.1
8/25/2015	7:24	44.3	45.0	43.7	55.1	55.6	54.6	58.0	58.6	57.4	68.0	68.6	67.5
8/25/2015	7:26	50.1	50.2	49.9	57.0	57.4	56.6	60.2	60.6	59.7	71.1	71.7	70.5
8/25/2015	7:28	48.1	49.2	47.1	57.2	57.6	56.7	59.2	59.5	58.7	68.3	68.9	67.7
8/25/2015	7:30	44.9	45.3	44.4	50.3	51.1	50.1	51.2	52.4	51.3	59.0	59.7	58.4
8/25/2015	7:32	43.4	44.0	42.8	45.5	46.0	45.0	45.7	46.0	45.3	58.1	58.4	57.6
8/25/2015	7:34	45.7	46.0	45.2	48.6	49.0	48.2	53.1	53.5	52.3	67.9	68.4	67.2

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/25/2015	7:36	48.7	49.1	48.4	48.1	48.4	47.8	52.0	52.6	51.8	64.2	64.8	64.0
8/25/2015	7:38	46.7	47.2	46.3	56.3	56.9	55.7	59.2	59.7	58.7	67.6	68.1	67.0
8/25/2015	7:40	49.6	51.8	47.2	44.9	45.2	44.6	45.6	45.9	45.4	56.4	56.7	56.1
8/25/2015	7:42	46.7	48.1	45.4	46.6	47.0	46.2	46.3	46.6	46.0	59.0	59.4	58.7
8/25/2015	7:44	45.9	46.9	45.1	50.0	50.3	49.5	50.3	50.6	49.6	65.2	65.4	64.6
8/25/2015	7:46	45.4	45.9	44.9	56.0	56.5	55.5	56.8	57.4	56.3	62.6	63.3	62.6
8/25/2015	7:48	45.8	46.0	45.5	55.7	56.2	55.2	56.9	57.5	56.3	67.0	67.4	66.7
8/25/2015	7:50	47.1	47.5	46.8	55.1	55.5	54.8	59.1	60.4	58.2	66.4	66.9	66.0
8/25/2015	7:52	47.6	48.0	47.3	46.9	47.1	46.6	45.8	46.2	45.5	60.4	60.8	59.9
8/25/2015	7:54	43.9	44.6	43.1	56.0	56.3	55.2	59.6	59.8	58.8	68.4	68.9	67.9
8/25/2015	7:56	47.0	47.9	46.2	52.6	53.4	52.6	54.5	55.6	54.5	66.8	67.0	65.9
8/25/2015	7:58	48.8	50.6	47.2	56.9	57.4	56.3	58.8	59.4	58.3	62.6	63.9	62.8
8/25/2015	8:00	41.9	42.2	41.6	48.2	48.7	47.7	47.2	47.6	46.8	59.8	60.1	59.4
8/25/2015	8:02	45.4	46.2	44.7	48.0	48.4	47.6	48.9	49.3	48.5	63.8	64.1	63.4
8/25/2015	8:04	45.7	46.5	45.0	49.2	49.5	48.8	49.8	50.1	49.5	---	---	---
8/25/2015	8:06	44.7	45.1	44.4	49.0	49.3	48.6	49.0	49.4	48.6	---	---	---
8/25/2015	8:08	48.2	48.6	47.7	57.1	57.5	56.6	58.9	59.3	58.4	---	---	---
8/25/2015	8:10	43.5	43.9	43.0	51.2	51.7	50.4	52.7	53.0	52.2	---	---	---
8/25/2015	8:12	49.5	50.1	48.9	66.9	67.4	66.3	64.2	64.5	63.9	---	---	---
8/25/2015	8:14	46.7	47.3	46.0	51.0	51.3	50.6	50.6	50.9	50.3	---	---	---
8/25/2015	8:16	46.7	47.2	46.3	64.1	64.9	63.2	61.8	62.3	61.2	---	---	---
8/25/2015	8:18	47.8	48.3	47.3	59.0	59.5	58.5	60.9	61.3	60.4	---	---	---
8/25/2015	8:20	47.0	47.5	46.6	58.7	59.1	58.2	61.1	61.6	60.6	---	---	---
8/25/2015	8:22	43.4	43.5	42.9	56.7	57.1	56.2	59.5	59.8	59.1	---	---	---
8/25/2015	8:24	43.6	44.0	43.4	50.3	50.9	50.1	51.5	52.3	51.4	---	---	---
8/25/2015	8:26	51.8	52.3	51.3	49.2	49.6	48.7	49.8	50.1	49.5	60.1	61.4	58.7
8/25/2015	8:28	49.3	51.3	47.7	57.1	57.6	56.5	58.7	59.2	58.3	65.7	66.1	65.2
8/25/2015	8:30	43.0	43.6	42.3	49.2	49.8	48.6	50.0	50.4	49.5	62.9	63.8	62.0
8/25/2015	8:32	45.5	46.2	44.7	57.0	57.5	56.5	59.5	60.0	59.0	66.5	66.8	66.2
8/25/2015	8:34	48.2	49.5	46.8	48.7	49.3	48.1	53.2	54.2	52.3	64.8	65.4	64.3
8/25/2015	8:36	49.6	50.5	48.5	52.6	53.2	52.0	55.5	56.0	55.1	68.0	68.4	67.5
8/25/2015	8:38	44.3	45.1	43.5	52.5	53.0	52.0	57.3	57.7	56.8	69.1	69.6	68.6
8/25/2015	8:40	46.7	47.2	45.9	58.1	58.4	57.7	61.2	61.6	60.7	69.5	69.9	69.2
8/25/2015	8:42	43.6	44.3	43.4	51.9	52.7	51.2	54.4	54.9	53.8	64.4	65.0	63.8
8/25/2015	8:44	45.9	46.4	45.4	58.3	58.9	57.7	61.4	61.9	60.9	72.2	72.9	71.4
8/25/2015	8:46	43.5	44.3	42.7	62.8	63.8	61.8	60.8	61.5	60.0	68.5	68.8	68.1
8/25/2015	8:48	45.1	45.9	44.3	56.5	57.0	55.9	60.3	60.8	59.8	68.7	69.0	68.2
8/25/2015	8:50	45.8	46.6	45.1	56.0	56.7	54.9	60.1	61.0	59.0	68.4	68.9	67.8
8/25/2015	8:52	43.9	44.4	43.3	73.5	74.2	72.6	64.3	65.1	63.6	67.5	68.2	66.8
8/25/2015	8:54	48.7	50.9	46.6	52.3	53.0	51.7	54.7	55.3	54.3	62.6	63.4	61.8
8/25/2015	8:56	---	---	---	54.5	55.0	54.0	53.4	53.8	53.0	63.2	63.5	62.8
8/25/2015	8:58	---	---	---	51.3	51.7	50.9	52.5	52.9	52.1	64.7	65.1	64.3
8/25/2015	9:00	---	---	---	53.5	54.1	52.9	53.4	54.0	52.8	65.1	65.5	64.7
8/25/2015	9:02	---	---	---	49.9	50.4	49.4	51.5	52.0	51.0	62.6	63.1	62.1
8/25/2015	9:04	---	---	---	63.4	65.3	60.8	57.4	58.2	56.7	69.9	70.7	68.9
8/25/2015	9:06	---	---	---	50.4	50.8	49.9	52.8	53.1	52.3	66.6	66.9	66.0
8/25/2015	9:08	---	---	---	57.3	57.7	56.8	60.8	61.2	60.2	75.7	76.3	75.1
8/25/2015	9:10	51.9	54.6	49.1	55.2	55.8	55.0	56.9	57.5	56.6	74.2	74.8	73.8
8/25/2015	9:12	44.4	45.2	43.4	55.0	55.5	54.5	57.1	57.7	56.5	74.6	75.2	74.1
8/25/2015	9:14	46.6	47.1	46.2	58.5	59.0	58.0	61.2	61.6	60.7	73.6	74.1	73.1
8/25/2015	9:16	47.6	48.5	46.9	57.7	58.2	57.3	60.3	60.8	59.9	68.2	68.5	67.8
8/25/2015	9:18	56.1	56.9	55.1	58.3	58.8	57.7	59.7	60.2	59.2	73.5	74.0	73.0
8/25/2015	9:20	54.9	55.5	54.2	61.2	61.4	60.8	63.5	63.8	63.1	69.3	69.7	68.9
8/25/2015	9:22	56.4	57.1	55.7	57.0	57.7	56.7	57.1	57.8	56.9	60.5	60.8	60.1
8/25/2015	9:24	58.8	59.5	58.1	65.6	66.0	65.2	63.8	64.1	63.4	64.6	65.2	64.1
8/25/2015	9:26	44.4	45.6	43.7	53.9	54.6	53.5	56.7	57.4	56.6	66.2	67.0	65.4
8/25/2015	9:28	49.5	50.7	48.1	52.1	52.7	51.3	53.4	54.1	52.7	70.2	71.0	69.0
8/25/2015	9:30	44.2	45.3	43.2	54.5	54.6	53.8	55.9	56.1	55.0	69.6	70.3	69.0
8/25/2015	9:32	45.8	46.3	45.4	55.6	56.2	55.3	57.0	57.8	56.8	67.7	68.5	67.1
8/25/2015	9:34	47.1	47.9	46.2	59.0	59.3	58.6	60.5	60.9	60.1	69.6	70.3	68.8
8/25/2015	9:36	46.0	46.8	45.1	57.6	58.0	57.2	60.2	60.8	59.7	68.7	69.4	68.1
8/25/2015	9:38	44.1	45.1	43.0	53.2	53.5	52.6	55.6	56.0	54.9	66.2	67.0	65.3
8/25/2015	9:40	48.2	48.8	47.7	57.1	57.6	56.7	59.1	59.7	58.8	65.1	65.6	64.8
8/25/2015	9:42	43.9	44.3	43.4	56.3	56.7	55.9	58.2	58.6	57.7	68.4	69.1	67.8
8/25/2015	9:44	46.0	47.4	44.9	48.0	48.6	47.5	49.4	50.1	48.8	59.3	60.0	58.9
8/25/2015	9:46	43.1	43.5	42.8	49.7	50.1	49.2	53.0	53.5	52.6	60.3	60.8	59.9
8/25/2015	9:48	39.7	40.1	39.3	47.7	48.1	47.3	49.1	49.5	48.7	60.5	60.9	60.1

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/25/2015	9:50	45.5	46.0	44.8	56.4	57.1	55.7	59.4	60.0	58.8	66.1	66.6	65.7
8/25/2015	9:52	43.2	43.8	42.8	56.9	57.5	56.3	59.1	59.6	58.6	66.1	66.4	65.7
8/25/2015	9:54	44.1	44.8	43.5	51.6	52.1	51.2	52.4	52.9	52.0	61.8	62.3	61.5
8/25/2015	9:56	46.9	47.7	45.9	56.8	57.3	56.4	59.1	59.6	58.6	65.5	66.1	64.9
8/25/2015	9:58	44.0	44.5	43.4	54.0	54.4	53.4	57.7	58.3	57.1	65.6	66.1	65.1
8/25/2015	10:00	41.9	42.7	41.2	49.7	50.2	49.4	52.4	52.8	52.0	60.9	61.2	60.5
8/25/2015	10:02	47.2	48.2	46.1	57.1	57.6	56.7	59.5	59.9	59.0	65.8	66.4	65.3
8/25/2015	10:04	46.2	47.4	45.0	50.8	51.1	50.4	55.2	55.5	54.6	65.2	65.6	64.5
8/25/2015	10:06	50.0	51.5	48.4	56.1	56.7	55.6	60.5	61.0	60.1	67.1	67.4	66.6
8/25/2015	10:08	51.9	53.1	50.5	67.7	68.4	66.8	67.3	67.8	66.8	68.6	69.1	68.1
8/25/2015	10:10	48.4	49.6	47.0	69.1	69.8	68.4	70.7	71.4	70.0	71.1	71.8	70.3
8/25/2015	10:12	44.7	45.8	43.7	48.5	49.0	48.1	54.7	55.2	54.1	66.6	67.3	66.2
8/25/2015	10:14	47.3	48.0	46.2	57.6	58.0	57.0	60.4	60.8	60.0	65.5	65.9	65.0
8/25/2015	10:16	48.2	48.7	47.8	51.7	52.2	51.6	52.5	53.0	52.3	57.8	58.1	57.4
8/25/2015	10:18	43.0	43.9	42.3	47.5	47.8	47.4	47.4	47.6	47.3	55.7	55.9	55.5
8/25/2015	10:20	41.9	42.8	41.1	49.7	50.0	49.2	51.4	51.8	51.0	58.5	58.9	58.1
8/25/2015	10:22	45.0	45.4	44.6	56.2	56.6	55.8	58.5	58.9	58.1	63.7	64.1	63.3
8/25/2015	10:24	42.2	42.5	42.0	53.1	53.3	52.8	54.6	54.9	54.4	63.4	63.6	63.2
8/25/2015	10:26	46.6	47.3	45.9	58.6	59.0	58.2	60.7	61.0	60.3	66.5	66.9	66.1
8/25/2015	10:28	43.5	43.8	43.1	56.2	56.6	55.7	59.3	59.8	58.9	66.5	66.9	66.1
8/25/2015	10:30	46.6	47.0	46.2	57.8	58.3	57.4	59.2	59.6	58.9	65.4	65.7	65.1
8/25/2015	10:32	45.1	45.6	44.6	57.9	58.4	57.4	60.9	61.3	60.5	66.1	66.6	65.7
8/25/2015	10:34	42.7	43.2	42.2	52.9	53.3	52.5	54.0	54.4	53.7	64.6	64.9	64.4
8/25/2015	10:36	42.1	42.6	41.7	52.8	53.2	52.4	53.3	53.7	52.9	62.2	62.7	61.8
8/25/2015	10:38	46.9	47.4	46.5	57.8	58.4	57.2	59.6	60.2	59.0	67.4	67.8	66.7
8/25/2015	10:40	42.6	42.9	42.3	49.8	50.3	49.6	53.4	54.1	52.8	63.2	64.0	63.0
8/25/2015	10:42	41.7	42.0	41.3	51.6	52.0	51.3	53.9	54.3	53.6	64.6	65.3	64.0
8/25/2015	10:44	41.5	41.7	41.3	52.4	52.6	52.0	54.4	54.8	54.1	61.7	62.0	61.4
8/25/2015	10:46	45.5	45.9	45.0	57.8	58.2	57.4	60.1	60.5	59.8	66.4	66.8	66.1
8/25/2015	10:48	43.7	44.4	43.0	52.6	53.0	52.2	56.9	57.1	56.5	65.3	65.4	64.8
8/25/2015	10:50	46.4	46.8	45.9	60.0	60.4	59.4	62.6	63.1	62.2	70.5	70.9	70.0
8/25/2015	10:52	52.0	53.5	50.1	57.4	57.7	57.0	59.5	59.9	59.1	65.8	66.1	65.4
8/25/2015	10:54	49.3	50.5	48.5	52.9	53.3	52.6	54.6	55.0	54.2	62.2	62.6	61.8
8/25/2015	10:56	47.4	48.2	46.8	57.3	57.7	56.9	59.7	60.2	59.3	65.8	66.2	65.5
8/25/2015	10:58	49.5	50.8	48.3	53.5	54.0	52.9	55.4	55.7	54.6	65.7	66.1	65.0
8/25/2015	11:00	45.3	45.7	44.9	57.1	57.7	56.7	58.5	59.1	58.1	62.0	62.9	62.3
8/25/2015	11:02	45.1	45.9	44.3	44.5	44.8	44.3	45.7	45.9	45.5	54.2	54.4	53.9
8/25/2015	11:04	46.0	46.5	45.5	46.4	46.7	46.0	46.5	46.7	46.2	57.6	57.8	57.2
8/25/2015	11:06	45.9	46.8	45.1	56.6	56.7	56.0	57.6	57.7	56.9	69.1	69.4	68.7
8/25/2015	11:08	51.8	52.7	50.6	56.3	56.9	56.2	57.9	58.5	57.6	65.3	65.6	65.0
8/25/2015	11:10	48.9	49.7	48.0	57.5	58.1	56.8	59.0	59.5	58.4	69.0	69.4	68.6
8/25/2015	11:12	48.4	49.1	47.6	58.4	58.8	57.9	60.3	60.8	59.8	69.5	69.9	69.1
8/25/2015	11:14	44.1	44.8	43.5	51.4	51.9	51.1	53.2	53.8	52.8	65.3	65.8	64.9
8/25/2015	11:16	43.6	44.3	43.0	58.6	58.9	57.8	59.8	60.2	59.2	71.9	72.4	71.2
8/25/2015	11:18	45.8	46.4	45.2	55.2	56.0	55.2	56.0	56.7	55.9	66.8	67.2	66.4
8/25/2015	11:20	43.2	43.6	42.9	54.3	54.8	53.7	55.9	56.5	55.4	71.8	72.4	71.2
8/25/2015	11:22	44.5	44.9	44.2	53.9	54.5	53.3	54.2	54.7	53.6	66.8	67.3	66.2
8/25/2015	11:24	42.5	43.0	42.0	50.7	51.2	50.3	53.2	53.7	52.8	67.5	68.0	67.0
8/25/2015	11:26	42.5	43.0	41.9	50.4	50.9	50.1	53.4	53.8	53.0	67.0	67.6	66.5
8/25/2015	11:28	45.7	47.1	44.3	51.2	51.9	50.4	54.3	55.4	53.1	68.7	69.3	67.9
8/25/2015	11:30	47.8	48.8	46.7	56.0	56.5	55.4	57.9	58.6	57.3	69.3	70.2	68.5
8/25/2015	11:32	46.5	47.4	45.4	45.9	46.2	45.5	46.3	46.6	45.8	56.9	57.0	56.2
8/25/2015	11:34	44.8	45.7	44.1	51.1	52.0	50.1	52.6	53.5	51.7	67.3	67.9	66.5
8/25/2015	11:36	42.7	43.5	41.8	51.0	51.3	50.6	54.0	54.4	53.7	68.2	68.6	67.9
8/25/2015	11:38	47.4	48.5	46.2	52.7	53.3	52.0	55.7	56.3	55.0	67.2	67.7	66.7
8/25/2015	11:40	47.4	47.9	46.8	57.8	58.1	57.4	60.2	60.5	59.9	69.7	70.0	69.3
8/25/2015	11:42	50.2	50.8	49.5	57.5	57.9	57.0	59.7	60.2	59.3	70.4	70.9	70.0
8/25/2015	11:44	44.4	44.8	44.1	57.3	57.7	56.9	59.6	59.9	59.1	69.9	70.3	69.6
8/25/2015	11:46	48.4	48.8	47.9	53.6	54.3	53.3	54.2	54.9	54.0	62.4	62.8	62.0
8/25/2015	11:48	49.1	49.4	48.7	53.1	53.0	52.1	56.5	56.5	55.7	66.3	66.6	66.0
8/25/2015	11:50	44.1	44.5	43.7	54.3	55.1	54.1	56.0	56.8	55.8	65.8	66.2	65.2
8/25/2015	11:52	46.1	46.7	45.6	57.0	57.4	56.5	59.1	59.5	58.6	67.0	67.3	66.6
8/25/2015	11:54	47.4	47.9	46.9	58.1	58.5	57.6	60.7	61.1	60.3	67.2	67.6	66.9
8/25/2015	11:56	49.7	50.3	49.0	56.3	56.9	55.9	58.9	59.3	58.4	65.7	66.1	65.3
8/25/2015	11:58	47.7	48.2	47.3	45.2	45.6	44.9	45.3	45.5	45.1	53.8	54.2	53.6
8/25/2015	12:00	47.1	48.0	46.2	42.9	43.2	42.7	44.4	44.6	44.3	52.6	52.9	52.3
8/25/2015	12:02	44.8	45.4	44.4	46.1	46.6	45.6	47.2	47.7	46.7	57.7	58.4	57.2

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/25/2015	12:04	49.3	50.5	48.3	46.6	46.8	46.3	48.7	48.9	48.3	58.1	58.2	57.8
8/25/2015	12:06	46.3	47.8	44.4	54.6	55.0	54.1	57.5	57.9	57.1	65.2	65.6	64.7
8/25/2015	12:08	45.9	46.3	45.3	56.2	56.6	55.8	57.6	58.0	57.1	69.4	70.2	68.8
8/25/2015	12:10	50.0	50.9	49.1	57.3	57.9	56.7	60.0	60.5	59.4	69.7	70.1	69.1
8/25/2015	12:12	43.4	43.8	43.0	54.0	54.2	53.5	58.4	58.8	57.7	68.8	69.1	68.3
8/25/2015	12:14	47.1	47.4	46.9	58.4	58.8	58.0	61.4	61.9	61.0	69.5	69.9	69.2
8/25/2015	12:16	44.5	44.8	44.0	56.9	57.4	56.4	60.3	60.8	59.7	68.7	69.1	68.4
8/25/2015	12:18	58.5	59.3	57.7	60.7	61.4	59.8	62.3	63.0	61.6	68.8	69.2	68.4
8/25/2015	12:20	45.7	46.2	45.3	50.5	51.2	49.9	51.9	53.3	51.5	62.7	63.7	62.0
8/25/2015	12:22	50.1	50.7	49.3	50.2	50.7	49.7	53.4	54.0	52.9	65.9	66.8	65.2
8/25/2015	12:24	42.5	42.8	42.3	44.8	45.0	44.6	49.1	49.3	48.9	59.5	59.7	59.4
8/25/2015	12:26	42.7	43.5	41.8	45.6	45.9	45.4	48.8	49.1	48.6	59.9	60.1	59.7
8/25/2015	12:28	44.8	45.3	44.3	50.6	51.2	50.0	53.1	53.6	52.5	66.1	66.7	65.4
8/25/2015	12:30	43.0	43.4	42.6	61.0	61.5	60.4	60.1	60.4	59.5	69.6	70.3	68.9
8/25/2015	12:32	43.3	43.9	42.8	57.5	58.0	56.9	62.2	63.0	61.5	67.4	68.0	66.7
8/25/2015	12:34	44.8	45.3	44.5	56.8	57.1	56.4	60.8	61.2	60.4	73.8	74.2	73.5
8/25/2015	12:36	43.2	43.5	42.9	56.3	56.6	56.0	61.4	61.7	61.0	74.0	74.2	73.7
8/25/2015	12:38	42.5	43.1	41.9	53.5	54.1	52.9	58.0	58.5	57.5	70.7	71.1	70.4
8/25/2015	12:40	44.1	44.2	43.7	60.6	61.0	60.3	64.1	64.4	63.7	71.7	72.3	71.1
8/25/2015	12:42	46.3	46.6	46.0	59.5	59.8	59.1	61.9	62.0	61.4	70.3	70.8	69.6
8/25/2015	12:44	46.7	47.0	46.3	58.4	58.8	58.2	60.8	61.4	60.6	65.2	65.5	64.9
8/25/2015	12:46	48.1	48.4	47.7	59.5	59.8	59.2	61.6	61.9	61.3	65.1	65.5	64.8
8/25/2015	12:48	48.8	49.2	48.3	66.7	67.6	65.8	70.4	71.0	69.5	64.9	65.5	64.4
8/25/2015	12:50	45.4	45.8	45.0	66.0	66.5	65.5	69.6	70.1	69.2	61.1	61.7	60.6
8/25/2015	12:52	45.2	45.7	44.9	58.8	59.2	58.3	63.2	63.6	62.6	71.2	71.6	70.8
8/25/2015	12:54	45.3	45.6	44.9	57.8	58.2	57.4	61.3	61.5	60.9	70.2	70.4	69.8
8/25/2015	12:56	47.4	47.8	46.9	55.6	56.1	55.2	58.5	59.1	58.2	66.1	67.0	65.9
8/25/2015	12:58	50.2	50.5	49.8	59.2	59.5	58.8	61.5	61.9	61.2	66.8	67.3	66.3
8/25/2015	13:00	50.7	51.1	50.2	59.1	59.5	58.8	61.4	61.8	61.1	68.4	69.2	67.6
8/25/2015	13:02	45.9	46.5	45.5	54.7	55.5	54.1	57.6	58.3	57.0	64.3	65.1	63.5
8/25/2015	13:04	44.2	44.6	43.8	54.1	54.6	53.3	57.3	57.9	56.5	70.6	71.4	69.7
8/25/2015	13:06	46.8	47.0	46.5	57.9	58.1	57.5	60.5	60.8	60.0	69.8	70.5	69.1
8/25/2015	13:08	50.4	50.9	50.0	58.5	58.9	58.2	61.2	61.7	60.8	70.1	70.9	69.4
8/25/2015	13:10	50.1	50.4	49.8	71.2	71.7	70.7	73.8	74.3	73.3	70.2	70.6	69.7
8/25/2015	13:12	50.9	51.3	50.5	65.8	66.2	65.3	69.1	69.7	68.5	67.1	67.5	66.6
8/25/2015	13:14	48.9	49.3	48.6	63.7	64.4	63.1	67.8	68.9	67.0	66.9	67.6	66.3
8/25/2015	13:16	48.4	48.9	47.9	64.8	65.4	64.2	68.0	68.7	67.4	69.0	69.5	68.5
8/25/2015	13:18	49.2	49.6	48.7	61.6	62.0	61.2	64.8	65.3	64.3	67.7	68.2	67.3
8/25/2015	13:20	50.5	50.9	50.2	58.1	58.5	57.9	61.0	61.4	60.7	71.3	72.0	70.4
8/25/2015	13:22	48.5	48.7	48.2	61.5	61.8	61.1	63.0	63.3	62.6	70.6	70.8	70.3
8/25/2015	13:24	47.1	47.6	46.5	59.8	60.3	59.4	62.6	62.9	62.2	69.5	69.9	69.1
8/25/2015	13:26	49.6	50.1	49.2	60.1	60.6	59.7	62.1	62.5	61.8	68.2	68.9	67.5
8/25/2015	13:28	44.4	44.6	44.1	58.7	59.2	58.2	60.3	60.5	59.9	64.9	65.3	64.6
8/25/2015	13:30	50.7	51.1	50.3	61.6	61.7	60.7	65.5	65.7	64.9	66.4	66.9	66.0
8/25/2015	13:32	47.5	47.8	47.3	67.7	68.7	66.9	69.6	70.4	68.6	66.9	67.2	66.6
8/25/2015	13:34	46.1	46.5	45.9	64.5	65.5	63.7	64.0	64.6	63.4	64.2	64.5	64.0
8/25/2015	13:36	45.6	45.9	45.2	65.4	66.3	64.0	68.1	69.0	67.1	63.7	63.9	63.5
8/25/2015	13:38	46.6	47.0	46.1	66.0	66.9	65.3	71.1	72.1	70.1	67.2	67.8	66.5
8/25/2015	13:40	49.4	49.9	49.1	68.1	68.6	67.5	66.0	66.6	65.7	68.1	68.5	67.6
8/25/2015	13:42	55.3	55.4	55.1	60.4	61.1	59.7	62.8	63.4	62.2	66.9	67.3	66.6
8/25/2015	13:44	52.2	52.5	52.1	66.1	66.8	65.4	69.6	70.5	68.4	67.8	68.2	67.4
8/25/2015	13:46	49.3	49.7	48.8	63.9	64.2	63.6	65.1	65.5	64.7	69.5	70.1	68.7
8/25/2015	13:48	50.5	50.9	50.1	63.8	64.2	63.5	65.5	65.8	65.3	68.4	69.1	67.9
8/25/2015	13:50	50.7	51.1	50.4	57.4	57.4	56.6	66.2	66.6	65.8	66.8	67.5	66.1
8/25/2015	13:52	48.0	48.3	47.3	---	---	---	63.6	63.8	63.3	66.2	67.0	65.2
8/25/2015	13:54	47.9	48.5	47.7	---	---	---	61.9	62.3	61.6	68.1	69.0	67.2
8/25/2015	13:56	46.7	47.1	46.2	---	---	---	62.0	62.4	61.6	68.1	68.9	67.2
8/25/2015	13:58	50.4	50.8	49.9	56.9	57.8	56.3	64.7	65.0	64.4	66.8	67.5	66.0
8/25/2015	14:00	48.0	49.1	47.2	61.9	63.5	60.4	61.2	61.8	60.6	67.3	67.8	66.7
8/25/2015	14:02	49.9	50.2	49.2	63.9	64.2	63.6	65.3	65.7	64.9	66.4	66.9	65.8
8/25/2015	14:04	46.0	46.9	45.9	60.0	60.4	59.5	57.0	57.3	56.9	66.5	66.9	66.0
8/25/2015	14:06	48.7	49.2	48.3	63.6	63.9	63.3	---	---	---	68.9	69.7	68.0
8/25/2015	14:08	48.7	49.3	48.1	62.2	62.5	61.8	---	---	---	66.5	67.2	65.7
8/25/2015	14:10	45.4	45.7	45.0	59.7	60.1	59.4	---	---	---	67.8	68.7	67.0
8/25/2015	14:12	45.0	45.4	44.7	59.6	59.8	59.3	---	---	---	68.3	68.7	67.8
8/25/2015	14:14	43.7	44.0	43.5	60.6	61.0	60.2	---	---	---	65.9	66.5	65.3
8/25/2015	14:16	49.2	49.7	48.8	63.8	64.2	63.4	---	---	---	66.2	66.8	65.6

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/25/2015	14:18	44.4	44.7	44.1	58.6	58.9	58.2	---	---	---	68.3	68.8	67.9
8/25/2015	14:20	50.1	50.3	49.6	64.7	65.0	64.4	65.3	65.7	64.9	67.7	68.2	67.4
8/25/2015	14:22	47.2	47.9	47.1	60.2	60.4	59.9	62.6	62.9	62.3	66.4	66.9	65.9
8/25/2015	14:24	50.9	51.3	50.4	65.1	65.4	64.8	66.4	66.7	66.1	67.5	68.0	66.9
8/25/2015	14:26	50.0	50.3	49.6	64.2	64.5	63.9	66.0	66.3	65.7	66.3	67.0	65.5
8/25/2015	14:28	47.1	47.5	46.7	58.7	59.1	58.5	60.7	61.1	60.4	60.7	61.2	60.3
8/25/2015	14:30	47.2	47.7	46.8	59.5	59.7	59.1	61.8	62.2	61.4	69.8	70.2	69.4
8/25/2015	14:32	49.1	49.6	48.6	63.0	63.3	62.7	65.1	65.5	64.7	67.0	67.7	66.2
8/25/2015	14:34	50.0	50.5	49.5	63.3	63.6	63.0	64.4	64.8	64.0	63.4	64.0	62.9
8/25/2015	14:36	41.7	42.1	41.4	49.7	50.1	49.3	51.8	52.2	51.5	55.0	55.5	54.6
8/25/2015	14:38	40.5	40.8	40.3	46.7	47.0	46.3	49.6	50.1	49.0	52.3	52.7	51.9
8/25/2015	14:40	42.3	42.3	41.8	49.0	49.2	48.6	51.3	51.6	50.8	57.4	57.7	56.8
8/25/2015	14:42	47.1	47.6	46.7	55.1	55.5	54.6	59.6	60.6	58.1	65.9	66.2	65.4
8/25/2015	14:44	44.8	45.2	44.4	57.2	57.5	56.8	60.3	60.6	59.9	65.1	65.5	65.0
8/25/2015	14:46	46.7	47.0	46.3	62.7	62.9	62.2	64.7	65.1	64.1	67.4	67.7	66.8
8/25/2015	14:48	51.1	51.5	50.7	62.4	62.9	62.3	64.0	64.4	63.9	69.4	70.0	69.1
8/25/2015	14:50	50.4	51.0	49.9	65.2	65.5	64.9	66.1	66.4	65.7	68.0	68.4	67.6
8/25/2015	14:52	51.6	52.2	51.0	64.8	65.2	64.5	66.3	66.5	66.0	66.8	67.2	66.5
8/25/2015	14:54	46.8	47.2	46.6	60.9	61.2	60.6	63.9	64.2	63.6	67.2	67.6	66.7
8/25/2015	14:56	44.8	45.2	44.3	61.1	61.4	60.7	62.8	63.1	62.5	66.3	66.8	65.9
8/25/2015	14:58	47.7	48.1	47.3	63.8	64.1	63.5	65.4	65.8	65.1	66.4	67.1	65.8
8/25/2015	15:00	50.7	51.2	50.1	64.5	64.8	64.2	66.2	66.5	65.9	68.7	69.2	68.2
8/25/2015	15:02	50.6	51.2	49.9	64.8	65.1	64.5	66.1	66.4	65.7	65.3	65.7	64.8
8/25/2015	15:04	50.1	50.7	49.7	59.5	59.9	59.3	62.2	62.5	61.9	66.5	66.9	66.1
8/25/2015	15:06	51.7	52.2	51.2	64.2	64.5	63.8	65.4	65.8	65.0	62.3	63.2	61.6
8/25/2015	15:08	42.4	43.0	42.1	51.9	52.2	51.5	54.8	55.2	54.4	55.7	56.5	54.6
8/25/2015	15:10	43.6	43.9	43.3	52.5	52.9	52.3	55.1	55.4	54.9	57.7	58.1	57.4
8/25/2015	15:12	46.7	47.1	46.3	52.6	53.1	51.9	54.9	55.6	54.2	58.1	58.7	57.4
8/25/2015	15:14	49.4	49.8	49.0	63.4	64.2	62.6	67.1	67.8	66.5	65.9	66.5	65.3
8/25/2015	15:16	48.0	48.2	47.7	60.1	60.3	59.8	62.7	63.0	62.5	68.8	69.2	68.5
8/25/2015	15:18	50.6	51.0	50.2	64.5	64.8	64.2	66.2	66.6	65.9	68.2	68.7	67.7
8/25/2015	15:20	51.8	52.3	51.2	64.8	65.1	64.4	66.9	67.3	66.5	68.3	68.9	67.8
8/25/2015	15:22	47.6	48.1	47.2	62.3	62.4	61.8	65.2	65.3	64.8	67.1	67.6	66.7
8/25/2015	15:24	51.5	52.0	51.0	63.5	64.0	63.3	66.1	66.4	65.9	67.1	67.6	66.7
8/25/2015	15:26	51.2	51.7	50.8	64.9	65.3	64.6	67.1	67.5	66.8	65.4	66.1	64.8
8/25/2015	15:28	52.1	52.5	51.6	64.1	64.5	63.7	65.8	66.3	65.4	62.2	62.7	61.6
8/25/2015	15:30	52.5	52.8	52.1	59.8	60.2	59.6	62.3	62.7	62.0	58.4	58.7	58.0
8/25/2015	15:32	46.8	47.6	46.2	52.6	52.8	52.4	56.4	56.7	56.2	55.8	56.0	55.6
8/25/2015	15:34	48.0	49.1	47.0	56.7	57.1	56.2	59.6	59.8	59.2	65.2	65.5	64.9
8/25/2015	15:36	54.5	55.7	53.1	61.0	61.8	60.4	63.5	63.9	63.2	65.0	65.4	64.6
8/25/2015	15:38	49.0	49.5	48.6	64.6	64.8	64.3	66.9	67.2	66.6	67.2	67.7	66.8
8/25/2015	15:40	58.4	58.9	57.9	64.5	64.9	64.2	67.0	67.4	66.6	66.9	67.4	66.6
8/25/2015	15:42	60.6	61.6	59.4	66.0	66.6	65.5	67.2	67.7	66.7	67.1	67.7	66.4
8/25/2015	15:44	69.0	71.1	67.0	69.5	70.9	68.5	72.2	73.9	70.6	70.5	71.5	69.4
8/25/2015	15:46	74.0	75.5	71.8	75.1	76.4	73.3	76.7	78.0	74.7	75.3	76.8	73.4
8/25/2015	15:48	75.0	76.4	73.0	74.9	76.3	73.5	75.2	76.7	73.2	74.4	76.0	73.2
8/25/2015	15:50	69.0	70.4	67.3	70.5	71.9	68.4	71.5	73.1	70.3	69.5	70.9	67.5
8/25/2015	15:52	59.5	59.7	59.2	63.0	64.0	62.2	62.3	63.4	61.3	65.4	66.6	64.0
8/25/2015	15:54	60.5	60.6	60.2	61.6	61.7	61.4	59.8	59.9	59.6	60.5	60.6	60.3
8/25/2015	15:56	77.3	78.8	73.8	78.3	79.8	74.6	78.6	80.2	74.6	78.0	80.7	75.9
8/25/2015	15:58	73.7	74.8	70.9	72.6	73.9	71.1	73.5	75.0	72.4	72.9	74.4	71.2
8/25/2015	16:00	68.4	69.8	66.8	68.8	70.1	67.1	68.9	70.1	67.2	69.5	70.8	67.9
8/25/2015	16:02	65.1	66.5	63.6	66.5	67.8	65.1	66.8	68.0	65.4	68.7	69.8	67.5
8/25/2015	16:04	68.3	69.6	66.8	69.8	71.1	68.1	67.8	69.2	66.3	68.7	69.9	66.8
8/25/2015	16:06	70.9	72.0	69.8	71.7	72.7	70.2	70.0	71.0	68.9	70.3	71.4	68.9
8/25/2015	16:08	61.4	61.7	60.9	64.9	65.6	64.3	60.6	61.2	59.9	60.3	60.9	59.6
8/25/2015	16:10	72.1	72.8	71.2	71.2	72.0	70.3	70.6	71.6	69.4	70.0	71.0	69.0
8/25/2015	16:12	72.1	72.8	71.4	72.7	73.4	71.9	71.1	72.1	70.3	70.4	71.5	69.3
8/25/2015	16:14	70.2	70.7	69.7	70.2	70.8	69.4	67.4	68.3	66.5	67.5	68.3	66.6
8/25/2015	16:16	70.3	71.1	69.5	71.0	71.9	70.2	70.2	71.2	69.0	69.5	70.5	68.4
8/25/2015	16:18	66.3	66.6	66.2	64.4	64.8	64.1	62.9	63.3	62.6	63.1	63.6	62.8
8/25/2015	16:20	64.4	64.8	64.0	66.2	68.4	64.7	62.8	63.6	62.2	62.2	62.7	61.4
8/25/2015	16:22	71.8	73.4	69.6	74.7	76.2	71.1	72.5	74.1	70.6	71.9	73.3	69.2
8/25/2015	16:24	68.2	69.6	66.1	69.2	70.8	67.8	70.3	71.9	68.1	67.9	69.3	65.9
8/25/2015	16:26	55.6	56.2	55.1	55.1	55.8	54.4	54.6	55.4	53.8	54.3	55.0	53.3
8/25/2015	16:28	56.0	56.8	55.1	56.2	57.2	55.1	56.3	57.3	55.3	55.7	56.7	54.5
8/25/2015	16:30	56.5	57.4	55.6	55.9	56.8	55.1	56.3	57.3	55.4	55.2	56.0	54.3

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/26/2015	7:00	46.3	46.8	45.8	45.1	45.5	44.6	---	---	---	45.6	46.0	45.1
8/26/2015	7:02	49.3	49.6	48.7	52.1	53.3	49.4	---	---	---	50.2	51.0	49.5
8/26/2015	7:04	45.6	46.5	45.2	56.9	57.7	56.4	---	---	---	56.5	56.9	56.1
8/26/2015	7:06	43.3	43.7	42.9	46.4	46.7	46.2	---	---	---	46.7	47.0	46.3
8/26/2015	7:08	41.6	42.0	41.2	46.6	46.8	46.4	---	---	---	50.1	50.4	49.7
8/26/2015	7:10	45.5	45.8	45.2	47.8	48.0	47.5	---	---	---	51.4	52.0	51.1
8/26/2015	7:12	47.6	48.1	47.0	58.1	58.4	57.7	---	---	---	66.8	67.0	66.5
8/26/2015	7:14	45.7	46.0	45.3	62.0	62.4	61.5	---	---	---	67.4	67.8	67.1
8/26/2015	7:16	45.4	46.2	44.7	59.5	59.9	59.1	---	---	---	68.8	69.0	68.6
8/26/2015	7:18	47.1	48.1	46.0	64.0	64.2	63.7	---	---	---	69.3	69.7	68.9
8/26/2015	7:20	48.8	49.3	48.5	65.3	65.6	65.0	---	---	---	68.0	68.2	67.8
8/26/2015	7:22	49.1	49.5	48.6	64.5	64.8	64.2	---	---	---	69.9	70.1	69.6
8/26/2015	7:24	48.3	48.7	47.9	65.1	65.4	64.8	---	---	---	67.7	68.0	67.5
8/26/2015	7:26	46.1	46.5	45.7	65.9	66.1	65.6	---	---	---	65.5	65.9	65.1
8/26/2015	7:28	47.0	47.6	46.4	63.9	64.1	63.6	---	---	---	62.4	63.0	61.8
8/26/2015	7:30	47.2	47.6	46.9	68.6	69.2	68.2	---	---	---	68.7	69.3	67.8
8/26/2015	7:32	44.5	45.1	43.9	62.1	62.3	61.7	---	---	---	72.9	73.6	72.1
8/26/2015	7:34	46.8	47.1	46.4	65.3	65.8	64.8	---	---	---	70.7	71.3	70.1
8/26/2015	7:36	46.4	46.5	44.7	69.7	70.2	69.2	---	---	---	69.2	69.6	68.8
8/26/2015	7:38	46.1	47.5	46.2	65.1	65.5	64.6	---	---	---	70.8	71.1	70.5
8/26/2015	7:40	46.7	47.1	46.3	68.1	68.6	67.6	---	---	---	72.6	73.2	72.2
8/26/2015	7:42	48.9	49.4	48.5	65.5	66.0	65.1	---	---	---	70.2	70.7	69.9
8/26/2015	7:44	48.7	49.1	48.4	65.2	65.5	64.9	---	---	---	73.0	73.5	72.4
8/26/2015	7:46	48.5	48.8	48.1	65.6	65.9	65.4	---	---	---	69.4	69.9	68.7
8/26/2015	7:48	47.7	48.1	47.3	65.1	65.4	64.8	---	---	---	66.5	66.8	66.3
8/26/2015	7:50	43.4	43.6	43.2	63.2	63.9	62.7	---	---	---	62.2	62.7	61.8
8/26/2015	7:52	42.1	42.5	41.8	58.2	58.7	57.8	---	---	---	66.0	66.4	65.6
8/26/2015	7:54	43.3	43.6	42.9	59.7	59.9	59.4	---	---	---	62.8	63.2	62.4
8/26/2015	7:56	46.5	46.8	46.1	60.9	61.1	60.6	---	---	---	66.2	66.6	65.8
8/26/2015	7:58	45.0	45.3	44.7	64.9	65.1	64.5	---	---	---	67.1	67.5	66.6
8/26/2015	8:00	46.9	47.5	46.5	63.9	64.1	63.6	---	---	---	68.1	68.5	67.7
8/26/2015	8:02	48.2	48.7	47.7	64.6	64.9	64.3	---	---	---	67.0	67.8	66.3
8/26/2015	8:04	45.6	46.0	45.3	64.4	64.8	64.2	---	---	---	63.0	63.9	62.4
8/26/2015	8:06	46.3	46.8	45.8	66.0	66.3	65.7	---	---	---	63.2	63.8	62.5
8/26/2015	8:08	45.2	45.8	44.6	61.3	61.6	61.0	---	---	---	63.4	63.8	63.0
8/26/2015	8:10	50.5	51.7	49.4	61.8	62.1	61.5	---	---	---	66.4	66.9	66.0
8/26/2015	8:12	54.3	56.6	51.7	65.6	65.9	65.3	---	---	---	67.3	67.8	66.8
8/26/2015	8:14	49.1	50.5	47.5	65.2	65.6	64.8	---	---	---	64.3	65.0	63.6
8/26/2015	8:16	48.1	49.6	46.4	61.9	62.2	61.5	---	---	---	64.6	65.1	64.0
8/26/2015	8:18	50.5	52.6	48.3	64.8	65.2	64.3	---	---	---	65.3	65.8	64.8
8/26/2015	8:20	44.2	45.0	43.4	64.5	65.0	64.0	---	---	---	69.9	70.2	69.6
8/26/2015	8:22	46.0	46.5	45.5	65.7	66.0	65.4	---	---	---	65.9	66.1	65.4
8/26/2015	8:24	48.9	49.4	48.4	65.7	66.5	64.6	---	---	---	68.7	69.7	68.0
8/26/2015	8:26	44.8	45.6	43.5	65.5	65.9	65.2	---	---	---	66.0	66.4	65.6
8/26/2015	8:28	49.5	50.0	49.1	67.7	68.1	67.4	---	---	---	66.8	67.0	66.5
8/26/2015	8:30	43.5	44.3	42.4	60.9	61.1	60.8	---	---	---	66.8	67.1	66.6
8/26/2015	8:32	43.0	43.8	42.1	65.4	66.2	64.4	---	---	---	67.5	67.8	67.2
8/26/2015	8:34	45.7	46.0	45.4	66.0	66.4	65.3	---	---	---	69.7	70.3	69.1
8/26/2015	8:36	45.8	46.5	45.3	62.4	62.7	62.1	---	---	---	69.3	69.8	68.9
8/26/2015	8:38	43.7	44.2	43.1	59.2	59.6	59.0	---	---	---	67.5	67.7	67.4
8/26/2015	8:40	41.4	41.6	41.2	61.3	61.6	61.0	---	---	---	68.4	68.8	67.9
8/26/2015	8:42	44.1	44.3	43.6	64.6	64.8	64.1	---	---	---	68.3	68.7	68.1
8/26/2015	8:44	45.0	45.7	44.7	66.3	67.0	65.7	---	---	---	68.0	68.2	67.8
8/26/2015	8:46	46.5	47.8	45.2	64.3	64.8	63.7	---	---	---	67.6	67.8	67.5
8/26/2015	8:48	44.0	44.4	43.5	69.6	70.4	68.8	---	---	---	72.4	72.8	71.3
8/26/2015	8:50	45.9	46.4	45.5	65.9	66.3	65.6	---	---	---	71.5	72.9	70.7
8/26/2015	8:52	45.5	45.8	45.2	55.0	55.1	54.9	---	---	---	65.0	65.1	64.9
8/26/2015	8:54	45.3	46.3	44.3	56.6	56.9	56.3	---	---	---	66.5	66.8	66.3
8/26/2015	8:56	45.7	46.4	45.1	55.9	56.0	55.8	---	---	---	64.1	64.2	64.1
8/26/2015	8:58	42.7	43.1	42.2	56.0	56.1	55.9	---	---	---	64.1	64.1	64.0
8/26/2015	9:00	43.4	44.4	42.4	55.8	55.9	55.7	---	---	---	64.1	64.2	64.0
8/26/2015	9:02	43.1	43.9	42.1	64.0	64.6	63.4	---	---	---	66.6	67.0	66.3
8/26/2015	9:04	43.8	44.5	43.3	64.1	64.4	63.9	---	---	---	70.1	70.9	69.4
8/26/2015	9:06	45.3	46.1	44.6	64.2	64.5	63.8	---	---	---	69.2	69.9	68.6
8/26/2015	9:08	45.7	46.3	45.2	66.4	67.0	65.9	---	---	---	70.2	70.8	69.7
8/26/2015	9:10	46.6	47.3	45.8	66.9	67.4	66.3	---	---	---	68.7	69.2	68.3
8/26/2015	9:12	46.4	47.1	45.4	69.5	70.2	68.6	---	---	---	69.8	70.6	68.9

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/26/2015	9:14	44.7	45.2	44.2	68.2	68.9	67.5	---	---	---	71.8	72.6	71.1
8/26/2015	9:16	47.1	47.5	46.6	64.8	65.4	64.2	---	---	---	67.8	68.1	67.5
8/26/2015	9:18	42.9	43.4	42.4	68.5	69.3	67.7	---	---	---	68.5	68.6	68.0
8/26/2015	9:20	42.7	42.9	42.0	62.3	62.5	62.0	---	---	---	71.5	72.0	71.0
8/26/2015	9:22	45.7	46.3	45.3	60.6	60.9	60.4	---	---	---	71.3	71.8	70.9
8/26/2015	9:24	47.0	47.5	46.5	66.0	66.6	65.3	---	---	---	74.1	74.8	73.4
8/26/2015	9:26	44.5	45.0	44.0	65.6	66.2	65.0	---	---	---	70.2	70.8	69.6
8/26/2015	9:28	44.1	44.4	43.8	65.5	66.0	65.0	---	---	---	70.0	70.5	69.5
8/26/2015	9:30	44.6	45.1	44.1	67.4	68.3	66.2	---	---	---	67.3	68.0	66.7
8/26/2015	9:32	45.0	45.5	44.6	67.9	68.8	66.9	---	---	---	65.1	65.7	64.2
8/26/2015	9:34	45.7	46.5	45.0	69.3	70.5	68.1	---	---	---	65.8	66.6	65.1
8/26/2015	9:36	46.5	47.1	45.9	66.0	66.5	65.5	---	---	---	66.2	66.7	65.7
8/26/2015	9:38	47.2	48.5	45.9	63.6	63.9	63.3	---	---	---	64.3	64.8	63.8
8/26/2015	9:40	41.7	42.2	41.4	64.9	65.0	64.5	---	---	---	64.1	64.7	63.4
8/26/2015	9:42	47.1	47.6	46.5	65.7	66.1	65.5	---	---	---	70.6	71.0	70.1
8/26/2015	9:44	45.9	47.6	44.5	69.3	69.8	68.8	---	---	---	68.7	69.2	68.3
8/26/2015	9:46	53.8	56.1	51.8	67.2	67.7	66.9	---	---	---	67.2	67.6	66.7
8/26/2015	9:48	49.5	51.2	48.0	66.2	66.6	65.8	---	---	---	62.6	63.2	62.1
8/26/2015	9:50	43.3	43.8	42.9	70.6	71.5	69.7	---	---	---	64.0	64.3	63.5
8/26/2015	9:52	45.0	45.4	44.6	65.9	66.7	65.2	---	---	---	67.3	67.7	66.9
8/26/2015	9:54	43.8	45.1	43.0	66.3	67.0	65.6	---	---	---	65.6	66.3	65.0
8/26/2015	9:56	49.1	49.9	47.9	68.0	68.5	67.6	---	---	---	67.3	67.8	66.9
8/26/2015	9:58	47.4	47.9	46.9	68.2	68.5	67.8	---	---	---	63.2	63.8	62.7
8/26/2015	10:00	44.4	45.4	43.4	60.1	60.4	59.9	---	---	---	66.6	67.3	65.8
8/26/2015	10:02	43.5	43.9	43.1	61.9	62.2	61.7	---	---	---	69.1	69.7	68.4
8/26/2015	10:04	42.0	42.3	41.6	66.7	66.7	65.8	---	---	---	68.9	69.2	68.6
8/26/2015	10:06	48.6	49.1	48.1	67.7	68.4	67.7	---	---	---	65.5	66.0	65.1
8/26/2015	10:08	46.4	46.8	45.9	65.2	65.5	64.9	---	---	---	66.2	66.7	65.7
8/26/2015	10:10	46.7	47.1	46.1	66.2	66.6	65.8	---	---	---	65.5	66.1	64.9
8/26/2015	10:12	45.9	46.3	45.6	65.5	65.7	65.2	---	---	---	66.7	67.1	66.2
8/26/2015	10:14	45.6	46.0	45.3	64.0	64.2	63.7	---	---	---	61.7	62.3	61.1
8/26/2015	10:16	46.0	46.9	45.4	65.0	65.6	64.0	---	---	---	64.4	65.6	62.6
8/26/2015	10:18	46.4	46.7	46.0	66.1	66.4	65.8	---	---	---	66.7	67.6	65.8
8/26/2015	10:20	44.8	45.3	44.2	61.9	62.4	61.6	---	---	---	64.3	65.0	63.7
8/26/2015	10:22	41.1	41.3	40.8	63.2	63.4	62.9	---	---	---	69.5	69.9	69.0
8/26/2015	10:24	43.7	44.0	43.4	66.1	66.4	65.8	---	---	---	67.0	67.5	66.5
8/26/2015	10:26	42.2	42.5	41.9	64.9	65.2	64.5	---	---	---	65.0	65.7	64.3
8/26/2015	10:28	45.4	45.7	45.0	65.9	66.4	65.5	---	---	---	62.0	62.7	61.4
8/26/2015	10:30	48.8	49.3	48.3	62.9	63.4	62.6	---	---	---	63.8	64.3	63.3
8/26/2015	10:32	42.9	43.2	42.6	62.9	63.2	62.6	---	---	---	67.9	68.1	67.5
8/26/2015	10:34	45.9	46.4	45.4	66.3	66.7	66.0	---	---	---	64.8	65.5	64.4
8/26/2015	10:36	48.0	48.4	47.6	66.6	66.9	66.4	---	---	---	61.9	62.6	61.2
8/26/2015	10:38	42.7	43.0	42.5	62.1	62.3	61.7	---	---	---	65.8	66.0	65.4
8/26/2015	10:40	48.1	48.6	47.6	65.6	65.9	65.4	---	---	---	65.3	65.9	64.8
8/26/2015	10:42	44.2	44.6	43.7	65.1	65.4	64.7	---	---	---	61.9	62.4	61.5
8/26/2015	10:44	42.0	42.4	41.7	59.3	60.9	57.9	---	---	---	56.4	56.6	56.0
8/26/2015	10:46	42.3	43.1	41.5	63.1	64.2	61.8	---	---	---	65.6	66.1	65.1
8/26/2015	10:48	48.9	49.8	48.0	65.5	66.2	64.8	---	---	---	65.7	66.0	65.3
8/26/2015	10:50	51.4	52.7	49.8	67.8	68.9	66.7	---	---	---	63.5	64.2	62.6
8/26/2015	10:52	53.6	54.5	52.8	68.3	69.1	67.7	---	---	---	67.7	68.2	67.3
8/26/2015	10:54	50.0	50.4	49.6	66.4	66.6	66.2	---	---	---	67.5	67.8	67.1
8/26/2015	10:56	49.2	49.5	48.8	67.2	67.5	66.9	---	---	---	67.2	67.8	66.8
8/26/2015	10:58	47.6	48.0	47.1	58.5	58.7	58.2	---	---	---	64.0	64.5	63.5
8/26/2015	11:00	43.8	44.1	43.5	---	---	---	---	---	---	61.3	62.0	60.6
8/26/2015	11:02	46.7	47.5	45.7	---	---	---	---	---	---	64.8	65.6	63.8
8/26/2015	11:04	48.9	49.5	48.2	---	---	---	---	---	---	62.8	63.5	61.8
8/26/2015	11:06	50.8	51.4	50.1	---	---	---	---	---	---	66.4	66.8	65.7
8/26/2015	11:08	48.8	49.3	48.3	---	---	---	---	---	---	68.9	69.3	68.6
8/26/2015	11:10	52.6	53.2	52.0	66.7	67.2	66.2	---	---	---	64.9	65.6	64.2
8/26/2015	11:12	49.4	49.9	48.8	70.0	70.7	69.3	---	---	---	66.9	67.4	66.4
8/26/2015	11:14	47.4	48.0	47.1	66.7	67.9	66.0	---	---	---	66.4	66.9	65.8
8/26/2015	11:16	46.7	47.2	46.3	64.6	65.0	64.3	---	---	---	61.3	62.2	61.1
8/26/2015	11:18	42.9	43.2	42.6	60.8	61.1	60.5	---	---	---	64.8	65.1	64.4
8/26/2015	11:20	45.9	46.3	45.5	64.3	64.5	63.9	---	---	---	66.7	67.4	66.0
8/26/2015	11:22	50.6	51.2	50.1	65.3	65.8	64.8	---	---	---	69.2	69.8	68.4
8/26/2015	11:24	49.8	50.3	49.4	69.3	69.6	68.9	---	---	---	71.8	72.4	71.3
8/26/2015	11:26	52.7	53.2	52.1	75.3	75.8	74.7	67.9	68.6	67.6	70.8	71.5	70.0

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/26/2015	11:28	51.8	52.3	51.3	69.5	70.0	69.2	68.4	69.0	67.9	68.7	69.8	67.4
8/26/2015	11:30	52.6	53.0	52.0	68.5	68.9	68.2	70.0	70.5	69.5	69.0	70.0	68.1
8/26/2015	11:32	52.3	52.8	51.9	67.1	67.5	66.7	68.0	68.5	67.5	67.1	68.2	65.8
8/26/2015	11:34	48.3	48.7	47.7	65.9	66.6	65.4	69.0	69.7	68.4	---	---	---
8/26/2015	11:36	50.5	51.1	49.9	63.7	64.3	63.0	66.6	67.1	66.1	---	---	---
8/26/2015	11:38	49.8	50.3	49.3	65.0	65.6	64.3	66.4	67.2	65.6	---	---	---
8/26/2015	11:40	50.0	50.3	49.6	64.3	65.1	63.5	66.3	67.0	65.6	---	---	---
8/26/2015	11:42	48.4	48.9	48.1	65.7	66.1	65.3	67.7	68.2	67.1	---	---	---
8/26/2015	11:44	51.4	52.0	50.9	67.5	67.8	67.1	68.9	69.4	68.3	---	---	---
8/26/2015	11:46	50.8	51.1	50.4	67.4	67.7	67.1	68.3	68.8	67.8	---	---	---
8/26/2015	11:48	51.5	51.9	51.1	65.7	66.0	65.4	66.6	66.9	66.4	---	---	---
8/26/2015	11:50	50.2	50.7	49.7	66.0	66.4	65.7	67.3	67.6	66.9	---	---	---
8/26/2015	11:52	49.0	49.6	48.1	66.0	66.8	65.3	68.2	68.8	67.4	---	---	---
8/26/2015	11:54	49.3	49.7	49.0	69.3	69.9	68.8	68.6	69.2	68.1	---	---	---
8/26/2015	11:56	47.6	48.1	47.1	65.9	67.1	65.0	66.5	67.3	65.7	---	---	---
8/26/2015	11:58	48.9	49.6	48.1	64.8	65.5	64.0	68.3	69.0	67.5	---	---	---
8/26/2015	12:00	54.9	55.7	53.9	77.8	78.4	77.0	71.3	72.1	70.3	---	---	---
8/26/2015	12:02	54.0	54.5	53.0	76.1	76.8	75.4	72.5	73.1	71.9	---	---	---
8/26/2015	12:04	53.7	54.5	53.4	77.7	78.4	77.0	70.5	71.1	69.9	---	---	---
8/26/2015	12:06	51.5	52.1	51.0	79.2	79.8	78.6	71.7	72.4	71.0	---	---	---
8/26/2015	12:08	51.9	52.4	51.5	66.3	66.9	65.7	68.6	69.2	68.0	---	---	---
8/26/2015	12:10	53.6	54.0	53.1	74.3	75.0	73.6	71.3	72.1	70.6	---	---	---
8/26/2015	12:12	51.7	52.1	51.2	65.3	66.1	64.6	68.6	69.3	67.7	---	---	---
8/26/2015	12:14	46.4	46.8	46.0	61.9	62.8	61.1	64.6	65.4	63.7	---	---	---
8/26/2015	12:16	46.8	47.3	46.3	61.0	62.0	59.7	64.5	65.8	63.2	---	---	---
8/26/2015	12:18	51.2	51.7	50.8	65.0	65.9	64.1	68.5	69.3	67.5	---	---	---
8/26/2015	12:20	51.9	52.4	51.5	66.0	66.5	65.4	68.9	69.6	68.2	---	---	---
8/26/2015	12:22	52.0	52.4	51.6	65.2	65.6	64.9	69.5	70.1	68.8	---	---	---
8/26/2015	12:24	49.9	50.2	49.3	64.7	65.2	64.2	68.1	68.6	67.6	---	---	---
8/26/2015	12:26	51.0	51.3	50.6	67.0	67.6	66.3	69.9	70.5	69.3	---	---	---
8/26/2015	12:28	51.1	51.6	50.7	67.0	68.1	66.1	69.4	70.5	68.5	---	---	---
8/26/2015	12:30	52.6	53.0	52.2	65.7	66.6	64.8	68.0	69.0	66.9	---	---	---
8/26/2015	12:32	48.1	48.5	47.8	63.7	64.2	63.2	67.1	67.6	66.7	---	---	---
8/26/2015	12:34	49.5	50.3	48.4	65.2	66.1	64.2	66.7	67.5	65.8	---	---	---
8/26/2015	12:36	50.3	51.0	49.4	64.8	65.8	63.9	66.4	67.1	65.8	---	---	---
8/26/2015	12:38	52.6	53.0	52.2	65.4	66.0	64.8	66.0	66.5	65.5	---	---	---
8/26/2015	12:40	47.0	47.4	46.7	64.2	64.7	63.9	68.2	68.6	67.9	---	---	---
8/26/2015	12:42	59.6	60.2	58.3	65.4	65.8	65.0	67.7	68.2	67.2	---	---	---
8/26/2015	12:44	57.4	58.7	56.7	63.2	63.9	62.6	64.8	65.3	64.3	---	---	---
8/26/2015	12:46	50.7	51.7	50.4	62.0	62.9	61.2	63.7	64.7	62.8	---	---	---
8/26/2015	12:48	52.7	53.2	52.2	66.3	66.8	65.8	69.1	69.7	68.6	---	---	---
8/26/2015	12:50	52.0	52.4	51.6	64.1	64.5	63.7	66.8	67.3	66.4	---	---	---
8/26/2015	12:52	52.0	52.6	51.5	64.1	64.6	63.6	67.1	67.6	66.6	---	---	---
8/26/2015	12:54	52.2	52.4	51.8	67.5	67.9	67.2	70.8	71.3	70.5	---	---	---
8/26/2015	12:56	50.9	51.2	50.7	66.7	67.0	66.5	69.7	70.1	69.3	---	---	---
8/26/2015	12:58	50.9	51.2	50.7	67.8	68.1	67.6	69.8	70.1	69.5	---	---	---
8/26/2015	13:00	52.0	52.3	51.6	67.6	67.9	67.2	69.9	70.2	69.5	---	---	---
8/26/2015	13:02	51.8	52.2	51.5	68.1	68.4	67.7	70.8	71.3	70.3	---	---	---
8/26/2015	13:04	50.0	50.4	49.6	67.5	67.9	67.1	71.4	71.8	71.0	---	---	---
8/26/2015	13:06	52.2	52.5	51.9	67.7	68.0	67.4	70.2	70.6	69.8	---	---	---
8/26/2015	13:08	51.5	51.7	51.3	67.9	68.2	67.7	70.7	71.1	70.4	---	---	---
8/26/2015	13:10	51.2	51.6	50.8	66.4	66.7	66.1	70.0	70.5	69.6	---	---	---
8/26/2015	13:12	52.5	52.8	52.1	66.9	67.1	66.6	69.1	69.3	68.8	---	---	---
8/26/2015	13:14	53.0	53.7	52.3	66.3	66.7	66.0	69.2	69.6	68.8	---	---	---
8/26/2015	13:16	51.0	51.6	50.5	68.4	68.7	68.0	71.0	71.4	70.6	---	---	---
8/26/2015	13:18	52.4	52.9	51.9	68.0	68.3	67.6	70.3	70.7	70.0	---	---	---
8/26/2015	13:20	52.2	52.7	51.6	67.2	67.5	66.8	70.5	70.9	70.2	---	---	---
8/26/2015	13:22	53.1	54.0	52.3	66.7	67.0	66.4	70.7	71.3	70.3	---	---	---
8/26/2015	13:24	51.3	51.8	50.8	66.3	66.6	66.0	70.7	71.1	70.4	---	---	---
8/26/2015	13:26	49.5	50.1	49.0	66.2	66.5	65.9	69.0	69.3	68.8	---	---	---
8/26/2015	13:28	48.4	48.8	48.1	68.1	68.5	67.6	70.7	71.1	70.3	---	---	---
8/26/2015	13:30	51.3	51.6	50.8	73.9	74.9	73.1	69.8	70.3	69.3	---	---	---
8/26/2015	13:32	53.0	53.6	52.6	77.9	79.3	76.6	69.9	70.5	69.3	---	---	---
8/26/2015	13:34	51.6	51.9	51.4	76.6	77.8	75.4	71.5	72.0	70.9	---	---	---
8/26/2015	13:36	52.3	52.7	52.0	76.5	77.9	75.4	70.8	71.3	70.4	---	---	---
8/26/2015	13:38	51.8	52.2	51.4	71.7	72.2	71.3	71.6	72.1	71.0	---	---	---
8/26/2015	13:40	53.9	54.5	53.3	74.9	75.7	74.0	70.8	71.3	70.3	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/26/2015	13:42	52.1	52.6	51.6	72.7	72.9	72.6	71.3	71.8	70.6	---	---	---
8/26/2015	13:44	50.3	50.7	50.0	72.8	73.0	72.7	70.7	71.2	70.3	---	---	---
8/26/2015	13:46	46.3	46.5	46.0	71.6	72.3	70.8	72.3	72.8	71.7	---	---	---
8/26/2015	13:48	49.1	49.5	48.8	72.9	74.0	71.4	72.2	72.7	71.5	---	---	---
8/26/2015	13:50	47.9	48.1	47.6	68.6	68.9	68.3	72.2	72.8	71.7	---	---	---
8/26/2015	13:52	49.5	49.8	49.1	68.2	68.5	67.8	72.4	73.1	71.8	---	---	---
8/26/2015	13:54	50.4	51.1	49.8	67.2	67.6	66.8	71.4	72.0	70.7	---	---	---
8/26/2015	13:56	51.1	51.6	50.6	67.8	68.1	67.4	71.4	72.0	70.7	---	---	---
8/26/2015	13:58	51.3	51.7	50.8	68.0	68.3	67.7	71.4	71.8	70.9	---	---	---
8/26/2015	14:00	51.9	52.2	51.4	72.7	73.4	71.8	72.2	73.0	71.5	---	---	---
8/26/2015	14:02	51.5	52.2	51.1	70.7	71.3	70.2	72.0	72.7	71.3	---	---	---
8/26/2015	14:04	51.7	51.9	51.4	68.2	68.6	68.0	70.7	71.4	70.1	---	---	---
8/26/2015	14:06	45.9	46.6	45.3	66.0	66.2	65.6	68.9	69.4	68.4	---	---	---
8/26/2015	14:08	44.5	45.0	44.1	62.3	63.2	61.5	64.7	65.5	63.9	---	---	---
8/26/2015	14:10	45.2	45.7	44.7	57.2	57.3	57.1	62.9	63.0	62.7	---	---	---
8/26/2015	14:12	47.1	48.4	45.0	56.5	56.8	56.3	60.3	60.5	60.1	---	---	---
8/26/2015	14:14	29.8	30.0	29.3	57.4	57.6	57.3	61.0	61.3	60.8	---	---	---
8/26/2015	14:16	---	---	---	57.0	57.2	56.7	60.5	60.7	60.3	---	---	---
8/26/2015	14:18	---	---	---	59.4	59.9	59.0	61.4	61.7	61.2	---	---	---
8/26/2015	14:20	---	---	---	66.7	67.0	66.2	70.4	71.1	69.8	---	---	---
8/26/2015	14:22	---	---	---	67.3	67.7	66.9	69.3	69.8	68.8	---	---	---
8/26/2015	14:24	---	---	---	67.5	67.8	67.1	69.4	69.9	69.0	---	---	---
8/26/2015	14:26	---	---	---	66.9	67.2	66.7	68.8	69.3	68.4	---	---	---
8/26/2015	14:28	40.9	41.6	40.3	66.7	67.1	66.3	68.7	69.2	68.1	---	---	---
8/26/2015	14:30	53.4	54.9	52.3	66.4	66.8	66.0	68.8	69.2	68.4	---	---	---
8/26/2015	14:32	48.2	48.4	48.0	65.7	66.0	65.4	68.6	68.9	68.2	---	---	---
8/26/2015	14:34	47.1	47.4	46.9	65.5	65.8	65.1	67.8	68.1	67.4	---	---	---
8/26/2015	14:36	47.2	47.4	46.9	66.3	66.7	65.9	69.3	69.7	68.8	---	---	---
8/26/2015	14:38	50.4	50.8	49.7	67.1	67.4	66.8	68.8	69.2	68.4	---	---	---
8/26/2015	14:40	53.0	53.4	52.6	67.4	67.8	67.1	70.3	70.7	69.8	---	---	---
8/26/2015	14:42	50.9	51.2	50.6	67.3	67.7	67.0	71.2	71.7	70.5	---	---	---
8/26/2015	14:44	52.5	52.9	52.1	68.0	68.3	67.5	71.4	72.0	70.8	---	---	---
8/26/2015	14:46	48.6	49.1	48.2	68.4	68.8	68.1	72.8	73.4	72.1	---	---	---
8/26/2015	14:48	46.5	46.8	46.3	68.0	68.2	67.7	72.7	73.2	72.0	---	---	---
8/26/2015	14:50	49.4	50.0	48.9	67.9	68.2	67.7	71.3	71.7	70.9	---	---	---
8/26/2015	14:52	47.4	47.6	47.2	68.0	68.2	67.7	71.4	71.8	71.1	---	---	---
8/26/2015	14:54	48.0	48.3	47.6	68.0	68.3	67.7	70.5	70.8	70.2	---	---	---
8/26/2015	14:56	52.1	52.5	51.8	68.6	68.9	68.2	71.4	71.8	71.1	---	---	---
8/26/2015	14:58	49.4	49.8	49.1	67.2	67.5	66.9	69.9	70.4	69.5	---	---	---
8/26/2015	15:00	50.4	50.6	50.1	69.0	69.3	68.7	70.9	71.2	70.6	---	---	---
8/26/2015	15:02	50.9	51.2	50.6	67.0	67.2	66.7	69.5	69.8	69.2	---	---	---
8/26/2015	15:04	49.1	49.3	48.9	67.4	67.7	67.1	70.5	70.9	70.1	---	---	---
8/26/2015	15:06	47.1	47.4	46.8	68.7	69.0	68.3	70.8	71.1	70.4	---	---	---
8/26/2015	15:08	47.9	48.2	47.7	67.8	68.1	67.5	70.6	71.1	70.2	---	---	---
8/26/2015	15:10	49.1	49.4	48.9	69.0	69.3	68.6	71.4	71.9	71.0	---	---	---
8/26/2015	15:12	50.0	50.2	49.7	68.8	69.1	68.5	69.8	70.1	69.6	---	---	---
8/26/2015	15:14	50.8	51.1	50.5	68.6	68.9	68.3	70.1	70.3	69.8	---	---	---
8/26/2015	15:16	48.6	48.9	48.4	68.8	69.1	68.5	71.5	71.8	71.1	---	---	---
8/26/2015	15:18	53.3	54.0	52.3	69.2	69.4	68.8	72.0	72.4	71.6	---	---	---
8/26/2015	15:20	53.2	53.5	52.9	68.2	68.6	68.0	70.9	71.3	70.5	---	---	---
8/26/2015	15:22	54.8	55.6	53.9	67.6	67.9	67.4	70.4	70.8	70.0	---	---	---
8/26/2015	15:24	49.5	49.7	49.2	71.3	71.7	70.8	71.8	72.1	71.4	---	---	---
8/26/2015	15:26	53.2	53.8	52.2	68.2	68.5	67.8	71.7	72.0	71.3	---	---	---
8/26/2015	15:28	49.2	49.9	49.1	66.9	67.2	66.7	70.4	70.8	70.1	---	---	---
8/26/2015	15:30	50.5	50.9	50.2	67.2	67.5	67.0	70.8	71.2	70.4	---	---	---
8/26/2015	15:32	49.9	50.2	49.5	67.4	67.7	67.1	70.8	71.2	70.5	---	---	---
8/26/2015	15:34	51.5	52.6	50.6	68.0	68.6	67.6	70.7	71.1	70.3	---	---	---
8/26/2015	15:36	50.6	51.1	50.1	69.7	70.2	69.2	74.4	75.2	73.8	---	---	---
8/26/2015	15:38	51.7	52.1	51.3	69.6	69.9	69.4	72.3	72.6	72.0	---	---	---
8/26/2015	15:40	52.5	52.9	52.2	69.3	69.6	69.0	72.0	72.4	71.5	---	---	---
8/26/2015	15:42	49.3	49.6	49.1	68.0	68.4	67.7	71.7	72.2	71.2	---	---	---
8/26/2015	15:44	50.7	50.9	50.3	67.2	67.6	66.9	70.7	71.0	70.4	---	---	---
8/26/2015	15:46	50.7	51.2	50.3	67.0	67.3	66.7	70.5	70.7	70.2	---	---	---
8/26/2015	15:48	47.2	47.4	46.9	67.2	67.4	66.9	70.8	71.1	70.5	---	---	---
8/26/2015	15:50	50.0	51.3	48.8	68.1	68.5	67.9	71.8	72.1	71.4	---	---	---
8/26/2015	15:52	52.9	53.2	52.6	68.1	68.3	67.8	71.4	71.8	70.9	---	---	---
8/26/2015	15:54	50.7	51.0	50.4	68.8	69.0	68.4	71.6	71.9	71.1	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/26/2015	15:56	51.0	51.2	50.7	69.2	69.6	68.9	71.9	72.3	71.6	---	---	---
8/26/2015	15:58	51.2	51.7	50.8	67.6	68.1	67.3	70.5	71.1	70.0	---	---	---
8/26/2015	16:00	47.2	47.4	46.8	61.7	62.0	61.3	65.0	65.3	64.6	---	---	---
8/26/2015	16:02	49.6	50.1	49.3	61.8	62.1	61.5	65.3	65.7	65.0	---	---	---
8/26/2015	16:04	44.6	45.0	44.1	60.8	61.2	60.2	64.6	65.1	64.1	---	---	---
8/26/2015	16:06	49.0	49.6	48.3	64.6	64.9	64.2	68.2	68.7	67.8	---	---	---
8/26/2015	16:08	49.2	49.6	48.7	65.0	65.5	64.5	68.1	68.6	67.6	---	---	---
8/26/2015	16:10	47.5	48.0	47.0	64.5	64.9	64.1	68.3	68.8	67.8	---	---	---
8/26/2015	16:12	46.6	46.9	46.3	60.9	61.3	60.7	64.6	65.1	64.4	---	---	---
8/26/2015	16:14	46.2	46.9	45.6	58.3	58.7	57.9	62.6	63.0	62.0	---	---	---
8/26/2015	16:16	47.7	48.6	46.9	59.1	59.5	58.7	62.6	63.0	62.2	---	---	---
8/26/2015	16:18	43.4	43.7	43.2	59.4	59.7	59.0	63.9	64.4	63.4	---	---	---
8/26/2015	16:20	43.6	43.9	43.4	59.9	60.2	59.5	64.7	65.3	64.3	---	---	---
8/26/2015	16:22	44.5	44.9	44.3	59.6	59.8	59.3	64.8	65.0	64.6	---	---	---
8/26/2015	16:24	45.7	46.4	44.9	58.1	58.5	57.8	61.6	62.0	61.3	---	---	---
8/26/2015	16:26	43.2	43.5	42.9	55.3	55.6	54.7	59.2	59.5	58.5	---	---	---
8/26/2015	16:28	46.7	47.0	46.4	59.6	60.0	59.1	64.0	64.4	63.6	---	---	---
8/26/2015	16:30	49.4	49.9	48.9	59.4	59.7	59.0	63.7	64.1	63.4	---	---	---
8/27/2015	7:00	46.1	46.6	45.7	47.8	48.3	47.4	47.1	47.6	46.8	---	---	---
8/27/2015	7:02	42.7	43.1	42.2	45.0	45.5	44.5	45.8	46.4	45.2	---	---	---
8/27/2015	7:04	44.6	45.0	44.2	47.5	48.1	46.9	47.5	47.9	47.3	---	---	---
8/27/2015	7:06	46.5	47.0	46.2	48.6	48.8	48.4	47.9	48.2	47.7	---	---	---
8/27/2015	7:08	47.5	48.0	47.1	53.5	53.6	53.3	60.2	60.5	59.8	---	---	---
8/27/2015	7:10	49.5	49.8	49.1	59.2	59.4	58.8	63.0	63.2	62.7	---	---	---
8/27/2015	7:12	47.1	47.7	46.5	60.0	60.3	59.9	63.5	63.7	63.4	---	---	---
8/27/2015	7:14	45.5	45.7	45.3	56.4	56.7	56.2	61.5	61.7	61.3	---	---	---
8/27/2015	7:16	49.2	49.5	48.7	66.8	67.1	66.2	69.6	69.9	69.3	---	---	---
8/27/2015	7:18	53.1	53.4	52.7	66.3	66.8	66.0	66.4	66.8	66.4	---	---	---
8/27/2015	7:20	50.4	50.7	50.0	66.5	67.2	65.7	71.2	71.8	70.5	---	---	---
8/27/2015	7:22	47.2	47.5	47.0	60.9	61.3	60.6	65.3	65.8	65.2	---	---	---
8/27/2015	7:24	50.7	51.0	50.3	63.7	64.0	63.4	65.8	66.2	65.3	---	---	---
8/27/2015	7:26	49.9	50.5	49.3	60.7	60.8	60.3	64.0	64.3	63.5	---	---	---
8/27/2015	7:28	53.1	53.5	52.6	68.3	68.9	67.6	72.8	73.4	72.0	---	---	---
8/27/2015	7:30	48.7	49.0	48.3	63.2	63.6	62.9	65.3	65.7	65.0	---	---	---
8/27/2015	7:32	49.4	50.0	49.2	71.5	72.3	70.7	71.9	72.6	71.1	---	---	---
8/27/2015	7:34	44.9	45.5	44.1	61.3	62.1	60.4	74.6	75.8	73.4	---	---	---
8/27/2015	7:36	44.9	45.3	44.6	63.4	64.1	62.5	69.8	70.2	69.2	---	---	---
8/27/2015	7:38	46.8	47.3	46.5	58.3	58.5	58.2	67.8	67.9	67.7	---	---	---
8/27/2015	7:40	49.6	49.9	49.3	64.0	64.3	63.7	69.7	69.9	69.5	---	---	---
8/27/2015	7:42	50.9	51.5	50.3	63.4	63.7	63.0	68.6	68.8	68.4	---	---	---
8/27/2015	7:44	50.4	51.3	49.8	62.0	62.3	61.7	68.1	68.3	67.8	---	---	---
8/27/2015	7:46	45.5	46.2	44.9	59.5	59.6	59.3	67.6	67.7	67.5	---	---	---
8/27/2015	7:48	50.4	51.1	49.9	64.8	65.3	64.3	69.3	69.6	69.0	---	---	---
8/27/2015	7:50	55.4	57.2	53.6	63.8	64.1	63.4	69.1	69.3	68.8	---	---	---
8/27/2015	7:52	46.2	46.6	45.8	59.5	59.9	59.0	67.5	67.7	67.4	---	---	---
8/27/2015	7:54	46.1	46.6	45.6	58.9	59.1	58.7	67.7	67.8	67.6	---	---	---
8/27/2015	7:56	50.0	50.2	49.6	64.8	65.0	64.5	69.5	69.7	69.4	---	---	---
8/27/2015	7:58	51.4	51.9	50.8	65.1	65.8	64.4	69.6	69.9	69.2	---	---	---
8/27/2015	8:00	47.9	48.5	47.6	59.1	59.6	58.7	68.0	68.2	67.8	---	---	---
8/27/2015	8:02	45.3	45.7	44.7	58.7	59.8	57.8	67.9	68.2	67.6	---	---	---
8/27/2015	8:04	47.6	48.6	46.9	58.6	59.0	58.2	68.1	68.3	67.8	---	---	---
8/27/2015	8:06	44.7	45.0	44.5	59.4	59.6	59.1	68.3	68.4	68.2	---	---	---
8/27/2015	8:08	52.5	52.9	52.1	64.3	64.7	63.9	69.6	69.8	69.4	---	---	---
8/27/2015	8:10	50.9	51.3	50.4	63.7	64.1	63.2	69.3	69.6	69.1	---	---	---
8/27/2015	8:12	51.2	51.6	50.6	64.8	65.1	64.4	69.7	70.0	69.5	---	---	---
8/27/2015	8:14	48.4	49.2	47.9	63.9	64.4	63.4	69.9	70.3	69.5	---	---	---
8/27/2015	8:16	50.5	50.9	50.0	61.2	61.8	60.8	68.0	68.2	67.9	---	---	---
8/27/2015	8:18	50.8	51.7	50.1	62.3	62.7	62.0	68.6	68.8	68.3	---	---	---
8/27/2015	8:20	43.3	43.7	43.1	56.0	56.2	55.9	67.2	67.3	67.0	---	---	---
8/27/2015	8:22	44.5	44.7	44.2	59.3	59.5	59.1	67.7	67.8	67.6	---	---	---
8/27/2015	8:24	48.0	48.4	47.6	63.6	63.9	63.3	69.1	69.4	68.9	---	---	---
8/27/2015	8:26	49.1	49.5	48.7	63.0	63.4	62.6	69.0	69.2	68.8	---	---	---
8/27/2015	8:28	45.0	45.4	44.7	58.7	59.0	58.5	67.9	68.1	67.8	---	---	---
8/27/2015	8:30	48.6	48.9	48.2	64.6	64.9	64.3	69.8	70.0	69.6	---	---	---
8/27/2015	8:32	49.4	49.8	49.0	64.0	64.4	63.6	69.5	69.8	69.2	---	---	---
8/27/2015	8:34	45.0	45.4	44.6	59.9	60.3	59.5	68.5	68.7	68.3	---	---	---
8/27/2015	8:36	48.6	49.0	48.0	63.5	64.0	62.9	68.6	69.1	68.2	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/27/2015	8:38	52.3	53.1	51.5	67.7	68.4	66.9	66.0	66.3	65.5	---	---	---
8/27/2015	8:40	45.6	46.3	45.3	68.4	69.4	67.2	77.0	77.9	76.0	---	---	---
8/27/2015	8:42	43.1	43.6	42.6	58.7	59.0	58.4	65.2	65.3	65.0	---	---	---
8/27/2015	8:44	46.3	47.0	45.5	63.5	64.0	63.0	66.8	67.4	66.3	---	---	---
8/27/2015	8:46	47.0	47.4	46.6	67.7	68.1	67.3	69.7	69.9	69.4	---	---	---
8/27/2015	8:48	47.9	48.2	47.5	68.1	68.3	67.9	69.8	70.0	69.6	---	---	---
8/27/2015	8:50	50.5	50.8	50.1	66.0	66.3	65.8	69.2	69.5	69.0	---	---	---
8/27/2015	8:52	48.6	49.2	48.2	63.0	63.3	62.8	65.5	65.9	65.3	---	---	---
8/27/2015	8:54	45.6	46.2	45.0	55.7	55.9	55.5	56.4	56.7	56.2	---	---	---
8/27/2015	8:56	44.7	45.1	44.4	49.0	49.1	48.9	51.3	51.5	51.1	---	---	---
8/27/2015	8:58	51.8	53.7	50.2	55.0	55.4	54.6	57.5	57.8	57.1	---	---	---
8/27/2015	9:00	47.8	49.7	46.6	52.5	52.8	52.3	55.2	55.7	54.8	---	---	---
8/27/2015	9:02	46.6	46.9	45.7	62.0	62.4	61.3	65.4	65.8	64.8	---	---	---
8/27/2015	9:04	49.7	50.3	49.3	64.7	65.0	64.4	65.2	65.5	65.0	---	---	---
8/27/2015	9:06	49.6	50.1	49.0	72.1	72.7	71.5	71.1	71.7	70.4	---	---	---
8/27/2015	9:08	57.8	58.3	56.8	83.4	84.1	82.6	76.1	76.6	75.4	69.1	69.7	68.6
8/27/2015	9:10	55.3	56.2	54.6	76.6	77.2	76.3	69.0	69.7	68.8	66.0	66.6	65.6
8/27/2015	9:12	51.4	52.8	51.0	56.9	57.5	56.5	57.9	58.7	56.9	65.3	67.0	63.7
8/27/2015	9:14	48.3	49.3	47.2	55.2	55.4	55.0	55.0	55.2	54.6	61.2	61.5	60.9
8/27/2015	9:16	51.0	51.7	50.3	53.3	53.5	53.1	52.8	53.1	52.6	59.2	59.6	59.1
8/27/2015	9:18	45.1	45.6	44.6	56.5	56.6	56.3	57.1	57.3	56.8	66.0	66.4	65.5
8/27/2015	9:20	48.1	48.5	47.4	63.9	64.3	63.5	66.3	66.6	65.9	69.6	70.0	69.2
8/27/2015	9:22	52.3	52.9	51.7	63.9	64.3	63.6	66.7	67.1	66.3	71.6	72.2	70.8
8/27/2015	9:24	54.5	55.2	53.8	63.9	64.7	62.9	67.5	68.2	66.6	74.5	75.4	73.7
8/27/2015	9:26	45.0	45.5	44.5	63.7	64.1	63.0	67.9	68.5	67.2	71.9	72.7	70.9
8/27/2015	9:28	50.2	50.6	49.7	64.3	65.0	64.2	66.1	66.9	65.8	71.0	72.1	69.9
8/27/2015	9:30	48.1	48.8	47.5	62.8	63.6	61.5	65.9	66.5	64.6	72.5	73.6	71.0
8/27/2015	9:32	46.8	47.3	46.3	63.4	64.3	62.8	67.9	68.9	67.1	70.5	71.3	69.9
8/27/2015	9:34	49.0	49.8	48.0	64.6	66.0	63.3	66.7	67.2	66.1	70.5	71.1	70.0
8/27/2015	9:36	50.5	51.0	50.0	---	---	---	66.0	66.5	65.5	67.7	68.5	66.8
8/27/2015	9:38	47.3	47.5	45.8	---	---	---	60.1	60.7	59.5	70.4	71.0	69.7
8/27/2015	9:40	46.5	48.1	46.2	---	---	---	67.4	67.6	67.0	74.1	74.9	73.5
8/27/2015	9:42	49.7	50.0	49.2	55.8	57.0	56.1	68.7	69.2	68.4	74.8	75.7	73.7
8/27/2015	9:44	48.9	49.5	48.4	64.0	65.0	63.2	68.0	68.9	67.4	67.9	68.7	67.0
8/27/2015	9:46	44.0	44.6	43.5	62.6	63.4	61.8	64.0	64.6	63.2	72.2	72.9	71.3
8/27/2015	9:48	43.4	43.9	43.1	62.5	63.0	62.1	---	---	---	67.9	68.2	67.6
8/27/2015	9:50	44.0	44.2	43.6	62.6	62.8	62.4	---	---	---	67.1	67.7	66.5
8/27/2015	9:52	51.2	51.6	50.8	65.8	66.2	65.3	---	---	---	70.7	71.2	70.2
8/27/2015	9:54	50.1	50.4	49.7	63.9	64.3	63.6	67.1	67.9	66.4	69.3	69.8	68.8
8/27/2015	9:56	50.2	50.4	49.7	64.7	65.5	63.8	66.2	66.4	65.9	69.9	70.6	69.2
8/27/2015	9:58	49.8	50.4	49.5	63.9	64.4	63.5	66.9	67.3	66.5	68.7	69.2	68.1
8/27/2015	10:00	50.8	51.8	49.6	60.0	60.6	59.0	63.8	64.3	62.9	74.5	75.2	73.5
8/27/2015	10:02	45.7	46.2	45.2	62.3	62.9	61.7	68.0	68.7	67.4	74.6	75.5	73.8
8/27/2015	10:04	44.4	44.8	44.0	58.2	58.8	57.7	63.0	63.6	62.3	69.6	70.6	68.5
8/27/2015	10:06	48.8	49.3	48.2	65.3	66.1	64.6	68.6	69.4	67.8	72.7	73.5	71.7
8/27/2015	10:08	50.2	51.3	49.1	67.4	69.0	65.6	73.3	74.7	71.2	73.3	74.3	72.2
8/27/2015	10:10	51.3	52.2	50.5	66.8	68.1	65.9	72.7	75.1	70.5	66.9	68.1	65.5
8/27/2015	10:12	48.2	48.7	47.8	62.3	62.7	62.1	64.1	64.4	63.9	72.0	72.6	71.4
8/27/2015	10:14	43.4	43.9	42.9	58.8	59.5	58.0	57.7	57.9	57.6	68.2	68.6	68.0
8/27/2015	10:16	44.9	45.4	44.4	59.4	60.2	58.5	61.4	62.2	60.6	71.4	72.2	70.6
8/27/2015	10:18	45.6	46.3	44.8	57.1	57.9	56.3	59.0	59.8	58.2	67.9	68.5	67.3
8/27/2015	10:20	47.8	48.3	47.2	59.9	60.7	58.8	60.3	60.9	59.3	71.2	71.9	70.1
8/27/2015	10:22	52.2	52.7	51.7	64.1	64.7	63.7	66.0	66.6	65.6	73.1	73.9	72.5
8/27/2015	10:24	51.7	52.0	51.1	64.8	65.4	64.1	67.6	68.2	67.0	72.9	73.4	72.4
8/27/2015	10:26	49.4	50.0	49.1	59.8	60.5	59.2	62.8	63.6	62.2	71.1	71.8	70.5
8/27/2015	10:28	52.1	52.8	51.5	64.1	64.6	63.5	66.6	67.2	66.0	73.8	74.4	73.2
8/27/2015	10:30	49.2	49.9	48.4	62.4	62.8	61.9	65.6	66.2	65.1	71.7	72.3	71.1
8/27/2015	10:32	47.0	48.3	45.5	58.1	59.3	56.9	61.7	62.7	60.3	68.1	68.9	67.4
8/27/2015	10:34	44.7	45.2	44.3	57.1	57.9	56.4	60.2	61.1	59.4	66.6	67.2	66.1
8/27/2015	10:36	46.5	47.2	45.8	57.5	57.4	56.7	59.8	59.8	59.1	63.2	63.6	62.8
8/27/2015	10:38	47.5	47.8	47.1	61.0	61.5	60.8	65.4	66.0	65.0	68.0	68.4	67.6
8/27/2015	10:40	47.2	47.8	46.6	59.4	59.7	59.2	63.0	63.3	62.7	70.6	70.9	70.3
8/27/2015	10:42	47.9	48.4	47.5	57.9	58.2	57.6	61.0	61.4	60.7	70.7	71.0	70.4
8/27/2015	10:44	47.7	48.9	46.9	63.8	65.4	59.8	70.4	72.5	68.4	71.5	72.3	70.8
8/27/2015	10:46	49.3	49.6	48.9	55.9	56.1	55.6	57.5	57.8	57.3	68.9	69.5	68.4
8/27/2015	10:48	48.7	49.0	48.4	56.8	57.1	56.4	58.2	58.5	57.8	72.6	73.2	71.9
8/27/2015	10:50	48.7	49.4	48.0	72.0	72.6	71.1	71.7	72.0	70.8	70.7	71.4	69.8

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/27/2015	10:52	46.4	47.1	45.5	56.8	59.8	57.7	64.8	66.9	65.4	66.9	67.4	66.5
8/27/2015	10:54	48.3	49.2	47.5	55.6	55.9	55.4	62.1	62.2	62.0	66.6	66.9	66.3
8/27/2015	10:56	49.7	50.3	49.1	60.8	61.2	60.3	64.9	65.2	64.6	69.0	69.6	68.4
8/27/2015	10:58	49.6	50.4	48.8	56.8	57.1	56.5	62.4	62.6	62.3	69.9	70.1	69.7
8/27/2015	11:00	49.2	49.6	48.8	60.3	60.6	60.0	64.5	64.7	64.2	70.9	71.2	70.6
8/27/2015	11:02	48.5	48.8	48.2	58.4	58.8	58.1	63.2	63.5	63.1	70.2	70.5	69.8
8/27/2015	11:04	50.7	51.4	50.1	74.4	75.2	73.6	69.6	70.3	68.8	67.3	67.9	66.7
8/27/2015	11:06	49.9	50.5	49.2	60.3	60.8	59.6	65.9	66.5	65.2	66.6	66.9	65.8
8/27/2015	11:08	48.4	48.9	47.8	55.6	56.1	55.3	58.5	59.2	58.4	69.7	70.2	69.3
8/27/2015	11:10	47.8	48.8	46.9	53.8	54.1	53.5	57.7	58.1	57.4	68.0	68.2	67.6
8/27/2015	11:12	45.9	46.2	45.5	59.2	60.0	58.3	61.8	63.1	60.5	67.2	67.7	67.0
8/27/2015	11:14	48.4	49.0	47.7	60.3	60.6	60.0	64.6	64.9	63.9	68.2	68.4	67.6
8/27/2015	11:16	49.9	50.3	49.6	66.6	67.4	65.8	71.1	71.9	70.2	71.9	72.4	71.5
8/27/2015	11:18	48.7	49.1	48.3	59.9	60.2	59.6	64.4	64.7	64.2	68.6	68.9	68.3
8/27/2015	11:20	51.3	52.0	50.7	62.4	63.0	61.9	65.0	65.2	64.8	68.3	68.6	68.0
8/27/2015	11:22	50.2	51.0	49.4	58.4	58.9	58.0	61.9	62.4	61.7	71.4	71.8	71.0
8/27/2015	11:24	46.1	46.7	45.4	54.4	54.7	54.1	56.8	57.1	56.4	64.5	65.0	64.0
8/27/2015	11:26	48.1	48.5	47.8	55.0	55.4	54.4	57.7	58.1	57.1	65.4	66.0	64.6
8/27/2015	11:28	47.1	47.4	46.8	54.2	54.9	53.8	57.3	58.1	56.6	65.2	65.8	64.7
8/27/2015	11:30	45.9	46.2	45.4	58.6	58.8	57.7	63.2	63.1	61.5	68.9	69.1	68.5
8/27/2015	11:32	48.7	49.4	48.0	63.0	64.1	62.4	69.1	70.2	68.3	69.0	69.6	68.5
8/27/2015	11:34	52.2	52.5	51.8	56.1	56.4	55.7	63.4	63.7	63.2	68.1	68.5	67.8
8/27/2015	11:36	53.9	54.4	53.4	56.2	56.7	55.8	63.2	63.4	63.0	64.1	64.6	63.7
8/27/2015	11:38	53.2	53.5	52.6	58.9	59.2	58.5	65.0	65.2	64.7	70.0	70.5	69.6
8/27/2015	11:40	52.8	53.4	52.4	58.0	58.3	57.6	64.0	64.2	63.7	72.0	72.2	71.6
8/27/2015	11:42	50.9	51.4	50.6	57.5	57.7	57.2	63.7	63.8	63.5	66.6	67.1	66.4
8/27/2015	11:44	51.3	51.8	50.8	59.5	59.9	59.2	64.7	65.0	64.5	70.1	70.3	69.9
8/27/2015	11:46	50.5	50.9	50.1	59.2	59.5	58.9	65.0	65.2	64.8	71.1	71.6	70.7
8/27/2015	11:48	51.1	51.9	49.9	63.1	64.6	60.6	71.6	73.5	69.5	69.2	69.8	68.7
8/27/2015	11:50	50.2	50.7	49.8	57.2	57.5	56.8	64.8	65.3	64.5	68.6	69.2	68.0
8/27/2015	11:52	51.0	51.5	50.5	59.5	60.5	58.6	69.5	70.5	68.3	73.9	74.5	73.2
8/27/2015	11:54	51.3	51.9	50.6	53.1	53.6	52.7	55.5	55.9	55.0	63.3	63.9	62.4
8/27/2015	11:56	48.5	49.9	47.1	55.1	55.7	54.5	58.8	59.6	58.1	72.5	73.1	71.8
8/27/2015	11:58	48.8	49.6	47.9	58.3	58.7	57.9	62.5	63.0	61.9	68.2	68.8	67.7
8/27/2015	12:00	47.0	47.6	46.4	61.0	61.5	60.4	67.8	68.6	66.8	67.2	67.9	66.4
8/27/2015	12:02	50.7	51.4	50.0	62.9	63.6	62.3	65.3	66.1	64.7	68.3	68.8	67.9
8/27/2015	12:04	53.6	54.0	53.2	61.8	62.1	61.3	70.3	70.9	69.3	68.7	69.0	68.4
8/27/2015	12:06	51.9	52.4	51.4	60.9	61.7	60.2	71.0	72.0	70.2	65.6	66.1	65.1
8/27/2015	12:08	51.3	51.8	50.8	55.3	55.6	55.0	63.6	63.7	63.5	65.6	66.1	65.1
8/27/2015	12:10	49.7	50.4	49.2	55.9	56.3	55.6	64.0	64.1	63.8	69.5	70.0	69.0
8/27/2015	12:12	50.5	51.2	49.7	57.7	58.4	56.9	65.8	66.9	64.5	72.1	72.9	71.1
8/27/2015	12:14	49.2	49.8	48.7	51.5	52.0	51.2	54.2	54.7	53.7	61.3	61.9	60.8
8/27/2015	12:16	49.1	49.6	48.6	57.5	58.0	57.0	61.6	62.1	61.1	67.0	67.4	66.5
8/27/2015	12:18	46.8	47.7	46.0	56.7	57.4	56.1	60.1	60.7	59.6	66.6	67.4	65.9
8/27/2015	12:20	48.0	48.5	47.4	58.9	59.4	58.4	62.3	62.8	61.7	67.6	68.1	66.9
8/27/2015	12:22	47.2	47.8	46.7	58.0	58.6	57.4	62.2	62.7	61.8	68.1	68.5	67.7
8/27/2015	12:24	46.6	47.4	45.9	53.3	53.8	52.8	56.6	57.2	55.9	64.0	64.6	63.2
8/27/2015	12:26	47.9	48.8	47.0	58.8	59.3	58.3	62.8	63.2	62.4	66.8	67.0	66.2
8/27/2015	12:28	46.6	47.4	45.7	54.2	54.9	53.8	56.6	57.0	56.3	66.4	67.4	66.0
8/27/2015	12:30	45.3	45.7	44.8	54.4	54.8	53.9	57.1	57.5	56.7	63.1	63.5	62.7
8/27/2015	12:32	47.0	47.4	46.6	55.3	55.5	54.8	58.3	58.4	57.7	68.3	68.8	67.9
8/27/2015	12:34	45.6	46.1	45.1	58.3	58.8	57.9	66.1	66.7	65.5	67.3	67.7	66.9
8/27/2015	12:36	46.7	47.1	46.3	60.0	60.4	59.6	63.7	64.1	63.2	69.5	69.9	69.0
8/27/2015	12:38	48.6	49.3	47.6	67.9	68.6	67.2	69.4	70.2	68.6	66.8	67.2	66.4
8/27/2015	12:40	49.0	49.7	48.2	56.4	57.2	55.4	60.2	61.3	58.1	66.0	67.2	64.9
8/27/2015	12:42	51.4	51.7	51.0	61.2	61.5	60.9	64.7	65.0	64.4	69.6	70.1	69.2
8/27/2015	12:44	54.0	54.5	53.5	64.1	64.6	63.5	66.7	67.1	66.2	67.9	68.3	67.5
8/27/2015	12:46	46.8	47.1	46.6	57.1	57.5	56.8	59.3	59.9	59.0	74.4	74.8	74.0
8/27/2015	12:48	48.7	49.1	48.4	55.1	55.6	54.6	56.3	56.7	55.7	65.4	65.9	65.0
8/27/2015	12:50	50.3	51.0	49.4	55.5	55.9	55.1	57.3	57.7	57.0	67.7	68.2	67.1
8/27/2015	12:52	49.4	49.7	49.0	57.0	57.6	56.4	60.5	61.2	59.7	76.1	76.6	75.5
8/27/2015	12:54	46.3	46.7	45.8	57.7	58.5	56.6	59.5	60.4	58.6	74.7	75.3	74.1
8/27/2015	12:56	48.6	49.5	47.6	56.6	57.2	56.2	60.4	61.1	59.9	71.4	72.0	70.9
8/27/2015	12:58	51.8	52.6	50.5	58.6	59.0	58.1	62.1	62.6	61.5	70.3	70.9	69.6
8/27/2015	13:00	52.1	53.1	51.7	62.9	63.3	62.4	67.1	67.5	66.6	72.7	73.3	72.0
8/27/2015	13:02	51.4	51.8	50.9	63.3	63.9	62.4	67.5	68.2	66.7	75.5	76.1	75.0
8/27/2015	13:04	49.2	49.8	48.8	63.3	64.0	62.8	67.6	68.6	66.8	72.3	72.6	71.9

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/27/2015	13:06	46.8	47.3	46.2	60.8	61.4	60.0	60.9	61.4	60.3	71.8	72.2	71.4
8/27/2015	13:08	46.1	46.7	45.5	63.2	64.0	62.5	65.9	66.5	65.4	71.1	71.5	70.6
8/27/2015	13:10	49.8	50.7	48.8	63.1	64.0	62.2	62.8	63.2	62.3	76.0	76.7	75.1
8/27/2015	13:12	47.8	49.0	46.9	61.2	61.9	60.6	65.7	66.3	65.1	74.5	75.0	73.8
8/27/2015	13:14	47.3	48.0	46.7	60.7	61.4	59.7	64.6	65.5	63.8	73.1	73.6	72.7
8/27/2015	13:16	49.7	50.1	49.3	65.0	65.8	64.3	67.6	68.1	67.1	78.6	79.3	77.6
8/27/2015	13:18	55.0	55.3	54.6	62.3	62.8	61.5	65.5	66.0	65.0	75.5	76.4	74.7
8/27/2015	13:20	52.9	53.2	52.6	64.6	65.0	64.1	67.8	68.2	67.6	76.4	77.0	75.8
8/27/2015	13:22	51.3	51.7	50.9	62.7	63.2	62.2	66.7	67.3	66.1	75.8	76.5	75.2
8/27/2015	13:24	48.7	49.2	48.3	60.0	60.8	59.2	60.7	61.2	60.2	75.1	75.7	74.3
8/27/2015	13:26	49.8	50.1	49.4	61.3	61.9	60.6	62.4	62.9	61.7	74.5	75.0	73.9
8/27/2015	13:28	48.7	49.2	48.2	59.2	59.8	58.6	59.7	60.3	59.3	74.0	74.8	73.4
8/27/2015	13:30	47.9	48.3	47.4	61.9	62.6	61.2	62.2	62.7	61.6	75.0	75.5	74.3
8/27/2015	13:32	46.4	46.8	45.9	60.2	60.8	59.5	59.0	59.4	58.5	73.3	73.9	72.7
8/27/2015	13:34	48.4	48.8	48.0	59.8	60.6	59.1	59.8	60.4	59.4	73.7	74.3	73.0
8/27/2015	13:36	47.3	47.8	46.8	63.9	64.6	63.3	68.1	68.7	67.3	73.4	73.8	73.1
8/27/2015	13:38	50.0	50.6	49.3	62.1	62.8	61.2	64.8	65.5	64.0	75.4	76.1	74.7
8/27/2015	13:40	54.4	55.1	53.5	60.9	61.5	60.4	64.3	64.7	63.9	74.6	75.2	73.9
8/27/2015	13:42	54.7	55.3	53.9	63.8	64.2	63.0	66.0	66.4	65.6	73.0	73.4	72.6
8/27/2015	13:44	56.6	57.7	54.9	60.3	61.5	60.0	65.0	65.5	64.3	71.3	71.8	70.8
8/27/2015	13:46	58.4	60.5	56.5	59.7	60.2	59.0	64.1	64.4	63.8	73.5	74.2	72.9
8/27/2015	13:48	48.2	48.7	47.8	59.4	60.4	58.5	63.0	63.4	62.8	68.4	68.8	68.1
8/27/2015	13:50	48.4	49.2	47.5	58.4	59.2	57.4	62.9	63.3	62.5	67.4	67.7	66.8
8/27/2015	13:52	46.5	47.5	45.5	61.0	61.5	60.4	65.4	65.8	65.0	71.0	71.4	70.5
8/27/2015	13:54	46.9	47.5	46.2	59.7	60.5	59.0	66.2	66.9	65.2	70.1	70.5	69.7
8/27/2015	13:56	45.7	46.2	45.1	60.0	60.4	59.6	65.6	66.0	65.3	71.4	71.9	71.1
8/27/2015	13:58	45.7	46.3	45.1	58.5	59.1	57.9	65.0	65.7	64.3	69.0	69.4	68.7
8/27/2015	14:00	44.8	45.1	44.4	61.0	61.6	60.4	66.9	67.9	65.6	71.2	71.6	70.8
8/27/2015	14:02	44.4	45.0	43.8	63.6	64.2	62.7	67.2	67.7	66.5	74.8	75.0	74.0
8/27/2015	14:04	45.7	46.4	45.1	65.4	65.8	64.9	69.2	69.7	68.7	70.1	71.3	70.3
8/27/2015	14:06	46.4	46.9	46.0	63.3	64.1	62.4	69.0	70.2	67.5	68.5	68.9	68.1
8/27/2015	14:08	47.8	48.2	47.5	61.6	62.3	61.0	65.9	66.3	65.6	69.7	70.0	69.3
8/27/2015	14:10	47.0	47.4	46.6	62.8	63.5	62.2	67.2	67.6	66.7	71.7	72.0	71.3
8/27/2015	14:12	46.6	47.4	45.7	60.7	61.1	60.2	70.6	70.8	70.4	70.5	70.9	70.1
8/27/2015	14:14	46.1	47.0	45.3	60.8	61.3	60.3	71.3	71.4	71.1	69.4	69.9	68.7
8/27/2015	14:16	44.8	45.2	44.3	60.7	61.3	60.2	70.0	70.2	69.9	69.2	69.8	68.8
8/27/2015	14:18	47.1	48.4	45.5	56.2	56.7	55.9	64.6	65.0	64.3	68.9	69.2	68.6
8/27/2015	14:20	46.2	46.8	45.5	58.5	59.2	57.7	64.0	64.2	63.8	67.7	68.1	67.4
8/27/2015	14:22	46.6	47.0	46.2	57.4	57.8	56.8	64.3	64.6	64.0	66.7	67.1	66.0
8/27/2015	14:24	49.7	49.9	49.4	63.5	64.2	62.9	70.3	71.1	69.3	72.4	72.9	71.9
8/27/2015	14:26	47.5	48.4	46.4	66.0	66.6	65.3	72.5	73.1	71.8	74.7	75.4	74.0
8/27/2015	14:28	45.4	45.8	44.9	63.4	64.6	62.1	68.8	68.9	68.6	70.9	71.9	70.0
8/27/2015	14:30	45.0	45.2	44.7	63.9	64.7	63.0	67.9	68.3	67.6	75.2	76.1	74.3
8/27/2015	14:32	44.3	44.5	43.9	62.4	63.1	61.5	65.8	66.8	65.0	73.6	74.4	72.8
8/27/2015	14:34	46.1	46.5	45.7	63.1	63.8	62.5	67.2	67.9	66.5	74.5	75.2	73.6
8/27/2015	14:36	43.2	43.5	42.8	62.7	63.5	61.8	65.5	66.1	64.8	72.0	72.7	71.2
8/27/2015	14:38	47.3	48.8	45.1	62.0	63.0	61.1	65.5	66.3	64.8	70.8	71.3	70.2
8/27/2015	14:40	45.5	46.0	45.0	62.6	63.4	61.7	66.0	66.8	64.9	71.7	72.3	71.1
8/27/2015	14:42	45.0	45.7	44.4	63.2	63.9	62.6	67.1	67.9	66.6	72.2	72.8	71.7
8/27/2015	14:44	49.2	49.7	48.7	65.5	66.1	64.8	68.3	68.9	67.7	75.8	76.5	75.1
8/27/2015	14:46	45.4	45.8	45.0	65.1	65.7	64.6	68.9	69.4	68.6	75.1	75.7	74.5
8/27/2015	14:48	44.3	44.7	43.9	63.1	63.8	62.2	66.3	67.0	65.7	71.8	72.1	71.3
8/27/2015	14:50	44.9	45.5	44.3	68.2	68.8	67.2	72.6	73.3	71.5	73.4	74.0	72.7
8/27/2015	14:52	44.3	44.6	44.0	64.1	65.3	63.4	68.1	69.4	67.7	76.5	77.2	75.9
8/27/2015	14:54	47.9	48.6	47.2	65.0	65.8	64.2	68.2	69.0	67.4	75.3	76.2	74.6
8/27/2015	14:56	44.5	44.8	44.1	58.8	59.4	58.1	58.9	59.5	58.4	74.6	75.2	73.7
8/27/2015	14:58	44.3	44.6	44.0	61.0	62.0	60.1	62.9	63.9	61.9	69.8	70.3	69.5
8/27/2015	15:00	44.7	45.2	44.1	58.0	58.4	57.3	60.6	60.9	59.7	66.3	66.8	65.8
8/27/2015	15:02	43.6	44.0	43.2	58.6	59.2	58.0	64.1	64.9	63.2	70.4	70.8	70.1
8/27/2015	15:04	44.7	45.1	44.3	61.1	61.8	60.2	66.7	67.8	65.9	70.0	70.3	69.6
8/27/2015	15:06	51.0	51.2	50.5	60.6	61.4	59.8	65.0	65.7	64.3	73.2	73.7	72.6
8/27/2015	15:08	62.2	62.4	61.9	63.9	64.4	63.5	67.8	68.4	67.2	71.7	72.4	71.1
8/27/2015	15:10	59.7	59.9	59.5	64.6	65.3	63.9	69.1	69.8	68.3	75.7	76.6	74.9
8/27/2015	15:12	63.6	63.7	63.2	62.3	62.6	61.8	63.0	63.2	62.7	68.7	69.0	68.3
8/27/2015	15:14	64.3	64.6	64.2	64.1	64.5	63.8	65.5	65.8	65.3	69.9	70.2	69.7
8/27/2015	15:16	62.1	62.9	61.3	61.9	62.8	61.1	62.7	63.4	62.1	68.0	68.4	67.6
8/27/2015	15:18	63.5	64.4	62.7	63.6	64.6	62.7	64.2	65.1	63.4	69.1	69.6	68.4

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/27/2015	15:20	63.3	63.6	63.0	66.4	67.5	64.5	66.1	66.6	65.5	70.0	70.2	69.6
8/27/2015	15:22	69.3	70.3	67.4	71.5	72.9	70.0	70.0	71.0	68.7	73.3	74.5	72.4
8/27/2015	15:24	66.4	67.0	65.8	68.9	69.4	68.5	71.4	71.8	71.0	74.7	75.2	74.3
8/27/2015	15:26	69.7	70.9	67.7	69.6	70.8	68.6	70.4	72.1	69.0	77.6	80.8	75.1
8/27/2015	15:28	66.0	66.4	65.6	65.6	66.0	65.2	65.4	65.9	64.9	67.2	68.2	66.3
8/27/2015	15:30	75.2	76.4	73.5	77.3	79.1	75.7	74.9	76.3	73.1	77.3	78.9	76.3
8/27/2015	15:32	72.6	74.1	70.9	71.0	72.0	69.5	71.2	72.1	69.2	72.9	74.3	71.3
8/27/2015	15:34	69.2	69.9	68.9	68.0	68.7	67.6	67.0	68.2	66.8	69.7	70.8	68.9
8/27/2015	15:36	72.9	73.9	71.2	72.0	73.8	70.3	71.0	72.3	68.9	73.5	75.2	72.0
8/27/2015	15:38	67.4	68.5	66.5	66.3	67.3	65.2	65.8	66.9	64.7	67.5	69.0	66.5
8/27/2015	15:40	65.1	65.7	64.4	63.5	64.3	62.7	63.3	64.1	62.6	64.4	65.4	63.2
8/27/2015	15:42	64.3	64.7	64.0	61.4	61.8	61.0	60.5	61.2	59.9	61.0	61.8	60.3
8/27/2015	15:44	65.6	66.6	64.6	63.3	64.3	62.1	62.9	63.9	61.5	64.0	65.2	62.5
8/27/2015	15:46	65.7	67.3	64.3	63.6	65.0	62.0	63.2	64.4	61.3	65.4	66.4	63.0
8/27/2015	15:48	62.3	63.1	61.7	60.4	61.1	59.8	60.6	61.6	59.9	61.6	62.8	61.0
8/27/2015	15:50	61.9	62.2	61.3	57.8	58.4	57.2	57.2	57.7	56.7	58.9	59.8	58.1
8/27/2015	15:52	70.1	71.6	68.8	70.9	72.6	68.2	72.2	74.0	69.5	72.7	73.8	70.9
8/27/2015	15:54	65.7	67.4	64.5	65.0	66.4	63.3	64.0	65.6	63.1	65.7	67.4	64.5
8/27/2015	15:56	61.7	62.2	61.4	59.8	60.5	59.2	59.2	60.0	58.6	61.1	62.2	60.3
8/27/2015	15:58	76.0	77.9	74.2	82.2	84.2	80.2	82.9	85.1	80.5	83.7	85.4	79.6
8/27/2015	16:00	76.3	77.7	73.7	75.3	76.7	73.3	74.3	75.8	73.0	77.5	78.8	75.3
8/27/2015	16:02	66.2	66.8	65.6	66.9	67.5	66.4	66.6	67.1	66.1	67.6	68.3	66.8
8/27/2015	16:04	68.6	69.3	67.8	68.2	69.0	67.6	67.2	67.8	66.4	68.7	69.9	67.7
8/27/2015	16:06	66.4	66.6	66.3	65.5	65.7	65.4	64.4	64.6	64.3	64.6	65.0	64.1
8/27/2015	16:08	64.3	64.5	64.2	63.5	64.0	63.2	62.1	62.2	61.9	62.3	62.8	61.7
8/27/2015	16:10	65.8	66.0	65.7	64.6	65.6	64.0	62.1	62.3	61.9	62.5	63.2	62.1
8/27/2015	16:12	64.4	64.9	64.0	60.9	61.6	60.1	59.2	59.8	58.4	59.9	61.0	58.9
8/27/2015	16:14	62.5	62.9	62.0	57.2	57.8	56.4	58.0	58.9	57.0	59.0	60.1	58.0
8/27/2015	16:16	58.6	59.1	58.1	55.4	56.1	54.8	52.7	53.1	52.2	52.8	53.5	52.2
8/27/2015	16:18	60.8	61.3	60.3	55.8	56.4	55.1	53.0	53.4	52.7	53.4	53.9	52.8
8/27/2015	16:20	55.5	55.8	55.3	51.7	52.5	51.1	51.0	51.8	50.3	49.9	50.4	49.6
8/27/2015	16:22	56.2	56.4	55.9	51.4	51.7	51.0	51.4	52.0	50.8	51.5	52.0	51.1
8/27/2015	16:24	58.2	58.4	57.9	52.2	52.4	51.8	49.3	49.6	49.1	49.0	49.3	48.8
8/27/2015	16:26	58.1	58.4	57.8	54.2	54.5	53.9	50.4	50.7	50.2	50.2	50.6	49.8
8/27/2015	16:28	55.5	55.7	55.2	52.0	52.3	51.8	48.7	48.9	48.6	48.2	48.5	47.9
8/27/2015	16:30	52.4	52.6	52.2	49.8	50.0	49.6	47.8	48.1	47.6	47.9	48.3	47.6
8/28/2015	7:00	42.4	42.7	42.0	53.4	53.4	53.3	56.3	56.4	56.2	54.3	54.4	54.2
8/28/2015	7:02	43.2	43.4	42.9	57.6	58.1	56.9	61.6	62.5	60.8	71.4	71.9	70.4
8/28/2015	7:04	50.9	51.3	50.4	66.3	66.6	66.0	69.3	69.6	69.0	69.5	70.2	69.5
8/28/2015	7:06	48.2	49.1	47.2	50.5	50.8	50.4	52.6	52.8	52.4	57.1	58.2	56.0
8/28/2015	7:08	46.0	47.4	44.5	54.1	54.4	53.8	57.9	58.2	57.6	66.8	67.1	66.5
8/28/2015	7:10	46.3	47.5	45.2	53.6	53.9	53.3	57.6	57.8	57.3	63.8	64.1	63.5
8/28/2015	7:12	51.2	51.7	50.8	66.8	67.2	66.4	70.8	71.3	70.3	71.4	72.0	70.7
8/28/2015	7:14	49.8	50.3	49.2	70.7	71.7	69.1	78.6	79.9	76.9	59.9	60.5	59.3
8/28/2015	7:16	42.9	43.1	42.6	54.8	55.4	54.2	55.5	56.1	55.0	60.6	61.0	60.1
8/28/2015	7:18	49.5	49.8	49.1	65.2	65.4	64.9	67.7	68.0	67.4	72.0	72.4	71.6
8/28/2015	7:20	50.1	50.5	49.6	65.2	65.8	64.5	68.6	69.4	67.7	69.6	69.9	69.2
8/28/2015	7:22	50.3	51.0	49.5	63.8	64.3	63.4	66.4	67.0	65.7	70.1	70.7	69.4
8/28/2015	7:24	50.3	50.8	49.9	64.8	65.2	64.4	67.4	67.9	66.9	70.9	71.7	70.2
8/28/2015	7:26	49.9	50.1	49.4	64.8	65.2	64.3	67.7	68.2	67.1	73.5	74.3	72.6
8/28/2015	7:28	44.3	45.1	44.3	55.1	55.6	54.8	58.6	59.2	58.2	71.3	72.0	70.3
8/28/2015	7:30	45.7	46.0	45.2	58.7	59.0	58.3	63.8	64.1	63.5	59.4	60.0	59.5
8/28/2015	7:32	44.8	45.4	44.3	45.7	46.0	45.4	48.1	48.2	47.9	52.9	53.0	52.7
8/28/2015	7:34	45.7	46.1	45.3	50.9	51.2	50.7	52.5	52.8	52.3	60.1	60.4	59.7
8/28/2015	7:36	43.1	43.5	42.8	53.4	53.7	53.1	54.3	54.6	54.0	61.7	62.0	61.3
8/28/2015	7:38	47.5	47.6	47.0	65.3	65.6	65.0	68.1	68.4	67.7	72.5	73.0	72.0
8/28/2015	7:40	50.6	51.0	50.3	64.1	64.5	63.7	66.7	67.1	66.3	69.7	70.3	69.0
8/28/2015	7:42	45.5	45.9	45.2	51.1	51.3	50.9	53.3	53.4	53.0	56.8	57.0	56.3
8/28/2015	7:44	47.7	48.2	47.3	52.8	53.1	52.6	55.5	55.8	55.3	59.1	59.5	58.8
8/28/2015	7:46	42.9	43.5	42.3	53.0	53.2	52.6	54.0	54.2	53.8	59.4	59.8	58.8
8/28/2015	7:48	44.6	44.8	44.3	58.0	58.1	57.4	60.0	60.0	59.3	68.7	69.3	68.1
8/28/2015	7:50	48.9	49.5	48.3	62.4	62.9	62.0	65.0	65.6	64.6	64.2	64.5	63.8
8/28/2015	7:52	49.1	49.6	48.5	64.0	64.3	63.6	66.5	66.9	66.0	70.7	71.3	69.9
8/28/2015	7:54	48.0	48.5	47.5	63.3	63.7	62.8	66.4	67.0	65.8	69.5	70.2	68.6
8/28/2015	7:56	44.5	45.2	43.8	53.0	53.5	52.5	54.6	55.1	54.2	61.6	61.9	61.3
8/28/2015	7:58	47.9	48.4	47.5	63.7	64.1	63.3	66.4	66.8	65.9	70.1	70.5	69.7
8/28/2015	8:00	48.3	48.6	47.8	53.8	54.2	53.6	55.4	55.7	55.1	62.1	62.6	61.8

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/28/2015	8:02	49.6	50.9	48.6	57.3	57.9	56.6	59.5	60.0	58.9	69.9	71.1	68.6
8/28/2015	8:04	50.1	50.5	49.7	63.4	63.8	63.0	66.0	66.5	65.5	69.6	70.2	69.0
8/28/2015	8:06	47.1	47.3	46.9	60.1	60.2	59.5	62.9	62.9	61.9	70.3	71.0	69.6
8/28/2015	8:08	49.5	50.0	49.1	63.5	64.0	63.2	65.7	66.4	65.5	66.4	66.6	65.6
8/28/2015	8:10	49.8	50.1	49.5	65.4	65.7	65.1	67.9	68.2	67.6	73.2	73.7	72.8
8/28/2015	8:12	50.2	50.5	49.8	64.1	64.5	63.7	66.5	66.9	66.0	69.5	70.0	69.0
8/28/2015	8:14	46.5	46.6	46.3	55.5	55.8	55.1	58.2	58.5	57.9	63.5	63.9	63.2
8/28/2015	8:16	52.3	52.5	52.0	65.4	65.6	65.0	68.9	69.4	68.5	70.6	71.1	70.2
8/28/2015	8:18	48.2	48.8	48.1	62.9	63.2	62.6	70.2	71.1	69.2	64.2	64.6	63.9
8/28/2015	8:20	46.8	47.0	46.5	61.7	62.0	61.2	65.5	66.2	64.8	64.8	65.1	64.4
8/28/2015	8:22	50.7	51.0	50.4	65.0	65.4	64.7	68.3	68.9	67.7	70.7	71.2	70.1
8/28/2015	8:24	49.6	49.9	49.2	65.3	65.6	64.9	70.3	70.9	69.6	71.6	72.3	71.0
8/28/2015	8:26	46.5	46.7	46.3	60.5	60.7	60.3	64.2	64.5	64.0	64.3	64.7	63.9
8/28/2015	8:28	49.8	50.1	49.4	65.2	65.5	64.9	68.0	68.3	67.7	73.7	74.1	73.2
8/28/2015	8:30	50.0	50.4	49.5	63.8	64.2	63.4	66.5	67.0	65.9	71.2	71.9	70.4
8/28/2015	8:32	45.4	46.1	44.9	55.5	55.8	55.1	56.6	57.0	56.3	65.6	65.9	65.3
8/28/2015	8:34	43.1	43.5	42.8	55.0	55.4	54.6	56.6	57.0	56.1	65.4	65.9	65.0
8/28/2015	8:36	48.1	48.6	47.6	62.8	63.3	62.5	64.8	65.3	64.2	70.7	71.2	70.1
8/28/2015	8:38	45.5	45.8	45.2	56.7	57.1	56.3	58.8	59.3	58.3	68.7	68.9	68.4
8/28/2015	8:40	43.5	43.8	43.3	54.6	55.1	54.1	56.4	57.0	55.7	62.1	62.4	61.6
8/28/2015	8:42	44.6	45.0	44.3	62.3	62.9	61.8	65.8	66.3	64.7	67.8	68.2	67.4
8/28/2015	8:44	46.5	46.9	46.1	61.1	61.6	60.6	64.8	65.7	64.2	68.5	68.8	68.3
8/28/2015	8:46	44.9	45.2	44.4	59.9	60.6	59.3	62.2	63.0	61.7	70.4	71.1	69.6
8/28/2015	8:48	50.7	51.1	50.3	64.3	64.6	63.9	66.1	66.5	65.7	72.6	73.1	72.2
8/28/2015	8:50	49.8	50.2	49.4	65.3	65.6	64.9	67.7	68.1	67.1	74.4	74.8	73.9
8/28/2015	8:52	50.5	50.8	50.2	65.1	65.4	64.7	68.3	68.7	67.9	72.5	73.2	72.0
8/28/2015	8:54	48.7	49.2	48.3	64.1	64.5	63.7	66.1	66.5	65.5	70.0	70.6	69.6
8/28/2015	8:56	48.0	48.5	47.6	61.2	61.8	60.9	63.5	64.3	63.2	53.6	54.5	53.6
8/28/2015	8:58	40.4	40.8	40.1	50.2	50.4	49.8	52.3	52.4	51.8	59.0	59.3	58.0
8/28/2015	9:00	41.9	42.2	41.6	56.0	56.3	55.8	59.7	59.9	59.5	71.6	71.8	71.3
8/28/2015	9:02	43.8	44.0	43.5	55.4	55.6	55.2	59.2	59.4	58.9	68.5	68.8	68.3
8/28/2015	9:04	43.9	44.1	43.7	54.2	54.4	54.0	57.4	57.6	57.2	63.2	63.4	62.9
8/28/2015	9:06	46.4	46.5	45.9	63.5	63.7	63.0	66.5	66.9	66.0	70.9	71.3	70.4
8/28/2015	9:08	49.4	50.0	49.0	60.4	61.6	59.5	62.6	63.6	61.9	72.6	73.2	72.0
8/28/2015	9:10	50.3	50.7	49.9	65.2	65.6	64.9	68.6	69.6	67.7	71.4	72.1	70.8
8/28/2015	9:12	48.8	49.2	48.4	63.2	63.6	62.8	65.3	65.9	64.9	63.9	64.2	63.6
8/28/2015	9:14	44.0	44.2	43.6	62.5	62.6	61.9	65.4	65.7	64.9	71.1	71.5	70.6
8/28/2015	9:16	50.1	50.4	49.5	63.9	64.4	63.5	66.2	66.7	65.8	70.3	70.6	69.9
8/28/2015	9:18	46.6	47.2	46.4	54.8	55.3	54.7	56.9	57.5	56.7	69.8	70.1	69.5
8/28/2015	9:20	41.7	42.2	41.3	53.5	54.0	53.0	56.6	57.2	56.0	66.9	67.2	66.6
8/28/2015	9:22	41.9	42.4	41.2	53.0	53.4	52.6	55.3	55.5	54.9	64.2	64.4	63.8
8/28/2015	9:24	53.7	54.8	52.5	63.9	64.4	63.5	66.7	67.2	66.2	71.0	71.4	70.6
8/28/2015	9:26	43.1	43.5	42.8	54.4	54.6	54.1	56.2	56.5	55.9	64.9	65.3	64.7
8/28/2015	9:28	44.4	44.7	44.0	58.3	58.5	58.0	61.1	61.3	60.8	72.0	72.1	71.4
8/28/2015	9:30	50.3	50.6	49.8	66.7	67.0	66.3	69.8	70.2	69.4	74.0	74.6	73.7
8/28/2015	9:32	49.5	50.0	49.1	59.9	60.5	59.8	62.3	62.7	62.1	72.3	73.1	71.6
8/28/2015	9:34	50.7	51.3	49.7	64.1	64.5	63.7	66.7	67.2	66.2	73.6	74.0	73.1
8/28/2015	9:36	49.3	50.0	48.8	62.6	63.0	62.2	65.3	65.8	64.8	69.9	70.5	69.5
8/28/2015	9:38	52.1	52.1	51.9	48.7	49.1	48.3	49.0	49.4	48.7	55.1	55.5	54.7
8/28/2015	9:40	49.5	49.7	49.4	48.5	48.6	48.2	47.0	47.2	46.8	50.5	50.9	50.2
8/28/2015	9:42	43.3	44.0	42.6	54.1	54.2	54.0	51.6	51.7	51.4	51.3	51.5	50.9
8/28/2015	9:44	44.3	44.6	43.8	55.3	55.5	55.1	53.4	53.8	53.0	56.9	56.9	55.9
8/28/2015	9:46	47.1	47.6	46.2	61.7	62.3	61.1	70.9	71.8	69.7	67.8	68.3	67.3
8/28/2015	9:48	54.1	55.9	51.9	60.7	60.8	60.5	67.3	67.5	67.2	70.2	70.4	69.9
8/28/2015	9:50	50.8	50.9	50.5	64.8	65.1	64.4	69.4	69.6	69.1	73.4	73.7	73.0
8/28/2015	9:52	50.7	51.1	50.3	65.3	65.4	65.0	70.5	70.7	70.3	74.2	74.5	73.9
8/28/2015	9:54	53.1	53.4	52.8	66.1	66.4	65.9	70.2	70.5	69.9	74.2	74.6	73.7
8/28/2015	9:56	52.9	53.4	52.3	64.1	64.4	63.8	66.4	66.8	66.1	74.0	74.4	73.7
8/28/2015	9:58	45.3	45.9	45.0	57.4	57.6	57.2	59.7	60.0	59.5	72.8	73.0	72.6
8/28/2015	10:00	41.0	41.2	40.8	55.9	56.1	55.7	58.4	58.7	58.3	72.1	72.3	71.9
8/28/2015	10:02	39.5	39.7	39.3	53.0	53.2	53.0	49.1	49.2	49.0	47.9	48.4	47.4
8/28/2015	10:04	41.1	41.4	40.8	48.7	49.7	47.2	50.4	51.7	47.9	53.2	53.5	52.9
8/28/2015	10:06	44.0	44.6	43.4	54.0	54.4	53.5	58.0	58.6	57.3	64.6	64.8	64.3
8/28/2015	10:08	42.4	42.8	41.9	54.9	55.1	54.6	57.6	57.9	57.3	69.0	69.2	68.7
8/28/2015	10:10	48.0	48.4	47.6	64.5	64.8	64.2	67.0	67.4	66.6	73.5	73.9	73.2
8/28/2015	10:12	47.8	48.2	47.5	64.2	64.5	63.9	66.3	66.7	65.9	73.2	73.8	72.6
8/28/2015	10:14	47.3	47.7	46.8	64.8	65.1	64.6	67.4	67.7	67.1	73.6	74.0	73.1

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/28/2015	10:16	47.2	47.7	46.8	58.4	58.7	58.2	60.3	60.6	60.0	71.4	71.7	71.0
8/28/2015	10:18	50.5	50.8	50.2	64.3	64.6	64.0	67.0	67.3	66.6	75.2	75.4	74.6
8/28/2015	10:20	51.2	51.8	50.4	63.4	63.8	63.0	66.0	66.5	65.5	71.5	72.5	71.2
8/28/2015	10:22	47.7	48.1	47.3	57.8	58.0	57.6	60.3	60.6	60.0	73.9	74.2	73.7
8/28/2015	10:24	47.9	48.5	47.2	55.7	56.1	55.3	59.1	59.5	58.6	72.1	72.6	71.6
8/28/2015	10:26	43.6	43.8	43.3	58.4	58.8	58.1	61.7	62.0	61.4	73.9	75.1	72.9
8/28/2015	10:28	50.2	50.7	49.8	63.9	64.3	63.6	66.8	67.2	66.4	72.0	72.6	71.5
8/28/2015	10:30	43.7	44.1	43.4	57.5	57.8	57.2	61.5	61.9	61.1	74.0	75.1	72.4
8/28/2015	10:32	50.0	50.4	49.5	65.1	65.4	64.8	68.0	68.3	67.7	75.2	76.0	74.3
8/28/2015	10:34	48.6	49.0	48.1	62.4	62.8	62.0	65.1	65.6	64.6	69.1	69.7	68.5
8/28/2015	10:36	42.3	42.6	41.9	55.9	56.2	55.7	58.2	58.5	57.9	74.3	74.6	74.0
8/28/2015	10:38	45.2	46.6	44.0	57.6	57.9	57.1	61.4	61.6	60.9	74.5	75.6	73.3
8/28/2015	10:40	48.5	49.2	47.9	62.7	63.1	62.4	65.0	65.4	64.7	70.0	70.6	69.8
8/28/2015	10:42	48.1	49.5	46.8	53.5	53.8	53.3	55.2	55.4	54.9	74.8	75.2	74.3
8/28/2015	10:44	45.7	46.3	45.0	53.6	54.0	53.2	57.6	58.0	56.8	77.7	78.4	77.2
8/28/2015	10:46	48.0	49.6	46.9	53.6	53.8	53.4	56.6	57.2	56.5	74.3	74.6	73.9
8/28/2015	10:48	44.1	44.9	43.4	56.9	57.3	56.5	58.9	59.3	58.5	74.7	75.1	74.3
8/28/2015	10:50	46.0	46.6	45.5	67.3	67.8	66.7	65.5	65.8	65.2	75.4	76.0	74.9
8/28/2015	10:52	49.9	50.2	49.6	65.6	66.4	64.8	67.7	68.4	66.8	71.3	71.4	71.2
8/28/2015	10:54	46.9	47.4	46.2	63.1	63.9	62.6	66.4	67.0	65.7	73.2	73.9	72.1
8/28/2015	10:56	57.8	59.3	56.6	67.5	68.0	66.7	70.4	70.8	69.6	76.0	76.9	75.4
8/28/2015	10:58	51.9	52.8	51.2	67.4	67.7	67.1	70.7	71.0	70.5	77.2	77.8	76.7
8/28/2015	11:00	52.4	53.4	50.8	66.4	66.9	66.0	69.1	69.6	68.7	69.7	70.7	69.2
8/28/2015	11:02	50.6	51.2	50.1	68.4	69.2	67.7	75.5	76.5	74.4	---	---	---
8/28/2015	11:04	49.8	51.0	48.6	67.6	68.4	66.7	73.2	73.9	72.6	---	---	---
8/28/2015	11:06	46.3	46.9	45.7	66.4	67.1	65.5	72.0	72.5	71.5	---	---	---
8/28/2015	11:08	51.0	52.2	49.9	67.2	67.9	66.6	72.5	73.1	72.1	---	---	---
8/28/2015	11:10	47.4	48.4	47.1	65.6	66.3	64.8	71.4	71.8	71.1	---	---	---
8/28/2015	11:12	47.7	48.7	46.9	64.2	65.2	63.2	72.4	73.0	71.8	72.5	73.3	71.6
8/28/2015	11:14	47.6	47.9	47.1	65.2	65.4	64.9	72.2	72.4	72.0	76.0	76.4	75.7
8/28/2015	11:16	50.5	50.9	50.1	64.7	65.0	64.5	69.9	70.2	69.6	76.2	76.7	75.7
8/28/2015	11:18	49.5	50.2	49.1	63.2	63.6	62.8	65.9	66.3	65.4	74.8	75.3	74.2
8/28/2015	11:20	42.2	42.5	41.9	55.6	55.9	55.3	59.0	59.3	58.7	72.9	73.2	72.6
8/28/2015	11:22	41.3	41.6	40.9	55.7	56.2	55.0	59.5	59.7	59.3	73.4	73.6	73.2
8/28/2015	11:24	48.8	49.3	48.2	66.8	67.3	66.4	72.6	73.1	72.0	75.2	75.4	75.0
8/28/2015	11:26	46.3	46.9	45.7	57.7	58.0	57.4	60.3	60.6	60.0	73.5	73.7	73.2
8/28/2015	11:28	44.7	45.0	44.4	58.2	58.5	58.0	62.2	62.5	61.9	76.1	76.6	75.5
8/28/2015	11:30	51.3	51.7	50.7	63.7	64.1	63.4	66.5	66.9	66.1	74.7	75.1	74.3
8/28/2015	11:32	56.6	57.1	56.1	62.9	63.2	62.5	65.8	66.2	65.4	75.8	76.2	75.3
8/28/2015	11:34	48.1	48.3	47.5	65.2	65.4	64.9	67.3	67.6	67.1	76.7	77.5	76.1
8/28/2015	11:36	51.0	51.5	50.7	64.3	64.6	63.9	58.5	58.6	58.2	75.5	75.7	75.2
8/28/2015	11:38	45.5	46.3	44.8	54.2	54.6	53.9	---	---	---	73.4	73.6	73.2
8/28/2015	11:40	40.4	40.6	40.2	49.6	49.9	49.4	---	---	---	70.9	71.2	70.8
8/28/2015	11:42	43.8	44.2	43.4	48.1	48.3	48.0	---	---	---	66.2	66.4	66.1
8/28/2015	11:44	44.3	44.5	44.1	53.6	53.9	53.2	---	---	---	71.5	72.4	70.7
8/28/2015	11:46	47.3	47.4	46.8	63.8	64.0	63.3	---	---	---	74.9	75.4	74.4
8/28/2015	11:48	49.7	50.2	49.4	62.7	63.1	62.4	65.5	65.9	65.1	74.1	74.7	73.4
8/28/2015	11:50	48.7	49.1	48.3	58.5	59.2	58.1	62.1	62.4	61.8	76.1	76.7	75.4
8/28/2015	11:52	49.8	50.2	49.5	---	---	---	67.5	67.8	67.1	76.0	76.7	75.3
8/28/2015	11:54	49.3	49.7	48.9	---	---	---	65.5	65.9	65.0	71.8	72.2	71.5
8/28/2015	11:56	43.4	44.2	42.8	---	---	---	57.1	57.8	56.4	71.8	72.2	71.5
8/28/2015	11:58	43.8	44.1	43.4	---	---	---	58.2	58.8	57.6	71.7	72.1	71.3
8/28/2015	12:00	44.3	44.5	44.0	---	---	---	58.5	58.9	57.9	74.3	74.7	73.9
8/28/2015	12:02	44.0	44.3	43.6	58.4	59.1	57.6	60.9	61.3	60.4	75.8	76.3	75.3
8/28/2015	12:04	48.6	49.0	48.1	64.6	65.0	64.2	67.2	67.8	66.7	76.9	77.7	76.3
8/28/2015	12:06	48.5	49.2	48.1	62.9	63.2	62.4	65.4	65.9	65.0	75.8	76.2	75.4
8/28/2015	12:08	44.2	44.7	43.7	60.3	60.9	59.7	61.7	62.0	61.4	75.5	76.3	74.8
8/28/2015	12:10	52.2	52.8	51.6	64.9	65.2	64.5	67.5	67.8	67.2	76.6	77.1	76.0
8/28/2015	12:12	50.4	50.8	49.9	63.6	64.1	63.2	66.2	66.8	65.7	72.3	72.9	72.0
8/28/2015	12:14	47.7	48.5	46.9	59.2	59.9	58.4	60.8	61.4	60.2	74.5	75.0	74.1
8/28/2015	12:16	46.2	46.7	45.7	58.2	58.9	57.7	60.5	61.1	59.9	72.9	73.3	72.5
8/28/2015	12:18	46.4	46.7	46.1	59.4	59.6	58.9	64.0	64.2	63.5	76.4	76.7	76.1
8/28/2015	12:20	47.4	47.9	46.7	65.6	66.1	65.1	62.7	63.2	62.5	75.0	75.5	74.6
8/28/2015	12:22	48.2	48.6	47.7	63.7	63.9	63.2	66.5	66.8	66.1	74.2	74.6	73.9
8/28/2015	12:24	49.6	50.2	49.2	60.4	61.0	60.3	60.8	61.3	60.6	76.0	76.4	75.5
8/28/2015	12:26	46.5	47.0	45.9	59.4	59.7	59.2	61.7	62.0	61.4	77.9	78.7	77.1
8/28/2015	12:28	51.7	52.2	51.2	65.2	65.4	64.9	67.8	68.1	67.4	78.6	79.2	77.9

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/28/2015	12:30	47.6	48.1	47.2	65.3	65.6	64.8	72.7	73.2	72.0	75.1	75.7	74.6
8/28/2015	12:32	50.4	50.8	50.0	65.2	65.6	64.9	70.4	71.0	69.9	74.9	75.8	74.0
8/28/2015	12:34	49.1	49.6	48.7	65.4	66.0	64.9	70.0	70.7	69.4	69.0	69.2	68.8
8/28/2015	12:36	45.6	46.2	44.9	62.0	62.3	61.5	69.9	70.5	68.8	70.9	71.1	70.5
8/28/2015	12:38	48.0	48.5	47.6	62.5	62.9	62.1	69.6	70.6	68.5	72.3	72.7	72.1
8/28/2015	12:40	47.8	48.1	47.5	63.5	63.9	63.1	68.1	68.8	67.5	72.7	73.2	72.2
8/28/2015	12:42	51.6	51.9	51.2	65.8	66.3	65.4	70.1	70.7	69.5	72.8	73.2	72.4
8/28/2015	12:44	51.2	51.7	50.8	60.5	60.8	60.2	62.1	62.4	61.8	74.1	74.7	73.5
8/28/2015	12:46	52.0	52.3	51.7	65.4	65.7	65.1	67.8	68.2	67.4	74.7	75.3	74.2
8/28/2015	12:48	47.1	47.3	47.0	60.6	60.8	60.4	62.4	62.7	62.2	75.5	75.8	75.1
8/28/2015	12:50	51.7	52.1	51.3	64.2	64.6	63.8	66.8	67.2	66.4	74.4	74.8	74.1
8/28/2015	12:52	47.8	48.0	47.4	61.8	62.0	61.4	64.8	65.1	64.3	73.8	74.5	73.0
8/28/2015	12:54	51.2	51.7	50.8	63.7	63.9	63.3	65.9	66.1	65.5	71.7	72.8	70.7
8/28/2015	12:56	48.9	49.3	48.6	60.5	61.2	60.3	61.5	62.3	61.5	66.5	66.8	66.1
8/28/2015	12:58	46.3	46.7	45.9	55.5	55.9	55.2	57.7	58.0	57.3	66.7	67.0	66.4
8/28/2015	13:00	47.6	48.2	46.8	56.0	56.4	55.5	59.5	59.8	59.2	67.8	68.1	67.5
8/28/2015	13:02	45.7	46.0	45.4	66.9	67.3	66.4	66.5	66.8	66.1	67.8	68.0	67.5
8/28/2015	13:04	48.4	48.6	48.1	56.9	57.2	56.6	58.5	58.7	58.2	68.1	68.2	67.8
8/28/2015	13:06	51.1	51.7	50.6	60.6	60.8	60.3	63.5	63.7	63.2	76.0	76.6	75.4
8/28/2015	13:08	52.3	52.7	52.0	64.4	64.7	64.0	67.9	68.3	67.6	76.1	76.8	75.4
8/28/2015	13:10	51.5	51.9	51.1	64.1	64.6	63.8	67.3	67.8	66.8	75.7	76.5	74.9
8/28/2015	13:12	49.0	49.5	48.6	60.3	60.8	59.8	65.7	66.4	64.9	72.0	72.3	71.7
8/28/2015	13:14	51.2	51.7	50.7	65.5	66.0	65.0	68.0	68.4	67.7	72.2	72.9	71.7
8/28/2015	13:16	48.5	49.0	48.1	63.9	64.2	63.6	67.2	67.6	66.7	74.7	74.9	74.4
8/28/2015	13:18	51.3	51.8	50.7	60.7	61.0	60.3	62.6	63.1	62.2	77.1	77.6	76.8
8/28/2015	13:20	53.3	53.9	52.6	59.0	59.6	58.5	60.2	60.6	59.8	67.8	68.1	67.4
8/28/2015	13:22	49.2	49.7	48.7	60.0	60.4	59.5	62.2	62.5	61.8	68.5	68.9	68.1
8/28/2015	13:24	48.8	49.3	48.1	59.6	60.0	59.2	67.6	68.2	66.9	67.1	67.4	66.7
8/28/2015	13:26	47.1	47.4	46.7	62.5	62.9	62.0	70.2	70.9	69.0	72.4	72.9	72.0
8/28/2015	13:28	49.4	49.6	48.9	64.6	64.9	64.4	68.4	68.6	68.1	74.7	75.6	74.0
8/28/2015	13:30	50.6	51.2	50.4	65.0	65.3	64.7	69.1	69.6	68.7	76.1	76.8	75.5
8/28/2015	13:32	49.4	49.7	48.9	65.7	66.0	65.4	69.2	69.5	68.9	72.9	73.4	72.4
8/28/2015	13:34	50.0	50.6	49.5	63.4	63.6	63.1	67.8	68.1	67.6	69.6	70.2	69.1
8/28/2015	13:36	48.5	48.8	48.2	61.0	61.4	60.9	64.4	64.6	64.3	66.6	66.9	66.2
8/28/2015	13:38	44.4	44.6	44.2	59.3	59.5	59.1	63.2	63.3	63.1	66.4	66.7	66.2
8/28/2015	13:40	45.0	45.4	44.6	58.9	59.1	58.7	63.3	63.4	63.3	65.6	66.0	65.4
8/28/2015	13:42	44.4	44.7	44.1	59.8	60.0	59.6	63.5	63.6	63.4	70.7	71.0	70.3
8/28/2015	13:44	44.1	44.6	43.7	59.2	59.3	59.0	64.1	64.2	63.9	73.6	74.0	73.2
8/28/2015	13:46	46.7	47.2	46.4	63.2	63.7	62.8	70.5	71.3	69.6	75.7	76.2	75.1
8/28/2015	13:48	51.4	51.7	51.0	66.1	66.4	65.8	70.6	71.2	70.1	74.5	74.9	74.0
8/28/2015	13:50	51.6	51.9	51.2	65.8	66.3	65.4	71.3	72.0	70.5	85.7	86.9	84.3
8/28/2015	13:52	47.1	47.5	46.7	63.3	64.0	62.7	68.8	69.6	68.0	70.3	70.5	70.2
8/28/2015	13:54	45.3	45.9	44.8	63.3	63.9	62.6	67.9	68.5	67.4	67.6	67.6	67.5
8/28/2015	13:56	44.9	45.5	44.4	66.1	66.9	65.2	69.9	70.8	69.0	69.0	69.3	68.8
8/28/2015	13:58	46.4	46.7	46.0	62.0	62.3	61.6	68.6	69.4	68.0	72.4	72.6	72.2
8/28/2015	14:00	47.7	48.1	47.4	61.5	62.0	61.1	67.7	68.3	67.3	72.8	73.1	72.5
8/28/2015	14:02	48.1	48.3	47.9	61.0	61.1	60.7	67.2	67.3	66.9	74.9	75.3	74.6
8/28/2015	14:04	52.1	52.5	51.7	65.0	65.3	64.7	70.2	70.8	69.8	75.1	75.5	74.8
8/28/2015	14:06	50.9	51.3	50.5	64.6	64.9	64.3	69.7	70.2	69.2	72.9	73.2	72.5
8/28/2015	14:08	50.1	50.4	49.5	66.8	67.2	66.3	71.4	71.9	70.9	75.4	75.7	75.0
8/28/2015	14:10	53.6	54.2	53.0	68.6	69.2	68.0	70.6	71.5	69.9	73.0	73.4	72.7
8/28/2015	14:12	51.7	52.0	51.4	64.6	65.0	64.2	71.6	72.2	70.6	76.3	76.7	76.0
8/28/2015	14:14	52.8	53.1	52.4	66.0	66.4	65.6	68.8	69.1	68.6	74.1	74.7	73.3
8/28/2015	14:16	46.8	47.7	46.1	63.1	63.6	62.6	68.3	68.8	67.5	73.3	74.1	72.5
8/28/2015	14:18	---	---	---	71.3	72.1	70.4	68.0	68.5	67.4	72.7	73.6	71.7
8/28/2015	14:20	---	---	---	66.5	66.9	66.1	69.6	69.9	69.2	73.4	73.9	72.9
8/28/2015	14:22	---	---	---	66.8	67.2	66.4	70.3	70.7	70.0	76.2	76.7	75.6
8/28/2015	14:24	---	---	---	66.0	66.5	65.6	68.7	69.0	68.3	68.8	69.4	68.7
8/28/2015	14:26	---	---	---	66.6	67.3	65.9	67.8	68.3	67.4	73.0	73.3	72.7
8/28/2015	14:28	---	---	---	64.7	65.1	64.1	66.0	66.5	65.4	75.2	75.6	74.7
8/28/2015	14:30	54.1	55.8	52.0	65.5	65.9	65.2	67.8	68.2	67.5	68.0	68.5	67.7
8/28/2015	14:32	47.9	48.3	47.6	57.1	57.3	56.9	59.6	59.8	59.4	67.8	68.0	67.5
8/28/2015	14:34	48.2	48.6	47.9	60.4	60.6	60.1	63.4	63.6	63.1	75.8	76.2	75.3
8/28/2015	14:36	52.0	52.2	51.7	65.2	65.5	65.0	68.5	68.8	68.2	73.6	73.8	73.3
8/28/2015	14:38	51.3	51.6	51.0	63.7	64.0	63.3	67.1	67.5	66.7	74.5	74.9	74.1
8/28/2015	14:40	53.6	54.0	53.2	65.3	65.6	64.9	68.8	69.1	68.4	83.0	84.2	81.1
8/28/2015	14:42	53.0	53.3	52.8	65.2	65.5	64.8	68.0	68.4	67.6	70.8	71.2	70.3

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/28/2015	14:44	49.8	50.1	49.5	60.3	61.0	59.8	64.9	65.2	64.6	68.4	69.3	67.9
8/28/2015	14:46	46.8	47.0	46.5	59.1	59.6	58.6	67.3	68.4	66.4	73.7	74.4	72.3
8/28/2015	14:48	48.5	48.8	48.3	56.5	56.8	56.2	59.8	60.1	59.6	76.3	77.1	75.5
8/28/2015	14:50	49.1	49.3	48.8	60.2	60.4	59.9	63.1	63.2	62.8	74.2	74.7	73.7
8/28/2015	14:52	53.0	53.2	52.6	68.4	68.7	68.0	69.8	70.2	69.3	76.3	76.9	75.7
8/28/2015	14:54	53.7	53.9	53.4	65.8	66.0	65.5	69.0	69.2	68.7	72.6	72.8	72.3
8/28/2015	14:56	54.3	54.7	54.0	64.3	64.7	64.0	68.1	68.5	67.7	75.0	75.4	74.6
8/28/2015	14:58	52.4	52.8	52.1	64.9	65.2	64.6	68.4	68.8	68.1	68.2	68.6	67.8
8/28/2015	15:00	52.8	53.2	52.3	64.9	65.2	64.6	68.2	68.6	67.9	71.4	71.8	70.9
8/28/2015	15:02	48.1	48.3	47.9	59.8	60.1	59.5	62.9	63.3	62.5	70.4	70.9	70.1
8/28/2015	15:04	49.3	49.6	49.0	59.4	60.1	58.8	65.1	65.8	64.3	64.0	64.4	63.7
8/28/2015	15:06	49.2	49.5	48.8	55.2	55.5	54.8	58.1	58.3	57.7	63.3	63.6	62.9
8/28/2015	15:08	48.6	49.0	48.4	59.9	60.1	59.6	63.8	64.1	63.4	73.2	73.8	72.4
8/28/2015	15:10	51.9	52.2	51.5	65.6	66.1	65.0	68.6	69.0	68.2	73.9	74.3	73.5
8/28/2015	15:12	52.3	52.7	51.9	65.6	65.9	65.2	68.6	69.0	68.3	73.3	73.9	72.8
8/28/2015	15:14	50.4	50.8	50.1	64.3	64.6	64.0	68.0	68.2	67.7	69.2	70.2	68.3
8/28/2015	15:16	53.0	53.2	52.7	65.5	65.8	65.1	69.3	69.7	68.9	70.6	70.8	69.7
8/28/2015	15:18	54.9	55.3	54.4	63.6	63.8	63.3	68.0	68.2	67.7	73.2	74.0	72.6
8/28/2015	15:20	52.2	52.6	51.9	64.2	64.6	63.9	67.8	68.2	67.5	69.0	69.3	68.8
8/28/2015	15:22	52.2	52.5	51.9	62.6	62.9	62.5	64.6	65.0	64.6	60.2	60.5	59.8
8/28/2015	15:24	47.9	48.1	47.6	53.5	53.7	53.3	56.7	56.8	56.5	58.2	58.3	57.7
8/28/2015	15:26	48.6	48.9	48.3	61.4	61.7	61.1	66.3	66.6	65.9	73.0	73.8	72.0
8/28/2015	15:28	53.1	53.5	52.7	65.2	65.8	64.7	68.6	69.3	67.9	75.0	75.5	74.2
8/28/2015	15:30	49.3	49.6	49.0	62.1	62.4	61.8	66.6	66.9	66.3	73.2	73.9	72.7
8/28/2015	15:32	51.9	52.3	51.4	65.6	65.9	65.3	68.8	69.1	68.5	68.3	69.2	67.8
8/28/2015	15:34	50.7	51.0	50.4	64.8	65.1	64.5	68.9	69.1	68.6	70.3	70.5	70.0
8/28/2015	15:36	50.1	50.3	49.8	65.2	65.5	64.8	71.8	72.1	71.5	72.3	72.8	71.9
8/28/2015	15:38	51.2	51.6	50.8	63.3	63.6	63.2	70.5	70.7	70.3	64.4	65.3	63.6
8/28/2015	15:40	50.4	50.8	50.0	63.8	64.2	63.6	68.9	69.1	68.7	58.4	58.7	58.2
8/28/2015	15:42	45.1	45.5	44.8	59.0	59.1	58.9	66.4	66.5	66.3	58.0	58.2	57.5
8/28/2015	15:44	47.8	48.4	47.2	60.5	60.8	60.4	67.4	67.5	67.3	58.5	59.1	58.2
8/28/2015	15:46	47.3	48.0	46.6	59.1	59.3	58.9	66.0	66.1	65.9	50.2	50.5	49.9
8/28/2015	15:48	50.5	51.0	49.6	59.3	59.4	59.1	65.9	66.0	65.8	54.1	54.3	53.7
8/28/2015	15:50	50.5	51.4	49.8	65.2	66.0	64.5	69.3	69.8	68.7	76.1	76.6	75.4
8/28/2015	15:52	52.2	52.8	51.6	66.6	66.9	66.2	69.8	70.0	69.5	65.8	66.9	65.4
8/28/2015	15:54	51.9	52.4	51.5	65.8	66.2	65.4	69.5	69.8	69.0	64.4	65.1	63.4
8/28/2015	15:56	53.6	54.5	52.7	65.0	65.4	64.7	68.7	69.1	68.3	65.6	65.9	65.1
8/28/2015	15:58	44.5	44.9	44.2	57.7	58.7	56.7	63.2	64.3	61.9	61.2	62.0	61.4
8/28/2015	16:00	43.8	44.1	43.6	45.9	46.3	45.7	48.5	49.0	48.2	49.1	49.7	48.6
8/28/2015	16:02	48.0	48.2	47.3	47.0	47.3	46.6	48.7	48.9	48.4	49.0	49.3	48.6
8/28/2015	16:04	55.0	56.8	52.8	51.6	52.4	50.7	53.8	54.8	52.8	56.3	57.3	55.2
8/28/2015	16:06	47.5	48.0	47.0	51.2	51.7	50.5	52.8	53.5	52.1	52.7	53.7	51.6
8/28/2015	16:08	47.1	47.8	46.2	53.4	54.4	51.8	57.3	58.1	55.5	60.6	62.0	59.2
8/28/2015	16:10	50.2	50.8	49.3	58.4	59.6	57.0	61.1	62.3	59.4	61.1	63.1	59.7
8/28/2015	16:12	44.8	45.1	44.7	40.5	40.9	40.3	42.1	42.3	42.0	41.1	41.3	40.8
8/28/2015	16:14	41.8	42.1	41.4	42.5	42.8	42.0	43.9	44.1	43.6	41.7	41.9	41.4
8/28/2015	16:16	42.9	43.5	42.4	45.7	45.9	45.4	46.8	47.3	46.4	44.5	44.7	44.3
8/28/2015	16:18	42.5	42.9	42.1	44.7	44.9	44.6	45.9	46.2	45.7	45.3	45.5	45.2
8/28/2015	16:20	45.1	45.5	44.7	46.0	46.7	45.4	49.3	50.3	48.1	46.4	47.0	45.8
8/28/2015	16:22	45.2	45.7	44.7	42.8	42.9	42.6	45.6	45.8	45.4	44.4	44.7	44.2
8/28/2015	16:24	43.8	44.2	43.3	44.2	44.5	43.9	46.5	46.9	46.0	46.0	46.3	45.6
8/28/2015	16:26	41.2	41.6	40.9	43.8	44.5	43.1	49.4	50.9	47.4	44.9	45.5	44.6
8/28/2015	16:28	42.2	42.5	41.9	45.6	46.0	45.2	49.0	49.5	48.6	43.2	43.6	42.9
8/28/2015	16:30	43.7	44.0	43.4	41.4	41.7	41.2	42.3	42.5	42.1	41.6	41.8	41.3
8/29/2015	7:00	44.2	44.6	43.9	44.6	45.0	44.3	48.4	49.2	47.8	48.2	49.5	46.9
8/29/2015	7:02	45.5	45.8	45.1	54.9	55.5	54.3	54.9	55.4	54.3	52.6	52.7	52.4
8/29/2015	7:04	47.0	47.6	46.5	50.3	50.5	50.1	52.9	53.1	52.8	53.7	53.8	53.6
8/29/2015	7:06	45.2	45.5	45.0	49.9	50.0	49.8	52.5	52.6	52.4	54.5	54.9	54.1
8/29/2015	7:08	49.3	49.6	49.0	59.3	59.8	58.9	63.5	63.9	63.0	61.7	62.2	61.2
8/29/2015	7:10	44.6	44.9	44.4	55.2	56.0	54.5	61.2	61.8	60.7	65.0	65.5	64.5
8/29/2015	7:12	43.7	44.1	43.4	51.5	51.9	50.8	56.0	56.3	55.2	60.5	60.9	59.9
8/29/2015	7:14	43.6	43.9	43.4	55.5	55.9	55.2	58.2	58.6	57.9	68.1	68.5	67.6
8/29/2015	7:16	44.1	44.3	43.9	55.2	55.7	54.7	57.1	57.6	56.5	70.2	70.8	69.5
8/29/2015	7:18	45.2	45.6	44.8	53.0	53.4	52.7	53.9	54.2	53.6	71.5	71.7	71.0
8/29/2015	7:20	44.8	45.1	44.5	64.5	65.6	63.3	67.0	67.6	66.1	69.5	70.2	69.3
8/29/2015	7:22	46.0	46.6	45.3	64.5	65.3	63.6	68.3	69.0	67.5	66.7	67.0	66.3
8/29/2015	7:24	44.8	45.6	43.9	53.9	54.9	53.2	55.4	56.3	55.1	77.3	78.6	76.3

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/29/2015	7:26	44.4	44.7	44.0	54.7	55.2	54.3	57.2	57.5	56.9	76.5	77.1	75.8
8/29/2015	7:28	44.2	44.5	43.9	56.7	57.0	56.5	60.8	61.0	60.5	72.6	73.3	72.0
8/29/2015	7:30	43.7	44.0	43.4	57.7	58.1	57.2	63.5	63.8	63.1	70.9	71.3	70.5
8/29/2015	7:32	46.5	47.2	45.5	61.4	62.4	60.5	68.8	69.6	67.9	70.6	71.4	69.9
8/29/2015	7:34	49.8	50.7	48.8	58.1	59.0	57.1	63.2	63.6	62.9	69.0	69.5	68.6
8/29/2015	7:36	48.2	48.7	47.7	67.7	68.3	66.9	77.3	78.4	76.4	73.5	74.0	72.9
8/29/2015	7:38	46.5	46.9	46.2	62.0	62.5	61.5	69.8	70.5	69.3	70.2	70.6	69.9
8/29/2015	7:40	48.6	49.0	48.1	62.6	63.0	62.2	65.4	65.7	65.0	71.1	71.4	70.8
8/29/2015	7:42	45.7	46.0	45.3	57.6	57.7	57.1	60.6	60.6	59.9	72.3	72.6	71.9
8/29/2015	7:44	48.2	48.6	47.8	62.1	62.5	61.8	64.4	64.9	64.2	70.1	70.4	69.9
8/29/2015	7:46	45.8	46.2	45.3	50.8	50.9	50.5	51.1	51.2	50.7	66.5	66.6	66.2
8/29/2015	7:48	48.4	48.8	48.0	64.2	64.8	63.5	66.7	67.3	66.2	73.2	73.7	72.8
8/29/2015	7:50	50.2	50.5	49.8	64.5	64.8	64.2	67.4	67.7	67.1	73.9	74.2	73.6
8/29/2015	7:52	50.0	50.5	49.6	63.0	63.4	62.6	65.8	66.2	65.3	71.8	72.1	71.6
8/29/2015	7:54	45.2	45.7	44.9	53.0	53.4	52.7	55.2	55.6	54.8	70.6	70.9	70.2
8/29/2015	7:56	50.6	50.7	50.1	62.7	63.0	62.3	65.6	66.0	65.1	73.2	73.6	72.9
8/29/2015	7:58	50.1	50.7	49.7	64.2	64.7	63.7	67.7	68.3	66.9	74.9	75.1	74.6
8/29/2015	8:00	48.0	49.2	47.4	60.1	61.7	57.6	65.0	67.3	63.1	80.3	82.1	76.8
8/29/2015	8:02	45.9	48.1	44.6	52.9	53.4	52.3	54.7	55.3	54.1	74.5	74.8	74.1
8/29/2015	8:04	53.4	54.1	52.6	64.9	65.6	64.2	66.0	66.5	65.5	73.7	74.0	73.6
8/29/2015	8:06	45.6	46.2	45.4	50.9	51.3	50.7	52.5	52.9	52.3	70.6	70.7	70.5
8/29/2015	8:08	43.6	44.0	43.2	54.1	54.4	53.9	56.4	56.6	56.2	74.5	74.7	74.3
8/29/2015	8:10	48.8	49.1	48.3	64.4	64.8	64.1	67.5	67.8	67.1	78.3	79.0	77.3
8/29/2015	8:12	47.5	47.9	47.0	63.5	63.9	63.1	66.3	66.7	65.8	77.0	77.2	76.8
8/29/2015	8:14	47.9	48.4	47.5	62.2	62.7	61.9	65.0	65.4	64.6	77.0	77.3	76.7
8/29/2015	8:16	48.5	48.9	48.1	62.7	63.0	62.3	65.4	65.9	65.0	77.4	77.7	77.2
8/29/2015	8:18	39.8	40.1	39.5	50.0	50.2	49.8	52.9	53.0	52.8	70.9	71.1	70.8
8/29/2015	8:20	37.8	38.0	37.7	47.6	47.7	47.4	50.1	50.2	49.9	70.0	70.2	69.9
8/29/2015	8:22	40.6	40.8	40.3	52.1	52.3	51.9	55.3	55.5	55.0	70.9	71.2	70.7
8/29/2015	8:24	42.5	42.8	42.2	57.6	57.8	57.2	63.9	64.3	63.4	71.6	71.8	71.3
8/29/2015	8:26	47.1	47.8	46.4	62.1	63.7	60.5	66.5	68.1	63.8	79.0	80.3	78.1
8/29/2015	8:28	48.4	49.0	47.9	63.2	63.6	62.9	65.8	66.3	65.4	78.1	78.4	77.9
8/29/2015	8:30	48.5	48.9	48.1	64.3	64.6	64.0	67.4	67.7	67.1	78.2	78.4	78.0
8/29/2015	8:32	46.7	47.2	46.3	63.6	63.9	63.1	67.1	67.5	66.4	78.4	78.7	78.1
8/29/2015	8:34	49.6	50.0	48.9	65.6	66.0	64.9	71.4	72.2	70.3	78.7	79.0	78.5
8/29/2015	8:36	49.1	49.8	48.5	64.3	64.9	64.1	69.5	70.7	69.1	72.0	72.4	72.0
8/29/2015	8:38	43.6	43.9	43.1	59.7	60.6	58.8	61.4	62.0	60.7	68.3	68.4	68.2
8/29/2015	8:40	46.1	46.5	45.7	54.8	55.2	54.4	56.1	56.3	55.6	73.3	73.8	72.7
8/29/2015	8:42	40.7	41.2	40.4	59.0	60.0	57.9	64.0	64.9	62.8	72.5	72.9	72.4
8/29/2015	8:44	45.4	46.3	44.3	52.4	52.5	52.0	52.2	52.3	51.9	71.0	71.1	70.6
8/29/2015	8:46	42.5	42.9	42.2	59.3	59.4	58.8	62.9	63.0	62.2	78.3	78.5	78.1
8/29/2015	8:48	46.6	47.3	46.1	63.2	63.6	62.9	63.5	64.1	63.4	79.7	79.9	79.5
8/29/2015	8:50	47.0	47.5	46.5	64.9	65.1	64.5	67.5	67.8	67.1	80.4	80.7	80.3
8/29/2015	8:52	47.8	49.3	46.4	63.3	63.7	62.9	65.9	66.4	65.5	81.2	81.4	80.9
8/29/2015	8:54	47.6	48.5	46.5	62.3	62.6	62.0	64.0	64.5	63.7	80.8	81.0	80.6
8/29/2015	8:56	48.2	48.7	47.7	62.8	63.3	62.5	65.5	66.0	65.0	77.8	78.1	77.6
8/29/2015	8:58	41.3	42.1	40.5	55.2	57.5	52.5	41.6	42.4	41.4	72.2	73.7	71.3
8/29/2015	9:00	40.3	40.8	39.9	49.4	49.6	49.3	---	---	---	69.7	69.8	69.6
8/29/2015	9:02	42.0	42.7	41.3	49.9	50.0	49.7	---	---	---	69.0	69.1	69.0
8/29/2015	9:04	43.3	43.5	41.0	56.0	56.3	55.7	---	---	---	77.8	78.0	77.4
8/29/2015	9:06	49.4	50.3	49.0	64.3	64.7	63.9	---	---	---	78.3	78.6	78.0
8/29/2015	9:08	54.5	55.4	53.7	56.3	57.8	53.6	---	---	---	74.6	75.2	74.0
8/29/2015	9:10	51.6	52.4	50.7	---	---	---	---	---	---	67.3	67.4	67.1
8/29/2015	9:12	52.5	53.0	52.1	---	---	---	---	---	---	67.8	68.1	67.6
8/29/2015	9:14	40.9	41.7	40.4	---	---	---	---	---	---	76.3	76.5	76.0
8/29/2015	9:16	48.3	49.2	47.4	---	---	---	---	---	---	76.0	76.5	75.7
8/29/2015	9:18	45.7	45.9	45.2	---	---	---	---	---	---	75.8	76.2	75.4
8/29/2015	9:20	49.5	50.0	49.0	---	---	---	---	---	---	75.4	75.8	75.0
8/29/2015	9:22	47.5	48.1	47.2	---	---	---	---	---	---	73.4	73.9	73.0
8/29/2015	9:24	49.5	50.0	48.9	64.2	64.9	63.6	---	---	---	72.6	72.9	72.2
8/29/2015	9:26	46.2	46.4	45.6	64.4	64.7	64.0	---	---	---	72.0	72.8	71.2
8/29/2015	9:28	48.9	49.4	48.5	61.0	61.3	60.7	---	---	---	68.8	69.4	68.0
8/29/2015	9:30	44.7	45.1	44.3	60.7	61.0	60.5	---	---	---	69.9	70.3	69.5
8/29/2015	9:32	45.9	46.6	44.9	62.8	63.7	61.7	---	---	---	71.9	72.4	71.3
8/29/2015	9:34	45.6	47.3	43.7	56.1	56.9	55.0	---	---	---	69.8	70.3	69.4
8/29/2015	9:36	50.2	52.4	47.8	59.5	60.2	58.6	---	---	---	73.4	74.0	72.8
8/29/2015	9:38	48.3	48.8	47.7	63.3	63.7	62.8	---	---	---	73.7	74.1	73.3

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/29/2015	9:40	51.4	51.9	51.0	63.4	63.8	63.1	---	---	---	72.3	72.8	71.9
8/29/2015	9:42	50.7	51.5	49.9	63.8	64.1	63.4	---	---	---	70.5	70.9	70.1
8/29/2015	9:44	47.2	47.7	46.9	66.8	67.4	66.2	---	---	---	72.1	72.4	71.7
8/29/2015	9:46	48.5	49.1	47.9	61.2	61.7	60.9	---	---	---	69.8	70.5	69.4
8/29/2015	9:48	49.5	50.0	49.0	64.0	64.3	63.7	---	---	---	68.5	69.4	67.6
8/29/2015	9:50	44.1	45.0	43.2	50.6	50.7	50.4	---	---	---	61.4	61.3	60.6
8/29/2015	9:52	41.3	41.9	40.8	55.4	55.6	55.1	---	---	---	67.9	68.2	67.6
8/29/2015	9:54	45.3	47.7	44.0	59.2	59.3	58.9	---	---	---	71.9	72.3	71.5
8/29/2015	9:56	48.1	48.7	47.5	64.9	65.2	64.6	---	---	---	67.6	68.2	67.1
8/29/2015	9:58	44.5	45.2	44.1	58.0	58.4	57.8	---	---	---	---	---	---
8/29/2015	10:00	46.5	46.9	46.0	63.2	63.6	62.9	---	---	---	---	---	---
8/29/2015	10:02	45.4	46.7	44.0	52.4	52.7	52.3	---	---	---	---	---	---
8/29/2015	10:04	40.8	41.3	40.4	52.4	52.7	52.2	---	---	---	---	---	---
8/29/2015	10:06	40.6	41.1	40.2	56.6	56.8	56.3	---	---	---	---	---	---
8/29/2015	10:08	43.2	44.0	41.6	61.9	61.9	61.2	---	---	---	65.8	66.3	65.3
8/29/2015	10:10	47.2	47.9	46.9	62.0	62.5	62.0	---	---	---	70.1	70.4	69.7
8/29/2015	10:12	48.4	49.0	47.7	64.2	64.5	63.8	---	---	---	69.3	69.8	68.8
8/29/2015	10:14	45.8	46.2	45.3	72.9	73.7	72.1	---	---	---	71.2	71.6	70.8
8/29/2015	10:16	45.0	45.4	44.6	70.3	70.9	69.6	---	---	---	65.5	66.1	65.1
8/29/2015	10:18	41.0	41.3	40.6	51.5	51.8	51.3	---	---	---	57.4	57.6	57.1
8/29/2015	10:20	39.7	40.1	39.4	50.1	50.3	49.9	---	---	---	57.8	58.2	57.4
8/29/2015	10:22	41.6	42.3	40.8	51.8	52.1	51.5	---	---	---	55.9	56.2	55.7
8/29/2015	10:24	45.9	47.2	44.4	53.2	53.3	53.0	---	---	---	57.2	57.3	56.7
8/29/2015	10:26	53.2	53.9	52.3	56.4	56.7	56.0	---	---	---	69.5	69.9	69.1
8/29/2015	10:28	48.6	49.1	48.1	64.5	64.8	64.1	---	---	---	69.4	69.9	68.9
8/29/2015	10:30	48.5	49.0	48.1	63.0	63.3	62.7	---	---	---	66.3	66.8	65.8
8/29/2015	10:32	43.9	45.0	42.9	56.2	56.5	55.8	---	---	---	68.4	68.6	68.0
8/29/2015	10:34	44.4	44.9	43.7	64.0	64.3	63.6	---	---	---	66.4	67.1	66.1
8/29/2015	10:36	47.6	48.2	47.1	56.5	57.3	56.7	---	---	---	62.6	62.6	62.2
8/29/2015	10:38	42.4	42.8	42.0	60.6	60.8	60.2	---	---	---	68.2	68.6	67.8
8/29/2015	10:40	47.6	48.2	46.9	62.9	63.3	62.6	---	---	---	61.2	61.7	61.0
8/29/2015	10:42	45.0	45.8	44.1	58.1	58.4	57.8	---	---	---	68.0	68.4	67.5
8/29/2015	10:44	48.2	48.9	47.7	62.5	62.8	62.1	---	---	---	71.6	72.4	70.8
8/29/2015	10:46	49.7	50.0	49.2	64.3	64.6	64.0	---	---	---	68.2	68.6	67.9
8/29/2015	10:48	53.6	54.1	53.1	71.1	71.6	70.5	---	---	---	68.2	68.6	67.7
8/29/2015	10:50	52.6	53.1	52.1	64.4	64.7	64.2	---	---	---	69.5	69.8	69.3
8/29/2015	10:52	51.2	51.9	50.6	64.3	64.5	64.0	---	---	---	67.9	68.1	67.6
8/29/2015	10:54	49.8	50.5	49.2	61.2	62.2	60.5	---	---	---	67.9	69.0	67.4
8/29/2015	10:56	46.3	47.2	45.6	56.1	56.4	55.8	---	---	---	60.6	61.1	60.3
8/29/2015	10:58	48.0	48.9	47.0	71.5	72.1	70.8	---	---	---	66.7	67.6	65.9
8/29/2015	11:00	48.9	49.4	48.4	64.8	65.2	64.5	---	---	---	64.4	64.8	63.9
8/29/2015	11:02	48.0	48.6	47.5	62.1	62.3	61.8	---	---	---	63.4	64.2	62.6
8/29/2015	11:04	47.0	47.4	46.6	62.2	62.4	61.9	---	---	---	65.8	65.9	65.3
8/29/2015	11:06	44.9	45.5	44.4	62.1	62.4	61.8	---	---	---	70.5	70.8	70.3
8/29/2015	11:08	47.5	48.3	46.7	63.4	63.7	63.1	---	---	---	69.0	69.4	68.7
8/29/2015	11:10	48.2	48.7	47.5	66.1	66.6	65.7	---	---	---	70.2	70.6	69.9
8/29/2015	11:12	46.0	46.2	45.5	66.0	66.3	65.7	---	---	---	69.6	70.0	69.2
8/29/2015	11:14	46.4	46.9	46.2	64.3	64.9	63.8	---	---	---	68.8	69.1	68.7
8/29/2015	11:16	48.8	49.3	48.2	65.4	65.7	65.2	---	---	---	68.5	69.0	68.2
8/29/2015	11:18	46.9	47.3	46.5	66.0	66.2	65.7	---	---	---	65.4	65.8	65.0
8/29/2015	11:20	47.7	48.2	47.3	64.0	64.4	63.7	---	---	---	64.1	64.6	63.7
8/29/2015	11:22	43.0	44.0	42.0	55.9	56.3	55.7	---	---	---	68.2	68.4	67.7
8/29/2015	11:24	42.2	42.6	41.9	60.0	60.3	59.6	---	---	---	69.8	70.2	69.3
8/29/2015	11:26	40.7	41.1	40.3	56.2	56.9	55.3	---	---	---	70.6	71.1	70.1
8/29/2015	11:28	37.8	38.0	37.5	53.6	54.3	53.5	---	---	---	64.9	65.0	64.8
8/29/2015	11:30	47.9	49.3	46.5	57.7	58.6	56.8	---	---	---	64.4	64.5	64.3
8/29/2015	11:32	42.5	42.8	42.1	54.7	54.9	54.3	---	---	---	72.1	72.4	71.8
8/29/2015	11:34	45.5	46.3	44.8	59.5	59.5	59.0	---	---	---	72.9	73.2	72.5
8/29/2015	11:36	52.4	53.3	51.3	63.7	64.1	63.5	---	---	---	72.5	73.1	72.2
8/29/2015	11:38	52.8	53.6	52.1	68.0	68.6	67.3	---	---	---	70.4	71.0	69.9
8/29/2015	11:40	51.0	51.9	50.1	62.6	63.1	62.3	---	---	---	69.0	69.8	68.4
8/29/2015	11:42	45.6	46.8	44.3	48.6	48.7	48.5	---	---	---	57.0	57.1	56.9
8/29/2015	11:44	42.4	43.4	41.4	49.9	50.2	49.6	---	---	---	59.3	59.6	59.0
8/29/2015	11:46	39.0	39.8	38.3	38.4	38.7	38.0	---	---	---	37.7	38.0	37.4
8/29/2015	11:48	41.2	42.5	39.9	42.4	42.5	42.2	---	---	---	38.0	38.2	37.7
8/29/2015	11:50	48.1	49.6	46.3	43.9	44.3	43.5	---	---	---	47.4	48.3	46.3
8/29/2015	11:52	53.5	54.7	52.1	43.4	43.8	43.1	---	---	---	41.0	41.5	40.6

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/29/2015	11:54	51.0	52.4	49.2	39.6	40.0	39.4	---	---	---	43.2	43.5	42.9
8/29/2015	11:56	46.3	47.6	44.8	50.4	50.3	49.8	---	---	---	44.2	44.5	43.8
8/29/2015	11:58	40.3	40.6	40.1	59.4	59.8	59.0	---	---	---	41.6	42.0	41.3
8/29/2015	12:00	41.1	41.4	40.8	42.2	42.6	41.8	---	---	---	42.0	42.4	41.4
8/29/2015	12:02	43.0	43.3	42.7	54.3	54.6	53.9	---	---	---	69.0	69.3	68.4
8/29/2015	12:04	47.6	48.0	47.1	63.6	64.0	63.2	---	---	---	70.8	71.2	70.3
8/29/2015	12:06	49.1	49.7	48.5	65.3	65.8	64.7	---	---	---	67.4	67.9	67.1
8/29/2015	12:08	44.1	44.7	43.7	57.4	59.0	57.0	---	---	---	66.0	66.7	65.2
8/29/2015	12:10	43.8	44.3	43.3	64.8	64.8	63.9	---	---	---	68.8	69.2	68.3
8/29/2015	12:12	45.9	46.3	45.4	63.5	64.4	63.2	---	---	---	66.9	67.4	66.5
8/29/2015	12:14	47.5	48.7	46.9	58.6	59.3	58.5	---	---	---	69.6	69.6	69.1
8/29/2015	12:16	44.9	46.3	43.5	59.6	60.5	58.7	---	---	---	71.0	71.6	70.4
8/29/2015	12:18	47.9	48.6	47.2	71.6	72.2	70.8	---	---	---	69.2	69.7	68.8
8/29/2015	12:20	49.8	51.0	48.6	56.9	58.0	56.8	---	---	---	60.3	60.6	60.1
8/29/2015	12:22	48.8	49.5	48.0	50.8	51.1	50.6	---	---	---	58.0	58.2	57.7
8/29/2015	12:24	48.5	49.1	47.8	57.9	58.1	57.6	---	---	---	69.5	69.8	69.1
8/29/2015	12:26	53.3	54.1	52.5	63.4	63.7	63.0	---	---	---	67.2	67.9	66.6
8/29/2015	12:28	52.9	53.9	51.7	53.8	54.4	53.4	---	---	---	64.6	65.7	63.8
8/29/2015	12:30	51.1	51.7	50.5	57.6	57.8	57.3	---	---	---	69.6	70.0	69.1
8/29/2015	12:32	55.0	55.9	54.0	63.9	64.3	63.4	---	---	---	66.4	66.9	66.0
8/29/2015	12:34	48.7	49.4	47.9	55.9	56.1	55.6	---	---	---	71.0	71.3	70.6
8/29/2015	12:36	51.0	51.6	50.5	61.2	61.4	60.8	---	---	---	70.5	70.8	70.3
8/29/2015	12:38	55.1	55.6	54.6	68.3	68.9	67.7	---	---	---	70.8	71.1	70.5
8/29/2015	12:40	52.9	53.4	52.4	61.7	61.8	61.4	---	---	---	69.3	69.7	68.9
8/29/2015	12:42	55.5	56.2	54.7	64.4	64.7	64.1	---	---	---	67.4	68.1	66.8
8/29/2015	12:44	57.0	57.8	56.1	66.0	67.2	63.8	---	---	---	62.5	63.7	61.6
8/29/2015	12:46	56.8	57.4	56.1	62.8	63.6	62.0	---	---	---	67.1	67.5	66.7
8/29/2015	12:48	57.7	58.3	57.1	60.2	60.7	58.8	---	---	---	56.9	57.4	56.2
8/29/2015	12:50	54.7	55.3	54.1	62.8	63.8	62.2	---	---	---	64.6	65.0	64.2
8/29/2015	12:52	54.1	54.8	53.4	49.1	49.9	48.3	---	---	---	55.6	56.6	54.6
8/29/2015	12:54	56.5	57.5	55.6	42.6	43.0	42.3	---	---	---	46.2	46.5	45.9
8/29/2015	12:56	55.5	56.5	54.4	43.8	44.2	43.3	---	---	---	47.2	47.7	46.7
8/29/2015	12:58	54.0	54.7	53.1	45.7	45.8	45.4	---	---	---	49.5	49.9	49.2
8/29/2015	13:00	54.8	55.8	53.7	49.4	50.3	48.5	---	---	---	52.7	53.8	51.6
8/29/2015	13:02	51.7	53.1	50.3	44.6	45.5	43.6	---	---	---	50.7	51.9	49.6
8/29/2015	13:04	38.2	38.7	37.8	45.2	45.5	45.0	---	---	---	41.0	41.2	40.8
8/29/2015	13:06	44.2	44.9	43.6	45.2	45.4	45.0	---	---	---	40.8	41.0	40.6
8/29/2015	13:08	40.9	42.2	39.5	41.7	41.9	41.5	---	---	---	37.9	38.0	37.7
8/29/2015	13:10	42.0	42.9	40.9	43.8	44.1	43.4	---	---	---	38.2	38.4	38.0
8/29/2015	13:12	40.6	41.5	39.5	43.6	44.2	43.3	---	---	---	38.4	38.6	38.1
8/29/2015	13:14	41.3	42.2	40.2	41.4	42.0	40.9	---	---	---	39.0	39.2	38.6
8/29/2015	13:16	43.1	44.0	42.3	44.1	44.5	43.6	---	---	---	40.0	40.3	39.7
8/29/2015	13:18	45.7	47.2	43.7	40.2	40.5	40.0	---	---	---	38.5	38.9	38.3
8/29/2015	13:20	40.7	41.5	39.9	37.0	37.3	36.7	---	---	---	37.1	37.2	36.9
8/29/2015	13:22	37.3	37.8	36.7	39.4	39.6	39.0	---	---	---	37.1	37.3	37.0
8/29/2015	13:24	44.7	46.1	43.3	43.7	44.6	42.6	---	---	---	44.4	45.3	43.0
8/29/2015	13:26	39.9	40.7	39.0	39.6	40.0	39.2	---	---	---	38.4	38.6	38.2
8/29/2015	13:28	50.0	51.4	48.3	43.3	44.4	42.0	---	---	---	43.2	44.3	42.0
8/29/2015	13:30	43.0	44.3	41.8	43.8	44.4	43.2	---	---	---	42.5	43.6	41.1
8/29/2015	13:32	45.8	47.2	44.2	45.6	46.6	44.6	---	---	---	44.5	45.6	43.0
8/29/2015	13:34	45.1	46.0	44.0	45.0	45.8	44.0	---	---	---	46.9	47.8	45.9
8/29/2015	13:36	51.7	53.3	49.9	44.5	46.4	42.6	---	---	---	43.4	44.4	42.2
8/29/2015	13:38	43.6	45.4	43.0	42.3	43.2	41.3	---	---	---	44.1	45.0	43.1
8/29/2015	13:40	47.1	48.2	45.7	43.4	44.7	41.9	---	---	---	44.8	45.9	43.3
8/29/2015	13:42	43.2	44.3	42.1	42.1	42.7	41.0	---	---	---	42.2	43.1	41.4
8/29/2015	13:44	49.3	50.6	47.9	48.5	49.7	47.2	---	---	---	48.7	49.8	47.3
8/29/2015	13:46	42.4	43.2	41.6	41.3	41.9	40.6	---	---	---	42.9	43.8	42.1
8/29/2015	13:48	41.6	42.2	40.7	39.0	39.3	38.5	---	---	---	39.8	40.1	39.4
8/29/2015	13:50	46.0	47.0	44.9	46.3	47.1	45.4	---	---	---	45.4	46.2	44.1
8/29/2015	13:52	40.1	40.9	39.2	39.6	40.2	39.1	---	---	---	40.4	41.1	39.7
8/29/2015	13:54	41.3	42.0	40.7	39.6	40.3	39.0	---	---	---	40.5	41.1	39.9
8/29/2015	13:56	41.4	42.1	40.7	42.0	42.7	41.2	---	---	---	41.0	41.5	40.3
8/29/2015	13:58	42.3	42.7	41.9	40.4	40.8	40.0	---	---	---	39.6	39.9	39.3
8/29/2015	14:00	38.6	39.0	38.3	42.5	42.9	42.1	---	---	---	39.5	39.7	39.2
8/29/2015	14:02	41.3	42.1	40.5	39.8	40.3	39.1	---	---	---	40.8	41.4	40.2
8/29/2015	14:04	41.1	42.7	39.5	38.3	38.6	38.1	---	---	---	38.9	39.1	38.7
8/29/2015	14:06	38.8	39.3	38.4	38.0	38.2	37.8	---	---	---	38.7	38.8	38.5

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/29/2015	14:08	41.0	41.4	40.6	38.4	38.8	38.0	---	---	---	39.6	40.1	39.3
8/29/2015	14:10	37.5	37.7	37.2	39.4	40.3	38.4	---	---	---	39.5	39.7	39.2
8/29/2015	14:12	49.5	50.8	47.7	48.6	49.8	47.4	---	---	---	49.0	50.3	47.4
8/29/2015	14:14	37.1	37.6	36.8	38.8	39.2	38.6	---	---	---	40.3	40.7	40.2
8/29/2015	14:16	38.6	39.0	38.2	39.3	39.7	39.0	---	---	---	39.7	40.0	39.5
8/29/2015	14:18	43.4	43.7	43.1	40.2	40.5	40.0	---	---	---	40.3	40.5	40.1
8/29/2015	14:20	41.9	42.6	41.4	41.7	42.0	41.4	---	---	---	41.3	41.6	41.1
8/29/2015	14:22	44.2	44.6	43.8	41.5	41.6	41.0	---	---	---	42.7	43.1	42.1
8/29/2015	14:24	44.2	44.7	43.8	41.7	42.1	41.5	---	---	---	41.6	42.0	41.5
8/29/2015	14:26	41.6	42.2	41.0	42.3	42.7	41.9	---	---	---	42.2	42.5	41.8
8/29/2015	14:28	43.7	44.2	43.2	42.4	42.7	42.1	---	---	---	42.7	43.0	42.4
8/29/2015	14:30	40.0	40.5	39.5	40.0	40.4	39.7	---	---	---	40.9	41.2	40.6
8/29/2015	14:32	40.6	41.3	39.8	39.0	39.4	38.7	---	---	---	40.4	40.7	40.2
8/29/2015	14:34	42.2	43.1	41.1	40.9	41.7	39.8	---	---	---	40.4	40.8	40.0
8/29/2015	14:36	40.4	40.9	40.0	39.7	40.4	39.2	---	---	---	41.6	42.0	41.1
8/29/2015	14:38	40.8	41.1	40.4	39.7	40.4	39.0	---	---	---	41.1	41.6	40.7
8/29/2015	14:40	41.4	41.7	41.0	39.2	39.6	38.9	---	---	---	42.1	42.4	41.7
8/29/2015	14:42	40.0	40.2	39.7	38.8	39.1	38.6	---	---	---	40.7	41.0	40.4
8/29/2015	14:44	45.9	46.9	44.9	38.3	38.5	38.2	---	---	---	40.8	41.1	40.6
8/29/2015	14:46	39.2	39.7	38.7	38.8	39.2	38.3	---	---	---	40.9	41.3	40.5
8/29/2015	14:48	38.5	38.9	38.1	39.2	39.6	38.8	---	---	---	41.4	41.8	41.0
8/29/2015	14:50	38.3	38.6	37.9	43.6	44.2	43.0	---	---	---	41.7	41.9	40.7
8/29/2015	14:52	45.3	46.6	43.8	45.9	46.0	45.7	---	---	---	48.0	48.9	47.4
8/29/2015	14:54	43.1	44.3	41.8	46.2	46.4	46.1	---	---	---	44.1	44.7	43.4
8/29/2015	14:56	46.9	47.7	46.0	43.0	43.3	42.7	---	---	---	46.7	47.5	45.9
8/29/2015	14:58	43.2	43.4	42.9	41.7	42.0	41.6	---	---	---	44.5	45.1	43.9
8/29/2015	15:00	40.7	40.9	40.4	39.5	39.7	39.2	---	---	---	41.4	41.9	40.9
8/29/2015	15:02	44.3	44.5	44.0	41.8	42.0	41.5	---	---	---	43.4	43.9	42.8
8/29/2015	15:04	42.9	43.5	42.5	43.7	44.1	43.5	---	---	---	46.5	47.2	45.8
8/29/2015	15:06	42.5	43.0	42.0	40.6	41.0	40.3	---	---	---	43.2	43.8	42.6
8/29/2015	15:08	40.6	41.0	40.1	41.4	41.8	41.0	---	---	---	45.1	45.8	44.4
8/29/2015	15:10	42.4	43.0	41.7	40.6	41.3	40.0	---	---	---	42.0	42.5	41.5
8/29/2015	15:12	41.2	42.0	40.5	40.8	41.0	40.5	---	---	---	41.3	41.5	41.0
8/29/2015	15:14	40.6	41.1	40.0	45.3	45.7	44.8	---	---	---	46.9	47.5	46.1
8/29/2015	15:16	38.1	38.4	37.8	52.3	52.9	51.6	---	---	---	42.3	42.6	42.0
8/29/2015	15:18	36.6	37.1	36.3	37.0	37.2	36.8	---	---	---	41.5	42.1	40.9
8/29/2015	15:20	39.5	40.4	38.6	43.2	43.3	43.0	---	---	---	41.7	42.3	41.2
8/29/2015	15:22	37.5	38.0	37.2	48.9	48.9	48.8	---	---	---	39.6	40.0	39.3
8/29/2015	15:24	35.0	35.3	34.8	49.2	49.3	49.1	---	---	---	38.5	38.8	38.2
8/29/2015	15:26	41.1	41.7	40.5	48.9	49.1	48.8	---	---	---	41.7	42.1	41.2
8/29/2015	15:28	40.8	41.2	40.3	45.8	46.0	45.5	---	---	---	40.3	40.6	39.9
8/29/2015	15:30	40.5	41.6	39.3	48.0	48.1	47.8	---	---	---	40.7	41.2	40.2
8/29/2015	15:32	39.2	39.7	38.5	47.4	47.6	47.3	---	---	---	39.9	40.3	39.6
8/29/2015	15:34	37.2	37.7	36.6	46.7	46.9	46.6	---	---	---	40.6	41.2	40.1
8/29/2015	15:36	40.1	40.7	39.3	48.9	49.1	48.6	---	---	---	41.3	42.0	40.7
8/29/2015	15:38	39.6	40.1	39.0	46.8	47.0	46.8	---	---	---	40.1	40.5	39.8
8/29/2015	15:40	37.1	37.5	36.7	36.8	37.1	36.5	---	---	---	39.3	39.7	39.0
8/29/2015	15:42	39.9	41.0	38.4	40.4	41.6	39.0	---	---	---	42.0	42.9	40.9
8/29/2015	15:44	39.0	39.6	38.4	37.2	37.4	37.0	---	---	---	39.6	40.0	39.4
8/29/2015	15:46	39.7	40.4	39.0	36.5	36.8	36.3	---	---	---	39.0	39.2	38.7
8/29/2015	15:48	35.1	35.4	34.8	36.7	37.0	36.4	---	---	---	39.7	40.0	39.4
8/29/2015	15:50	35.8	36.1	35.6	36.1	36.3	35.9	---	---	---	39.3	39.5	39.0
8/29/2015	15:52	37.0	37.6	36.4	37.0	37.4	36.7	---	---	---	39.5	39.7	39.2
8/29/2015	15:54	40.5	41.7	39.4	36.4	36.6	36.2	---	---	---	39.4	39.7	39.2
8/29/2015	15:56	37.7	38.6	36.6	35.9	36.3	35.4	---	---	---	39.0	39.3	38.7
8/29/2015	15:58	36.7	37.3	36.2	39.0	38.9	38.2	---	---	---	38.7	38.9	38.6
8/29/2015	16:00	38.6	39.1	38.2	50.5	50.5	50.4	---	---	---	39.2	39.4	39.0
8/29/2015	16:02	40.8	41.5	40.1	50.7	50.7	50.6	---	---	---	39.9	40.1	39.7
8/29/2015	16:04	42.8	43.7	42.1	50.5	50.6	50.4	---	---	---	39.4	39.6	39.2
8/29/2015	16:06	39.1	39.8	38.5	50.7	50.9	50.6	---	---	---	40.5	41.0	40.1
8/29/2015	16:08	42.2	42.7	41.5	50.4	50.5	50.3	---	---	---	39.8	40.1	39.5
8/29/2015	16:10	44.0	45.0	43.1	39.8	40.4	39.7	---	---	---	40.3	40.6	40.0
8/29/2015	16:12	45.2	46.9	43.3	38.5	38.9	38.1	---	---	---	39.5	39.8	39.3
8/29/2015	16:14	39.4	39.9	38.8	39.1	39.6	38.6	---	---	---	39.5	39.9	39.2
8/29/2015	16:16	39.4	39.9	38.7	39.3	39.8	38.8	---	---	---	40.5	40.8	40.1
8/29/2015	16:18	47.1	47.4	46.7	44.0	44.7	43.2	---	---	---	41.0	41.3	40.7
8/29/2015	16:20	48.5	48.8	48.0	42.2	42.9	41.5	---	---	---	41.9	42.4	41.4

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/29/2015	16:22	52.8	52.9	52.7	41.2	41.6	40.9	---	---	---	41.9	42.2	41.7
8/29/2015	16:24	51.8	52.0	51.7	40.0	40.4	39.7	---	---	---	41.1	41.4	40.8
8/29/2015	16:26	38.9	39.2	38.6	40.8	41.2	40.5	---	---	---	40.7	41.1	40.4
8/29/2015	16:28	39.3	39.5	38.9	39.6	39.8	39.3	---	---	---	40.5	40.7	40.2
8/29/2015	16:30	42.9	43.5	42.2	40.5	41.0	40.1	---	---	---	41.6	42.1	41.1
8/31/2015	7:00	44.3	44.6	43.9	50.8	51.0	50.6	55.6	55.9	55.3	51.3	51.5	51.1
8/31/2015	7:02	44.1	44.3	43.9	51.6	51.7	51.5	57.7	58.1	57.3	52.5	52.7	52.4
8/31/2015	7:04	44.2	44.5	43.9	58.5	58.9	57.9	63.7	64.1	63.0	59.0	59.4	58.1
8/31/2015	7:06	43.9	44.2	43.7	55.5	56.0	55.4	59.3	60.0	59.2	69.2	69.5	68.8
8/31/2015	7:08	43.8	44.2	43.6	52.2	53.0	51.5	53.1	53.8	52.4	63.6	64.4	62.9
8/31/2015	7:10	44.4	44.6	44.1	46.4	46.5	46.2	50.2	51.5	49.1	52.5	52.6	52.4
8/31/2015	7:12	43.5	43.8	43.3	49.1	49.4	48.8	50.4	50.7	50.1	58.4	58.8	57.9
8/31/2015	7:14	44.3	44.6	44.0	47.8	48.1	47.6	48.7	48.9	48.5	55.9	56.2	55.8
8/31/2015	7:16	45.3	45.6	44.9	48.5	48.9	48.0	49.8	50.4	49.2	57.2	57.8	56.5
8/31/2015	7:18	44.9	45.2	44.7	49.8	50.1	49.4	50.0	50.4	49.7	59.4	59.7	59.1
8/31/2015	7:20	44.5	44.7	44.3	49.4	49.8	49.1	48.3	48.6	48.0	57.3	57.7	57.0
8/31/2015	7:22	45.6	46.0	45.2	45.6	45.8	45.4	45.1	45.6	44.7	50.7	50.8	50.6
8/31/2015	7:24	46.7	47.1	46.4	48.9	49.2	48.5	48.5	49.2	47.9	52.2	52.4	52.0
8/31/2015	7:26	44.0	44.3	43.7	48.7	49.0	48.3	45.4	45.7	45.0	50.8	51.0	50.2
8/31/2015	7:28	44.4	44.8	44.0	47.2	47.5	46.9	46.3	46.7	45.9	53.1	54.0	52.5
8/31/2015	7:30	43.5	43.7	43.3	46.1	46.4	45.8	48.4	50.4	46.4	45.5	45.7	45.4
8/31/2015	7:32	44.8	45.1	44.5	46.3	46.9	45.7	45.9	46.7	45.3	48.5	48.8	48.0
8/31/2015	7:34	43.4	43.8	43.1	44.5	44.9	44.1	45.3	46.4	44.4	47.5	47.9	47.1
8/31/2015	7:36	44.3	44.7	43.9	45.6	46.1	45.0	44.6	45.0	44.1	47.4	47.9	46.9
8/31/2015	7:38	41.7	42.0	41.4	43.7	44.2	43.2	44.2	45.0	43.4	46.1	46.7	45.7
8/31/2015	7:40	44.4	44.9	43.8	46.0	47.0	44.6	45.1	46.1	43.6	50.0	51.4	48.4
8/31/2015	7:42	41.7	42.0	41.5	42.6	43.0	42.3	43.3	43.9	42.7	45.8	45.9	45.7
8/31/2015	7:44	44.3	44.5	44.0	44.3	44.5	44.1	44.4	44.5	44.2	46.4	46.5	46.3
8/31/2015	7:46	51.6	51.8	51.2	54.0	54.1	53.7	53.5	53.4	52.9	51.7	51.7	51.3
8/31/2015	7:48	49.4	50.1	49.0	63.3	64.0	62.7	69.2	69.6	68.8	65.6	65.8	65.3
8/31/2015	7:50	43.3	43.9	42.6	47.8	48.2	47.6	61.4	62.5	60.4	60.6	61.2	60.5
8/31/2015	7:52	46.1	46.5	45.6	---	---	---	67.4	67.7	67.0	63.6	63.8	63.3
8/31/2015	7:54	45.8	46.1	45.5	---	---	---	71.7	72.2	71.3	68.1	68.3	67.9
8/31/2015	7:56	51.3	51.8	50.7	---	---	---	71.1	71.3	70.9	67.2	67.4	67.0
8/31/2015	7:58	46.4	47.0	45.9	---	---	---	69.6	69.9	69.4	67.7	68.0	67.3
8/31/2015	8:00	47.2	47.5	46.8	---	---	---	68.7	69.1	68.4	73.0	73.6	72.5
8/31/2015	8:02	48.6	49.1	48.3	---	---	---	69.3	69.7	69.0	67.5	67.8	67.3
8/31/2015	8:04	47.8	48.4	47.2	---	---	---	68.2	68.8	67.7	68.2	68.5	67.9
8/31/2015	8:06	44.6	44.8	44.4	---	---	---	69.0	69.2	68.8	67.3	67.5	67.0
8/31/2015	8:08	44.3	44.5	44.2	---	---	---	69.6	69.8	69.4	67.4	67.6	67.2
8/31/2015	8:10	45.0	45.2	44.7	---	---	---	69.4	69.5	69.2	67.4	67.6	67.3
8/31/2015	8:12	44.1	44.3	44.0	---	---	---	69.5	69.6	69.3	67.4	67.7	67.3
8/31/2015	8:14	44.7	44.9	44.5	---	---	---	71.7	71.8	71.6	68.5	68.6	68.3
8/31/2015	8:16	45.6	45.9	45.3	---	---	---	72.3	72.4	72.1	67.0	67.1	66.7
8/31/2015	8:18	45.6	45.7	45.3	---	---	---	72.1	72.2	71.9	---	---	---
8/31/2015	8:20	46.1	46.3	45.8	---	---	---	72.1	72.3	72.0	---	---	---
8/31/2015	8:22	46.3	46.8	45.9	---	---	---	69.9	70.0	69.7	---	---	---
8/31/2015	8:24	47.2	47.8	46.7	---	---	---	69.1	69.2	69.0	---	---	---
8/31/2015	8:26	46.4	46.6	46.3	---	---	---	67.6	67.8	67.5	---	---	---
8/31/2015	8:28	46.0	46.3	45.8	---	---	---	67.7	67.9	67.6	---	---	---
8/31/2015	8:30	47.2	47.7	46.8	---	---	---	68.1	68.2	67.9	---	---	---
8/31/2015	8:32	46.0	46.4	45.6	---	---	---	67.8	67.9	67.7	---	---	---
8/31/2015	8:34	47.0	47.9	46.2	---	---	---	70.9	71.5	70.4	---	---	---
8/31/2015	8:36	48.0	48.4	47.5	---	---	---	68.6	68.9	68.4	---	---	---
8/31/2015	8:38	46.7	47.4	46.0	---	---	---	66.6	66.8	66.4	---	---	---
8/31/2015	8:40	47.5	48.5	46.1	---	---	---	67.5	67.7	67.4	---	---	---
8/31/2015	8:42	46.3	46.6	46.0	---	---	---	68.6	69.2	68.0	---	---	---
8/31/2015	8:44	48.2	49.1	47.5	---	---	---	66.3	66.5	66.0	---	---	---
8/31/2015	8:46	48.5	49.4	47.7	---	---	---	65.8	66.0	65.6	---	---	---
8/31/2015	8:48	47.6	48.0	47.1	---	---	---	65.2	65.4	65.0	---	---	---
8/31/2015	8:50	49.1	49.5	48.7	---	---	---	64.6	64.8	64.4	---	---	---
8/31/2015	8:52	49.0	49.5	48.7	---	---	---	63.6	63.9	63.4	---	---	---
8/31/2015	8:54	49.5	50.1	49.0	---	---	---	64.5	64.7	64.2	---	---	---
8/31/2015	8:56	47.5	48.2	47.0	---	---	---	62.0	62.3	61.9	---	---	---
8/31/2015	8:58	47.1	47.4	46.8	---	---	---	64.3	64.7	63.7	---	---	---
8/31/2015	9:00	47.2	47.6	47.0	---	---	---	67.4	68.2	66.6	---	---	---
8/31/2015	9:02	49.2	49.3	49.1	---	---	---	51.9	52.2	51.7	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/31/2015	9:04	49.5	49.7	49.4	---	---	---	53.7	54.0	53.5	---	---	---
8/31/2015	9:06	52.0	52.5	51.4	---	---	---	53.8	54.0	53.5	---	---	---
8/31/2015	9:08	47.0	47.5	46.6	---	---	---	55.0	55.2	54.8	---	---	---
8/31/2015	9:10	46.8	47.3	46.5	---	---	---	60.6	60.7	60.4	---	---	---
8/31/2015	9:12	48.0	48.3	47.8	---	---	---	61.0	61.3	60.8	---	---	---
8/31/2015	9:14	46.8	47.3	46.4	---	---	---	55.1	55.4	54.9	---	---	---
8/31/2015	9:16	46.3	46.6	45.8	---	---	---	59.6	60.8	58.2	---	---	---
8/31/2015	9:18	43.2	43.6	43.1	---	---	---	57.1	59.6	54.3	---	---	---
8/31/2015	9:20	45.1	45.3	44.9	---	---	---	58.7	59.1	58.2	---	---	---
8/31/2015	9:22	56.9	57.6	56.1	---	---	---	66.4	67.0	65.7	---	---	---
8/31/2015	9:24	53.1	54.2	51.9	---	---	---	62.5	63.2	61.8	---	---	---
8/31/2015	9:26	47.7	48.4	47.0	---	---	---	63.9	64.4	63.4	---	---	---
8/31/2015	9:28	53.7	54.4	52.9	---	---	---	61.7	62.3	61.2	---	---	---
8/31/2015	9:30	51.9	52.5	51.2	---	---	---	60.5	61.3	59.7	---	---	---
8/31/2015	9:32	48.5	48.8	48.2	---	---	---	63.1	64.0	62.3	---	---	---
8/31/2015	9:34	48.6	49.4	48.0	---	---	---	64.3	65.1	63.5	---	---	---
8/31/2015	9:36	47.4	47.7	47.1	---	---	---	62.6	62.8	62.2	---	---	---
8/31/2015	9:38	53.7	54.5	52.9	---	---	---	62.5	63.3	61.6	---	---	---
8/31/2015	9:40	44.9	45.3	44.6	---	---	---	62.4	62.7	62.1	---	---	---
8/31/2015	9:42	45.1	45.5	44.6	---	---	---	63.0	63.5	62.4	---	---	---
8/31/2015	9:44	46.3	47.0	45.5	---	---	---	63.8	64.6	63.0	---	---	---
8/31/2015	9:46	47.7	48.9	45.9	---	---	---	61.7	62.4	61.1	---	---	---
8/31/2015	9:48	44.9	45.4	44.5	---	---	---	61.9	62.4	61.3	---	---	---
8/31/2015	9:50	44.2	44.4	43.9	---	---	---	60.6	60.9	60.3	---	---	---
8/31/2015	9:52	45.7	46.0	45.4	---	---	---	58.9	59.3	58.6	---	---	---
8/31/2015	9:54	45.4	46.0	44.9	---	---	---	61.2	61.9	60.4	---	---	---
8/31/2015	9:56	46.3	46.8	46.0	---	---	---	59.1	59.8	58.5	---	---	---
8/31/2015	9:58	52.4	53.0	51.7	---	---	---	---	---	---	---	---	---
8/31/2015	10:00	44.8	45.4	44.4	---	---	---	---	---	---	---	---	---
8/31/2015	10:02	44.4	44.7	44.2	---	---	---	---	---	---	---	---	---
8/31/2015	10:04	44.5	45.1	44.0	---	---	---	---	---	---	---	---	---
8/31/2015	10:06	43.9	44.8	43.3	---	---	---	---	---	---	---	---	---
8/31/2015	10:08	45.2	45.6	44.8	---	---	---	---	---	---	---	---	---
8/31/2015	10:10	45.3	45.7	45.0	---	---	---	---	---	---	---	---	---
8/31/2015	10:12	41.7	42.2	41.4	---	---	---	---	---	---	---	---	---
8/31/2015	10:14	43.4	43.8	42.9	---	---	---	---	---	---	---	---	---
8/31/2015	10:16	44.1	44.9	43.2	---	---	---	---	---	---	---	---	---
8/31/2015	10:18	44.2	45.0	43.4	---	---	---	---	---	---	---	---	---
8/31/2015	10:20	44.9	45.6	44.1	---	---	---	---	---	---	---	---	---
8/31/2015	10:22	44.8	45.2	44.5	---	---	---	---	---	---	---	---	---
8/31/2015	10:24	45.3	45.7	45.0	---	---	---	---	---	---	---	---	---
8/31/2015	10:26	42.6	43.2	41.9	---	---	---	---	---	---	---	---	---
8/31/2015	10:28	46.0	47.4	44.7	---	---	---	---	---	---	---	---	---
8/31/2015	10:30	45.0	45.8	44.0	---	---	---	---	---	---	---	---	---
8/31/2015	10:32	42.7	43.1	42.3	---	---	---	---	---	---	---	---	---
8/31/2015	10:34	43.5	43.7	43.3	---	---	---	---	---	---	---	---	---
8/31/2015	10:36	43.9	44.6	43.2	---	---	---	---	---	---	---	---	---
8/31/2015	10:38	41.9	42.3	41.5	---	---	---	---	---	---	---	---	---
8/31/2015	10:40	46.9	47.4	46.4	---	---	---	---	---	---	---	---	---
8/31/2015	10:42	46.4	46.9	45.9	---	---	---	57.3	58.7	55.9	---	---	---
8/31/2015	10:44	45.7	45.9	45.5	---	---	---	56.2	56.5	55.9	---	---	---
8/31/2015	10:46	51.6	52.4	50.6	---	---	---	57.4	57.8	57.1	---	---	---
8/31/2015	10:48	46.9	47.2	46.6	---	---	---	58.7	59.5	57.9	---	---	---
8/31/2015	10:50	45.9	46.2	45.7	---	---	---	56.6	57.0	56.3	---	---	---
8/31/2015	10:52	46.6	47.4	45.6	---	---	---	58.2	58.6	57.9	---	---	---
8/31/2015	10:54	62.7	64.8	60.6	---	---	---	58.2	58.5	57.8	---	---	---
8/31/2015	10:56	60.6	61.5	59.7	---	---	---	57.5	58.1	57.1	---	---	---
8/31/2015	10:58	63.9	64.7	63.0	---	---	---	56.0	56.7	55.4	---	---	---
8/31/2015	11:00	46.7	47.5	45.7	---	---	---	58.6	59.1	58.2	---	---	---
8/31/2015	11:02	55.2	56.9	53.1	---	---	---	56.7	57.2	56.2	---	---	---
8/31/2015	11:04	45.8	46.1	45.5	---	---	---	56.6	56.9	56.3	---	---	---
8/31/2015	11:06	47.8	48.0	47.6	54.6	55.5	53.7	57.3	57.6	56.9	---	---	---
8/31/2015	11:08	48.3	48.7	48.0	57.1	57.7	56.7	58.5	59.3	57.6	---	---	---
8/31/2015	11:10	46.6	47.0	46.2	53.5	54.0	53.1	59.1	60.8	56.9	---	---	---
8/31/2015	11:12	48.2	48.4	47.8	54.4	54.7	54.1	56.7	57.0	56.4	---	---	---
8/31/2015	11:14	47.3	47.7	47.0	54.9	55.4	54.5	57.0	57.5	56.7	---	---	---
8/31/2015	11:16	47.6	48.5	46.6	54.4	54.8	53.9	55.7	56.1	55.2	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/31/2015	11:18	45.7	46.1	45.2	57.6	58.0	57.3	58.6	58.8	58.3	---	---	---
8/31/2015	11:20	47.6	48.3	46.9	58.7	59.8	57.3	59.3	60.1	58.6	---	---	---
8/31/2015	11:22	45.5	46.0	44.9	55.3	55.6	55.0	55.1	55.5	54.8	---	---	---
8/31/2015	11:24	45.6	46.1	45.0	55.5	56.0	55.2	55.9	56.3	55.4	---	---	---
8/31/2015	11:26	46.3	46.7	45.9	54.9	55.2	54.6	54.8	55.0	54.4	---	---	---
8/31/2015	11:28	46.3	46.8	45.9	54.8	55.3	54.4	55.3	56.0	54.6	---	---	---
8/31/2015	11:30	47.0	47.8	46.1	55.0	55.4	54.6	54.3	54.8	53.8	---	---	---
8/31/2015	11:32	44.7	45.2	44.3	55.0	55.3	54.8	55.6	55.9	55.2	---	---	---
8/31/2015	11:34	43.9	44.3	43.6	52.5	52.8	52.2	52.5	52.8	52.4	---	---	---
8/31/2015	11:36	47.4	48.8	46.0	51.3	51.8	51.0	52.3	52.9	51.7	---	---	---
8/31/2015	11:38	43.8	44.1	43.4	52.0	52.3	51.7	52.9	53.2	52.6	---	---	---
8/31/2015	11:40	44.0	44.3	43.7	54.2	54.6	53.9	56.3	56.7	56.0	---	---	---
8/31/2015	11:42	45.2	45.6	44.9	54.3	54.7	53.7	54.2	54.7	53.7	---	---	---
8/31/2015	11:44	44.5	45.0	44.1	51.7	52.2	51.3	52.4	52.7	52.2	---	---	---
8/31/2015	11:46	45.5	46.1	44.9	52.8	53.2	52.5	55.5	55.7	55.1	---	---	---
8/31/2015	11:48	43.3	43.6	43.0	53.5	53.7	53.2	56.5	56.9	56.3	---	---	---
8/31/2015	11:50	44.0	44.4	43.6	54.3	54.7	54.0	56.3	56.8	55.9	---	---	---
8/31/2015	11:52	45.2	45.9	44.5	50.7	51.1	50.4	54.5	54.9	54.1	---	---	---
8/31/2015	11:54	44.2	44.6	43.9	52.9	53.1	52.6	55.1	55.4	54.8	---	---	---
8/31/2015	11:56	44.6	45.1	44.1	55.6	56.0	55.2	56.9	57.4	56.3	---	---	---
8/31/2015	11:58	42.7	43.2	42.4	54.1	54.6	53.6	53.5	54.2	52.8	---	---	---
8/31/2015	12:00	42.0	42.4	41.6	55.6	56.1	55.1	52.3	52.9	51.8	---	---	---
8/31/2015	12:02	41.5	42.3	40.8	54.1	54.5	53.6	52.8	53.1	52.4	---	---	---
8/31/2015	12:04	43.0	43.8	42.2	56.5	56.8	56.2	55.6	55.9	55.3	---	---	---
8/31/2015	12:06	43.2	44.0	42.6	56.1	56.4	55.8	56.2	56.5	55.9	---	---	---
8/31/2015	12:08	43.2	43.6	42.8	55.8	56.2	55.6	56.3	56.7	56.1	---	---	---
8/31/2015	12:10	42.4	43.1	41.9	52.3	52.5	52.0	51.4	51.6	51.1	---	---	---
8/31/2015	12:12	41.5	42.0	41.2	51.3	51.6	51.0	54.3	54.7	54.0	---	---	---
8/31/2015	12:14	44.8	45.2	44.4	56.4	56.7	56.0	56.5	57.0	56.0	---	---	---
8/31/2015	12:16	48.2	49.2	46.7	60.2	60.9	59.4	60.3	60.8	59.5	---	---	---
8/31/2015	12:18	45.0	45.6	44.4	60.5	61.4	59.4	63.2	64.0	62.3	---	---	---
8/31/2015	12:20	44.4	45.0	43.9	58.7	59.6	57.7	62.2	63.1	61.3	---	---	---
8/31/2015	12:22	47.4	48.7	46.0	59.1	59.9	58.3	60.2	61.0	59.5	---	---	---
8/31/2015	12:24	34.4	35.1	33.7	54.0	54.5	53.6	53.9	54.4	53.5	---	---	---
8/31/2015	12:26	---	---	---	53.9	54.1	53.5	55.9	56.1	55.5	---	---	---
8/31/2015	12:28	---	---	---	54.9	55.2	54.7	55.3	55.8	55.1	---	---	---
8/31/2015	12:30	---	---	---	54.4	54.7	54.1	57.4	57.8	57.0	---	---	---
8/31/2015	12:32	---	---	---	51.5	51.9	51.1	52.0	52.3	51.7	---	---	---
8/31/2015	12:34	---	---	---	56.3	56.6	55.9	56.7	57.1	56.3	---	---	---
8/31/2015	12:36	54.9	57.3	50.8	67.1	67.5	66.6	61.2	61.6	60.8	---	---	---
8/31/2015	12:38	41.7	50.3	46.9	50.3	50.7	50.0	50.9	51.3	50.7	---	---	---
8/31/2015	12:40	41.5	42.7	40.4	48.7	49.1	48.4	49.7	50.0	49.4	---	---	---
8/31/2015	12:42	42.4	43.6	41.4	49.1	49.3	48.8	49.7	49.9	49.5	---	---	---
8/31/2015	12:44	44.0	45.7	42.8	51.1	51.5	50.8	52.4	52.8	52.0	---	---	---
8/31/2015	12:46	41.8	42.1	41.4	51.3	51.6	50.9	50.3	50.6	50.1	---	---	---
8/31/2015	12:48	42.8	43.2	42.3	52.2	52.5	51.9	52.9	53.1	52.6	---	---	---
8/31/2015	12:50	46.0	47.5	44.7	53.5	54.0	52.9	54.4	54.8	54.0	---	---	---
8/31/2015	12:52	42.6	42.9	42.4	53.3	53.8	52.8	53.9	54.2	53.5	---	---	---
8/31/2015	12:54	42.6	42.9	42.3	51.6	52.0	51.1	53.0	53.4	52.6	---	---	---
8/31/2015	12:56	42.7	43.4	42.1	48.7	49.2	48.3	50.5	50.8	50.0	---	---	---
8/31/2015	12:58	42.3	42.6	42.1	52.7	53.1	52.3	52.9	53.3	52.5	---	---	---
8/31/2015	13:00	44.3	44.6	44.0	52.4	52.8	52.0	54.1	54.6	53.6	---	---	---
8/31/2015	13:02	44.9	45.3	44.5	52.4	52.9	51.9	54.1	54.6	53.5	---	---	---
8/31/2015	13:04	46.0	46.1	45.2	49.0	49.3	48.7	51.7	52.4	51.3	---	---	---
8/31/2015	13:06	44.5	45.4	44.3	47.9	48.3	47.5	50.2	50.4	49.8	---	---	---
8/31/2015	13:08	45.6	46.6	44.7	53.3	53.7	52.9	54.5	54.9	54.1	---	---	---
8/31/2015	13:10	48.0	50.5	46.4	49.7	50.4	49.2	50.4	50.9	50.0	---	---	---
8/31/2015	13:12	43.0	43.6	42.5	47.6	48.0	47.3	49.0	49.3	48.6	---	---	---
8/31/2015	13:14	44.9	45.8	44.0	53.0	53.5	52.6	53.9	54.3	53.4	---	---	---
8/31/2015	13:16	44.7	45.6	43.9	48.4	48.7	48.1	48.9	49.3	48.7	---	---	---
8/31/2015	13:18	42.2	42.5	41.9	51.5	52.0	50.7	52.7	53.5	51.8	---	---	---
8/31/2015	13:20	49.6	50.3	48.8	62.5	63.0	62.0	58.5	58.9	58.1	---	---	---
8/31/2015	13:22	47.5	47.9	47.1	53.5	54.1	53.0	54.4	55.0	53.9	---	---	---
8/31/2015	13:24	43.5	43.9	43.1	50.6	51.0	50.2	51.9	52.3	51.4	---	---	---
8/31/2015	13:26	46.0	46.4	45.6	54.5	55.1	53.8	56.8	57.2	56.1	---	---	---
8/31/2015	13:28	45.6	45.9	45.2	50.4	51.0	49.9	52.6	53.3	52.2	---	---	---
8/31/2015	13:30	45.1	46.1	44.2	48.8	49.4	48.3	49.6	50.1	49.1	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/31/2015	13:32	42.6	43.5	41.6	51.2	51.5	50.6	54.1	54.5	53.5	---	---	---
8/31/2015	13:34	46.3	47.1	45.6	52.4	52.8	51.9	55.0	55.8	54.4	---	---	---
8/31/2015	13:36	45.6	46.1	45.1	53.1	53.4	52.8	54.7	55.1	54.2	---	---	---
8/31/2015	13:38	46.6	46.9	46.2	53.9	54.2	53.5	54.2	54.6	53.7	---	---	---
8/31/2015	13:40	47.7	48.2	47.3	60.5	60.8	60.0	63.1	63.4	62.6	---	---	---
8/31/2015	13:42	45.6	46.0	45.1	60.2	61.0	59.5	64.6	65.8	63.7	---	---	---
8/31/2015	13:44	48.2	48.6	47.9	66.5	67.5	65.7	66.7	67.3	66.1	---	---	---
8/31/2015	13:46	47.0	47.3	46.7	60.4	60.7	60.2	62.6	62.9	62.4	---	---	---
8/31/2015	13:48	47.8	48.1	47.5	60.6	60.9	60.2	62.3	62.7	61.9	---	---	---
8/31/2015	13:50	44.1	44.5	43.7	56.6	56.9	56.4	59.9	60.2	59.6	---	---	---
8/31/2015	13:52	45.1	45.4	44.6	62.3	63.2	61.6	62.3	63.0	61.7	---	---	---
8/31/2015	13:54	47.1	47.4	46.6	47.3	47.8	46.9	46.4	46.8	46.0	---	---	---
8/31/2015	13:56	44.9	46.2	43.9	41.5	41.8	41.3	42.8	43.3	42.3	---	---	---
8/31/2015	13:58	46.7	47.8	45.2	43.1	43.9	42.3	40.9	41.2	40.6	---	---	---
8/31/2015	14:00	45.9	47.2	44.9	54.3	55.1	53.3	52.2	52.9	51.4	---	---	---
8/31/2015	14:02	42.4	42.7	42.0	51.7	52.1	51.3	52.8	53.2	52.3	---	---	---
8/31/2015	14:04	44.7	45.1	44.3	53.1	53.5	52.6	57.1	57.6	56.6	---	---	---
8/31/2015	14:06	46.1	46.5	45.7	54.1	54.6	53.7	57.9	58.5	57.3	---	---	---
8/31/2015	14:08	47.9	48.4	47.3	52.6	53.0	52.2	54.3	54.7	53.8	---	---	---
8/31/2015	14:10	50.1	50.8	49.4	54.4	54.8	54.0	57.9	58.2	57.4	---	---	---
8/31/2015	14:12	47.1	47.6	46.8	55.5	55.9	55.2	57.8	58.2	57.4	---	---	---
8/31/2015	14:14	46.1	46.5	45.7	57.4	57.7	56.9	60.6	61.5	59.7	---	---	---
8/31/2015	14:16	49.1	49.4	48.7	59.6	60.2	59.1	62.0	62.9	61.1	---	---	---
8/31/2015	14:18	50.8	51.1	50.4	59.4	59.9	59.0	60.3	60.8	59.7	---	---	---
8/31/2015	14:20	50.3	50.8	49.8	59.9	60.3	59.6	62.2	62.6	61.8	---	---	---
8/31/2015	14:22	49.3	50.1	48.3	60.5	61.6	59.3	61.1	62.1	60.1	---	---	---
8/31/2015	14:24	51.0	52.0	50.0	50.7	51.7	49.7	52.8	53.6	51.8	---	---	---
8/31/2015	14:26	53.3	53.7	53.0	53.2	53.7	52.6	54.0	54.9	53.2	---	---	---
8/31/2015	14:28	59.5	61.6	56.3	50.2	50.6	49.8	49.8	50.2	49.3	---	---	---
8/31/2015	14:30	48.2	49.1	47.1	50.3	50.9	49.7	51.6	52.4	50.7	---	---	---
8/31/2015	14:32	47.2	47.7	46.7	52.3	53.0	51.6	54.0	54.8	53.0	---	---	---
8/31/2015	14:34	51.0	51.4	50.6	50.7	51.1	50.2	48.9	49.6	48.2	---	---	---
8/31/2015	14:36	51.5	51.8	51.1	51.5	52.0	51.0	52.0	52.6	51.2	---	---	---
8/31/2015	14:38	48.7	49.7	47.4	51.4	51.8	50.9	52.0	52.4	51.6	---	---	---
8/31/2015	14:40	45.9	46.4	45.4	50.3	50.7	50.0	52.1	52.4	51.7	---	---	---
8/31/2015	14:42	45.0	45.6	44.3	48.2	48.5	47.9	50.5	51.0	50.1	---	---	---
8/31/2015	14:44	48.5	48.8	48.3	49.3	50.2	48.4	51.0	51.8	50.3	---	---	---
8/31/2015	14:46	46.0	46.7	45.4	47.0	47.5	46.5	48.3	48.6	47.9	---	---	---
8/31/2015	14:48	45.0	45.7	44.2	48.3	48.8	47.7	48.8	49.3	48.4	---	---	---
8/31/2015	14:50	48.3	48.8	47.6	51.0	51.4	50.5	51.7	52.1	51.1	---	---	---
8/31/2015	14:52	49.1	49.3	48.9	51.9	52.4	51.4	52.8	53.3	52.2	---	---	---
8/31/2015	14:54	48.1	48.5	47.8	54.2	54.7	53.6	54.6	55.2	53.9	---	---	---
8/31/2015	14:56	49.0	49.2	48.7	52.4	52.8	52.0	55.8	56.3	55.2	---	---	---
8/31/2015	14:58	45.4	45.8	45.0	51.5	52.2	50.8	55.5	56.3	54.3	---	---	---
8/31/2015	15:00	44.1	44.3	43.9	52.4	53.3	50.9	56.3	58.4	54.1	---	---	---
8/31/2015	15:02	45.7	46.0	45.4	49.8	50.1	49.6	49.6	49.9	49.3	---	---	---
8/31/2015	15:04	46.7	47.0	46.5	51.4	52.1	50.6	52.5	53.2	51.6	---	---	---
8/31/2015	15:06	49.2	49.6	48.8	49.3	49.8	48.8	50.3	51.0	49.6	---	---	---
8/31/2015	15:08	43.2	43.6	42.9	59.8	61.1	58.1	58.9	60.3	57.5	---	---	---
8/31/2015	15:10	46.6	47.0	46.1	49.6	50.1	49.1	49.6	50.2	49.0	---	---	---
8/31/2015	15:12	45.7	46.1	45.3	44.3	44.7	44.0	44.7	45.2	44.5	---	---	---
8/31/2015	15:14	41.2	41.5	40.8	42.7	43.0	42.3	43.1	43.4	42.7	---	---	---
8/31/2015	15:16	51.5	51.8	51.1	45.9	46.2	45.5	44.5	44.8	44.2	---	---	---
8/31/2015	15:18	45.4	45.8	45.2	45.7	46.1	45.3	45.5	46.1	45.0	---	---	---
8/31/2015	15:20	43.6	43.8	43.3	40.0	40.3	39.8	42.4	42.7	42.2	---	---	---
8/31/2015	15:22	41.3	41.7	40.9	38.7	38.9	38.5	41.2	41.4	41.0	---	---	---
8/31/2015	15:24	44.4	44.8	44.0	41.6	41.8	41.4	42.0	42.5	41.6	---	---	---
8/31/2015	15:26	45.8	46.1	45.3	41.6	41.8	41.3	43.3	43.6	42.8	---	---	---
8/31/2015	15:28	47.7	48.0	47.5	44.7	44.9	44.4	44.0	44.3	43.6	---	---	---
8/31/2015	15:30	50.3	51.0	49.6	44.7	45.1	44.4	44.6	45.2	44.0	---	---	---
8/31/2015	15:32	42.8	43.4	42.5	43.1	43.5	42.9	41.8	42.1	41.6	---	---	---
8/31/2015	15:34	42.3	42.8	41.7	45.0	45.5	44.3	45.7	46.6	44.8	---	---	---
8/31/2015	15:36	42.4	43.0	42.0	42.4	42.6	42.3	41.6	41.8	41.4	---	---	---
8/31/2015	15:38	43.4	44.1	42.7	44.0	44.3	43.6	44.6	45.0	44.1	---	---	---
8/31/2015	15:40	48.8	49.1	48.2	40.4	40.6	40.2	40.2	40.4	40.0	---	---	---
8/31/2015	15:42	53.7	54.4	53.1	41.3	41.4	41.1	40.9	41.0	40.8	---	---	---
8/31/2015	15:44	44.9	45.7	43.9	41.2	41.4	40.9	41.9	42.1	41.7	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
8/31/2015	15:46	41.8	42.1	41.6	41.5	41.8	41.2	41.7	42.0	41.5	---	---	---
8/31/2015	15:48	42.5	42.8	42.3	39.7	40.0	39.4	41.1	41.3	40.8	---	---	---
8/31/2015	15:50	42.8	43.2	42.5	41.0	41.4	40.6	43.0	43.4	42.7	---	---	---
8/31/2015	15:52	45.4	45.8	45.0	43.4	43.8	43.0	42.7	43.0	42.4	---	---	---
8/31/2015	15:54	41.8	42.1	41.5	40.1	40.5	39.7	41.8	42.0	41.5	---	---	---
8/31/2015	15:56	45.5	45.8	45.3	43.6	43.8	43.3	44.4	44.7	44.1	---	---	---
8/31/2015	15:58	44.1	44.4	43.8	43.0	43.3	42.8	43.0	43.3	42.6	---	---	---
8/31/2015	16:00	42.7	43.1	42.3	42.0	42.3	41.7	42.4	42.6	42.1	42.2	42.6	41.9
8/31/2015	16:02	42.1	42.4	41.7	42.2	42.5	41.8	42.7	43.0	42.4	42.3	42.6	41.9
8/31/2015	16:04	43.3	43.5	42.7	44.3	44.6	43.8	42.6	42.8	42.4	42.5	42.9	42.1
8/31/2015	16:06	46.4	46.7	46.2	45.0	45.3	44.8	43.4	43.8	43.1	41.7	42.1	41.3
8/31/2015	16:08	43.8	44.3	43.5	43.0	43.4	42.6	44.1	44.6	43.6	43.2	43.7	42.7
8/31/2015	16:10	41.0	41.2	40.4	38.8	39.1	38.5	41.2	41.4	41.1	40.2	40.4	39.9
8/31/2015	16:12	47.5	47.9	47.0	42.4	42.7	42.1	42.6	42.8	42.3	42.2	42.6	41.8
8/31/2015	16:14	47.6	48.2	47.2	38.9	39.2	38.7	41.1	41.2	40.9	39.5	39.8	39.2
8/31/2015	16:16	49.5	50.0	48.9	37.4	37.6	37.2	39.9	40.0	39.7	39.1	39.3	38.9
8/31/2015	16:18	52.5	53.0	51.9	43.2	43.6	42.8	41.7	41.9	41.5	41.6	41.9	41.2
8/31/2015	16:20	44.4	44.7	44.1	41.6	41.8	41.4	41.9	42.1	41.6	41.6	42.1	41.2
8/31/2015	16:22	43.3	43.5	43.0	41.1	41.4	40.9	41.5	41.7	41.3	40.2	40.4	40.0
8/31/2015	16:24	38.9	39.1	38.7	40.1	40.4	39.8	41.3	41.5	41.1	42.0	42.3	41.7
8/31/2015	16:26	40.5	41.0	39.9	38.6	38.9	38.2	40.9	41.0	40.6	40.3	40.7	39.9
8/31/2015	16:28	43.4	43.7	43.1	42.2	42.6	41.8	42.4	42.7	42.1	42.5	42.8	42.1
8/31/2015	16:30	43.5	44.2	42.8	43.8	44.1	43.5	42.6	42.8	42.3	41.9	42.3	41.5
9/1/2015	7:00	44.7	45.9	43.1	42.9	43.1	42.6	42.8	43.1	42.6	44.6	45.0	44.2
9/1/2015	7:02	42.2	43.8	41.2	41.9	42.0	41.7	41.2	41.4	41.0	42.9	43.2	42.7
9/1/2015	7:04	40.9	41.7	39.8	41.8	42.1	41.5	42.1	42.6	41.7	47.6	48.7	46.6
9/1/2015	7:06	42.7	43.1	42.3	46.5	47.2	45.7	47.3	48.2	46.3	57.4	58.5	56.1
9/1/2015	7:08	43.5	44.0	42.9	43.4	43.6	43.1	43.0	43.3	42.6	50.0	52.0	48.3
9/1/2015	7:10	41.0	41.3	40.8	42.1	42.4	41.9	42.4	42.6	42.2	44.5	45.4	43.7
9/1/2015	7:12	39.3	39.6	39.1	40.2	40.8	39.8	40.9	41.3	40.7	42.8	43.1	42.5
9/1/2015	7:14	41.2	41.6	40.9	40.3	40.6	39.9	41.1	41.3	40.8	45.0	45.4	44.6
9/1/2015	7:16	41.0	41.2	40.7	47.7	48.2	47.2	48.8	49.2	48.2	53.9	54.3	53.4
9/1/2015	7:18	41.7	42.2	41.3	49.4	49.8	49.0	49.7	50.1	49.4	55.9	56.5	55.6
9/1/2015	7:20	44.5	45.0	44.1	44.6	44.8	44.4	45.6	45.9	45.3	49.5	49.9	49.3
9/1/2015	7:22	45.8	46.4	45.2	44.0	44.3	43.6	44.7	45.2	44.3	56.3	58.2	52.7
9/1/2015	7:24	39.5	39.8	39.2	39.4	39.6	39.2	39.4	39.6	39.2	46.4	47.3	45.8
9/1/2015	7:26	41.4	41.8	40.9	41.1	41.6	40.7	40.7	41.1	40.3	46.8	47.1	46.2
9/1/2015	7:28	43.9	44.1	43.6	44.3	44.7	44.0	43.3	43.6	42.9	51.5	52.0	51.1
9/1/2015	7:30	46.4	46.6	46.2	45.3	45.8	44.9	44.8	45.2	44.5	54.6	55.1	54.0
9/1/2015	7:32	50.8	51.2	50.4	47.1	47.8	46.2	47.1	47.9	46.3	65.7	67.1	64.3
9/1/2015	7:34	47.4	47.6	47.1	44.8	45.1	44.6	43.9	44.2	43.6	50.5	51.2	50.0
9/1/2015	7:36	47.3	47.6	47.2	44.2	44.6	43.9	43.7	44.0	43.4	50.0	50.6	49.5
9/1/2015	7:38	45.1	45.5	44.7	43.6	43.9	43.3	43.3	43.6	42.9	49.3	49.9	48.7
9/1/2015	7:40	46.2	46.4	45.9	43.5	43.7	43.2	43.8	44.1	43.5	51.5	52.0	51.0
9/1/2015	7:42	44.0	44.4	43.6	47.0	47.4	46.5	45.3	45.6	44.9	53.9	54.4	53.5
9/1/2015	7:44	47.1	47.8	46.1	47.3	48.1	46.8	46.3	46.8	45.8	55.0	55.6	54.3
9/1/2015	7:46	47.0	47.9	46.4	47.9	48.4	47.3	47.8	48.3	47.3	57.2	57.9	56.5
9/1/2015	7:48	43.4	44.0	42.9	50.4	51.0	49.5	50.7	51.6	49.9	57.1	58.0	56.1
9/1/2015	7:50	41.0	41.3	40.7	50.1	51.0	49.2	49.1	50.0	48.1	56.3	57.3	55.2
9/1/2015	7:52	43.8	44.3	43.2	48.0	48.8	47.2	48.5	49.3	47.7	54.5	55.5	53.3
9/1/2015	7:54	45.6	46.5	44.6	49.1	49.9	48.2	49.7	50.7	48.5	55.0	55.8	54.1
9/1/2015	7:56	45.3	46.4	44.1	50.5	51.5	49.5	50.7	51.8	49.6	57.2	58.1	56.1
9/1/2015	7:58	44.5	45.1	43.9	51.7	52.7	50.6	49.6	50.5	48.6	58.0	58.9	56.7
9/1/2015	8:00	40.6	41.0	40.2	47.6	48.5	46.6	45.4	46.3	44.6	56.8	57.9	55.6
9/1/2015	8:02	47.6	49.2	45.9	47.3	48.0	46.6	46.6	47.3	46.0	54.2	54.9	53.4
9/1/2015	8:04	44.5	45.0	43.9	46.3	46.8	45.9	45.1	45.6	44.7	53.4	54.0	52.8
9/1/2015	8:06	47.4	48.6	46.1	45.2	45.6	44.7	45.5	46.0	45.0	51.4	51.7	51.0
9/1/2015	8:08	43.5	44.6	42.4	42.7	43.1	42.3	42.1	42.4	41.7	49.4	49.9	48.9
9/1/2015	8:10	50.2	50.7	49.7	44.8	45.1	44.3	46.0	46.5	45.4	49.8	50.6	49.1
9/1/2015	8:12	47.4	48.2	46.9	44.7	45.0	44.5	46.3	46.6	46.0	48.3	48.6	48.0
9/1/2015	8:14	46.5	47.5	45.7	42.8	43.2	42.4	43.2	43.7	42.8	47.0	47.5	46.5
9/1/2015	8:16	43.6	44.1	43.1	44.4	45.0	43.8	42.1	42.4	41.6	47.7	48.5	46.6
9/1/2015	8:18	48.9	49.3	48.5	45.9	46.3	45.4	46.2	46.6	45.5	47.3	47.6	47.0
9/1/2015	8:20	50.7	51.1	49.9	46.8	47.1	46.5	44.3	44.9	44.2	50.5	51.2	49.8
9/1/2015	8:22	47.9	49.0	47.5	43.2	43.6	42.8	42.9	43.2	42.5	48.5	49.2	47.9
9/1/2015	8:24	46.4	46.7	46.1	44.1	44.5	43.8	44.1	44.3	43.8	48.8	49.3	48.3
9/1/2015	8:26	45.3	45.8	44.9	44.4	45.0	43.8	44.2	44.8	43.6	49.2	49.9	48.4

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/1/2015	8:28	46.9	47.1	46.5	43.7	44.0	43.4	43.0	43.3	42.7	49.0	49.6	48.4
9/1/2015	8:30	46.7	46.9	46.5	46.3	47.0	45.7	44.7	45.0	44.4	47.8	48.3	47.5
9/1/2015	8:32	45.6	45.8	45.3	46.0	46.3	45.8	45.2	45.4	44.9	47.7	48.0	47.3
9/1/2015	8:34	46.5	46.7	46.3	44.6	44.9	44.4	46.2	46.5	45.8	51.1	51.5	50.8
9/1/2015	8:36	46.1	46.5	45.7	44.3	44.7	44.0	46.2	46.9	44.9	46.6	47.1	46.2
9/1/2015	8:38	45.6	46.7	44.0	44.3	44.8	43.8	45.0	45.6	44.3	47.2	47.5	46.7
9/1/2015	8:40	42.8	43.2	42.4	43.9	43.9	42.7	41.3	41.8	41.0	45.8	46.3	45.3
9/1/2015	8:42	42.2	42.5	41.9	52.6	53.5	51.9	54.8	56.2	53.6	47.1	47.6	46.5
9/1/2015	8:44	48.0	48.8	47.0	48.7	49.5	47.9	49.2	50.0	48.4	49.6	50.2	49.0
9/1/2015	8:46	47.8	48.5	47.0	46.9	48.0	46.0	50.1	51.1	48.9	49.9	50.6	49.2
9/1/2015	8:48	61.7	62.7	60.7	62.7	63.4	61.8	63.5	64.4	62.5	62.9	63.5	62.1
9/1/2015	8:50	45.9	46.6	45.4	47.1	47.9	46.4	46.3	47.0	45.8	48.7	49.3	48.3
9/1/2015	8:52	45.3	45.8	44.5	45.9	46.5	45.2	44.6	45.0	44.0	48.8	49.2	48.3
9/1/2015	8:54	43.5	44.4	42.9	43.2	44.0	42.8	42.3	42.8	42.0	45.9	46.4	45.7
9/1/2015	8:56	42.6	43.1	42.1	48.9	51.3	45.9	41.5	42.2	40.7	46.6	47.0	46.2
9/1/2015	8:58	41.9	42.3	41.5	53.8	56.2	49.9	45.7	47.5	43.5	46.6	47.0	46.2
9/1/2015	9:00	42.5	42.9	41.9	48.8	51.0	46.5	45.7	46.4	44.9	47.8	48.4	47.4
9/1/2015	9:02	43.0	44.2	41.9	44.4	45.8	43.1	41.9	42.5	41.4	47.1	47.3	46.8
9/1/2015	9:04	42.6	44.6	40.6	43.2	44.2	41.9	42.4	43.1	41.4	47.8	48.3	47.3
9/1/2015	9:06	42.9	44.7	41.5	47.2	48.8	44.0	41.4	42.0	40.7	46.8	47.3	46.4
9/1/2015	9:08	42.6	43.9	41.0	54.2	54.9	53.5	42.5	43.3	41.9	45.7	46.1	45.4
9/1/2015	9:10	45.7	47.8	42.9	57.3	57.8	56.9	43.9	44.3	43.6	45.1	45.5	44.8
9/1/2015	9:12	43.1	43.7	42.5	41.1	41.4	40.8	43.1	43.6	42.7	45.3	45.8	44.8
9/1/2015	9:14	40.7	41.6	39.7	40.5	40.7	40.2	40.6	40.8	40.4	47.2	47.8	46.6
9/1/2015	9:16	43.8	45.3	42.3	43.4	43.8	43.0	41.2	41.4	40.9	49.7	50.5	49.0
9/1/2015	9:18	45.7	47.4	43.7	43.2	43.7	42.8	42.5	43.0	42.1	46.4	47.0	45.8
9/1/2015	9:20	43.5	45.2	41.8	46.3	46.4	46.1	39.5	39.8	39.4	42.6	43.1	42.2
9/1/2015	9:22	39.3	39.8	38.7	48.9	49.0	48.7	40.0	40.2	39.8	42.7	43.0	42.4
9/1/2015	9:24	40.7	41.8	39.9	46.6	46.8	46.4	39.9	40.3	39.2	42.4	42.9	42.2
9/1/2015	9:26	42.9	43.5	42.3	48.6	48.8	48.4	42.8	43.6	42.0	48.7	49.5	48.0
9/1/2015	9:28	40.6	41.0	40.1	50.3	50.4	50.1	43.7	44.1	43.2	50.8	51.4	50.2
9/1/2015	9:30	42.8	43.8	41.8	50.5	50.7	50.4	45.7	46.0	45.2	51.5	52.0	50.9
9/1/2015	9:32	42.7	43.2	42.2	51.2	51.5	50.9	49.5	49.9	49.0	54.9	55.4	54.3
9/1/2015	9:34	41.9	42.3	41.6	49.1	49.3	48.8	45.7	46.1	45.4	52.0	52.4	51.6
9/1/2015	9:36	40.8	41.2	40.4	50.1	50.4	49.8	45.9	46.3	45.5	51.6	52.1	51.1
9/1/2015	9:38	43.3	43.7	42.8	48.0	48.4	47.6	46.4	46.9	45.9	51.6	52.1	51.1
9/1/2015	9:40	45.6	47.0	44.4	49.1	49.6	48.4	49.2	49.8	48.7	55.7	56.6	54.5
9/1/2015	9:42	43.9	45.3	42.9	46.6	46.9	46.2	45.3	45.9	45.1	51.3	51.8	50.9
9/1/2015	9:44	41.5	42.2	40.7	49.4	49.6	49.3	43.3	43.6	43.1	49.0	49.4	48.6
9/1/2015	9:46	41.2	42.3	40.5	50.2	50.3	50.0	44.3	44.5	44.0	48.7	49.0	48.3
9/1/2015	9:48	42.8	44.0	41.8	51.0	51.2	50.8	46.8	47.1	46.6	51.3	51.9	50.8
9/1/2015	9:50	45.0	45.9	44.2	51.8	52.0	51.6	49.3	49.5	49.0	52.1	52.7	51.6
9/1/2015	9:52	41.0	41.7	40.5	51.3	51.4	51.1	54.2	54.3	54.1	49.7	50.1	49.3
9/1/2015	9:54	42.5	43.0	42.0	51.5	51.6	51.4	54.2	54.3	54.1	51.1	51.6	50.7
9/1/2015	9:56	41.0	41.4	40.6	51.4	51.6	51.2	50.4	50.8	50.3	50.2	50.9	49.5
9/1/2015	9:58	40.0	41.0	39.0	50.2	50.4	50.1	42.8	43.4	42.3	47.8	48.8	46.8
9/1/2015	10:00	43.7	44.6	42.6	50.0	50.3	49.7	47.4	47.8	46.9	51.6	52.2	51.0
9/1/2015	10:02	40.1	40.3	39.7	48.7	49.1	48.4	46.6	47.0	46.0	53.3	53.8	52.8
9/1/2015	10:04	42.4	42.8	42.0	46.5	46.9	46.2	46.2	46.6	46.0	52.5	52.9	52.0
9/1/2015	10:06	42.3	42.6	41.9	46.6	47.0	46.2	47.0	47.3	46.8	54.8	55.1	54.4
9/1/2015	10:08	43.7	44.0	43.4	48.3	48.5	48.1	47.2	47.5	46.8	51.4	51.8	50.9
9/1/2015	10:10	42.2	42.8	41.8	45.1	45.5	44.5	45.6	46.0	45.2	49.9	50.3	49.3
9/1/2015	10:12	42.9	43.9	41.9	46.3	47.0	45.9	46.0	46.5	45.4	50.8	51.5	50.3
9/1/2015	10:14	42.4	42.8	42.0	52.0	52.4	51.6	48.8	49.6	48.0	53.9	54.9	52.8
9/1/2015	10:16	43.0	44.5	42.1	52.5	52.7	52.3	48.6	49.1	48.1	53.8	54.3	53.3
9/1/2015	10:18	42.7	43.3	42.1	52.3	52.7	52.0	49.3	50.1	48.5	53.4	54.2	52.7
9/1/2015	10:20	40.1	40.4	39.8	45.5	45.9	45.1	44.6	44.9	44.1	51.2	51.7	50.7
9/1/2015	10:22	41.3	41.9	40.7	48.6	49.4	47.7	47.3	48.1	46.5	55.2	56.1	54.3
9/1/2015	10:24	44.6	45.1	44.1	49.8	50.0	49.5	48.4	48.8	48.1	54.5	54.8	54.2
9/1/2015	10:26	42.0	42.4	41.6	50.7	50.9	50.5	45.3	45.7	45.0	52.1	52.4	51.6
9/1/2015	10:28	41.6	42.0	41.3	53.7	53.9	53.6	52.9	53.2	52.6	52.9	53.2	52.6
9/1/2015	10:30	46.1	47.1	44.8	54.1	54.3	54.0	53.5	53.6	53.4	53.9	54.1	53.6
9/1/2015	10:32	40.2	41.0	39.6	55.0	55.1	54.9	55.1	55.3	54.8	54.0	54.3	53.7
9/1/2015	10:34	41.6	42.7	40.3	54.3	54.5	54.1	56.7	57.2	56.2	62.2	62.5	61.8
9/1/2015	10:36	41.4	42.8	40.2	58.5	58.9	58.0	59.6	60.2	59.1	56.2	56.6	56.0
9/1/2015	10:38	40.5	41.4	39.8	53.1	53.4	52.8	55.7	55.9	55.2	61.8	62.1	61.4
9/1/2015	10:40	53.6	54.3	52.8	60.3	60.7	59.7	61.5	62.1	60.9	58.3	58.7	58.1

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/1/2015	10:42	41.6	41.9	41.3	54.7	54.9	54.5	56.3	56.5	56.1	59.4	59.4	59.0
9/1/2015	10:44	42.3	43.0	41.5	51.9	52.4	51.5	55.0	55.5	54.4	60.5	61.0	60.3
9/1/2015	10:46	42.2	42.7	41.9	50.0	50.1	49.8	51.5	51.7	51.4	55.5	55.6	55.3
9/1/2015	10:48	40.9	41.4	40.5	49.9	50.1	49.7	52.2	52.4	52.0	60.9	61.2	60.6
9/1/2015	10:50	41.7	41.9	41.3	49.2	49.3	48.9	50.1	50.3	49.8	64.1	64.6	63.5
9/1/2015	10:52	42.0	42.3	41.7	50.4	50.6	50.2	50.9	51.2	50.6	65.2	65.7	64.8
9/1/2015	10:54	42.8	43.1	42.6	50.6	51.0	50.3	52.5	53.1	51.9	67.1	67.8	66.4
9/1/2015	10:56	46.3	46.6	45.8	50.0	50.3	49.8	50.7	51.0	50.4	64.0	64.6	63.3
9/1/2015	10:58	43.0	43.4	42.8	52.1	52.5	51.7	55.3	56.0	54.6	66.9	67.6	66.1
9/1/2015	11:00	51.9	52.7	51.0	49.0	49.3	48.8	48.5	48.8	48.3	63.0	63.5	62.7
9/1/2015	11:02	43.8	44.1	43.5	47.5	47.9	47.2	48.7	49.1	48.2	58.9	59.8	58.1
9/1/2015	11:04	44.6	44.8	44.3	47.2	47.5	46.9	48.1	48.5	47.7	58.3	58.8	57.7
9/1/2015	11:06	42.5	43.1	42.0	45.7	45.9	45.3	45.6	45.9	45.3	60.6	61.3	59.9
9/1/2015	11:08	42.6	43.3	42.0	47.9	48.2	47.6	46.4	46.7	46.0	59.6	60.1	59.1
9/1/2015	11:10	43.9	44.5	43.2	47.9	48.2	47.6	46.1	46.4	45.8	55.7	56.1	55.4
9/1/2015	11:12	49.6	51.9	47.4	49.5	50.0	49.1	48.9	49.4	48.3	54.3	54.8	53.8
9/1/2015	11:14	45.2	45.8	44.6	48.5	49.0	48.2	49.0	49.5	48.5	55.4	56.2	54.6
9/1/2015	11:16	45.8	46.5	45.3	48.7	49.0	48.3	48.5	48.9	48.1	54.6	55.1	54.2
9/1/2015	11:18	44.6	44.9	44.3	50.5	51.1	49.9	49.6	50.2	48.9	54.7	55.1	54.2
9/1/2015	11:20	44.7	45.1	44.3	48.7	49.4	48.2	45.8	46.4	45.6	51.8	52.5	51.3
9/1/2015	11:22	42.0	42.5	41.5	42.8	43.2	42.3	41.4	41.9	41.0	48.9	49.5	48.5
9/1/2015	11:24	41.7	42.2	41.1	43.1	43.6	42.6	41.0	41.4	40.6	50.3	50.8	49.6
9/1/2015	11:26	43.8	44.0	42.8	47.2	47.5	46.8	45.0	45.4	44.5	51.1	51.6	50.7
9/1/2015	11:28	45.4	46.0	45.0	48.2	48.6	47.9	47.2	47.6	46.8	51.1	51.5	50.7
9/1/2015	11:30	44.0	44.3	43.6	48.0	48.5	47.5	46.4	46.9	45.9	53.4	53.8	52.9
9/1/2015	11:32	45.4	45.7	45.1	48.9	49.5	48.5	48.9	49.6	48.3	54.5	55.0	53.9
9/1/2015	11:34	46.3	46.8	45.7	48.1	48.4	47.8	48.2	48.4	47.7	53.1	53.5	52.8
9/1/2015	11:36	47.8	48.6	47.1	49.5	49.7	49.0	51.8	52.1	51.4	63.2	63.4	62.8
9/1/2015	11:38	47.5	48.1	47.1	54.0	54.4	53.6	57.6	58.1	57.3	56.7	57.3	56.4
9/1/2015	11:40	44.3	44.7	43.8	42.4	42.7	42.2	41.3	41.8	40.9	44.9	45.2	44.5
9/1/2015	11:42	47.0	47.9	45.8	41.4	41.6	41.2	39.6	39.9	39.4	42.6	42.8	42.4
9/1/2015	11:44	43.5	44.1	43.0	41.3	41.5	41.2	40.3	40.4	40.0	42.9	43.1	42.7
9/1/2015	11:46	43.3	43.7	42.9	50.3	50.5	50.1	51.5	51.8	51.3	57.8	57.8	57.4
9/1/2015	11:48	44.2	45.1	43.4	46.2	46.6	45.8	48.1	48.5	47.6	56.1	56.5	56.0
9/1/2015	11:50	49.9	50.3	49.1	47.5	47.7	47.1	47.3	47.6	47.0	51.8	52.2	51.3
9/1/2015	11:52	51.6	52.4	50.7	49.6	50.0	49.2	50.4	50.9	49.8	53.1	53.6	52.6
9/1/2015	11:54	48.8	49.3	48.2	48.9	49.4	48.1	47.5	47.9	47.1	52.8	53.4	52.3
9/1/2015	11:56	48.7	49.3	48.2	52.5	53.1	52.0	51.5	52.1	50.9	56.4	56.8	55.9
9/1/2015	11:58	45.6	46.0	45.3	52.6	53.0	52.3	51.9	52.3	51.5	57.0	57.4	56.7
9/1/2015	12:00	45.1	45.4	44.8	51.0	51.3	50.7	50.1	50.3	49.8	56.2	56.5	55.9
9/1/2015	12:02	46.5	46.8	46.0	51.5	51.8	51.3	51.8	52.1	51.5	57.7	58.2	57.2
9/1/2015	12:04	46.6	46.9	46.2	50.2	50.5	50.0	48.8	49.0	48.5	54.1	54.3	53.8
9/1/2015	12:06	43.8	44.0	43.6	47.8	48.0	47.5	48.1	48.3	47.9	54.4	54.8	54.1
9/1/2015	12:08	52.3	53.0	51.5	50.3	50.8	49.6	48.6	49.0	48.3	57.8	58.4	57.1
9/1/2015	12:10	49.6	50.0	49.3	51.7	52.1	51.3	50.5	50.8	50.1	57.4	57.9	57.0
9/1/2015	12:12	45.8	46.1	45.5	49.2	49.5	48.9	49.2	49.7	48.7	53.6	54.2	53.1
9/1/2015	12:14	43.2	43.6	42.9	45.4	45.7	45.1	46.3	46.5	46.1	48.4	48.7	48.2
9/1/2015	12:16	42.7	43.3	42.2	46.6	46.8	46.4	46.6	46.8	46.2	50.1	50.4	49.7
9/1/2015	12:18	42.1	42.4	41.9	45.5	45.7	45.2	46.5	46.8	46.2	51.1	51.4	50.9
9/1/2015	12:20	45.0	45.5	44.5	46.3	46.6	46.1	47.0	47.3	46.8	51.3	51.6	50.9
9/1/2015	12:22	47.7	47.9	47.3	50.5	50.7	50.2	50.5	50.8	50.2	54.8	55.1	54.4
9/1/2015	12:24	54.9	55.0	54.6	50.8	51.2	50.3	52.4	52.9	51.9	53.9	54.2	53.5
9/1/2015	12:26	54.2	54.3	54.1	49.1	49.5	48.8	50.6	50.9	50.3	54.4	54.8	54.0
9/1/2015	12:28	53.3	53.5	53.1	49.5	49.7	49.2	50.1	50.4	49.8	53.8	54.1	53.5
9/1/2015	12:30	45.7	46.3	45.1	48.1	48.4	47.9	48.3	48.6	48.1	52.8	53.0	52.5
9/1/2015	12:32	45.0	45.5	44.6	52.1	52.2	51.4	52.1	52.2	51.7	69.1	69.0	67.6
9/1/2015	12:34	45.9	46.3	45.5	65.2	65.8	64.5	71.0	71.5	70.5	71.5	72.4	71.4
9/1/2015	12:36	42.9	43.1	42.4	58.2	58.6	57.9	63.6	63.8	63.4	52.3	52.6	51.9
9/1/2015	12:38	44.8	45.4	44.5	58.3	59.6	57.1	52.9	54.2	52.0	51.7	52.3	51.3
9/1/2015	12:40	41.8	42.3	41.4	46.5	46.8	46.4	48.1	48.6	47.7	49.8	50.1	49.6
9/1/2015	12:42	42.5	42.7	42.2	47.9	48.1	47.8	47.6	47.9	47.4	48.8	49.0	48.6
9/1/2015	12:44	43.5	43.9	43.2	49.3	49.4	49.1	49.0	49.3	48.6	50.4	50.8	50.1
9/1/2015	12:46	43.5	43.9	43.0	50.4	50.6	50.1	49.7	50.0	49.2	54.4	55.0	53.8
9/1/2015	12:48	44.0	44.4	43.6	50.7	50.9	50.5	50.4	50.9	49.9	54.1	54.5	53.5
9/1/2015	12:50	46.3	46.6	46.0	65.4	65.9	64.9	70.8	71.9	69.7	65.8	66.1	65.2
9/1/2015	12:52	45.3	45.7	44.9	54.8	55.7	54.2	56.7	57.8	56.4	71.5	72.3	70.8
9/1/2015	12:54	45.4	45.8	45.0	52.4	53.0	51.8	51.6	52.2	50.9	60.3	60.9	59.6

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/1/2015	12:56	48.1	49.3	46.6	50.0	50.5	49.6	50.5	50.9	50.0	58.6	59.3	57.9
9/1/2015	12:58	56.8	57.5	55.9	50.9	51.6	50.3	51.2	51.8	50.7	57.7	58.3	57.0
9/1/2015	13:00	45.4	45.8	45.1	51.3	52.0	50.6	51.0	51.5	50.5	57.2	57.7	56.6
9/1/2015	13:02	45.7	46.0	45.3	50.0	50.6	49.6	51.7	52.3	51.2	56.7	57.5	56.0
9/1/2015	13:04	44.6	44.9	44.4	48.5	49.0	47.9	51.9	52.8	50.8	56.3	57.3	55.4
9/1/2015	13:06	44.4	44.8	44.0	48.3	48.8	47.7	48.6	49.1	48.1	53.8	54.4	53.2
9/1/2015	13:08	45.2	45.8	44.6	51.4	52.1	50.7	53.4	54.6	52.0	56.9	57.7	56.0
9/1/2015	13:10	43.5	43.9	43.2	50.6	51.0	50.1	51.7	52.4	50.8	56.0	56.7	55.3
9/1/2015	13:12	42.8	43.1	42.5	54.1	54.8	53.4	51.5	52.2	51.0	55.3	55.8	54.9
9/1/2015	13:14	42.5	42.8	42.3	46.0	46.2	45.7	45.2	45.4	44.9	48.6	49.0	48.3
9/1/2015	13:16	44.2	44.4	43.9	49.2	49.5	48.9	50.0	50.4	49.5	53.1	53.5	52.6
9/1/2015	13:18	44.4	44.6	44.2	48.6	48.8	48.2	50.0	50.4	49.6	54.9	55.3	54.5
9/1/2015	13:20	44.5	44.8	44.3	49.8	50.1	49.5	50.3	50.6	50.0	55.3	55.6	55.0
9/1/2015	13:22	44.8	45.4	44.2	51.5	52.4	50.7	51.8	52.6	51.1	56.9	57.5	56.4
9/1/2015	13:24	44.5	44.7	44.1	51.0	51.5	50.4	52.2	52.6	51.6	55.0	55.4	54.4
9/1/2015	13:26	45.0	45.7	44.6	52.1	52.8	51.7	52.0	52.8	51.5	56.8	57.7	55.9
9/1/2015	13:28	43.9	44.1	43.4	55.6	56.7	54.5	55.7	56.6	54.7	55.4	55.9	54.8
9/1/2015	13:30	46.4	46.9	46.0	53.8	54.7	52.8	54.7	55.9	53.2	59.0	59.3	58.6
9/1/2015	13:32	45.1	45.9	44.2	51.8	52.3	51.4	52.0	52.8	51.2	59.1	59.5	58.8
9/1/2015	13:34	49.2	50.1	48.3	57.3	58.1	56.2	58.3	59.9	56.8	60.6	61.0	60.2
9/1/2015	13:36	52.7	53.7	51.4	54.5	54.8	54.1	55.6	56.0	55.1	62.3	62.6	61.9
9/1/2015	13:38	48.7	49.7	47.8	52.4	52.9	52.2	56.4	56.9	56.0	61.0	61.4	60.7
9/1/2015	13:40	47.8	49.1	45.4	52.0	52.4	51.6	57.9	58.1	57.7	61.0	61.3	60.6
9/1/2015	13:42	47.4	48.9	46.0	52.0	52.3	51.6	57.6	57.7	57.4	60.9	61.2	60.5
9/1/2015	13:44	44.8	45.4	44.3	51.6	52.0	51.3	57.2	57.4	57.1	60.3	60.7	59.9
9/1/2015	13:46	45.0	45.4	44.6	53.7	54.1	53.3	60.0	60.9	59.2	61.5	61.9	61.1
9/1/2015	13:48	45.3	45.6	44.9	53.5	53.8	53.2	54.6	55.1	54.3	61.4	61.7	61.1
9/1/2015	13:50	42.8	43.1	42.5	54.0	54.3	53.6	53.5	53.9	53.2	62.4	62.8	62.1
9/1/2015	13:52	42.5	42.8	42.2	54.1	54.4	53.9	53.9	54.2	53.6	63.1	63.4	62.8
9/1/2015	13:54	45.2	46.0	44.3	52.8	53.1	52.5	50.5	50.8	50.3	---	---	---
9/1/2015	13:56	43.9	44.4	43.4	52.7	53.1	52.4	52.0	52.4	51.6	---	---	---
9/1/2015	13:58	48.1	50.0	46.2	51.3	51.6	51.0	51.7	52.1	51.4	---	---	---
9/1/2015	14:00	44.1	44.6	43.5	51.6	51.9	51.4	52.9	53.2	52.6	---	---	---
9/1/2015	14:02	42.2	42.6	41.9	49.9	50.2	49.6	51.7	52.0	51.4	---	---	---
9/1/2015	14:04	42.5	43.0	42.0	51.7	52.1	51.3	51.8	52.2	51.3	---	---	---
9/1/2015	14:06	40.3	40.6	40.0	53.5	53.8	53.0	51.4	51.7	51.0	---	---	---
9/1/2015	14:08	41.1	41.4	40.8	55.1	55.4	54.7	54.4	54.8	53.9	---	---	---
9/1/2015	14:10	41.1	41.3	40.8	53.6	54.0	53.2	53.3	53.8	52.9	58.5	58.8	58.2
9/1/2015	14:12	43.7	43.9	43.2	51.9	52.3	51.6	51.3	51.7	51.0	60.1	61.3	59.2
9/1/2015	14:14	43.8	44.3	43.6	52.0	52.4	51.6	56.0	57.0	54.8	62.0	62.5	61.5
9/1/2015	14:16	43.7	44.1	43.4	50.9	51.2	50.6	51.3	52.4	49.8	60.6	60.9	60.2
9/1/2015	14:18	45.0	45.4	44.7	54.0	54.3	53.7	---	---	---	66.5	66.8	66.2
9/1/2015	14:20	41.4	41.6	41.1	59.0	59.0	58.4	---	---	---	72.8	73.4	72.1
9/1/2015	14:22	41.8	42.3	41.4	58.5	59.0	58.4	---	---	---	50.9	51.9	50.9
9/1/2015	14:24	41.9	42.3	41.4	55.1	55.3	55.0	---	---	---	47.3	47.6	47.1
9/1/2015	14:26	39.0	39.8	38.3	51.6	52.9	50.2	---	---	---	42.5	43.4	41.7
9/1/2015	14:28	44.4	45.0	43.7	41.4	42.0	40.6	---	---	---	42.2	42.6	41.7
9/1/2015	14:30	39.8	40.1	39.5	38.9	39.4	38.6	---	---	---	40.3	40.5	40.0
9/1/2015	14:32	38.2	38.6	37.9	40.1	40.8	39.3	---	---	---	38.7	38.9	38.6
9/1/2015	14:34	40.2	40.6	39.7	47.0	49.0	43.5	50.2	52.4	47.3	39.4	39.9	39.0
9/1/2015	14:36	37.9	38.2	37.6	47.1	49.3	44.6	42.8	43.0	42.6	40.6	40.8	40.3
9/1/2015	14:38	38.4	38.7	38.1	---	---	---	43.2	43.5	42.9	39.5	39.7	39.3
9/1/2015	14:40	41.2	41.8	40.8	---	---	---	43.4	43.8	43.1	43.5	44.2	42.8
9/1/2015	14:42	41.0	41.7	40.4	---	---	---	42.3	42.5	42.1	39.4	39.7	39.2
9/1/2015	14:44	38.8	39.1	38.4	---	---	---	42.5	42.7	42.3	39.1	39.2	38.9
9/1/2015	14:46	41.6	43.0	40.0	---	---	---	42.4	42.5	42.3	39.5	39.7	39.4
9/1/2015	14:48	40.3	40.8	40.0	---	---	---	43.2	43.4	42.9	43.2	43.5	42.9
9/1/2015	14:50	36.9	37.5	36.4	---	---	---	44.2	45.1	42.8	38.0	38.4	37.7
9/1/2015	14:52	39.2	39.7	38.7	---	---	---	41.7	42.6	41.4	38.0	38.2	37.8
9/1/2015	14:54	39.9	40.8	38.9	---	---	---	46.6	48.4	43.9	37.9	38.1	37.7
9/1/2015	14:56	38.2	38.8	37.6	---	---	---	39.2	40.6	36.4	44.8	47.6	43.0
9/1/2015	14:58	39.7	40.1	39.3	---	---	---	43.9	45.3	42.4	42.0	42.3	41.6
9/1/2015	15:00	41.3	42.2	40.5	---	---	---	64.1	66.4	60.3	43.5	44.8	41.8
9/1/2015	15:02	42.6	43.2	41.9	---	---	---	46.8	47.8	46.8	41.2	41.4	41.0
9/1/2015	15:04	41.9	42.7	41.0	---	---	---	43.0	43.2	42.8	41.7	42.0	41.3
9/1/2015	15:06	42.5	42.9	42.1	---	---	---	43.4	43.6	43.1	42.6	43.0	42.2
9/1/2015	15:08	41.0	41.6	40.5	---	---	---	43.4	43.7	43.2	41.9	42.3	41.5

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/1/2015	15:10	39.4	40.5	38.3	---	---	---	42.2	42.4	42.1	40.6	40.7	40.3
9/1/2015	15:12	36.9	37.2	36.8	---	---	---	42.9	43.1	42.8	43.1	43.5	42.8
9/1/2015	15:14	36.1	36.3	35.9	---	---	---	42.1	42.2	42.0	40.2	40.3	40.0
9/1/2015	15:16	37.5	38.0	37.0	---	---	---	42.5	42.6	42.4	40.5	40.7	40.4
9/1/2015	15:18	36.7	37.1	36.5	---	---	---	45.0	45.9	44.3	48.6	50.4	45.2
9/1/2015	15:20	40.7	41.8	39.6	---	---	---	43.1	43.3	43.0	41.5	41.8	41.3
9/1/2015	15:22	39.4	39.9	38.9	---	---	---	42.2	42.3	42.1	39.8	40.0	39.6
9/1/2015	15:24	39.3	40.0	38.5	---	---	---	42.1	42.2	41.9	40.4	40.5	40.2
9/1/2015	15:26	41.6	42.2	41.1	---	---	---	46.8	47.2	46.4	51.6	52.0	51.3
9/1/2015	15:28	45.4	47.4	42.6	---	---	---	42.1	42.3	42.0	39.7	40.0	39.5
9/1/2015	15:30	41.9	42.4	41.4	---	---	---	42.4	42.6	42.3	40.2	40.4	39.9
9/1/2015	15:32	39.3	39.7	38.8	---	---	---	43.9	44.1	43.6	44.1	44.5	43.7
9/1/2015	15:34	37.0	37.2	36.8	---	---	---	41.9	42.0	41.8	38.4	38.8	38.1
9/1/2015	15:36	35.9	36.1	35.7	---	---	---	41.7	41.8	41.6	39.0	39.2	38.8
9/1/2015	15:38	35.3	35.5	35.1	---	---	---	33.7	34.2	33.6	37.9	38.1	37.7
9/1/2015	15:40	38.5	39.3	38.0	---	---	---	33.8	34.0	33.6	38.3	38.5	38.1
9/1/2015	15:42	39.7	40.9	38.4	---	---	---	35.4	35.8	35.1	38.7	38.9	38.5
9/1/2015	15:44	39.8	40.4	39.2	---	---	---	42.9	43.1	42.7	42.7	43.2	42.1
9/1/2015	15:46	40.5	41.2	39.7	---	---	---	42.2	42.4	42.1	38.8	39.1	38.6
9/1/2015	15:48	39.6	40.7	38.0	---	---	---	42.5	42.6	42.3	38.8	39.1	38.5
9/1/2015	15:50	42.7	43.3	42.1	---	---	---	42.5	42.6	42.3	38.1	38.4	37.9
9/1/2015	15:52	39.6	40.4	38.7	---	---	---	43.0	43.2	42.8	40.2	40.5	39.9
9/1/2015	15:54	36.8	37.4	36.3	---	---	---	42.2	42.3	42.1	37.5	37.6	37.4
9/1/2015	15:56	40.5	41.2	40.0	---	---	---	43.5	43.8	43.3	39.8	40.1	39.5
9/1/2015	15:58	37.1	37.8	36.3	---	---	---	42.2	42.3	42.1	38.7	38.9	38.4
9/1/2015	16:00	38.4	38.9	38.0	---	---	---	42.2	42.4	42.1	38.4	38.6	38.2
9/1/2015	16:02	40.0	40.8	39.4	---	---	---	42.6	42.8	42.5	39.4	39.7	39.1
9/1/2015	16:04	37.4	37.6	37.2	---	---	---	42.7	42.8	42.5	39.2	39.4	39.0
9/1/2015	16:06	40.4	41.0	39.7	---	---	---	43.3	43.6	43.1	42.5	43.0	42.0
9/1/2015	16:08	43.1	44.4	41.6	---	---	---	42.2	42.3	42.1	38.3	38.5	38.2
9/1/2015	16:10	42.6	44.0	40.9	---	---	---	42.2	42.3	42.1	38.7	38.8	38.5
9/1/2015	16:12	40.2	41.3	38.8	---	---	---	42.1	42.2	42.0	38.8	38.9	38.6
9/1/2015	16:14	38.3	38.8	37.9	---	---	---	42.5	42.7	42.4	40.3	40.6	40.1
9/1/2015	16:16	38.2	38.9	37.3	---	---	---	42.2	42.3	42.1	39.3	39.4	39.1
9/1/2015	16:18	40.6	41.3	39.8	---	---	---	42.7	42.9	42.5	40.8	41.3	40.3
9/1/2015	16:20	44.8	45.3	44.2	---	---	---	43.3	43.5	43.1	41.4	41.7	41.1
9/1/2015	16:22	39.4	39.6	39.1	---	---	---	42.4	42.5	42.3	40.2	40.5	39.9
9/1/2015	16:24	42.2	42.8	41.7	---	---	---	42.6	42.8	42.5	39.8	40.1	39.6
9/1/2015	16:26	45.0	45.6	44.5	---	---	---	43.9	44.3	43.5	42.0	42.5	41.5
9/1/2015	16:28	41.4	41.8	41.1	---	---	---	43.0	43.2	42.8	41.3	41.7	41.1
9/1/2015	16:30	45.6	46.3	45.0	---	---	---	43.4	43.6	43.2	41.5	41.8	41.1
9/2/2015	7:00	42.0	42.3	41.7	---	---	---	71.0	71.0	70.9	48.4	48.5	48.3
9/2/2015	7:02	42.5	42.8	42.2	---	---	---	70.4	70.5	70.4	49.1	49.3	48.9
9/2/2015	7:04	43.9	44.3	43.5	---	---	---	71.2	71.6	70.9	71.2	71.5	70.9
9/2/2015	7:06	42.4	42.8	42.1	---	---	---	49.1	49.5	48.8	67.8	68.5	67.3
9/2/2015	7:08	42.8	43.2	42.4	---	---	---	49.1	49.6	48.7	66.4	67.3	65.4
9/2/2015	7:10	39.9	40.2	39.6	---	---	---	52.4	52.7	52.1	62.4	63.0	61.7
9/2/2015	7:12	43.1	43.4	42.8	---	---	---	53.4	53.7	53.1	62.1	62.4	61.8
9/2/2015	7:14	41.7	42.1	41.4	---	---	---	53.3	53.6	53.0	62.4	62.7	62.1
9/2/2015	7:16	44.6	45.0	44.1	---	---	---	53.9	54.3	53.6	62.6	63.0	62.3
9/2/2015	7:18	44.0	44.5	43.7	---	---	---	54.2	54.4	53.8	63.4	63.6	63.1
9/2/2015	7:20	45.7	46.2	45.2	---	---	---	55.2	55.5	54.7	62.8	63.1	62.5
9/2/2015	7:22	46.1	46.6	45.6	---	---	---	58.4	59.3	57.5	61.6	62.0	61.1
9/2/2015	7:24	45.4	46.0	44.8	---	---	---	54.4	55.0	53.8	59.5	59.9	59.1
9/2/2015	7:26	46.5	47.0	46.0	---	---	---	59.4	60.2	58.5	60.8	61.2	60.4
9/2/2015	7:28	44.2	44.6	43.8	---	---	---	58.7	59.5	57.7	60.4	60.8	59.9
9/2/2015	7:30	47.6	48.1	47.0	---	---	---	49.4	49.9	48.9	55.5	55.9	55.1
9/2/2015	7:32	48.7	49.2	48.2	---	---	---	58.6	59.3	57.8	61.0	61.4	60.4
9/2/2015	7:34	44.2	44.4	43.4	---	---	---	57.8	58.6	57.1	61.0	61.6	60.5
9/2/2015	7:36	44.5	45.2	44.3	---	---	---	49.9	50.2	49.6	55.5	55.8	55.2
9/2/2015	7:38	39.7	40.0	39.2	---	---	---	43.4	43.6	43.0	51.8	52.2	51.3
9/2/2015	7:40	41.9	42.7	41.3	---	---	---	46.4	47.0	45.8	48.8	49.0	48.6
9/2/2015	7:42	41.3	41.9	40.7	---	---	---	43.5	43.7	43.3	48.5	48.6	48.4
9/2/2015	7:44	40.9	41.3	40.4	---	---	---	46.8	47.0	46.4	52.5	52.7	52.1
9/2/2015	7:46	42.5	42.8	42.1	---	---	---	49.5	50.0	49.1	56.9	57.4	56.5
9/2/2015	7:48	41.9	42.1	41.6	---	---	---	48.1	48.2	47.9	55.0	55.1	54.7
9/2/2015	7:50	45.4	45.8	45.0	---	---	---	50.5	50.9	50.1	58.4	58.9	57.6

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/2/2015	7:52	50.7	51.5	49.5	---	---	---	51.0	51.8	50.2	55.9	57.0	55.2
9/2/2015	7:54	50.7	51.9	49.4	---	---	---	48.7	49.1	48.4	52.0	52.3	51.8
9/2/2015	7:56	49.5	50.6	48.2	---	---	---	49.4	50.0	48.9	53.3	53.5	53.0
9/2/2015	7:58	46.6	47.6	45.4	---	---	---	48.5	49.1	47.8	52.1	52.4	51.8
9/2/2015	8:00	44.6	44.9	44.3	---	---	---	48.0	48.2	47.8	53.5	53.7	53.3
9/2/2015	8:02	44.8	45.2	44.5	---	---	---	48.6	48.8	48.4	53.6	53.9	53.4
9/2/2015	8:04	42.7	42.9	42.5	---	---	---	48.7	48.9	48.5	54.5	54.7	54.3
9/2/2015	8:06	46.8	47.4	46.0	---	---	---	49.1	49.3	48.8	54.3	54.5	54.0
9/2/2015	8:08	46.4	47.0	46.0	---	---	---	58.9	61.2	55.6	53.6	54.2	53.1
9/2/2015	8:10	45.2	45.5	44.9	---	---	---	56.8	57.3	56.2	54.7	55.0	54.4
9/2/2015	8:12	44.2	45.0	43.5	---	---	---	46.7	46.9	46.5	53.5	53.7	53.2
9/2/2015	8:14	44.1	44.5	43.8	---	---	---	47.3	47.6	47.1	54.8	55.1	54.6
9/2/2015	8:16	41.6	42.2	41.0	---	---	---	45.3	45.5	45.1	52.9	53.2	52.7
9/2/2015	8:18	41.7	42.2	41.3	---	---	---	45.9	46.1	45.7	52.7	52.9	52.5
9/2/2015	8:20	40.6	41.3	40.0	---	---	---	45.0	45.3	44.8	52.0	52.2	51.7
9/2/2015	8:22	44.0	45.0	43.0	---	---	---	44.9	45.2	44.7	52.3	52.5	52.1
9/2/2015	8:24	40.8	41.5	40.2	---	---	---	44.8	45.0	44.5	53.5	53.7	53.2
9/2/2015	8:26	41.1	41.4	40.8	---	---	---	46.0	46.2	45.8	54.6	54.8	54.3
9/2/2015	8:28	42.0	42.2	41.7	---	---	---	49.4	49.5	48.6	54.9	55.1	54.6
9/2/2015	8:30	44.1	44.6	43.8	---	---	---	52.8	53.3	52.5	56.3	56.5	56.0
9/2/2015	8:32	43.2	43.7	42.8	---	---	---	47.8	48.0	47.6	54.7	54.8	54.5
9/2/2015	8:34	43.9	44.3	43.5	---	---	---	49.7	50.0	49.5	55.8	56.1	55.6
9/2/2015	8:36	53.8	54.5	53.0	---	---	---	49.7	49.8	49.4	56.0	56.2	55.8
9/2/2015	8:38	47.1	48.9	45.2	---	---	---	57.0	58.5	55.7	55.1	55.6	54.8
9/2/2015	8:40	42.2	42.4	42.0	---	---	---	51.7	51.8	51.6	51.9	52.1	51.6
9/2/2015	8:42	42.9	43.2	42.6	---	---	---	51.5	51.6	51.4	51.2	51.5	51.0
9/2/2015	8:44	41.2	41.6	40.7	---	---	---	51.3	51.4	51.2	51.6	51.8	51.4
9/2/2015	8:46	43.1	43.5	42.8	---	---	---	51.3	51.4	51.2	53.0	53.3	52.8
9/2/2015	8:48	42.6	42.8	42.1	---	---	---	51.1	51.2	51.0	53.7	53.9	53.5
9/2/2015	8:50	41.8	42.4	41.2	---	---	---	50.7	50.8	50.6	52.5	52.7	52.2
9/2/2015	8:52	41.8	42.0	41.2	---	---	---	57.0	57.4	56.5	54.3	54.6	53.9
9/2/2015	8:54	44.5	44.9	44.4	---	---	---	49.2	49.4	49.0	54.4	54.6	54.2
9/2/2015	8:56	43.9	44.4	43.4	---	---	---	46.8	47.0	46.6	52.3	52.5	52.0
9/2/2015	8:58	42.0	42.2	41.8	---	---	---	47.7	47.9	47.5	52.3	52.6	52.1
9/2/2015	9:00	41.8	42.2	41.4	---	---	---	47.2	47.4	47.1	52.7	52.9	52.4
9/2/2015	9:02	41.5	41.7	41.3	---	---	---	47.3	47.6	47.2	52.8	53.0	52.5
9/2/2015	9:04	48.0	48.5	47.3	---	---	---	46.4	46.7	46.1	51.9	52.2	51.7
9/2/2015	9:06	53.5	54.0	52.9	---	---	---	55.7	56.0	55.0	57.2	57.4	56.8
9/2/2015	9:08	51.7	52.0	49.7	---	---	---	54.3	54.9	54.2	58.9	59.2	58.7
9/2/2015	9:10	53.4	54.6	53.1	---	---	---	54.3	55.0	53.8	58.9	59.2	58.6
9/2/2015	9:12	44.1	44.4	43.8	---	---	---	53.4	54.1	52.8	58.9	59.2	58.6
9/2/2015	9:14	44.7	45.0	44.3	---	---	---	52.4	53.0	51.7	58.7	59.1	58.4
9/2/2015	9:16	43.6	43.9	43.3	---	---	---	51.6	52.1	51.2	58.0	58.4	57.6
9/2/2015	9:18	54.2	55.8	52.5	---	---	---	53.2	54.0	52.4	59.6	60.3	59.0
9/2/2015	9:20	45.2	46.1	44.3	---	---	---	51.9	52.9	50.8	59.5	60.5	58.4
9/2/2015	9:22	50.8	51.8	49.5	---	---	---	52.8	53.6	51.9	58.9	59.7	57.9
9/2/2015	9:24	52.5	53.3	51.5	---	---	---	56.4	57.2	55.5	59.0	59.6	58.4
9/2/2015	9:26	57.3	58.1	56.6	---	---	---	58.0	58.6	57.2	59.9	60.4	59.5
9/2/2015	9:28	47.2	47.8	46.9	---	---	---	51.8	52.3	51.4	57.9	58.3	57.6
9/2/2015	9:30	45.5	46.0	45.0	---	---	---	56.9	57.6	56.2	58.0	58.5	57.5
9/2/2015	9:32	50.1	51.9	47.7	---	---	---	51.1	51.7	50.6	58.5	59.0	58.1
9/2/2015	9:34	44.5	45.2	43.6	---	---	---	50.9	51.3	50.4	58.4	58.9	57.9
9/2/2015	9:36	44.4	46.0	43.4	---	---	---	49.9	50.3	49.5	57.3	57.8	56.9
9/2/2015	9:38	44.8	45.5	44.1	---	---	---	50.4	51.0	49.8	57.2	57.8	56.6
9/2/2015	9:40	42.7	43.2	42.1	---	---	---	50.0	50.8	49.1	57.8	58.6	57.0
9/2/2015	9:42	44.1	44.6	43.5	---	---	---	51.7	52.5	50.9	57.4	58.1	56.7
9/2/2015	9:44	43.3	43.8	42.9	---	---	---	51.7	52.4	51.2	58.3	58.7	57.8
9/2/2015	9:46	44.3	45.1	43.2	---	---	---	49.3	49.7	48.9	57.5	58.0	57.0
9/2/2015	9:48	44.2	44.5	43.6	---	---	---	50.7	51.1	50.3	58.1	58.4	57.8
9/2/2015	9:50	50.4	51.1	49.7	---	---	---	51.7	52.2	51.4	59.2	59.6	58.9
9/2/2015	9:52	42.1	42.8	41.7	---	---	---	47.5	48.1	47.0	58.5	59.2	57.9
9/2/2015	9:54	43.2	43.8	42.3	---	---	---	49.4	49.9	48.9	58.5	58.9	58.1
9/2/2015	9:56	43.1	43.8	42.5	---	---	---	48.7	49.1	48.3	57.8	58.2	57.4
9/2/2015	9:58	43.5	44.5	42.6	---	---	---	45.9	46.2	45.6	57.1	57.5	56.7
9/2/2015	10:00	40.9	41.9	39.9	---	---	---	46.2	46.5	45.9	58.3	58.9	57.8
9/2/2015	10:02	42.3	43.6	40.7	---	---	---	44.9	45.2	44.6	57.0	57.4	56.6
9/2/2015	10:04	43.4	44.2	42.5	---	---	---	45.9	46.2	45.5	58.2	58.6	57.7

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/2/2015	10:06	44.4	45.3	43.4	---	---	---	49.6	50.2	49.1	65.7	66.4	64.9
9/2/2015	10:08	43.2	44.3	42.2	---	---	---	48.1	48.5	47.6	57.7	58.0	57.4
9/2/2015	10:10	43.8	45.0	42.5	---	---	---	44.6	45.0	44.2	57.3	57.6	57.0
9/2/2015	10:12	48.9	49.6	48.1	---	---	---	47.4	48.0	46.9	57.2	57.6	56.8
9/2/2015	10:14	45.1	45.9	44.2	---	---	---	50.3	51.0	49.7	58.6	59.2	57.9
9/2/2015	10:16	44.7	45.6	43.8	---	---	---	49.1	49.5	48.8	58.3	58.7	57.9
9/2/2015	10:18	44.1	44.8	43.3	---	---	---	48.7	49.3	48.1	57.8	58.4	57.2
9/2/2015	10:20	44.0	44.9	43.0	---	---	---	47.6	48.1	47.1	58.2	58.8	57.6
9/2/2015	10:22	43.2	44.2	42.0	---	---	---	45.0	45.3	44.8	54.7	54.9	54.4
9/2/2015	10:24	45.1	46.4	43.3	---	---	---	44.3	44.6	44.1	53.3	53.7	53.0
9/2/2015	10:26	55.6	56.6	54.7	---	---	---	42.4	42.6	42.1	52.7	52.9	52.5
9/2/2015	10:28	42.4	43.2	41.6	---	---	---	60.0	61.2	58.6	56.4	56.8	55.9
9/2/2015	10:30	42.2	42.8	41.6	---	---	---	60.8	61.8	59.6	55.8	56.3	55.5
9/2/2015	10:32	43.3	44.1	42.3	---	---	---	47.8	48.1	47.5	55.6	55.8	55.2
9/2/2015	10:34	43.8	44.5	43.0	---	---	---	51.1	51.5	50.8	57.3	57.7	57.0
9/2/2015	10:36	46.4	47.8	44.9	---	---	---	52.2	52.7	51.8	57.6	57.9	57.2
9/2/2015	10:38	46.0	47.2	44.7	---	---	---	50.3	50.7	49.8	56.6	57.1	56.1
9/2/2015	10:40	43.4	44.4	42.6	---	---	---	47.0	47.9	46.1	53.7	55.0	52.5
9/2/2015	10:42	42.1	42.8	41.4	---	---	---	51.2	52.7	49.4	59.4	60.9	57.6
9/2/2015	10:44	42.5	43.1	41.9	---	---	---	56.9	57.9	55.8	63.3	64.3	62.2
9/2/2015	10:46	48.9	50.9	46.2	---	---	---	43.8	45.3	42.1	50.5	52.7	47.9
9/2/2015	10:48	46.3	47.0	45.5	---	---	---	52.1	52.9	51.1	59.1	59.9	58.1
9/2/2015	10:50	44.5	45.1	44.1	---	---	---	52.5	53.1	52.0	58.8	59.3	58.4
9/2/2015	10:52	45.2	45.6	44.9	---	---	---	49.3	49.7	48.9	57.6	57.9	57.2
9/2/2015	10:54	45.1	45.6	44.6	---	---	---	50.9	51.3	50.3	58.5	59.1	57.8
9/2/2015	10:56	46.9	47.3	46.5	---	---	---	53.5	54.3	52.8	60.3	60.9	59.5
9/2/2015	10:58	47.1	47.4	46.8	---	---	---	51.4	51.9	51.1	59.0	59.4	58.6
9/2/2015	11:00	45.1	45.7	44.4	---	---	---	50.7	51.7	49.6	59.5	60.5	58.4
9/2/2015	11:02	45.0	45.6	44.4	---	---	---	49.7	50.4	48.9	59.2	60.2	58.2
9/2/2015	11:04	44.9	45.5	44.2	---	---	---	52.1	52.8	51.6	59.0	59.6	58.2
9/2/2015	11:06	46.6	47.0	46.1	---	---	---	53.0	53.6	52.3	59.5	60.2	58.8
9/2/2015	11:08	46.8	47.5	46.1	---	---	---	52.0	52.5	51.4	58.6	59.1	58.2
9/2/2015	11:10	49.1	49.8	48.2	---	---	---	51.1	51.6	50.6	56.1	56.5	55.6
9/2/2015	11:12	45.7	46.0	45.3	---	---	---	52.2	52.9	51.5	59.5	60.5	58.5
9/2/2015	11:14	46.6	47.2	46.0	---	---	---	56.5	57.2	55.5	55.7	56.2	55.2
9/2/2015	11:16	44.8	45.5	44.1	---	---	---	56.2	56.9	55.7	56.1	56.4	55.8
9/2/2015	11:18	41.7	42.0	41.4	---	---	---	55.2	55.4	55.1	54.2	54.6	54.0
9/2/2015	11:20	42.2	42.5	42.0	---	---	---	54.9	55.0	54.7	53.8	54.1	53.5
9/2/2015	11:22	46.1	46.7	45.3	---	---	---	54.9	55.0	54.7	52.6	52.8	52.3
9/2/2015	11:24	47.4	48.2	46.7	---	---	---	54.8	54.9	54.7	53.8	54.0	53.5
9/2/2015	11:26	42.4	42.8	42.1	---	---	---	54.7	54.9	54.6	55.1	55.4	54.8
9/2/2015	11:28	51.3	51.8	50.7	---	---	---	56.3	56.4	56.0	56.9	57.2	56.6
9/2/2015	11:30	45.8	46.2	45.4	---	---	---	55.6	55.9	55.5	56.0	56.4	55.7
9/2/2015	11:32	47.9	48.4	47.3	---	---	---	54.9	55.0	54.8	54.7	54.9	54.5
9/2/2015	11:34	46.7	47.2	46.2	---	---	---	55.2	55.4	55.1	53.7	54.1	53.3
9/2/2015	11:36	45.6	46.1	45.1	---	---	---	55.3	55.5	55.2	54.2	54.5	53.9
9/2/2015	11:38	44.8	45.4	44.1	---	---	---	55.7	55.8	55.6	55.6	55.9	55.2
9/2/2015	11:40	50.0	50.1	49.8	---	---	---	55.6	55.7	55.4	55.2	55.6	54.7
9/2/2015	11:42	53.3	53.9	52.6	---	---	---	56.8	56.9	56.7	60.2	60.4	59.9
9/2/2015	11:44	43.8	44.1	43.5	---	---	---	56.9	57.1	56.7	59.4	59.8	59.1
9/2/2015	11:46	49.9	50.8	49.1	---	---	---	54.8	54.9	54.7	52.9	53.6	52.2
9/2/2015	11:48	43.3	43.7	43.0	---	---	---	54.5	54.6	54.4	50.9	51.7	50.1
9/2/2015	11:50	42.7	43.2	42.3	---	---	---	54.7	54.8	54.6	52.0	52.7	51.2
9/2/2015	11:52	43.0	43.4	42.5	---	---	---	54.9	55.1	54.8	53.2	54.0	52.5
9/2/2015	11:54	41.0	41.5	40.6	---	---	---	54.6	54.7	54.5	46.7	46.9	46.6
9/2/2015	11:56	45.1	45.5	44.7	---	---	---	55.4	55.7	55.2	53.7	54.3	53.1
9/2/2015	11:58	43.9	44.3	43.5	---	---	---	54.8	55.0	54.7	47.6	48.0	47.4
9/2/2015	12:00	53.6	54.3	53.0	---	---	---	54.4	54.5	54.3	45.9	46.1	45.8
9/2/2015	12:02	41.8	42.2	41.5	---	---	---	54.7	54.8	54.5	50.3	50.4	49.8
9/2/2015	12:04	42.5	42.7	42.3	---	---	---	62.7	64.3	60.8	61.5	61.8	61.1
9/2/2015	12:06	44.7	45.0	44.4	---	---	---	58.1	58.3	57.8	62.5	62.9	62.2
9/2/2015	12:08	44.7	45.0	44.4	---	---	---	58.3	58.5	58.0	62.1	62.4	61.7
9/2/2015	12:10	42.7	42.9	42.4	---	---	---	57.4	57.6	57.1	62.5	62.8	62.1
9/2/2015	12:12	43.1	43.4	42.8	---	---	---	57.9	58.2	57.6	62.1	62.5	61.8
9/2/2015	12:14	45.4	45.7	45.1	---	---	---	59.4	59.8	58.9	60.3	60.8	59.8
9/2/2015	12:16	46.6	46.9	46.2	---	---	---	58.9	59.5	58.4	62.1	62.9	61.3
9/2/2015	12:18	44.8	45.2	44.3	---	---	---	57.5	58.0	56.9	64.4	64.9	63.9

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/2/2015	12:20	41.7	42.0	41.5	---	---	---	55.5	56.0	55.2	63.4	63.8	63.0
9/2/2015	12:22	41.6	41.9	41.3	---	---	---	51.3	51.7	50.9	59.7	60.2	59.3
9/2/2015	12:24	44.5	45.0	44.1	---	---	---	52.2	52.6	51.8	59.0	59.4	58.6
9/2/2015	12:26	45.2	45.8	44.5	---	---	---	51.0	51.4	50.3	56.8	57.5	56.1
9/2/2015	12:28	42.1	42.5	41.8	---	---	---	62.1	63.5	60.4	---	---	---
9/2/2015	12:30	47.4	48.4	46.4	---	---	---	58.8	59.2	58.5	---	---	---
9/2/2015	12:32	42.0	42.5	41.6	---	---	---	63.6	64.4	63.0	---	---	---
9/2/2015	12:34	43.6	44.0	43.1	---	---	---	60.9	61.2	60.6	---	---	---
9/2/2015	12:36	44.0	44.6	43.4	---	---	---	63.3	63.7	62.9	---	---	---
9/2/2015	12:38	46.1	46.6	45.4	---	---	---	62.7	62.8	62.5	---	---	---
9/2/2015	12:40	47.3	47.5	47.1	---	---	---	63.7	64.1	63.3	---	---	---
9/2/2015	12:42	48.8	49.2	48.3	---	---	---	64.5	65.3	63.7	---	---	---
9/2/2015	12:44	48.7	49.5	48.0	---	---	---	56.6	57.5	55.8	---	---	---
9/2/2015	12:46	40.0	40.3	39.7	---	---	---	59.7	60.2	59.1	47.2	48.2	47.4
9/2/2015	12:48	42.3	42.6	42.0	---	---	---	64.1	64.6	63.7	71.3	72.0	70.7
9/2/2015	12:50	42.1	42.4	41.8	---	---	---	58.2	58.8	57.6	62.0	62.5	61.3
9/2/2015	12:52	45.7	46.1	45.3	---	---	---	57.2	57.6	56.9	61.3	61.9	60.6
9/2/2015	12:54	43.9	44.3	43.4	---	---	---	57.0	57.4	56.7	61.0	61.4	60.6
9/2/2015	12:56	51.3	52.3	50.0	---	---	---	55.0	55.3	54.7	61.1	61.4	60.8
9/2/2015	12:58	42.1	42.6	41.5	---	---	---	54.4	54.8	54.0	59.9	60.2	59.7
9/2/2015	13:00	42.9	43.9	42.1	---	---	---	54.7	55.0	54.4	60.8	61.1	60.5
9/2/2015	13:02	45.1	45.4	44.8	---	---	---	61.7	62.3	61.0	61.1	61.4	60.8
9/2/2015	13:04	43.6	43.9	43.3	---	---	---	56.7	57.1	56.4	63.5	63.9	63.2
9/2/2015	13:06	44.5	44.8	44.1	---	---	---	58.4	58.8	57.9	64.7	65.3	64.1
9/2/2015	13:08	44.3	44.6	43.9	---	---	---	57.6	58.1	57.0	63.9	64.3	63.5
9/2/2015	13:10	44.7	45.0	44.4	---	---	---	59.6	60.4	58.4	63.0	63.4	62.6
9/2/2015	13:12	47.9	48.2	47.3	---	---	---	57.8	58.1	57.5	61.0	61.4	60.6
9/2/2015	13:14	47.7	48.2	47.4	---	---	---	57.6	58.0	57.2	60.9	61.5	60.4
9/2/2015	13:16	47.0	47.3	46.8	---	---	---	58.2	58.5	58.0	61.2	61.6	60.8
9/2/2015	13:18	45.4	45.8	45.2	---	---	---	57.6	58.1	57.1	61.6	62.1	61.0
9/2/2015	13:20	41.2	41.7	40.8	---	---	---	55.5	56.1	54.8	54.1	54.8	53.7
9/2/2015	13:22	43.6	43.9	43.3	---	---	---	59.0	59.6	58.4	58.4	58.9	57.9
9/2/2015	13:24	48.4	48.7	48.1	---	---	---	56.5	57.0	55.8	63.2	63.7	62.6
9/2/2015	13:26	48.3	48.5	48.0	---	---	---	57.3	57.9	56.5	62.9	63.5	62.3
9/2/2015	13:28	50.4	50.9	49.9	---	---	---	61.1	62.3	59.9	66.4	67.3	65.1
9/2/2015	13:30	48.7	49.3	48.0	---	---	---	60.3	61.3	59.2	67.6	68.5	66.6
9/2/2015	13:32	47.0	47.4	46.6	---	---	---	60.3	61.3	59.3	67.2	68.1	66.3
9/2/2015	13:34	47.5	48.0	47.1	---	---	---	55.9	56.7	54.9	63.5	64.3	62.7
9/2/2015	13:36	47.5	48.2	46.9	---	---	---	60.0	61.3	58.7	65.1	66.1	64.0
9/2/2015	13:38	46.8	47.2	46.4	---	---	---	---	---	---	63.2	64.0	62.5
9/2/2015	13:40	47.8	48.0	47.4	---	---	---	---	---	---	61.9	62.2	61.6
9/2/2015	13:42	48.1	48.5	47.7	---	---	---	---	---	---	61.8	62.0	61.5
9/2/2015	13:44	46.3	46.6	45.8	---	---	---	---	---	---	61.9	62.2	61.6
9/2/2015	13:46	48.2	48.7	47.9	---	---	---	---	---	---	62.0	62.3	61.6
9/2/2015	13:48	45.8	46.2	45.5	---	---	---	---	---	---	63.2	63.6	62.8
9/2/2015	13:50	46.0	46.4	45.6	---	---	---	---	---	---	62.6	62.9	62.2
9/2/2015	13:52	44.2	44.4	44.0	---	---	---	---	---	---	62.5	62.8	62.2
9/2/2015	13:54	46.0	46.3	45.5	---	---	---	---	---	---	62.0	62.3	61.6
9/2/2015	13:56	46.3	46.9	45.7	---	---	---	---	---	---	62.1	62.4	61.7
9/2/2015	13:58	45.0	45.3	44.8	---	---	---	---	---	---	62.9	63.4	62.5
9/2/2015	14:00	44.0	44.4	43.7	---	---	---	---	---	---	62.7	63.1	62.4
9/2/2015	14:02	45.5	46.0	44.9	---	---	---	---	---	---	62.2	62.6	61.9
9/2/2015	14:04	47.7	48.8	46.7	---	---	---	54.1	55.6	52.8	62.7	63.0	62.3
9/2/2015	14:06	45.7	46.1	45.4	---	---	---	55.3	56.3	54.6	61.5	62.0	61.1
9/2/2015	14:08	43.9	44.2	43.4	53.4	53.8	52.8	56.3	56.7	55.3	61.3	61.7	60.7
9/2/2015	14:10	49.9	51.3	48.5	60.2	61.5	59.1	60.6	61.9	59.3	64.6	65.4	63.7
9/2/2015	14:12	46.8	47.1	46.4	59.9	60.8	58.8	58.8	59.6	58.0	61.3	61.7	60.8
9/2/2015	14:14	46.8	47.1	46.4	54.5	54.8	54.1	55.8	56.3	55.3	62.8	63.2	62.3
9/2/2015	14:16	49.6	49.9	49.4	54.4	54.7	54.1	57.1	57.5	56.6	63.1	63.5	62.8
9/2/2015	14:18	48.6	48.9	48.2	54.3	54.7	53.8	56.6	57.1	56.1	63.0	63.5	62.6
9/2/2015	14:20	49.2	49.6	48.9	55.0	55.4	54.5	57.5	57.9	56.8	62.8	63.1	62.3
9/2/2015	14:22	49.4	49.8	49.1	56.6	57.1	56.0	58.1	58.7	57.5	63.3	63.8	62.8
9/2/2015	14:24	48.5	48.7	48.2	54.7	55.0	54.3	56.3	56.8	55.9	62.9	63.3	62.5
9/2/2015	14:26	49.1	49.5	48.7	55.3	55.6	55.0	56.5	56.9	56.0	62.8	63.2	62.4
9/2/2015	14:28	46.8	47.2	46.6	54.0	54.4	53.6	56.1	56.5	55.6	61.5	61.9	61.1
9/2/2015	14:30	47.4	48.8	46.4	54.5	54.9	54.2	56.0	56.4	55.6	62.4	62.8	61.9
9/2/2015	14:32	46.2	48.0	43.6	55.7	56.4	55.0	54.0	54.7	53.3	63.8	65.1	62.8

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/2/2015	14:34	---	---	---	54.0	54.3	53.6	54.8	55.2	54.4	61.6	62.0	61.3
9/2/2015	14:36	---	---	---	53.3	53.6	53.0	55.5	56.0	55.1	62.3	62.6	62.0
9/2/2015	14:38	---	---	---	54.2	54.7	53.7	55.5	56.0	55.0	61.7	62.2	61.2
9/2/2015	14:40	---	---	---	47.5	47.9	47.2	47.4	48.0	47.0	53.7	54.4	53.2
9/2/2015	14:42	---	---	---	43.1	43.4	42.9	43.9	44.2	43.6	43.8	44.1	43.5
9/2/2015	14:44	---	---	---	41.5	41.9	41.1	42.9	43.2	42.7	43.0	43.4	42.6
9/2/2015	14:46	---	---	---	47.0	47.2	46.7	43.6	43.8	43.3	43.2	43.5	42.8
9/2/2015	14:48	---	---	---	47.6	47.8	47.4	43.9	44.1	43.5	42.3	42.7	41.8
9/2/2015	14:50	51.1	53.1	46.8	44.6	45.1	44.2	46.4	46.8	46.1	44.9	45.4	44.5
9/2/2015	14:52	49.6	51.3	46.1	41.7	42.1	41.4	42.8	43.1	42.6	42.8	43.2	42.5
9/2/2015	14:54	40.2	40.7	39.7	38.0	38.3	37.6	42.2	42.5	41.9	40.1	40.3	39.9
9/2/2015	14:56	42.8	43.2	42.4	42.1	42.6	41.5	43.9	44.2	43.6	44.0	44.4	43.6
9/2/2015	14:58	46.1	46.4	45.7	45.7	46.1	45.3	44.6	44.9	44.0	44.8	45.3	44.2
9/2/2015	15:00	47.9	48.3	47.5	48.0	48.4	47.7	46.8	47.5	46.2	44.4	44.6	43.8
9/2/2015	15:02	45.7	46.4	45.2	44.7	45.7	43.9	45.0	45.8	44.3	45.3	46.1	44.7
9/2/2015	15:04	46.5	47.6	45.3	42.8	43.4	42.3	43.4	43.8	43.0	44.7	45.2	44.1
9/2/2015	15:06	50.5	52.2	48.7	41.8	42.1	41.5	42.8	43.0	42.5	43.5	43.9	43.1
9/2/2015	15:08	50.2	51.6	48.6	42.0	42.3	41.7	42.6	42.8	42.5	43.0	43.2	42.7
9/2/2015	15:10	49.0	50.5	47.0	41.5	42.1	41.1	42.6	42.9	42.4	41.7	42.0	41.5
9/2/2015	15:12	49.4	50.8	47.6	44.5	45.1	44.0	44.2	44.6	43.8	42.4	42.7	42.1
9/2/2015	15:14	50.4	51.8	48.4	41.5	41.7	41.2	42.6	42.8	42.5	42.1	42.3	41.9
9/2/2015	15:16	51.6	53.4	49.8	42.2	42.4	41.9	43.7	44.1	43.4	42.3	42.7	41.9
9/2/2015	15:18	46.3	46.5	46.0	44.7	45.0	44.3	45.0	45.8	44.3	41.3	41.9	40.8
9/2/2015	15:20	44.7	45.2	44.3	40.3	40.8	39.8	42.0	42.3	41.7	40.7	40.9	40.3
9/2/2015	15:22	45.2	45.4	44.8	43.0	43.5	42.6	42.9	43.1	42.5	41.8	42.1	41.5
9/2/2015	15:24	50.3	50.5	50.1	46.6	46.9	46.3	46.4	47.0	45.9	43.6	44.0	43.2
9/2/2015	15:26	45.9	46.2	45.6	42.9	44.0	42.2	42.4	42.6	42.2	42.4	42.7	42.0
9/2/2015	15:28	47.0	47.5	46.5	46.3	46.7	45.8	47.1	47.5	46.6	46.1	46.5	45.4
9/2/2015	15:30	44.0	44.4	43.7	42.9	43.2	42.7	43.5	43.9	43.4	43.5	44.1	43.3
9/2/2015	15:32	43.8	44.4	43.3	41.2	41.4	40.9	42.3	42.5	42.0	41.6	41.9	41.2
9/2/2015	15:34	45.0	45.5	44.3	42.3	42.6	42.1	41.9	42.1	41.7	42.0	42.4	41.6
9/2/2015	15:36	45.9	46.6	45.3	42.2	42.5	42.0	43.1	43.4	42.9	43.2	43.5	42.9
9/2/2015	15:38	40.4	40.7	40.2	41.1	41.4	40.8	42.6	42.9	42.3	41.3	41.7	41.0
9/2/2015	15:40	41.4	41.7	41.1	42.0	42.2	41.8	43.9	44.3	43.6	43.1	43.5	42.6
9/2/2015	15:42	42.2	42.9	41.5	41.7	42.0	41.3	41.8	42.1	41.6	42.3	42.8	41.7
9/2/2015	15:44	46.4	47.6	45.2	42.4	42.7	42.1	43.7	44.0	43.3	41.2	41.5	40.8
9/2/2015	15:46	47.9	49.1	47.0	41.8	42.1	41.5	42.2	42.4	41.9	41.0	41.4	40.7
9/2/2015	15:48	48.0	48.5	47.6	41.6	41.9	41.1	42.4	42.7	42.1	40.8	41.0	40.5
9/2/2015	15:50	50.4	50.9	50.1	43.9	44.6	43.4	44.9	45.8	44.0	41.2	41.6	40.8
9/2/2015	15:52	44.3	45.0	43.7	41.2	41.4	40.8	42.5	42.8	42.1	41.3	41.5	40.9
9/2/2015	15:54	47.3	47.7	46.8	43.7	44.2	43.3	44.1	44.6	43.6	44.5	45.3	43.9
9/2/2015	15:56	45.4	45.7	45.1	39.3	39.7	39.0	41.8	42.0	41.5	40.5	40.8	40.1
9/2/2015	15:58	43.3	43.6	43.1	38.6	38.9	38.3	40.8	41.0	40.7	40.0	40.2	39.7
9/2/2015	16:00	45.2	45.8	44.5	42.4	42.7	42.2	41.7	41.8	41.5	42.8	43.2	42.3
9/2/2015	16:02	43.9	44.6	42.8	46.3	47.5	44.4	45.4	46.1	44.4	45.7	46.3	45.1
9/2/2015	16:04	45.4	45.8	45.0	43.3	43.6	43.0	42.6	42.8	42.3	41.6	41.9	41.3
9/2/2015	16:06	47.8	48.7	47.0	43.0	43.2	42.8	42.8	43.2	42.4	42.0	42.3	41.7
9/2/2015	16:08	43.2	43.5	42.9	40.8	41.0	40.3	42.2	42.4	42.0	41.1	41.4	40.8
9/2/2015	16:10	44.0	44.5	43.6	45.7	46.1	45.3	46.7	47.2	46.3	47.2	47.7	46.8
9/2/2015	16:12	42.8	43.1	42.1	46.6	47.1	45.9	47.3	47.6	46.8	50.8	51.1	50.0
9/2/2015	16:14	45.3	45.8	44.9	42.0	42.5	41.9	44.6	45.1	44.6	45.1	46.0	45.3
9/2/2015	16:16	51.8	53.4	49.8	39.6	39.8	39.3	38.5	38.9	38.1	41.3	41.5	40.9
9/2/2015	16:18	45.2	47.0	45.4	40.9	41.2	40.6	40.1	40.6	39.6	42.7	43.2	42.2
9/2/2015	16:20	50.8	50.5	48.9	46.2	46.8	45.5	47.7	48.4	46.7	46.9	47.6	46.2
9/2/2015	16:22	53.6	55.1	53.1	43.0	44.0	42.0	46.3	47.3	45.2	41.3	41.7	41.0
9/2/2015	16:24	41.8	42.4	41.2	41.3	41.8	40.5	42.1	42.1	41.6	39.9	40.1	39.7
9/2/2015	16:26	38.8	39.3	38.3	35.8	36.6	35.7	42.5	43.4	42.1	39.3	39.4	39.1
9/2/2015	16:28	41.4	42.5	40.4	36.2	36.5	35.9	42.2	42.9	41.2	39.9	40.2	39.7
9/2/2015	16:30	37.9	38.1	37.7	39.2	39.5	38.8	42.4	42.6	42.2	44.0	44.4	43.5
9/3/2015	7:00	---	---	---	42.1	42.6	41.6	44.3	45.4	43.2	52.8	54.6	50.5
9/3/2015	7:02	---	---	---	41.0	41.5	40.5	42.4	43.5	41.4	47.7	49.6	45.8
9/3/2015	7:04	---	---	---	39.7	40.0	39.4	41.1	41.5	40.7	46.8	47.7	46.1
9/3/2015	7:06	---	---	---	38.2	38.5	37.9	39.5	39.9	39.3	41.5	41.8	41.2
9/3/2015	7:08	---	---	---	39.2	39.6	38.8	39.7	40.1	39.4	42.6	43.3	42.0
9/3/2015	7:10	---	---	---	40.1	40.5	39.7	41.1	41.5	40.7	47.4	48.1	46.7
9/3/2015	7:12	---	---	---	39.9	40.5	39.4	41.0	41.4	40.5	43.5	44.1	42.9
9/3/2015	7:14	---	---	---	40.0	40.6	39.3	41.2	41.7	40.7	45.2	46.4	44.1

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/3/2015	7:16	---	---	---	41.5	42.0	41.1	42.9	43.3	42.6	44.9	45.4	44.5
9/3/2015	7:18	---	---	---	46.6	47.2	45.9	43.3	43.6	42.9	45.0	45.5	44.5
9/3/2015	7:20	---	---	---	45.2	45.7	44.6	42.0	42.4	41.6	46.9	47.4	46.3
9/3/2015	7:22	---	---	---	50.6	50.9	50.2	53.6	53.9	53.2	62.0	62.3	61.7
9/3/2015	7:24	---	---	---	51.3	51.7	50.9	54.3	54.7	53.8	61.5	61.9	61.1
9/3/2015	7:26	---	---	---	49.6	49.9	49.3	53.0	53.4	52.7	61.6	61.8	61.3
9/3/2015	7:28	---	---	---	53.6	54.0	53.1	56.5	57.0	56.0	63.7	64.0	63.4
9/3/2015	7:30	---	---	---	48.6	48.7	48.3	53.4	53.6	53.2	61.5	61.7	61.3
9/3/2015	7:32	---	---	---	50.4	50.6	50.1	54.1	54.3	53.9	61.9	62.0	61.7
9/3/2015	7:34	---	---	---	51.8	52.0	51.6	55.4	55.6	55.2	61.6	61.8	61.4
9/3/2015	7:36	---	---	---	65.7	66.6	64.9	59.7	60.2	59.1	62.2	62.3	61.9
9/3/2015	7:38	---	---	---	52.2	52.4	52.0	56.4	56.6	56.2	62.9	63.1	62.8
9/3/2015	7:40	---	---	---	53.5	53.8	53.2	55.9	56.1	55.7	61.7	61.8	61.5
9/3/2015	7:42	---	---	---	52.1	52.3	51.9	54.4	54.6	54.2	61.2	61.5	61.0
9/3/2015	7:44	---	---	---	53.4	53.8	52.9	55.9	56.4	55.4	64.0	64.4	63.6
9/3/2015	7:46	---	---	---	48.7	49.4	48.4	51.8	52.4	51.4	61.6	62.2	61.1
9/3/2015	7:48	---	---	---	38.9	39.4	38.5	40.2	40.6	39.8	42.0	42.3	41.6
9/3/2015	7:50	---	---	---	38.8	39.1	38.5	39.4	39.6	39.1	41.9	42.1	41.7
9/3/2015	7:52	---	---	---	39.6	39.9	39.3	40.9	41.3	40.6	43.9	44.2	43.6
9/3/2015	7:54	---	---	---	37.8	38.1	37.4	38.7	39.0	38.4	42.1	42.4	41.8
9/3/2015	7:56	---	---	---	41.0	41.6	40.5	43.3	43.6	43.1	43.5	43.9	43.1
9/3/2015	7:58	---	---	---	39.8	40.2	39.3	43.7	43.9	43.4	48.8	49.2	48.2
9/3/2015	8:00	---	---	---	52.5	53.1	51.7	53.7	54.1	53.2	62.3	62.8	61.8
9/3/2015	8:02	---	---	---	51.5	52.0	50.9	53.2	53.7	52.7	62.8	63.3	62.4
9/3/2015	8:04	---	---	---	54.1	54.7	53.6	52.8	53.2	52.4	61.6	62.1	61.2
9/3/2015	8:06	---	---	---	53.3	53.7	52.8	53.2	53.6	52.7	61.0	61.5	60.6
9/3/2015	8:08	---	---	---	51.6	52.0	51.2	52.0	52.3	51.6	61.4	61.7	61.1
9/3/2015	8:10	---	---	---	53.9	54.2	53.5	53.4	53.8	53.0	62.1	62.4	61.7
9/3/2015	8:12	---	---	---	51.5	51.9	51.0	53.1	53.5	52.6	62.3	62.7	61.8
9/3/2015	8:14	---	---	---	53.1	53.6	52.7	54.8	55.5	54.2	63.4	63.9	63.0
9/3/2015	8:16	---	---	---	53.4	54.0	52.7	53.8	54.1	53.2	64.0	64.6	63.4
9/3/2015	8:18	---	---	---	54.0	54.6	53.3	54.5	55.0	54.0	64.1	64.6	63.5
9/3/2015	8:20	---	---	---	53.3	53.9	52.6	54.8	55.5	54.2	64.7	65.3	64.1
9/3/2015	8:22	---	---	---	68.1	69.1	66.9	63.7	64.5	62.7	64.3	64.8	63.8
9/3/2015	8:24	---	---	---	53.5	54.0	53.1	54.7	55.1	54.3	62.4	62.8	61.9
9/3/2015	8:26	---	---	---	52.9	53.4	52.4	54.7	55.2	54.3	62.8	63.2	62.3
9/3/2015	8:28	---	---	---	53.7	54.1	53.3	54.4	54.7	54.0	62.9	63.3	62.6
9/3/2015	8:30	---	---	---	54.2	54.5	53.8	54.0	54.4	53.6	62.0	62.3	61.8
9/3/2015	8:32	---	---	---	53.0	53.5	52.4	54.7	55.2	54.2	63.8	64.2	63.2
9/3/2015	8:34	---	---	---	53.0	53.6	52.5	53.4	54.0	52.8	64.4	65.0	63.8
9/3/2015	8:36	---	---	---	50.3	50.7	49.9	51.5	51.9	51.2	62.7	63.0	62.4
9/3/2015	8:38	---	---	---	52.4	52.9	51.9	50.7	51.0	50.4	62.4	62.7	62.1
9/3/2015	8:40	---	---	---	51.1	51.5	50.7	51.9	52.2	51.4	62.0	62.4	61.7
9/3/2015	8:42	---	---	---	60.1	60.9	59.3	60.6	61.5	59.6	62.8	63.1	62.3
9/3/2015	8:44	---	---	---	55.7	56.2	55.3	56.2	56.7	55.9	60.9	61.3	60.6
9/3/2015	8:46	---	---	---	55.2	55.6	54.7	54.6	54.9	54.2	61.3	61.6	61.0
9/3/2015	8:48	---	---	---	48.1	48.5	47.5	49.8	50.2	49.3	60.9	61.2	60.5
9/3/2015	8:50	---	---	---	52.4	53.0	51.9	53.8	54.7	52.8	62.9	63.4	62.5
9/3/2015	8:52	---	---	---	49.2	49.5	48.9	51.4	51.8	51.1	63.2	63.5	63.0
9/3/2015	8:54	---	---	---	51.8	52.2	51.4	50.9	51.2	50.6	62.3	62.6	62.1
9/3/2015	8:56	---	---	---	52.0	52.4	51.6	52.1	52.4	51.8	62.9	63.1	62.6
9/3/2015	8:58	---	---	---	51.3	52.1	50.5	52.9	53.6	52.1	61.6	62.1	61.1
9/3/2015	9:00	---	---	---	51.7	52.0	51.3	53.0	53.3	52.7	62.8	63.1	62.4
9/3/2015	9:02	---	---	---	54.9	55.5	54.4	54.4	54.9	53.9	62.4	62.9	62.0
9/3/2015	9:04	---	---	---	52.7	53.7	52.1	51.9	52.9	51.2	60.1	60.7	59.6
9/3/2015	9:06	---	---	---	51.7	51.8	51.3	50.9	51.1	50.5	59.5	59.7	59.2
9/3/2015	9:08	---	---	---	51.5	51.9	51.2	49.5	49.9	49.3	59.0	59.3	58.7
9/3/2015	9:10	---	---	---	51.0	51.5	50.6	50.9	51.3	50.5	60.5	60.8	60.2
9/3/2015	9:12	---	---	---	51.7	51.9	51.4	49.6	49.9	49.5	60.5	60.7	60.3
9/3/2015	9:14	---	---	---	52.1	52.4	51.9	51.3	51.5	51.0	59.9	60.1	59.7
9/3/2015	9:16	---	---	---	52.9	53.1	52.6	52.7	52.9	52.5	60.2	60.4	60.0
9/3/2015	9:18	---	---	---	53.0	53.3	52.7	53.9	54.3	53.6	61.2	61.5	61.0
9/3/2015	9:20	---	---	---	67.0	67.7	65.9	65.4	66.1	64.5	67.0	67.4	66.5
9/3/2015	9:22	---	---	---	60.7	61.5	60.2	60.0	60.7	59.5	62.8	63.2	62.5
9/3/2015	9:24	---	---	---	55.5	56.0	55.0	55.7	56.1	55.3	60.0	60.4	59.7
9/3/2015	9:26	---	---	---	53.5	53.9	52.7	55.8	56.3	55.0	61.2	61.6	60.5
9/3/2015	9:28	---	---	---	56.3	57.2	55.6	56.5	57.3	55.8	64.9	65.7	64.2

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/3/2015	9:30	---	---	---	53.7	54.3	53.0	51.0	51.6	50.4	61.9	62.4	61.4
9/3/2015	9:32	---	---	---	53.4	54.2	52.7	51.1	51.7	50.6	61.5	62.1	61.1
9/3/2015	9:34	---	---	---	55.7	56.4	54.8	56.7	57.4	55.7	64.9	65.6	64.1
9/3/2015	9:36	---	---	---	59.4	60.2	58.5	60.3	61.3	59.4	66.0	66.7	65.3
9/3/2015	9:38	---	---	---	62.6	63.2	62.0	64.8	65.3	64.2	63.7	64.2	63.3
9/3/2015	9:40	---	---	---	66.3	66.8	65.7	64.0	64.4	63.4	64.5	65.0	64.0
9/3/2015	9:42	---	---	---	59.4	60.4	59.0	59.3	60.1	59.0	63.4	63.9	62.9
9/3/2015	9:44	---	---	---	60.0	60.6	59.3	57.9	58.5	57.3	63.9	64.3	63.3
9/3/2015	9:46	---	---	---	55.0	55.6	54.4	52.5	53.2	51.9	62.9	63.5	62.4
9/3/2015	9:48	---	---	---	54.9	55.4	54.3	54.5	55.1	53.9	63.0	63.5	62.5
9/3/2015	9:50	---	---	---	59.0	59.4	58.7	57.3	57.6	56.9	62.2	62.6	61.7
9/3/2015	9:52	---	---	---	56.4	57.1	55.9	57.3	58.1	56.7	64.0	64.6	63.4
9/3/2015	9:54	---	---	---	59.9	60.2	59.6	63.3	63.7	62.7	63.1	63.6	62.7
9/3/2015	9:56	---	---	---	57.8	58.1	57.6	60.3	60.6	60.1	63.8	64.1	63.4
9/3/2015	9:58	---	---	---	54.5	54.9	54.0	54.3	54.8	53.8	62.3	62.7	61.9
9/3/2015	10:00	---	---	---	54.3	54.7	53.9	55.5	55.9	55.1	63.0	63.4	62.7
9/3/2015	10:02	---	---	---	52.6	53.1	52.3	52.9	53.3	52.5	62.1	62.4	61.8
9/3/2015	10:04	---	---	---	53.8	54.2	53.4	53.3	53.8	52.8	63.5	63.9	63.0
9/3/2015	10:06	---	---	---	51.3	51.9	50.8	50.5	51.0	50.0	63.2	63.7	62.7
9/3/2015	10:08	---	---	---	53.9	54.5	53.2	52.8	53.5	51.9	63.9	64.3	63.5
9/3/2015	10:10	---	---	---	55.2	55.5	54.7	56.8	57.4	56.2	63.8	64.2	63.4
9/3/2015	10:12	---	---	---	60.4	60.7	60.0	67.5	68.2	66.7	64.0	64.3	63.7
9/3/2015	10:14	---	---	---	60.7	61.0	60.5	65.2	65.7	64.8	64.8	65.1	64.5
9/3/2015	10:16	---	---	---	54.9	55.3	54.5	57.1	57.5	56.6	64.7	65.0	64.3
9/3/2015	10:18	---	---	---	53.9	54.7	53.2	54.8	55.6	54.2	65.6	66.3	64.9
9/3/2015	10:20	---	---	---	49.5	49.9	49.3	51.2	51.6	50.9	63.2	63.5	62.9
9/3/2015	10:22	---	---	---	51.7	51.9	51.4	56.7	57.0	56.4	64.3	64.5	64.0
9/3/2015	10:24	---	---	---	54.3	54.3	53.8	53.6	53.9	53.2	60.9	61.2	60.5
9/3/2015	10:26	---	---	---	61.8	62.2	61.4	70.6	71.3	70.0	61.1	61.4	60.7
9/3/2015	10:28	---	---	---	57.7	57.9	57.4	59.8	60.1	59.7	61.2	61.5	60.9
9/3/2015	10:30	---	---	---	61.9	62.2	61.6	67.6	68.0	67.3	62.6	63.0	62.1
9/3/2015	10:32	---	---	---	56.5	57.0	55.9	57.9	58.3	57.4	60.0	60.3	59.6
9/3/2015	10:34	---	---	---	51.8	52.2	51.6	53.8	54.3	53.8	58.7	59.1	58.5
9/3/2015	10:36	---	---	---	51.1	51.5	50.8	51.4	51.9	51.1	62.9	63.1	62.6
9/3/2015	10:38	---	---	---	49.6	49.9	49.3	48.5	48.8	48.2	66.1	66.5	65.8
9/3/2015	10:40	---	---	---	49.3	49.8	48.8	47.8	48.1	47.3	64.3	64.6	64.0
9/3/2015	10:42	---	---	---	46.9	47.3	46.7	46.2	46.5	45.9	65.8	66.1	65.5
9/3/2015	10:44	---	---	---	48.0	48.4	47.4	50.2	51.4	47.9	63.6	64.0	63.3
9/3/2015	10:46	---	---	---	47.9	48.3	47.5	46.3	46.7	45.9	60.3	60.8	59.9
9/3/2015	10:48	---	---	---	48.1	48.6	47.6	46.1	46.6	45.6	59.8	60.3	59.3
9/3/2015	10:50	---	---	---	44.0	44.3	43.6	42.9	43.1	42.6	48.0	48.8	47.3
9/3/2015	10:52	---	---	---	51.3	51.8	50.6	48.1	48.4	47.6	55.5	55.9	54.9
9/3/2015	10:54	---	---	---	67.9	68.3	67.5	64.4	64.9	63.8	59.0	59.4	58.7
9/3/2015	10:56	---	---	---	51.2	51.7	50.9	50.8	51.7	50.6	57.6	57.9	57.3
9/3/2015	10:58	---	---	---	53.0	53.5	52.4	55.3	55.7	54.8	62.6	63.1	62.2
9/3/2015	11:00	---	---	---	52.0	52.5	51.6	52.0	52.5	51.7	58.8	59.2	58.7
9/3/2015	11:02	---	---	---	51.6	52.0	51.1	51.6	52.0	51.0	58.6	59.0	58.3
9/3/2015	11:04	---	---	---	52.6	53.2	52.0	50.5	51.1	50.0	60.1	60.6	59.6
9/3/2015	11:06	---	---	---	47.6	47.9	47.2	48.2	48.5	47.9	58.1	58.5	57.8
9/3/2015	11:08	---	---	---	49.5	49.9	49.2	47.4	47.7	47.2	57.1	57.3	56.9
9/3/2015	11:10	---	---	---	45.6	45.8	45.3	45.2	45.4	45.0	56.9	57.1	56.6
9/3/2015	11:12	---	---	---	63.3	62.9	61.1	57.5	58.0	55.9	57.6	57.9	57.3
9/3/2015	11:14	---	---	---	66.4	67.6	66.0	62.9	63.7	62.1	57.4	57.9	56.8
9/3/2015	11:16	---	---	---	51.4	51.5	51.3	53.6	53.7	53.5	58.1	58.3	57.9
9/3/2015	11:18	---	---	---	51.2	51.3	51.0	53.3	53.4	53.2	58.0	58.3	57.7
9/3/2015	11:20	---	---	---	51.9	52.4	51.6	53.3	53.4	53.1	59.6	60.2	59.0
9/3/2015	11:22	---	---	---	53.6	54.0	53.2	54.0	54.2	53.9	60.6	61.3	59.9
9/3/2015	11:24	---	---	---	53.7	54.0	53.4	54.3	54.5	54.1	60.1	60.8	59.5
9/3/2015	11:26	---	---	---	56.4	56.8	55.9	55.3	55.6	54.9	61.1	61.7	60.5
9/3/2015	11:28	---	---	---	55.7	56.3	55.2	56.1	56.4	55.6	60.8	61.4	60.1
9/3/2015	11:30	---	---	---	54.6	55.5	53.9	60.0	61.1	58.9	60.9	61.8	60.1
9/3/2015	11:32	---	---	---	52.0	52.3	51.7	53.0	53.2	52.9	59.5	60.2	58.8
9/3/2015	11:34	---	---	---	50.6	50.8	50.4	52.4	52.5	52.3	59.6	60.2	58.8
9/3/2015	11:36	---	---	---	50.8	51.0	50.6	52.6	52.7	52.5	59.2	60.0	58.7
9/3/2015	11:38	---	---	---	51.3	51.6	51.1	52.7	52.8	52.6	61.4	62.0	60.6
9/3/2015	11:40	---	---	---	54.7	55.6	53.8	54.8	55.6	54.1	62.5	63.4	61.4
9/3/2015	11:42	---	---	---	49.7	50.4	49.0	49.6	50.1	48.9	63.0	63.8	62.3

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/3/2015	11:44	---	---	---	52.7	53.8	51.7	50.1	50.9	49.4	64.4	65.3	63.5
9/3/2015	11:46	---	---	---	50.1	50.7	49.6	49.9	50.4	49.4	63.6	64.1	63.0
9/3/2015	11:48	---	---	---	51.1	51.8	50.3	51.2	51.6	50.5	62.1	62.6	61.6
9/3/2015	11:50	---	---	---	56.3	57.4	55.2	58.0	59.0	57.0	66.0	67.0	65.0
9/3/2015	11:52	---	---	---	55.3	56.2	54.4	56.3	57.2	55.3	64.4	65.2	63.5
9/3/2015	11:54	---	---	---	54.4	55.1	53.8	56.9	57.7	56.3	65.1	65.8	64.4
9/3/2015	11:56	---	---	---	52.7	53.3	52.0	54.6	55.4	53.8	64.9	65.6	64.1
9/3/2015	11:58	---	---	---	50.3	50.9	49.9	50.7	51.3	50.1	63.7	64.3	63.2
9/3/2015	12:00	---	---	---	51.3	51.7	50.9	52.4	53.0	51.9	63.7	64.2	63.2
9/3/2015	12:02	---	---	---	51.7	52.4	51.0	54.2	55.0	53.4	65.6	66.3	64.7
9/3/2015	12:04	---	---	---	50.2	51.1	49.3	49.1	49.7	48.4	65.0	65.8	64.0
9/3/2015	12:06	---	---	---	47.2	48.0	46.4	46.7	47.2	46.2	62.6	63.4	61.5
9/3/2015	12:08	---	---	---	49.0	49.5	48.4	46.8	47.1	46.5	58.7	59.4	58.0
9/3/2015	12:10	---	---	---	48.1	48.8	47.4	46.9	47.3	46.5	57.6	58.4	56.9
9/3/2015	12:12	---	---	---	48.0	48.8	47.3	46.0	46.3	45.7	58.6	59.4	57.8
9/3/2015	12:14	---	---	---	48.8	49.5	48.1	47.4	47.9	46.9	58.4	59.0	57.8
9/3/2015	12:16	---	---	---	50.8	51.6	49.9	49.4	50.0	48.7	57.5	58.3	56.7
9/3/2015	12:18	---	---	---	45.5	46.3	44.6	46.2	46.8	45.5	50.2	50.7	49.6
9/3/2015	12:20	---	---	---	46.9	47.8	45.9	46.3	47.1	45.3	55.8	56.7	54.7
9/3/2015	12:22	---	---	---	45.5	46.5	44.6	46.4	47.4	45.4	54.1	55.0	53.4
9/3/2015	12:24	---	---	---	43.7	44.0	43.4	45.7	46.0	45.4	52.9	53.2	52.6
9/3/2015	12:26	---	---	---	49.4	50.0	48.8	49.9	50.4	49.3	54.4	54.7	54.1
9/3/2015	12:28	---	---	---	43.4	43.7	43.3	46.8	46.9	46.6	53.4	53.6	53.3
9/3/2015	12:30	---	---	---	43.3	43.5	43.1	46.1	46.2	45.9	52.2	52.4	52.1
9/3/2015	12:32	---	---	---	46.1	46.3	45.5	48.5	48.4	47.7	52.7	52.8	52.4
9/3/2015	12:34	---	---	---	64.8	65.3	64.3	61.0	61.5	60.6	53.6	53.9	53.4
9/3/2015	12:36	---	---	---	42.1	42.5	41.8	45.7	45.9	45.5	51.0	51.3	50.7
9/3/2015	12:38	---	---	---	59.3	60.5	57.7	68.2	69.5	66.6	54.0	54.7	53.0
9/3/2015	12:40	---	---	---	49.1	50.0	48.8	51.2	53.0	51.9	52.8	53.1	52.6
9/3/2015	12:42	---	---	---	48.8	49.0	48.7	51.7	51.8	51.5	53.7	53.9	53.4
9/3/2015	12:44	---	---	---	49.7	49.8	49.5	51.6	51.7	51.5	53.0	53.2	52.8
9/3/2015	12:46	---	---	---	50.5	50.7	50.3	52.8	53.0	52.6	55.4	55.7	55.0
9/3/2015	12:48	---	---	---	51.1	51.3	50.9	53.2	53.4	53.1	55.8	56.0	55.5
9/3/2015	12:50	---	---	---	53.1	53.5	52.8	55.2	55.5	54.8	57.3	57.7	56.9
9/3/2015	12:52	---	---	---	52.2	52.5	51.9	53.7	54.0	53.5	58.3	58.7	57.8
9/3/2015	12:54	---	---	---	51.7	52.0	51.3	53.0	53.2	52.8	59.1	59.6	58.5
9/3/2015	12:56	---	---	---	55.9	56.5	55.3	56.6	57.1	56.0	60.5	61.0	60.0
9/3/2015	12:58	---	---	---	55.5	56.1	54.8	54.5	55.2	53.8	61.0	61.5	60.4
9/3/2015	13:00	---	---	---	53.3	54.1	52.7	53.3	54.0	52.6	59.6	60.1	59.0
9/3/2015	13:02	---	---	---	51.6	52.2	51.1	52.7	53.3	52.0	57.8	58.4	57.3
9/3/2015	13:04	---	---	---	51.9	52.4	51.4	53.1	53.7	52.5	58.0	58.5	57.5
9/3/2015	13:06	---	---	---	53.6	54.2	53.0	52.8	53.4	52.1	60.0	60.6	59.4
9/3/2015	13:08	---	---	---	54.7	55.6	53.4	53.7	54.7	52.5	64.5	65.8	62.8
9/3/2015	13:10	---	---	---	52.7	53.5	52.2	53.1	53.8	52.5	61.0	62.0	60.3
9/3/2015	13:12	---	---	---	52.0	52.7	51.5	52.1	53.0	51.4	58.9	59.4	58.3
9/3/2015	13:14	---	---	---	52.6	53.1	52.1	51.7	52.2	51.2	59.5	60.1	58.8
9/3/2015	13:16	---	---	---	64.8	65.4	64.1	62.9	63.3	62.4	58.5	59.1	57.9
9/3/2015	13:18	---	---	---	45.6	46.0	45.3	46.1	46.5	45.8	45.0	45.4	44.8
9/3/2015	13:20	---	---	---	44.0	44.4	43.7	45.5	46.3	44.9	43.3	43.7	43.1
9/3/2015	13:22	---	---	---	46.1	46.4	45.7	46.2	46.8	45.6	46.1	46.4	45.7
9/3/2015	13:24	---	---	---	45.5	46.0	45.1	44.1	44.5	43.8	44.7	45.0	44.5
9/3/2015	13:26	---	---	---	44.5	44.9	44.2	45.1	45.9	44.2	45.1	45.3	44.7
9/3/2015	13:28	---	---	---	48.5	48.9	48.1	51.0	52.0	49.8	56.9	57.2	56.4
9/3/2015	13:30	---	---	---	56.5	57.2	55.7	54.4	54.9	53.8	63.5	64.3	62.8
9/3/2015	13:32	---	---	---	56.0	56.9	55.2	55.5	56.3	54.5	63.1	63.9	62.2
9/3/2015	13:34	---	---	---	56.4	57.3	55.1	57.9	59.0	56.8	63.8	64.3	63.1
9/3/2015	13:36	---	---	---	53.9	54.9	53.4	56.3	57.0	55.7	63.2	63.9	62.8
9/3/2015	13:38	---	---	---	54.2	54.8	53.5	56.9	57.5	56.3	63.5	64.1	62.9
9/3/2015	13:40	---	---	---	57.1	57.9	56.0	55.9	56.7	54.9	62.2	63.1	61.4
9/3/2015	13:42	---	---	---	56.3	56.9	55.7	54.9	55.5	54.4	62.1	62.6	61.6
9/3/2015	13:44	---	---	---	56.2	56.7	55.7	56.3	56.9	55.7	63.8	64.2	63.4
9/3/2015	13:46	---	---	---	55.4	55.9	54.9	56.7	57.2	56.2	64.1	64.6	63.7
9/3/2015	13:48	---	---	---	53.9	54.5	53.4	54.8	55.4	54.4	62.7	63.2	62.2
9/3/2015	13:50	---	---	---	48.0	48.4	47.7	48.5	48.8	48.1	52.7	53.2	52.3
9/3/2015	13:52	---	---	---	45.9	46.4	45.6	46.0	46.5	45.8	49.1	49.6	48.8
9/3/2015	13:54	---	---	---	43.8	44.2	43.4	43.6	43.9	43.2	44.1	44.4	43.7
9/3/2015	13:56	---	---	---	47.9	48.7	47.1	46.6	47.1	46.1	48.2	48.8	47.6

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/3/2015	13:58	---	---	---	44.6	45.2	44.2	46.3	47.1	45.6	44.2	44.7	43.9
9/3/2015	14:00	---	---	---	43.6	43.9	43.3	42.8	43.1	42.4	44.3	44.6	44.0
9/3/2015	14:02	---	---	---	44.4	44.7	44.1	43.0	43.4	42.6	44.4	44.7	44.1
9/3/2015	14:04	---	---	---	44.7	45.1	44.3	42.5	42.8	42.1	44.6	44.9	44.3
9/3/2015	14:06	---	---	---	45.0	45.3	44.6	43.5	43.9	43.1	44.4	44.6	44.1
9/3/2015	14:08	---	---	---	42.5	42.8	42.1	43.4	43.6	43.2	42.3	42.6	42.1
9/3/2015	14:10	---	---	---	43.8	44.1	43.4	43.9	44.1	43.7	43.4	43.6	43.1
9/3/2015	14:12	---	---	---	43.3	43.7	43.0	43.6	43.8	43.4	43.3	43.6	43.0
9/3/2015	14:14	---	---	---	44.6	44.9	44.2	44.6	45.1	44.0	45.0	45.3	44.6
9/3/2015	14:16	---	---	---	44.6	44.9	44.4	43.6	43.9	43.3	48.2	48.5	47.9
9/3/2015	14:18	---	---	---	42.9	43.2	42.7	42.1	42.7	41.5	43.1	43.4	42.8
9/3/2015	14:20	---	---	---	44.5	44.9	44.2	44.1	44.4	43.6	44.9	45.2	44.6
9/3/2015	14:22	---	---	---	45.6	46.2	45.1	45.3	46.4	44.5	45.5	45.9	45.1
9/3/2015	14:24	---	---	---	45.9	46.3	45.5	44.3	44.7	44.1	45.6	46.0	45.3
9/3/2015	14:26	---	---	---	41.5	41.9	41.2	40.5	41.1	40.1	42.3	42.7	42.0
9/3/2015	14:28	---	---	---	44.5	46.1	42.6	50.8	53.0	47.5	43.6	45.0	42.6
9/3/2015	14:30	---	---	---	41.9	42.2	41.5	43.7	44.0	43.4	42.4	42.7	42.2
9/3/2015	14:32	---	---	---	40.7	41.0	40.5	42.4	42.5	42.2	41.4	41.6	41.2
9/3/2015	14:34	---	---	---	41.8	42.1	41.5	42.8	43.0	42.6	42.0	42.3	41.8
9/3/2015	14:36	---	---	---	47.8	49.9	45.5	43.0	43.7	42.4	41.7	42.2	41.2
9/3/2015	14:38	---	---	---	44.0	44.3	43.8	44.5	44.7	44.3	45.1	45.4	44.7
9/3/2015	14:40	---	---	---	43.8	44.1	43.4	44.0	44.2	43.8	44.4	44.7	44.2
9/3/2015	14:42	---	---	---	40.9	41.1	40.6	42.4	42.6	42.3	41.8	42.0	41.5
9/3/2015	14:44	---	---	---	43.9	44.2	43.6	44.0	44.2	43.7	44.6	44.9	44.3
9/3/2015	14:46	---	---	---	43.1	43.4	42.8	43.8	44.0	43.5	43.7	44.0	43.3
9/3/2015	14:48	---	---	---	43.7	44.0	43.4	44.2	44.6	43.8	43.8	44.1	43.5
9/3/2015	14:50	---	---	---	45.4	45.7	45.1	45.3	45.5	45.0	45.7	45.9	45.3
9/3/2015	14:52	---	---	---	43.9	44.2	43.6	44.6	44.9	44.4	44.2	44.6	44.0
9/3/2015	14:54	---	---	---	41.5	41.7	41.2	43.7	43.9	43.4	42.4	42.7	42.2
9/3/2015	14:56	---	---	---	42.7	43.0	42.3	43.7	43.9	43.5	43.6	43.9	43.2
9/3/2015	14:58	---	---	---	43.0	43.3	42.7	43.6	43.7	43.4	43.1	43.4	42.9
9/3/2015	15:00	---	---	---	42.7	43.0	42.4	44.0	44.2	43.8	44.0	44.3	43.7
9/3/2015	15:02	---	---	---	43.0	43.3	42.7	44.5	44.8	44.2	44.1	44.5	43.7
9/3/2015	15:04	---	---	---	40.7	41.0	40.4	42.3	42.5	42.1	41.1	41.4	40.8
9/3/2015	15:06	---	---	---	43.6	44.0	43.3	42.1	42.4	41.8	43.0	43.3	42.8
9/3/2015	15:08	---	---	---	42.1	42.4	41.9	40.6	40.8	40.3	42.3	42.6	42.0
9/3/2015	15:10	---	---	---	42.4	42.7	42.1	41.7	42.1	41.3	42.2	42.4	41.9
9/3/2015	15:12	---	---	---	42.6	43.1	42.0	43.0	43.2	42.8	41.8	42.2	41.5
9/3/2015	15:14	---	---	---	41.5	41.9	41.3	42.1	42.3	42.0	41.6	41.8	41.4
9/3/2015	15:16	---	---	---	40.7	41.0	40.4	42.2	42.5	42.0	40.4	40.6	40.2
9/3/2015	15:18	---	---	---	42.8	43.1	42.5	41.5	41.8	41.2	43.2	43.5	42.9
9/3/2015	15:20	---	---	---	42.7	43.0	42.4	40.2	40.4	39.9	42.6	42.8	42.4
9/3/2015	15:22	51.6	54.0	48.7	43.3	43.8	42.8	42.1	42.6	41.5	42.9	43.2	42.6
9/3/2015	15:24	44.6	45.2	44.2	42.1	42.6	41.8	39.7	40.0	39.4	41.7	41.9	41.5
9/3/2015	15:26	42.3	43.0	41.4	41.5	41.8	41.1	39.7	40.0	39.4	41.8	42.0	41.5
9/3/2015	15:28	43.6	44.5	42.9	43.4	43.6	43.1	41.6	41.8	41.3	43.2	43.4	42.9
9/3/2015	15:30	42.8	43.5	42.1	42.2	42.5	41.9	40.8	41.1	40.2	42.2	42.5	42.0
9/3/2015	15:32	41.6	42.2	41.2	41.6	41.8	41.3	39.6	40.4	39.5	41.4	41.5	41.2
9/3/2015	15:34	43.7	44.8	42.6	42.8	43.0	42.5	40.8	41.0	40.5	42.5	42.7	42.3
9/3/2015	15:36	43.1	43.8	42.6	43.3	43.5	43.0	42.4	42.7	42.0	44.0	44.2	43.7
9/3/2015	15:38	42.0	42.5	41.6	44.0	44.3	43.5	41.9	42.2	41.6	43.7	44.0	43.5
9/3/2015	15:40	43.6	44.6	42.8	45.1	45.5	44.8	43.7	44.1	43.3	44.8	45.0	44.5
9/3/2015	15:42	43.0	43.6	42.2	43.8	44.2	43.5	42.8	43.1	42.3	43.7	44.0	43.4
9/3/2015	15:44	42.4	42.8	41.9	44.0	44.2	43.7	42.5	42.8	42.2	44.0	44.2	43.7
9/3/2015	15:46	44.9	45.4	44.4	45.8	46.1	45.6	44.3	44.6	44.1	45.5	45.8	45.3
9/3/2015	15:48	42.9	43.5	42.4	42.3	42.6	41.9	40.4	40.6	40.0	42.8	43.1	42.5
9/3/2015	15:50	44.5	44.9	44.1	49.1	50.0	48.0	43.7	44.1	43.4	44.6	44.8	44.4
9/3/2015	15:52	47.5	48.3	46.6	49.5	50.6	48.2	45.3	45.7	44.9	46.0	46.3	45.7
9/3/2015	15:54	44.4	44.9	43.9	43.7	44.0	43.4	41.7	42.0	41.5	43.5	43.7	43.2
9/3/2015	15:56	41.9	42.2	41.6	43.7	44.3	43.2	41.6	41.9	41.3	43.1	43.4	42.9
9/3/2015	15:58	45.5	45.9	45.1	44.1	44.4	43.8	42.7	43.0	42.3	43.8	44.0	43.5
9/3/2015	16:00	43.6	44.0	43.2	44.4	44.6	44.1	42.6	42.9	42.4	44.3	44.6	44.1
9/3/2015	16:02	43.4	43.9	43.1	43.8	44.1	43.6	42.4	42.7	42.2	43.5	43.7	43.2
9/3/2015	16:04	43.4	43.7	43.1	43.6	43.9	43.4	42.2	42.5	41.9	43.2	43.5	42.9
9/3/2015	16:06	43.9	44.3	43.6	43.6	43.8	43.4	42.0	42.3	41.8	43.9	44.2	43.6
9/3/2015	16:08	43.8	44.1	43.4	43.0	43.3	42.7	42.0	42.3	41.6	43.4	43.7	43.1
9/3/2015	16:10	47.5	48.4	46.5	44.0	44.3	43.7	42.3	42.5	42.0	44.0	44.2	43.8

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/3/2015	16:12	42.6	43.0	42.3	42.1	42.4	41.8	40.7	41.1	40.4	42.9	43.3	42.7
9/3/2015	16:14	41.3	41.8	40.8	41.6	42.5	40.7	39.1	39.3	38.8	41.4	41.7	41.2
9/3/2015	16:16	42.8	43.3	42.3	40.8	41.3	40.4	39.0	39.3	38.8	41.4	41.5	41.2
9/3/2015	16:18	42.1	42.5	41.6	43.2	43.5	42.7	41.4	41.7	41.0	43.3	43.5	43.1
9/3/2015	16:20	44.2	45.4	43.2	43.9	44.4	43.3	43.0	43.7	42.4	44.1	44.4	43.9
9/3/2015	16:22	42.2	42.8	41.6	43.2	43.6	42.8	41.4	41.7	41.1	42.5	42.8	42.3
9/3/2015	16:24	46.1	46.4	45.6	45.8	46.1	45.6	44.3	44.5	44.0	45.0	45.2	44.8
9/3/2015	16:26	43.9	44.5	43.4	43.2	43.4	43.0	42.7	43.0	42.3	43.4	43.6	43.2
9/3/2015	16:28	45.4	45.9	44.9	45.9	46.4	45.4	45.4	46.0	44.9	46.2	46.8	45.7
9/3/2015	16:30	49.1	49.6	48.6	44.5	44.8	44.2	44.0	44.5	43.6	45.4	45.8	45.0
9/4/2015	7:00	54.2	56.0	52.2	51.7	51.9	51.2	51.7	51.9	51.4	55.9	56.0	55.6
9/4/2015	7:02	51.9	53.8	49.8	47.3	47.8	47.2	47.7	48.5	47.5	51.4	52.2	51.3
9/4/2015	7:04	54.0	56.3	51.5	45.5	45.7	45.2	44.8	45.0	44.5	45.6	45.9	45.4
9/4/2015	7:06	56.6	58.5	54.1	46.6	46.8	46.3	46.1	46.4	45.8	48.7	49.0	48.3
9/4/2015	7:08	52.0	53.4	50.6	69.9	70.6	69.2	67.1	67.7	66.4	52.0	52.4	51.6
9/4/2015	7:10	50.1	51.5	48.9	47.7	48.3	47.2	45.2	45.5	45.0	46.3	46.5	46.1
9/4/2015	7:12	47.3	48.6	46.2	48.5	48.7	48.2	47.2	47.4	46.8	46.7	46.9	46.3
9/4/2015	7:14	49.1	50.1	48.0	46.4	46.8	46.2	45.6	45.9	45.4	45.6	45.9	45.4
9/4/2015	7:16	48.2	49.4	47.3	45.9	46.2	45.6	44.5	44.8	44.2	45.2	45.5	45.0
9/4/2015	7:18	46.1	47.2	45.2	50.6	50.8	50.1	51.1	51.4	50.5	55.8	55.9	55.3
9/4/2015	7:20	48.6	49.2	48.0	54.4	55.1	54.0	56.0	56.7	55.3	61.2	61.6	60.8
9/4/2015	7:22	49.5	50.4	48.5	54.8	55.6	54.1	54.9	55.6	54.2	62.6	63.3	61.8
9/4/2015	7:24	46.5	47.1	45.9	54.2	54.8	53.5	53.3	54.2	52.5	63.6	64.4	62.8
9/4/2015	7:26	47.2	48.5	45.6	53.4	54.0	52.8	55.3	56.0	54.5	65.3	66.0	64.6
9/4/2015	7:28	43.9	45.2	42.8	54.9	55.6	54.3	54.7	55.3	54.1	64.4	65.0	63.9
9/4/2015	7:30	47.4	47.9	46.9	52.7	53.4	51.9	51.9	52.5	51.2	63.1	63.8	62.4
9/4/2015	7:32	48.6	49.9	47.5	65.5	66.2	64.5	62.0	62.4	61.5	60.0	60.8	59.3
9/4/2015	7:34	44.6	45.4	43.7	52.4	53.6	52.0	49.7	50.6	49.3	59.3	60.0	58.6
9/4/2015	7:36	44.9	46.1	43.7	50.5	51.2	49.7	47.8	48.4	47.2	57.8	58.4	57.2
9/4/2015	7:38	45.4	46.6	44.0	51.9	53.0	50.9	49.6	50.5	48.9	58.9	59.8	58.0
9/4/2015	7:40	43.7	44.9	42.1	49.7	50.2	49.1	47.7	48.1	47.2	57.7	58.2	57.2
9/4/2015	7:42	41.4	42.0	40.7	46.9	47.3	46.6	45.9	46.3	45.5	56.0	56.4	55.6
9/4/2015	7:44	42.6	43.6	41.0	43.7	44.1	43.4	45.2	46.1	44.2	53.2	53.5	52.9
9/4/2015	7:46	42.8	43.8	41.4	49.1	49.6	48.6	46.7	47.3	46.1	57.9	58.5	57.3
9/4/2015	7:48	49.3	50.6	48.0	48.0	48.4	47.5	46.8	47.2	46.4	57.0	57.6	56.4
9/4/2015	7:50	43.5	44.5	42.4	48.3	48.5	47.9	47.4	47.6	47.0	59.0	59.2	58.6
9/4/2015	7:52	44.4	45.8	42.9	54.2	56.2	52.3	51.2	51.6	50.9	63.5	64.0	63.1
9/4/2015	7:54	42.6	43.3	41.8	---	---	---	49.6	50.0	49.1	62.3	62.9	61.8
9/4/2015	7:56	43.6	45.3	42.3	---	---	---	47.3	47.7	46.9	58.5	59.1	58.2
9/4/2015	7:58	42.3	43.1	40.6	---	---	---	42.4	42.9	41.9	51.8	52.7	51.1
9/4/2015	8:00	45.6	47.2	43.5	---	---	---	41.1	41.6	40.7	46.6	46.8	46.4
9/4/2015	8:02	43.1	43.6	42.6	---	---	---	45.4	46.5	44.4	51.4	52.1	50.6
9/4/2015	8:04	48.9	49.9	47.9	---	---	---	45.4	46.2	44.6	56.5	57.4	55.5
9/4/2015	8:06	49.3	51.1	47.2	---	---	---	47.2	48.1	46.3	57.1	57.8	56.1
9/4/2015	8:08	46.5	48.2	44.9	---	---	---	54.4	55.0	53.9	63.0	63.5	62.4
9/4/2015	8:10	47.9	49.5	46.4	55.1	56.3	54.1	55.7	56.8	54.4	64.0	64.4	63.6
9/4/2015	8:12	48.7	50.0	47.7	69.9	70.7	68.9	62.7	63.3	62.0	63.9	64.5	63.4
9/4/2015	8:14	46.4	47.6	44.8	53.4	54.2	52.8	54.8	55.8	54.0	63.3	63.7	63.0
9/4/2015	8:16	43.7	44.4	42.8	54.0	54.7	53.2	53.5	54.1	52.8	63.7	64.4	63.1
9/4/2015	8:18	40.1	40.5	39.6	51.8	52.3	51.4	52.7	53.1	52.3	61.0	61.5	60.6
9/4/2015	8:20	45.0	47.1	42.1	43.4	43.6	43.1	44.1	44.8	43.4	53.2	53.3	53.0
9/4/2015	8:22	47.2	48.9	45.5	53.2	53.7	52.5	54.9	55.5	54.3	63.1	63.7	62.5
9/4/2015	8:24	45.7	46.7	44.1	54.0	54.7	53.4	55.1	55.7	54.6	63.6	64.2	63.0
9/4/2015	8:26	43.4	45.0	42.6	51.8	52.0	51.5	55.7	56.1	55.2	61.6	61.9	61.3
9/4/2015	8:28	42.7	43.9	42.1	51.5	51.8	51.2	54.7	55.0	54.4	61.9	62.1	61.6
9/4/2015	8:30	44.5	45.3	43.5	50.7	51.0	50.5	55.0	55.3	54.8	62.2	62.5	62.0
9/4/2015	8:32	42.5	42.9	42.0	51.4	51.8	50.9	55.5	56.0	54.9	63.1	63.6	62.7
9/4/2015	8:34	42.5	43.3	41.7	51.3	51.8	50.8	57.1	58.2	56.1	64.1	64.7	63.5
9/4/2015	8:36	43.4	44.3	42.4	51.8	52.3	51.3	53.1	53.8	52.5	65.2	65.6	64.7
9/4/2015	8:38	39.5	40.0	39.0	49.0	49.5	48.5	---	---	---	64.0	64.6	63.5
9/4/2015	8:40	41.7	42.2	41.1	49.7	50.2	49.0	---	---	---	61.4	61.9	61.0
9/4/2015	8:42	43.7	44.7	42.9	49.3	49.7	48.8	---	---	---	61.7	62.2	61.2
9/4/2015	8:44	45.9	47.7	44.2	52.6	52.8	52.3	---	---	---	65.3	65.5	65.0
9/4/2015	8:46	43.7	44.5	42.7	54.5	54.7	54.3	---	---	---	67.1	67.4	66.9
9/4/2015	8:48	41.3	41.9	40.9	51.4	51.8	51.0	---	---	---	62.8	63.1	62.3
9/4/2015	8:50	43.7	44.5	43.0	52.5	53.1	51.8	---	---	---	62.5	63.1	61.9
9/4/2015	8:52	42.6	43.2	42.0	51.7	52.5	50.9	---	---	---	62.9	63.8	62.2

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/4/2015	8:54	40.0	40.6	39.5	48.0	48.8	47.2	---	---	---	58.1	59.1	57.4
9/4/2015	8:56	39.9	40.5	39.4	43.6	43.7	43.4	---	---	---	50.2	50.3	50.1
9/4/2015	8:58	40.4	40.8	40.1	44.0	44.3	43.8	54.6	57.1	52.3	50.5	50.7	50.3
9/4/2015	9:00	41.7	42.6	40.8	50.1	50.7	49.5	53.0	54.1	51.6	59.5	60.2	58.8
9/4/2015	9:02	42.7	43.5	42.1	52.0	52.8	51.3	51.2	51.9	50.5	60.0	60.6	59.3
9/4/2015	9:04	42.6	43.1	42.2	51.4	51.8	51.1	51.2	51.6	50.9	61.7	62.5	61.1
9/4/2015	9:06	40.2	40.4	39.9	52.8	53.1	52.4	52.3	52.7	51.8	48.7	49.6	48.1
9/4/2015	9:08	44.1	44.9	43.2	54.3	55.0	53.6	54.1	54.8	53.5	---	---	---
9/4/2015	9:10	52.1	53.0	51.3	53.6	54.0	53.3	54.7	55.0	54.4	---	---	---
9/4/2015	9:12	44.3	44.8	43.8	54.9	55.3	54.4	54.2	54.6	53.7	---	---	---
9/4/2015	9:14	46.2	46.6	45.9	53.9	54.4	53.5	53.6	54.2	53.2	---	---	---
9/4/2015	9:16	46.1	46.5	45.7	54.6	55.2	54.0	54.1	54.6	53.5	---	---	---
9/4/2015	9:18	46.1	46.8	45.5	53.2	54.0	52.5	54.7	55.6	54.2	---	---	---
9/4/2015	9:20	44.6	45.0	44.2	53.0	53.5	52.5	54.2	54.6	53.7	---	---	---
9/4/2015	9:22	44.7	45.2	44.1	53.6	54.3	53.1	54.5	55.1	54.0	---	---	---
9/4/2015	9:24	44.2	44.7	43.8	52.2	52.5	51.8	51.3	51.7	50.8	---	---	---
9/4/2015	9:26	46.8	47.7	45.8	52.9	53.8	52.0	49.9	50.8	49.1	---	---	---
9/4/2015	9:28	45.4	45.8	44.8	53.9	54.6	53.1	53.4	54.4	52.3	60.7	61.7	59.8
9/4/2015	9:30	51.9	52.6	50.9	53.0	53.6	52.4	53.3	53.8	52.7	62.3	63.2	61.2
9/4/2015	9:32	49.7	51.3	48.1	52.2	53.0	51.6	63.3	66.0	60.9	60.2	60.9	59.4
9/4/2015	9:34	44.6	45.2	43.8	52.2	52.7	51.6	51.3	53.6	51.7	60.5	61.1	59.8
9/4/2015	9:36	46.6	47.5	45.5	53.1	53.4	52.1	53.7	54.2	53.0	60.3	60.9	59.7
9/4/2015	9:38	46.5	47.3	46.0	54.1	55.1	53.5	53.5	54.3	52.9	60.6	61.3	60.1
9/4/2015	9:40	45.0	45.6	44.5	53.8	54.5	53.0	52.5	53.3	51.8	59.4	60.1	58.7
9/4/2015	9:42	43.6	44.0	43.1	53.3	53.8	52.8	51.8	52.2	51.3	59.0	59.4	58.6
9/4/2015	9:44	44.9	46.5	43.6	45.8	46.6	45.9	46.7	47.2	46.5	52.8	53.5	52.6
9/4/2015	9:46	45.0	46.0	43.8	43.4	44.5	42.4	41.9	42.3	41.5	44.4	44.6	44.1
9/4/2015	9:48	43.5	44.1	42.9	41.8	42.1	41.6	41.5	41.8	41.3	43.9	44.1	43.7
9/4/2015	9:50	44.0	45.1	42.7	43.2	43.4	42.9	43.7	44.0	43.4	46.6	46.9	46.4
9/4/2015	9:52	---	---	---	42.0	43.3	40.8	41.5	42.0	41.1	44.7	45.0	44.4
9/4/2015	9:54	---	---	---	38.7	39.4	38.0	37.2	37.5	36.9	41.0	41.2	40.7
9/4/2015	9:56	---	---	---	50.5	51.5	48.7	48.1	48.5	47.4	51.9	52.3	51.3
9/4/2015	9:58	---	---	---	54.9	56.0	53.9	52.8	53.3	52.2	58.8	59.3	58.2
9/4/2015	10:00	---	---	---	55.1	56.4	53.9	52.4	53.1	51.8	59.8	60.5	59.2
9/4/2015	10:02	---	---	---	54.1	54.7	53.3	52.8	53.4	52.2	60.3	60.9	59.5
9/4/2015	10:04	---	---	---	52.9	53.4	52.4	51.6	51.9	51.1	58.8	59.1	58.2
9/4/2015	10:06	---	---	---	51.0	51.5	50.5	50.3	51.0	49.9	56.6	57.2	56.2
9/4/2015	10:08	---	---	---	49.8	50.1	49.5	51.9	52.2	51.4	57.5	57.9	57.2
9/4/2015	10:10	---	---	---	51.7	52.2	51.2	50.4	50.8	50.1	58.0	58.3	57.6
9/4/2015	10:12	---	---	---	54.2	54.9	53.5	50.9	51.4	50.3	59.1	59.6	58.5
9/4/2015	10:14	---	---	---	57.1	57.8	56.2	57.0	57.8	56.1	62.2	62.8	61.5
9/4/2015	10:16	---	---	---	56.2	57.1	55.1	55.0	55.9	54.0	61.1	61.8	60.2
9/4/2015	10:18	---	---	---	47.5	47.9	47.2	46.6	47.0	46.2	55.3	55.8	54.8
9/4/2015	10:20	---	---	---	49.6	50.1	49.2	48.7	49.1	48.2	54.7	55.1	54.3
9/4/2015	10:22	---	---	---	47.8	48.2	47.4	44.8	45.0	44.5	55.0	55.2	54.6
9/4/2015	10:24	39.4	40.3	38.1	51.0	51.4	50.5	49.2	49.6	48.6	56.7	57.1	56.3
9/4/2015	10:26	55.0	57.6	52.6	50.4	50.9	49.8	47.8	48.4	47.4	58.0	58.4	57.4
9/4/2015	10:28	46.6	47.1	46.1	54.3	55.1	53.5	52.6	53.3	51.8	62.0	62.8	61.3
9/4/2015	10:30	43.5	43.8	43.2	49.6	50.0	49.1	47.7	48.1	47.3	59.3	59.8	58.7
9/4/2015	10:32	45.9	46.6	45.3	51.5	51.9	51.0	49.0	49.3	48.5	64.1	64.5	63.6
9/4/2015	10:34	53.4	54.1	52.5	53.3	53.8	52.8	52.2	52.6	51.9	63.7	64.1	63.3
9/4/2015	10:36	49.8	50.5	49.6	49.9	50.4	49.4	49.3	49.8	48.7	64.8	65.3	64.4
9/4/2015	10:38	40.1	40.4	39.7	54.4	55.6	53.4	55.2	56.5	54.4	64.6	64.9	64.3
9/4/2015	10:40	38.8	39.5	38.4	58.3	58.7	57.9	50.2	50.8	50.0	66.6	67.0	66.3
9/4/2015	10:42	45.8	46.8	44.6	48.4	48.8	47.8	47.9	48.3	47.4	67.6	68.1	66.8
9/4/2015	10:44	44.9	46.0	43.7	52.6	53.6	51.4	50.3	50.9	49.5	72.9	73.7	72.2
9/4/2015	10:46	43.1	44.0	42.2	54.4	55.1	53.8	53.0	54.0	52.1	74.7	75.1	74.2
9/4/2015	10:48	42.2	42.5	41.9	51.0	51.4	50.4	50.0	50.4	49.7	71.9	72.2	71.4
9/4/2015	10:50	41.7	42.1	41.4	49.3	49.9	48.9	49.7	50.2	49.3	69.6	70.4	69.1
9/4/2015	10:52	43.7	44.0	43.3	48.3	48.8	47.8	48.5	49.0	48.0	63.4	64.0	62.9
9/4/2015	10:54	47.2	48.6	46.0	51.2	51.6	50.6	50.0	50.3	49.5	60.0	60.3	59.5
9/4/2015	10:56	46.4	47.4	45.3	52.6	53.0	52.2	55.1	55.6	54.7	63.0	63.4	62.7
9/4/2015	10:58	46.1	47.0	45.2	52.4	53.1	51.7	54.0	54.7	53.3	61.7	62.5	61.0
9/4/2015	11:00	46.7	47.3	46.0	49.8	50.5	49.2	49.4	50.1	48.5	54.8	55.6	54.2
9/4/2015	11:02	42.8	43.3	42.2	49.1	49.7	48.4	46.8	47.6	45.9	52.2	53.2	51.2
9/4/2015	11:04	42.9	43.4	42.4	47.0	47.9	46.2	44.2	45.0	43.6	52.1	53.0	51.0
9/4/2015	11:06	43.6	44.1	43.1	50.3	51.0	49.6	47.6	48.3	46.9	56.6	57.3	55.7

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/4/2015	11:08	46.5	47.0	46.1	52.3	52.8	51.7	55.0	55.4	54.5	62.1	62.4	61.6
9/4/2015	11:10	46.4	46.7	46.1	55.2	55.5	54.8	57.1	57.4	56.8	66.2	66.5	65.9
9/4/2015	11:12	45.8	46.5	45.2	53.6	54.5	52.9	55.7	56.6	55.0	63.9	64.6	63.4
9/4/2015	11:14	46.5	47.0	46.0	53.1	53.9	52.4	55.3	56.0	54.6	62.5	63.1	61.9
9/4/2015	11:16	44.9	45.3	44.6	53.4	54.0	52.7	55.1	55.6	54.6	62.3	62.6	61.9
9/4/2015	11:18	44.7	45.7	43.7	54.0	54.5	53.4	55.0	55.5	54.6	62.7	63.2	62.2
9/4/2015	11:20	45.5	46.9	44.1	54.1	55.0	53.3	55.5	56.1	54.9	62.3	62.9	61.8
9/4/2015	11:22	47.0	47.5	46.4	57.7	58.5	56.9	58.7	59.4	57.9	64.9	65.5	64.3
9/4/2015	11:24	45.8	46.3	45.4	57.6	58.4	56.7	59.9	61.0	58.7	66.3	67.0	65.5
9/4/2015	11:26	48.2	48.8	47.6	59.1	59.9	58.3	60.9	61.8	60.0	67.2	68.1	66.4
9/4/2015	11:28	49.9	50.4	49.5	59.1	60.0	58.2	59.4	60.2	58.6	66.4	67.1	65.7
9/4/2015	11:30	46.7	47.2	46.2	54.6	54.9	54.3	55.8	56.1	55.5	63.1	63.4	62.8
9/4/2015	11:32	45.2	45.6	44.8	55.2	55.5	54.8	55.9	56.2	55.6	62.3	62.7	62.0
9/4/2015	11:34	45.4	45.9	45.0	54.8	55.2	54.3	56.8	57.3	56.4	63.0	63.4	62.6
9/4/2015	11:36	46.9	47.2	46.6	52.6	53.0	52.2	56.5	57.0	55.8	62.2	62.7	61.8
9/4/2015	11:38	47.4	48.2	46.2	52.5	52.7	52.0	56.1	56.5	55.6	62.5	62.8	62.2
9/4/2015	11:40	45.8	46.2	45.4	54.2	54.8	53.8	56.8	57.3	56.4	63.2	63.5	62.8
9/4/2015	11:42	46.4	46.9	45.9	54.0	54.3	53.6	54.6	55.0	54.2	62.8	63.1	62.5
9/4/2015	11:44	46.9	47.8	46.3	53.7	54.0	53.5	54.6	55.0	54.3	63.3	63.7	63.0
9/4/2015	11:46	46.0	46.8	45.2	56.9	57.9	55.8	56.7	57.1	56.2	63.8	64.1	63.4
9/4/2015	11:48	48.9	50.0	47.7	55.3	56.0	54.8	56.8	57.2	56.5	64.3	64.5	64.0
9/4/2015	11:50	44.2	44.5	43.9	54.3	54.9	53.7	56.4	56.8	56.0	64.3	64.7	64.0
9/4/2015	11:52	46.1	46.4	45.7	54.0	54.5	53.5	56.2	56.7	55.6	64.6	65.1	64.1
9/4/2015	11:54	49.2	49.9	48.4	54.0	54.6	53.5	57.0	57.5	56.5	65.7	66.3	65.2
9/4/2015	11:56	46.2	46.5	45.9	54.2	54.6	53.8	55.7	56.1	55.2	64.3	64.7	63.9
9/4/2015	11:58	46.6	46.9	46.3	54.3	54.7	53.9	55.2	55.6	54.7	63.4	63.7	63.1
9/4/2015	12:00	45.9	46.2	45.7	54.2	54.6	53.8	55.6	56.1	55.3	62.7	63.0	62.4
9/4/2015	12:02	43.3	43.5	43.0	47.7	48.3	47.0	48.8	49.2	48.2	56.9	57.4	56.1
9/4/2015	12:04	45.5	45.7	45.3	54.9	55.1	54.5	56.1	56.2	55.6	74.3	74.5	73.9
9/4/2015	12:06	46.5	46.8	46.1	58.5	58.8	58.2	63.2	63.5	62.8	78.1	79.0	77.2
9/4/2015	12:08	47.7	48.2	47.3	61.6	62.4	60.7	63.3	63.9	62.6	77.8	78.2	77.2
9/4/2015	12:10	45.4	45.6	45.2	63.6	63.9	63.2	68.0	68.2	67.5	73.5	74.1	73.2
9/4/2015	12:12	44.6	45.0	44.1	55.5	57.3	54.1	61.5	63.2	61.3	53.2	54.2	52.7
9/4/2015	12:14	48.2	48.4	47.5	50.0	50.8	49.2	54.1	54.8	53.1	58.8	59.7	57.8
9/4/2015	12:16	48.7	49.4	48.2	51.4	52.1	50.4	57.0	58.0	55.9	60.9	61.9	59.5
9/4/2015	12:18	45.7	46.2	45.2	50.4	51.4	49.8	55.0	55.9	54.1	59.7	60.7	58.7
9/4/2015	12:20	46.8	47.3	46.2	49.8	50.6	48.9	51.9	52.5	51.4	55.4	56.4	54.5
9/4/2015	12:22	43.8	43.9	43.3	42.9	43.2	42.8	47.4	47.6	47.2	47.0	47.2	46.9
9/4/2015	12:24	47.0	47.5	46.7	55.0	55.4	54.3	62.8	63.3	62.2	58.6	58.9	58.0
9/4/2015	12:26	44.2	44.5	43.8	58.6	59.4	58.0	62.3	63.0	61.7	74.1	74.4	73.7
9/4/2015	12:28	42.5	42.9	42.2	50.3	51.1	49.7	50.7	51.4	50.0	67.1	67.8	66.9
9/4/2015	12:30	47.8	48.2	47.3	53.5	54.3	52.7	51.4	52.3	50.5	61.2	62.0	60.2
9/4/2015	12:32	48.7	49.3	48.2	57.1	57.9	56.2	56.4	57.2	55.3	63.6	64.3	62.9
9/4/2015	12:34	48.3	48.8	47.7	55.0	55.7	54.3	56.9	57.7	56.1	64.5	65.4	63.6
9/4/2015	12:36	51.7	52.4	51.0	54.2	54.7	53.6	54.9	55.5	54.2	64.0	64.7	63.4
9/4/2015	12:38	45.5	45.9	45.0	53.6	54.3	52.8	53.9	54.8	52.8	63.4	64.1	62.4
9/4/2015	12:40	45.6	46.1	45.2	53.0	53.8	52.0	52.7	53.6	51.8	62.5	63.5	61.8
9/4/2015	12:42	45.8	46.4	45.3	53.6	54.7	52.9	52.7	53.8	51.8	61.3	62.0	60.6
9/4/2015	12:44	45.8	46.5	44.8	52.9	53.7	51.9	52.7	53.4	51.9	59.8	60.4	59.2
9/4/2015	12:46	46.9	47.1	46.6	53.7	54.2	53.2	55.4	56.0	54.9	61.4	61.8	61.0
9/4/2015	12:48	46.8	47.3	46.4	51.0	51.4	50.7	52.6	53.0	52.2	61.7	62.1	61.4
9/4/2015	12:50	47.2	47.7	46.6	52.4	52.8	51.9	54.4	54.8	53.9	61.3	61.7	60.8
9/4/2015	12:52	47.9	48.5	47.4	50.5	50.9	50.1	53.0	53.4	52.6	60.2	60.7	59.9
9/4/2015	12:54	44.7	45.0	44.4	49.8	50.2	49.5	52.0	52.3	51.5	61.0	61.4	60.6
9/4/2015	12:56	45.5	46.3	44.9	51.2	51.7	50.5	52.3	52.8	51.7	59.6	59.9	59.0
9/4/2015	12:58	45.9	46.2	45.5	51.7	52.1	51.3	54.4	54.8	54.0	61.9	62.3	61.5
9/4/2015	13:00	47.7	48.4	47.1	52.4	53.0	52.0	53.7	54.3	53.0	62.5	63.0	62.2
9/4/2015	13:02	48.0	48.4	47.6	55.4	55.9	54.9	56.1	56.7	55.6	62.8	63.2	62.4
9/4/2015	13:04	46.6	47.0	46.3	52.4	53.0	51.7	54.3	54.8	53.6	61.5	61.8	61.0
9/4/2015	13:06	46.4	46.7	46.1	53.5	54.1	53.0	54.4	55.6	53.5	62.1	62.6	61.6
9/4/2015	13:08	45.5	45.9	45.0	53.7	54.4	52.9	56.2	57.3	55.0	62.1	62.8	61.4
9/4/2015	13:10	48.8	49.6	48.2	56.0	57.0	55.0	58.9	60.3	57.8	63.3	64.2	62.3
9/4/2015	13:12	51.3	52.0	50.7	55.9	56.6	55.2	56.5	57.2	55.7	62.0	62.5	61.4
9/4/2015	13:14	49.6	50.1	49.1	55.0	55.9	54.1	57.0	57.9	55.8	63.4	64.2	62.4
9/4/2015	13:16	46.1	46.5	45.7	52.7	53.6	51.8	54.9	55.8	53.9	60.7	61.6	59.9
9/4/2015	13:18	42.9	43.2	42.6	50.5	50.9	50.0	49.2	49.6	48.7	58.8	59.2	58.3
9/4/2015	13:20	41.7	42.0	41.3	46.8	47.8	46.0	50.0	51.3	48.7	53.4	54.5	52.5

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/4/2015	13:22	50.9	51.7	49.8	46.8	47.2	46.1	45.9	46.1	44.8	48.0	48.6	47.3
9/4/2015	13:24	47.7	48.0	47.4	53.0	53.6	52.3	53.7	54.4	53.1	59.7	60.3	59.1
9/4/2015	13:26	47.6	48.0	47.2	54.6	55.0	54.0	55.1	55.4	54.5	61.5	62.0	61.1
9/4/2015	13:28	49.6	50.0	49.1	63.9	64.4	63.3	61.0	61.5	60.6	62.6	62.9	62.3
9/4/2015	13:30	46.7	47.0	46.5	53.1	53.5	52.8	55.5	55.8	55.1	63.4	63.6	63.1
9/4/2015	13:32	48.0	48.4	47.6	54.5	54.5	53.8	56.7	57.0	56.2	62.0	62.2	61.6
9/4/2015	13:34	49.4	50.0	48.9	65.9	66.8	64.9	58.3	58.9	57.8	62.1	62.9	61.3
9/4/2015	13:36	46.4	46.8	46.1	53.6	54.1	53.2	55.2	55.6	54.9	61.6	61.9	61.2
9/4/2015	13:38	47.3	47.6	46.8	54.2	54.5	53.8	55.3	55.7	54.9	62.6	63.0	62.3
9/4/2015	13:40	47.3	47.8	47.0	52.7	53.0	52.4	55.2	55.7	54.9	62.0	62.3	61.7
9/4/2015	13:42	44.9	45.2	44.7	50.9	51.5	50.4	53.5	54.1	53.0	59.6	60.1	59.2
9/4/2015	13:44	44.2	44.5	43.9	46.5	47.4	45.7	45.4	45.6	45.2	46.1	46.4	45.8
9/4/2015	13:46	42.2	42.5	42.0	42.4	42.7	42.1	42.9	43.0	42.7	47.2	47.6	46.7
9/4/2015	13:48	43.4	43.8	43.1	45.5	45.9	45.0	46.5	46.9	46.0	45.5	45.9	45.2
9/4/2015	13:50	50.0	51.1	49.1	45.3	45.8	44.9	46.0	46.4	45.5	45.7	46.1	45.3
9/4/2015	13:52	43.8	44.1	43.4	41.1	41.4	40.9	42.5	42.6	42.3	42.2	42.4	41.9
9/4/2015	13:54	43.0	43.4	42.7	41.3	41.6	41.0	42.2	42.4	42.0	42.2	42.3	41.9
9/4/2015	13:56	44.6	45.0	44.2	46.4	46.8	45.9	44.9	45.2	44.5	46.0	46.4	45.6
9/4/2015	13:58	46.9	47.2	46.6	45.1	45.5	44.8	42.9	43.4	42.7	44.8	45.2	44.6
9/4/2015	14:00	41.6	41.8	41.4	41.9	42.2	41.7	39.9	40.2	39.7	42.2	42.5	42.0
9/4/2015	14:02	47.4	48.2	46.6	42.5	42.9	42.0	44.3	44.7	43.8	44.2	44.5	43.9
9/4/2015	14:04	42.7	42.9	42.2	42.8	43.0	42.5	43.3	43.4	43.1	44.0	44.3	43.7
9/4/2015	14:06	46.8	47.1	46.5	42.5	42.8	42.3	42.9	43.1	42.8	43.6	44.0	43.4
9/4/2015	14:08	41.7	42.0	41.4	40.7	40.9	40.6	42.4	42.5	42.2	42.3	42.4	42.1
9/4/2015	14:10	43.9	44.3	43.4	43.1	43.4	42.8	44.9	45.2	44.6	46.9	47.2	46.5
9/4/2015	14:12	46.4	46.9	45.9	45.4	45.8	45.0	44.8	45.1	44.6	46.0	46.4	45.7
9/4/2015	14:14	45.1	45.4	44.8	43.8	44.0	43.6	43.4	43.6	43.2	44.5	44.7	44.2
9/4/2015	14:16	44.5	44.9	44.1	42.6	42.9	42.4	43.6	43.8	43.4	43.3	43.5	43.0
9/4/2015	14:18	44.8	45.3	44.4	45.5	45.9	45.1	46.0	46.5	45.5	46.8	47.0	46.5
9/4/2015	14:20	42.4	42.7	42.0	43.2	43.5	42.9	42.1	42.4	41.9	44.6	44.9	44.4
9/4/2015	14:22	46.5	47.0	45.9	43.8	44.2	43.5	44.2	44.6	43.8	46.3	46.7	46.0
9/4/2015	14:24	43.4	43.6	43.1	44.7	45.6	44.0	44.4	44.7	44.0	45.7	46.1	45.4
9/4/2015	14:26	43.7	44.3	43.0	49.2	51.1	47.0	43.7	44.3	43.1	40.2	40.5	39.9
9/4/2015	14:28	41.0	41.6	40.4	39.7	40.4	39.0	42.4	42.8	42.0	40.7	41.2	40.3
9/4/2015	14:30	39.7	40.0	39.3	41.1	42.3	39.2	41.3	41.5	41.0	39.1	39.2	38.8
9/4/2015	14:32	39.6	39.8	39.2	40.0	40.4	39.6	43.2	43.5	42.9	42.7	43.2	42.2
9/4/2015	14:34	42.2	42.9	41.6	39.9	40.1	39.7	41.9	42.1	41.8	40.9	41.1	40.7
9/4/2015	14:36	41.6	42.3	40.8	39.1	39.2	38.9	41.2	41.3	41.0	40.5	40.6	40.3
9/4/2015	14:38	43.1	43.3	42.7	42.2	42.4	41.9	40.5	40.8	40.3	42.8	43.0	42.6
9/4/2015	14:40	44.9	45.3	44.5	43.6	43.8	43.4	42.0	42.3	41.8	44.0	44.2	43.8
9/4/2015	14:42	42.7	43.1	42.4	43.1	43.4	42.8	42.1	42.4	41.9	43.2	43.4	42.9
9/4/2015	14:44	43.5	43.8	43.2	43.8	44.1	43.5	44.4	44.8	44.1	44.2	44.4	43.9
9/4/2015	14:46	43.6	44.3	43.0	41.9	42.3	41.6	42.9	43.3	42.6	42.4	42.8	42.1
9/4/2015	14:48	47.8	48.6	47.0	43.1	43.5	42.7	45.3	45.9	44.8	45.1	45.7	44.3
9/4/2015	14:50	43.7	44.1	43.3	42.4	42.7	42.2	43.2	43.4	43.1	43.4	43.7	43.1
9/4/2015	14:52	43.6	44.1	43.2	43.3	43.7	43.0	44.1	44.4	43.9	45.0	45.5	44.4
9/4/2015	14:54	43.0	43.8	42.3	40.6	40.8	40.3	38.3	38.5	38.1	41.4	41.6	41.1
9/4/2015	14:56	44.6	45.2	44.0	42.7	43.2	42.2	40.6	40.9	40.3	42.9	43.3	42.5
9/4/2015	14:58	43.3	43.8	42.7	40.8	41.0	40.6	41.4	41.6	41.1	42.6	42.7	42.4
9/4/2015	15:00	43.8	44.4	43.2	41.4	41.8	40.9	43.5	43.9	43.2	42.5	42.7	42.2
9/4/2015	15:02	47.9	48.5	47.1	47.0	47.3	46.6	47.4	47.8	47.0	48.0	48.6	47.4
9/4/2015	15:04	46.0	46.3	45.8	47.4	47.7	47.1	46.9	47.2	46.6	47.3	47.7	47.0
9/4/2015	15:06	44.4	44.8	44.0	45.4	45.8	45.1	45.4	45.7	45.2	45.9	46.2	45.6
9/4/2015	15:08	45.8	46.2	45.3	44.1	44.4	43.9	43.2	43.5	42.8	44.1	44.4	43.8
9/4/2015	15:10	46.3	46.8	45.9	44.0	44.4	43.7	42.0	42.3	41.7	43.7	43.9	43.5
9/4/2015	15:12	44.0	44.2	43.7	44.3	44.5	44.0	42.5	42.7	42.2	45.0	45.5	44.7
9/4/2015	15:14	43.0	43.4	42.6	42.3	42.5	42.1	40.6	40.9	40.3	42.7	43.0	42.6
9/4/2015	15:16	41.5	41.8	41.3	41.1	41.3	40.9	39.7	39.9	39.6	41.7	41.8	41.5
9/4/2015	15:18	45.3	45.9	44.7	42.8	43.2	42.4	42.5	43.0	42.0	43.8	44.1	43.5
9/4/2015	15:20	41.4	41.7	41.1	41.0	41.2	40.8	40.0	40.2	39.8	43.1	43.3	42.9
9/4/2015	15:22	43.6	44.0	43.2	41.9	42.2	41.7	40.6	40.9	40.3	43.1	43.3	42.8
9/4/2015	15:24	44.0	44.4	43.6	43.3	43.7	42.9	43.1	43.5	42.7	44.6	45.1	44.1
9/4/2015	15:26	43.1	43.4	42.7	41.6	41.8	41.3	40.7	40.9	40.4	42.5	42.7	42.2
9/4/2015	15:28	46.1	46.6	45.5	47.4	47.9	46.9	49.1	50.2	47.8	46.3	46.7	45.9
9/4/2015	15:30	43.8	44.1	43.6	44.9	45.2	44.6	44.6	45.3	44.0	45.6	45.9	45.3
9/4/2015	15:32	44.0	44.2	43.6	45.1	45.4	44.9	45.4	45.9	44.7	45.7	46.0	45.3
9/4/2015	15:34	45.3	45.7	45.1	45.0	45.3	44.8	47.1	48.1	46.3	45.7	46.0	45.4

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/4/2015	15:36	44.8	45.1	44.5	45.3	45.6	45.0	49.9	51.3	48.0	44.9	45.2	44.7
9/4/2015	15:38	43.2	43.6	42.7	42.3	42.6	42.1	45.0	45.8	44.3	42.7	42.9	42.4
9/4/2015	15:40	46.1	47.2	45.0	42.5	42.8	42.2	47.5	48.9	46.1	43.4	43.6	43.0
9/4/2015	15:42	42.6	43.0	42.2	41.6	42.4	40.7	---	---	---	42.2	42.5	42.1
9/4/2015	15:44	43.6	44.5	42.7	---	---	---	---	---	---	43.0	43.1	42.6
9/4/2015	15:46	43.4	43.8	43.0	---	---	---	---	---	---	45.0	45.9	44.3
9/4/2015	15:48	42.4	42.7	42.0	---	---	---	---	---	---	43.8	44.7	43.0
9/4/2015	15:50	42.5	42.9	42.2	---	---	---	---	---	---	43.1	43.4	42.8
9/4/2015	15:52	46.3	46.7	45.9	---	---	---	---	---	---	46.2	46.8	45.5
9/4/2015	15:54	44.6	45.0	44.2	---	---	---	---	---	---	43.2	43.5	42.9
9/4/2015	15:56	44.8	45.2	44.3	---	---	---	---	---	---	42.2	42.5	41.8
9/4/2015	15:58	43.2	43.7	42.8	---	---	---	---	---	---	38.0	39.2	37.1
9/4/2015	16:00	41.7	42.0	41.4	---	---	---	---	---	---	---	---	---
9/4/2015	16:02	44.3	44.6	43.9	---	---	---	---	---	---	---	---	---
9/4/2015	16:04	43.5	43.8	43.2	---	---	---	---	---	---	---	---	---
9/4/2015	16:06	43.6	43.9	43.3	---	---	---	---	---	---	---	---	---
9/4/2015	16:08	43.8	44.2	43.4	---	---	---	---	---	---	---	---	---
9/4/2015	16:10	44.0	44.2	43.7	---	---	---	---	---	---	---	---	---
9/4/2015	16:12	43.6	43.9	43.3	---	---	---	---	---	---	---	---	---
9/4/2015	16:14	44.1	44.4	43.8	---	---	---	---	---	---	---	---	---
9/4/2015	16:16	43.9	44.2	43.6	---	---	---	---	---	---	---	---	---
9/4/2015	16:18	45.3	45.7	44.9	---	---	---	---	---	---	---	---	---
9/4/2015	16:20	44.0	44.4	43.7	---	---	---	---	---	---	---	---	---
9/4/2015	16:22	49.6	49.9	49.3	---	---	---	---	---	---	---	---	---
9/4/2015	16:24	52.7	52.9	52.4	---	---	---	---	---	---	---	---	---
9/4/2015	16:26	54.1	54.5	53.8	---	---	---	---	---	---	---	---	---
9/4/2015	16:28	53.9	54.3	53.4	---	---	---	---	---	---	---	---	---
9/4/2015	16:30	48.0	48.5	47.5	---	---	---	---	---	---	---	---	---
9/5/2015	7:00	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:02	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:04	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:06	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:08	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:10	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:12	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:14	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:16	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:18	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:20	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:22	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:24	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:26	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:28	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:30	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:32	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:34	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:36	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:38	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:40	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:42	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:44	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:46	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:48	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:50	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:52	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:54	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:56	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	7:58	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:00	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:02	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:04	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:06	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:08	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:10	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:12	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:14	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:16	---	---	---	---	---	---	---	---	---	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/5/2015	8:18	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:20	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:22	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:24	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:26	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:28	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:30	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:32	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:34	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:36	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:38	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:40	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:42	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:44	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:46	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:48	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:50	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:52	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:54	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:56	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	8:58	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:00	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:02	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:04	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:06	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:08	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:10	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:12	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:14	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:16	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:18	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:20	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:22	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:24	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:26	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:28	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:30	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:32	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:34	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:36	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:38	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:40	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:42	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:44	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:46	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:48	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:50	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:52	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:54	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:56	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	9:58	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:00	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:02	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:04	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:06	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:08	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:10	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:12	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:14	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:16	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:18	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:20	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:22	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:24	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:26	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:28	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:30	---	---	---	---	---	---	---	---	---	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/5/2015	10:32	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:34	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:36	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:38	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:40	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:42	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:44	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:46	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:48	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:50	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:52	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:54	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:56	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	10:58	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:00	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:02	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:04	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:06	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:08	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:10	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:12	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:14	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:16	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:18	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:20	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:22	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:24	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:26	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:28	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:30	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:32	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:34	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:36	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:38	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:40	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:42	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:44	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:46	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:48	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:50	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:52	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:54	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:56	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	11:58	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	12:00	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	12:02	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	12:04	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	12:06	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	12:08	---	---	---	---	---	---	---	---	---	---	---	---
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9/5/2015	12:14	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	12:16	---	---	---	---	---	---	---	---	---	---	---	---
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9/5/2015	12:22	---	---	---	---	---	---	---	---	---	---	---	---
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9/5/2015	12:26	---	---	---	---	---	---	---	---	---	---	---	---
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9/5/2015	12:30	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	12:32	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	12:34	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	12:36	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	12:38	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	12:40	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	12:42	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	12:44	---	---	---	---	---	---	---	---	---	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/5/2015	12:46	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	12:48	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	12:50	---	---	---	---	---	---	---	---	---	---	---	---
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9/5/2015	13:48	---	---	---	---	---	---	---	---	---	---	---	---
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9/5/2015	13:52	---	---	---	---	---	---	---	---	---	---	---	---
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9/5/2015	14:58	---	---	---	---	---	---	---	---	---	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/5/2015	15:00	---	---	---	---	---	---	---	---	---	---	---	---
9/5/2015	15:02	---	---	---	---	---	---	---	---	---	---	---	---
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9/7/2015	7:00	---	---	---	---	---	---	---	---	---	---	---	---
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		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/7/2015	7:42	---	---	---	---	---	---	---	---	---	---	---	---
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9/7/2015	9:46	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	9:48	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	9:50	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	9:52	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	9:54	---	---	---	---	---	---	---	---	---	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/7/2015	9:56	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	9:58	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	10:00	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	10:02	---	---	---	---	---	---	---	---	---	---	---	---
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9/7/2015	10:06	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	10:08	---	---	---	---	---	---	---	---	---	---	---	---
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9/7/2015	10:14	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	10:16	---	---	---	---	---	---	---	---	---	---	---	---
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9/7/2015	10:22	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	10:24	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	10:26	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	10:28	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	10:30	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	10:32	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	10:34	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	10:36	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	10:38	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	10:40	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	10:42	---	---	---	---	---	---	---	---	---	---	---	---
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9/7/2015	10:56	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	10:58	---	---	---	---	---	---	---	---	---	---	---	---
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9/7/2015	11:02	---	---	---	---	---	---	---	---	---	---	---	---
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9/7/2015	11:06	---	---	---	---	---	---	---	---	---	---	---	---
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9/7/2015	11:14	---	---	---	---	---	---	---	---	---	---	---	---
9/7/2015	11:16	---	---	---	---	---	---	---	---	---	---	---	---
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9/7/2015	11:44	---	---	---	---	---	---	---	---	---	---	---	---
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9/7/2015	11:52	---	---	---	---	---	---	---	---	---	---	---	---
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9/7/2015	12:08	---	---	---	---	---	---	---	---	---	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/7/2015	12:10	---	---	---	---	---	---	---	---	---	---	---	---
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9/7/2015	14:22	---	---	---	---	---	---	---	---	---	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/7/2015	14:24	---	---	---	---	---	---	---	---	---	---	---	---
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9/7/2015	15:00	---	---	---	---	---	---	---	---	---	---	---	---
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9/7/2015	15:36	---	---	---	---	---	---	---	---	---	---	---	---
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9/7/2015	15:40	---	---	---	---	---	---	---	---	---	---	---	---
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		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/8/2015	7:06	---	---	---	---	---	---	---	---	---	---	---	---
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9/8/2015	7:34	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	7:36	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	7:38	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	7:40	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	7:42	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	7:44	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	7:46	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	7:48	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	7:50	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	7:52	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	7:54	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	7:56	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	7:58	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:00	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:02	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:04	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:06	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:08	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:10	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:12	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:14	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:16	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:18	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:20	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:22	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:24	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:26	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:28	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:30	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:32	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:34	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:36	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:38	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:40	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:42	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:44	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:46	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:48	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:50	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:52	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:54	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:56	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	8:58	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	9:00	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	9:02	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	9:04	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	9:06	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	9:08	---	---	---	---	---	---	---	---	---	---	---	---
9/8/2015	9:10	45.5	48.2	43.7	---	---	---	---	---	---	---	---	---
9/8/2015	9:12	48.9	51.1	46.2	---	---	---	---	---	---	---	---	---
9/8/2015	9:14	45.1	45.6	44.7	---	---	---	---	---	---	---	---	---
9/8/2015	9:16	44.2	44.6	43.8	---	---	---	---	---	---	---	---	---
9/8/2015	9:18	43.6	44.0	43.2	---	---	---	---	---	---	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/8/2015	9:20	43.2	43.6	42.8	---	---	---	---	---	---	---	---	---
9/8/2015	9:22	45.8	47.3	43.9	---	---	---	---	---	---	---	---	---
9/8/2015	9:24	45.7	47.1	44.5	---	---	---	---	---	---	---	---	---
9/8/2015	9:26	42.7	43.6	41.9	---	---	---	---	---	---	---	---	---
9/8/2015	9:28	44.5	46.0	42.9	---	---	---	---	---	---	---	---	---
9/8/2015	9:30	44.0	45.0	43.1	---	---	---	---	---	---	---	---	---
9/8/2015	9:32	53.6	55.0	51.1	---	---	---	---	---	---	---	---	---
9/8/2015	9:34	51.1	52.1	49.9	---	---	---	---	---	---	---	---	---
9/8/2015	9:36	51.7	53.3	49.8	---	---	---	---	---	---	---	---	---
9/8/2015	9:38	52.7	54.3	51.0	---	---	---	---	---	---	---	---	---
9/8/2015	9:40	47.1	48.4	45.5	---	---	---	---	---	---	---	---	---
9/8/2015	9:42	49.3	51.0	47.4	---	---	---	---	---	---	---	---	---
9/8/2015	9:44	48.0	49.5	46.6	---	---	---	---	---	---	---	---	---
9/8/2015	9:46	48.3	49.8	46.9	---	---	---	---	---	---	---	---	---
9/8/2015	9:48	46.2	47.2	45.2	---	---	---	---	---	---	---	---	---
9/8/2015	9:50	47.5	48.6	46.2	---	---	---	---	---	---	---	---	---
9/8/2015	9:52	49.5	50.4	48.6	---	---	---	---	---	---	---	---	---
9/8/2015	9:54	49.1	50.7	47.3	---	---	---	---	---	---	---	---	---
9/8/2015	9:56	41.6	42.1	41.1	---	---	---	---	---	---	---	---	---
9/8/2015	9:58	43.6	44.7	42.3	---	---	---	---	---	---	---	---	---
9/8/2015	10:00	48.2	48.6	47.7	---	---	---	---	---	---	---	---	---
9/8/2015	10:02	46.4	47.6	45.2	---	---	---	---	---	---	---	---	---
9/8/2015	10:04	46.4	47.6	45.0	---	---	---	---	---	---	---	---	---
9/8/2015	10:06	46.6	47.8	45.3	---	---	---	---	---	---	---	---	---
9/8/2015	10:08	45.1	46.1	44.2	---	---	---	---	---	---	---	---	---
9/8/2015	10:10	45.7	46.6	44.9	---	---	---	---	---	---	---	---	---
9/8/2015	10:12	44.9	45.5	44.4	---	---	---	---	---	---	---	---	---
9/8/2015	10:14	44.8	45.1	44.4	---	---	---	---	---	---	---	---	---
9/8/2015	10:16	45.5	46.3	44.7	---	---	---	---	---	---	---	---	---
9/8/2015	10:18	49.2	51.1	46.9	48.0	49.1	46.3	---	---	---	---	---	---
9/8/2015	10:20	43.8	44.9	42.7	51.7	52.0	51.2	53.5	54.0	52.9	---	---	---
9/8/2015	10:22	48.6	50.0	47.2	51.3	51.7	51.0	54.9	55.3	54.5	---	---	---
9/8/2015	10:24	45.1	46.2	44.0	49.1	49.4	48.9	52.8	53.1	52.4	---	---	---
9/8/2015	10:26	43.4	44.3	42.4	52.6	53.0	52.1	53.1	53.4	52.8	---	---	---
9/8/2015	10:28	42.3	43.0	41.8	51.6	52.2	51.2	51.7	52.3	51.3	---	---	---
9/8/2015	10:30	42.8	43.7	41.9	52.0	52.1	51.6	54.6	54.9	54.2	---	---	---
9/8/2015	10:32	43.5	44.1	42.9	52.9	53.1	52.7	55.1	55.5	54.8	---	---	---
9/8/2015	10:34	45.4	46.3	44.5	53.0	53.4	52.8	55.5	55.8	55.1	---	---	---
9/8/2015	10:36	48.7	50.1	47.4	52.8	53.3	52.4	54.7	55.3	54.3	---	---	---
9/8/2015	10:38	46.8	48.0	44.9	52.4	52.7	52.0	56.0	56.5	55.6	---	---	---
9/8/2015	10:40	45.3	45.7	45.0	51.7	52.0	51.3	54.2	54.5	53.8	---	---	---
9/8/2015	10:42	44.0	44.5	43.6	52.3	52.6	52.1	56.1	56.5	55.8	---	---	---
9/8/2015	10:44	45.5	46.2	44.8	54.6	55.1	54.1	57.1	57.6	56.7	---	---	---
9/8/2015	10:46	47.1	47.5	46.7	55.6	55.9	55.3	56.5	56.8	56.2	---	---	---
9/8/2015	10:48	46.3	46.6	46.1	54.8	55.2	54.4	58.2	58.6	57.7	60.4	61.3	60.4
9/8/2015	10:50	47.8	48.2	47.5	55.5	55.7	54.9	58.6	58.9	58.2	68.8	70.2	67.4
9/8/2015	10:52	47.0	48.0	46.1	55.4	56.0	54.9	58.3	58.8	57.7	66.7	67.1	66.2
9/8/2015	10:54	52.4	53.9	50.6	54.5	54.9	54.1	57.1	57.5	56.6	64.9	65.3	64.6
9/8/2015	10:56	47.1	47.6	46.6	54.5	55.3	53.7	65.5	67.8	61.9	69.2	70.2	68.1
9/8/2015	10:58	50.0	51.4	48.3	55.7	56.9	54.5	57.1	58.2	55.7	63.1	63.9	62.0
9/8/2015	11:00	50.4	51.0	49.4	57.0	58.1	55.4	56.0	57.0	54.7	62.4	63.4	61.6
9/8/2015	11:02	49.6	50.3	49.3	56.0	56.7	55.3	56.3	57.2	55.6	61.4	61.9	60.8
9/8/2015	11:04	49.4	50.3	48.5	54.1	54.7	53.5	54.3	55.0	53.7	59.1	59.7	58.6
9/8/2015	11:06	48.5	49.2	47.9	51.7	52.2	51.2	53.0	53.4	52.4	58.9	59.4	58.5
9/8/2015	11:08	47.0	47.8	46.3	51.9	52.4	51.4	49.9	50.3	49.3	55.4	55.9	54.8
9/8/2015	11:10	47.6	48.1	47.1	49.5	50.1	49.2	49.5	50.0	49.1	47.3	47.8	46.8
9/8/2015	11:12	45.5	45.8	45.1	47.1	47.4	46.6	48.1	48.4	47.5	48.9	49.4	48.4
9/8/2015	11:14	44.5	44.9	44.1	48.2	48.7	47.7	47.9	48.6	47.6	50.9	51.4	50.4
9/8/2015	11:16	45.6	45.8	45.3	49.8	50.3	49.3	49.0	49.5	48.4	53.0	53.5	52.4
9/8/2015	11:18	46.7	46.9	46.4	52.2	52.6	51.6	51.7	52.2	51.0	55.4	55.9	54.8
9/8/2015	11:20	47.4	47.8	47.0	51.3	51.8	50.8	51.3	51.9	50.6	55.9	56.6	55.1
9/8/2015	11:22	47.4	47.8	47.0	53.5	54.2	52.7	52.4	53.1	51.7	56.9	57.5	56.1
9/8/2015	11:24	46.9	47.2	46.5	52.0	52.6	51.5	52.1	52.8	51.5	57.1	57.5	56.6
9/8/2015	11:26	47.9	48.5	47.2	51.4	51.9	50.9	52.7	53.3	51.9	54.8	55.4	54.3
9/8/2015	11:28	46.6	47.4	45.8	50.8	51.4	50.3	50.3	50.9	49.8	55.2	55.4	54.3
9/8/2015	11:30	46.9	47.4	46.2	51.9	52.3	51.3	53.1	53.6	52.6	61.0	61.6	60.4
9/8/2015	11:32	46.7	47.5	46.0	55.4	56.9	53.9	53.9	54.7	53.2	60.8	61.6	60.0

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/8/2015	11:34	46.2	46.5	45.8	51.1	51.9	50.4	53.2	53.9	52.4	62.5	63.1	61.8
9/8/2015	11:36	47.9	48.3	47.5	51.8	52.3	51.2	54.6	55.2	54.0	60.9	61.2	60.5
9/8/2015	11:38	48.1	49.0	47.3	51.4	51.8	51.0	53.8	54.2	53.3	61.7	62.1	61.2
9/8/2015	11:40	46.3	47.1	45.5	51.5	52.1	50.7	58.3	59.9	56.5	61.6	61.9	61.3
9/8/2015	11:42	46.3	47.2	45.4	51.3	51.7	51.0	53.6	53.9	53.2	60.5	60.9	60.2
9/8/2015	11:44	45.6	46.4	44.8	49.1	49.6	48.7	51.4	51.9	51.0	59.4	59.9	58.8
9/8/2015	11:46	44.9	45.6	44.5	48.8	49.3	48.3	50.6	51.1	50.2	62.0	62.5	61.4
9/8/2015	11:48	44.9	45.4	44.4	51.5	52.5	50.6	53.4	54.3	52.5	62.6	63.2	62.0
9/8/2015	11:50	47.2	47.8	46.5	49.9	50.4	49.4	53.3	54.0	52.6	51.3	51.9	51.1
9/8/2015	11:52	45.9	47.1	44.7	44.8	45.0	44.4	45.3	45.5	45.1	58.4	58.8	58.0
9/8/2015	11:54	47.0	47.8	46.2	50.3	50.6	49.8	53.0	53.4	52.6	59.5	59.8	59.2
9/8/2015	11:56	46.4	46.7	46.1	49.0	49.4	48.7	51.2	51.7	50.8	59.8	59.9	59.3
9/8/2015	11:58	46.2	46.9	45.6	53.3	53.5	52.9	54.7	55.0	54.3	64.1	64.4	63.8
9/8/2015	12:00	44.2	44.5	43.9	53.7	54.0	53.3	55.1	55.5	54.7	60.5	60.8	60.2
9/8/2015	12:02	45.5	46.1	45.0	57.0	57.9	56.0	56.7	57.4	56.0	62.5	62.9	62.2
9/8/2015	12:04	45.9	46.3	45.5	53.9	54.2	53.6	55.7	56.0	55.4	63.3	63.6	62.9
9/8/2015	12:06	46.9	47.7	46.1	53.3	53.7	53.0	55.8	56.1	55.4	64.0	64.3	63.7
9/8/2015	12:08	43.8	44.1	43.4	56.2	56.7	55.7	58.5	58.9	58.0	67.6	67.9	67.0
9/8/2015	12:10	47.3	48.0	46.7	61.0	61.9	60.2	64.5	65.4	63.6	72.0	72.5	71.5
9/8/2015	12:12	44.5	45.1	44.1	58.4	59.4	57.2	57.8	58.7	57.2	71.1	71.6	70.6
9/8/2015	12:14	48.5	49.2	47.8	51.4	51.9	50.8	55.2	55.8	54.6	62.5	63.1	61.9
9/8/2015	12:16	44.6	44.9	44.3	51.7	52.0	51.4	53.9	54.2	53.5	61.9	62.2	61.5
9/8/2015	12:18	48.0	49.1	46.8	51.3	51.7	50.9	53.0	53.3	52.6	60.8	61.1	60.3
9/8/2015	12:20	45.0	45.8	44.4	50.0	50.3	49.6	51.1	51.6	50.7	57.7	58.1	57.4
9/8/2015	12:22	43.7	44.1	43.4	52.0	52.4	51.6	51.6	52.0	51.3	56.3	56.7	55.9
9/8/2015	12:24	42.4	42.8	42.1	54.6	55.6	53.4	54.7	55.8	53.7	57.6	58.1	57.1
9/8/2015	12:26	44.4	44.8	44.1	51.5	51.8	51.2	50.6	51.0	50.3	56.5	56.9	56.2
9/8/2015	12:28	43.4	43.9	43.0	51.2	51.5	50.9	50.4	50.7	50.1	56.5	56.9	56.1
9/8/2015	12:30	54.7	55.5	53.8	54.6	55.0	54.2	53.5	53.9	53.2	57.8	58.2	57.4
9/8/2015	12:32	42.8	43.2	42.5	51.8	52.1	51.5	51.7	52.0	51.4	57.6	58.1	57.1
9/8/2015	12:34	43.3	43.6	43.0	51.3	51.5	50.9	51.6	51.9	51.3	56.9	57.3	56.5
9/8/2015	12:36	44.8	45.2	44.4	53.8	54.0	53.4	53.2	53.4	52.9	59.0	59.3	58.4
9/8/2015	12:38	48.1	48.7	47.5	54.5	54.9	54.1	56.6	57.9	55.3	59.2	59.7	58.9
9/8/2015	12:40	48.3	49.7	47.1	54.3	54.5	54.0	55.0	55.3	54.7	60.3	60.5	59.9
9/8/2015	12:42	42.0	42.4	41.7	50.5	50.9	50.1	51.3	51.6	50.9	59.6	60.0	59.2
9/8/2015	12:44	44.5	44.8	44.2	58.1	58.6	57.5	59.9	60.2	59.5	69.6	69.8	69.2
9/8/2015	12:46	43.1	43.4	42.7	53.1	53.4	52.7	55.7	56.1	55.3	64.3	64.7	64.0
9/8/2015	12:48	44.4	44.7	44.1	55.2	55.6	54.9	58.1	58.5	57.6	66.6	67.0	66.3
9/8/2015	12:50	44.3	44.7	43.9	55.8	56.1	55.5	58.9	59.3	58.5	67.7	68.0	67.4
9/8/2015	12:52	45.9	46.2	45.4	56.1	56.4	55.9	59.5	59.8	59.3	68.4	68.6	68.1
9/8/2015	12:54	43.2	43.4	43.1	55.7	56.0	55.4	58.9	59.2	58.5	68.7	69.1	68.3
9/8/2015	12:56	42.9	43.2	42.7	56.4	56.7	56.1	58.7	59.0	58.3	68.2	68.5	67.8
9/8/2015	12:58	42.8	43.0	42.6	55.6	55.8	55.2	58.4	58.6	58.1	68.2	68.4	67.8
9/8/2015	13:00	41.7	42.2	41.2	48.2	48.7	48.0	51.2	51.7	51.1	62.3	62.9	62.1
9/8/2015	13:02	42.1	42.5	41.7	50.2	50.5	49.8	52.6	53.0	52.2	62.2	62.6	61.7
9/8/2015	13:04	45.8	46.1	45.4	53.2	53.4	52.8	54.7	55.0	54.3	67.6	67.8	67.3
9/8/2015	13:06	45.6	46.2	45.0	59.6	60.4	58.9	59.7	60.5	59.0	77.2	77.8	76.4
9/8/2015	13:08	44.4	45.1	43.6	51.6	52.2	51.3	53.9	54.6	53.5	68.8	69.2	68.7
9/8/2015	13:10	44.2	44.9	43.1	46.5	46.8	46.0	47.2	47.6	46.7	49.5	49.9	49.2
9/8/2015	13:12	44.8	47.0	43.0	41.6	42.7	41.6	44.0	45.1	43.4	45.0	45.6	44.5
9/8/2015	13:14	49.8	51.7	47.6	38.2	38.4	38.1	40.3	40.4	40.1	40.3	40.7	39.8
9/8/2015	13:16	38.7	39.7	37.5	39.2	39.4	39.0	41.1	41.2	40.9	43.7	44.5	42.8
9/8/2015	13:18	---	---	---	43.3	43.5	43.1	43.6	43.9	43.4	48.9	49.1	48.6
9/8/2015	13:20	---	---	---	47.5	47.9	47.0	48.9	49.2	48.5	56.8	57.6	55.8
9/8/2015	13:22	---	---	---	48.5	48.8	48.2	50.3	50.7	50.1	53.0	53.3	52.8
9/8/2015	13:24	---	---	---	42.7	43.1	42.4	44.4	44.7	44.0	44.7	45.1	44.3
9/8/2015	13:26	---	---	---	37.7	38.0	37.5	39.8	40.0	39.7	38.7	39.0	38.4
9/8/2015	13:28	---	---	---	38.5	38.8	38.3	40.7	40.9	40.6	39.2	39.3	39.0
9/8/2015	13:30	---	---	---	39.4	39.6	39.2	40.9	41.1	40.8	40.0	40.3	39.9
9/8/2015	13:32	---	---	---	39.1	39.3	38.9	40.6	40.7	40.4	39.6	39.8	39.4
9/8/2015	13:34	---	---	---	39.0	39.2	38.8	40.7	40.9	40.6	39.9	40.2	39.6
9/8/2015	13:36	---	---	---	39.0	39.6	38.6	40.5	40.7	40.4	40.0	40.3	39.7
9/8/2015	13:38	---	---	---	37.9	38.1	37.8	40.1	40.2	40.0	38.6	38.7	38.4
9/8/2015	13:40	---	---	---	40.0	40.5	39.5	41.1	41.2	41.0	40.0	40.2	39.8
9/8/2015	13:42	---	---	---	41.9	42.1	41.5	43.7	44.0	43.3	43.3	43.7	42.8
9/8/2015	13:44	---	---	---	41.9	42.2	41.6	43.4	43.7	43.1	43.6	44.0	43.2
9/8/2015	13:46	---	---	---	41.8	42.1	41.6	42.0	42.3	41.8	41.4	41.7	41.0

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/8/2015	13:48	---	---	---	40.2	40.6	39.9	41.4	41.7	41.2	40.7	40.9	40.5
9/8/2015	13:50	---	---	---	39.7	39.9	39.5	41.1	41.2	40.9	40.6	40.9	40.3
9/8/2015	13:52	---	---	---	39.3	39.5	39.1	40.7	40.8	40.6	39.5	39.7	39.3
9/8/2015	13:54	---	---	---	40.4	40.7	40.2	41.4	41.6	41.2	41.1	41.4	40.9
9/8/2015	13:56	---	---	---	43.0	43.2	42.6	43.4	44.0	42.8	43.5	44.7	42.3
9/8/2015	13:58	---	---	---	42.1	42.4	42.0	41.2	41.4	41.0	40.7	41.0	40.4
9/8/2015	14:00	---	---	---	43.9	44.1	43.6	42.8	43.1	42.6	42.9	43.3	42.3
9/8/2015	14:02	---	---	---	43.8	44.1	43.6	43.5	43.8	43.2	44.3	44.7	44.0
9/8/2015	14:04	---	---	---	45.0	45.3	44.8	44.5	44.8	44.2	43.6	43.9	43.3
9/8/2015	14:06	---	---	---	44.3	44.6	44.0	43.9	44.3	43.5	43.5	44.0	43.1
9/8/2015	14:08	47.0	47.7	46.4	43.0	43.2	42.6	43.9	44.6	43.0	41.0	41.4	40.6
9/8/2015	14:10	45.7	46.1	45.1	42.8	43.2	42.6	43.9	44.3	43.4	41.7	42.2	41.3
9/8/2015	14:12	47.7	48.2	47.3	42.5	42.8	42.2	42.4	42.9	41.9	40.0	40.3	39.7
9/8/2015	14:14	44.7	45.3	44.2	41.4	41.8	41.0	41.5	41.7	41.2	40.4	40.6	40.1
9/8/2015	14:16	46.6	47.1	46.0	41.1	41.2	40.9	41.5	41.9	41.2	41.4	41.7	41.2
9/8/2015	14:18	49.4	50.8	47.7	43.9	44.3	43.3	39.6	40.0	39.2	40.3	40.6	40.1
9/8/2015	14:20	49.2	50.0	47.9	44.7	45.1	44.3	42.7	43.2	42.2	42.6	43.1	42.1
9/8/2015	14:22	44.9	45.8	44.1	44.1	44.6	43.7	44.4	45.0	43.8	46.0	46.7	45.1
9/8/2015	14:24	47.0	47.8	46.1	42.5	43.0	42.0	40.3	40.8	39.9	44.5	45.4	43.6
9/8/2015	14:26	50.1	50.5	49.8	47.3	47.6	46.9	43.6	44.3	43.0	41.9	42.4	41.3
9/8/2015	14:28	50.9	51.7	50.1	42.6	43.0	42.3	39.9	40.6	39.2	42.1	42.7	41.5
9/8/2015	14:30	46.4	47.1	45.6	41.1	41.3	40.8	38.2	39.0	37.7	40.7	41.1	40.2
9/8/2015	14:32	44.1	44.9	43.4	40.7	41.0	40.5	37.7	38.0	37.4	40.7	41.2	40.1
9/8/2015	14:34	---	---	---	39.7	40.0	39.4	38.6	39.5	37.8	40.6	41.2	39.8
9/8/2015	14:36	---	---	---	38.8	39.1	38.5	38.5	39.0	38.0	42.6	43.3	41.9
9/8/2015	14:38	---	---	---	38.1	38.3	37.8	36.7	37.2	36.1	39.6	40.5	38.8
9/8/2015	14:40	46.9	49.9	44.7	39.6	40.0	39.3	40.4	40.9	39.8	41.4	41.8	41.0
9/8/2015	14:42	55.0	58.0	52.7	42.4	43.1	41.9	43.7	44.5	42.8	41.5	42.0	41.0
9/8/2015	14:44	43.6	44.2	43.0	39.7	39.9	39.5	41.0	41.2	40.8	39.7	40.1	39.5
9/8/2015	14:46	41.4	41.7	41.1	39.7	39.9	39.4	41.7	41.9	41.4	40.1	40.4	39.8
9/8/2015	14:48	39.0	39.5	38.6	39.3	39.7	39.0	41.1	41.3	40.9	39.8	40.2	39.5
9/8/2015	14:50	39.0	39.5	38.7	41.6	41.8	41.2	41.9	42.2	41.5	41.4	41.8	41.0
9/8/2015	14:52	43.4	43.8	43.0	42.0	42.4	41.7	43.8	44.4	43.2	42.5	43.1	41.7
9/8/2015	14:54	40.5	40.9	40.0	42.0	42.2	41.7	42.2	42.5	41.9	41.8	42.2	41.4
9/8/2015	14:56	42.3	42.5	42.1	40.9	41.2	40.7	41.6	41.8	41.4	40.6	40.9	40.2
9/8/2015	14:58	39.1	39.3	38.8	40.4	40.6	40.2	42.2	42.4	41.9	41.8	42.0	41.5
9/8/2015	15:00	40.4	40.7	40.2	41.0	41.2	40.8	41.6	41.9	41.4	40.7	41.0	40.5
9/8/2015	15:02	41.0	41.3	40.6	40.1	40.3	39.7	38.9	39.1	38.8	39.8	40.0	39.4
9/8/2015	15:04	41.0	41.4	40.7	44.3	44.9	43.8	47.8	48.8	46.4	40.0	40.3	39.9
9/8/2015	15:06	39.2	39.4	38.7	39.3	39.6	38.7	51.0	52.6	49.2	40.6	40.5	39.4
9/8/2015	15:08	42.3	42.9	41.7	42.5	43.2	41.9	42.0	43.7	40.9	46.5	47.6	45.5
9/8/2015	15:10	42.6	43.0	42.1	39.9	40.2	39.7	---	---	---	40.7	41.0	40.4
9/8/2015	15:12	42.7	43.3	42.3	40.6	41.1	40.2	---	---	---	41.4	41.9	41.1
9/8/2015	15:14	38.7	38.9	38.4	40.3	40.5	40.0	---	---	---	40.5	40.6	40.2
9/8/2015	15:16	43.1	43.6	42.4	42.2	42.6	41.8	---	---	---	42.5	43.0	42.0
9/8/2015	15:18	43.6	44.5	42.9	42.5	42.8	42.2	---	---	---	45.4	45.7	45.0
9/8/2015	15:20	45.4	45.9	44.9	40.2	40.4	40.0	---	---	---	40.1	40.4	39.9
9/8/2015	15:22	35.9	36.1	35.7	38.2	38.5	38.0	---	---	---	39.0	39.3	38.8
9/8/2015	15:24	38.2	38.4	37.9	38.8	39.0	38.5	---	---	---	38.2	38.5	38.0
9/8/2015	15:26	41.4	41.8	41.0	41.0	41.5	40.6	---	---	---	41.9	42.5	41.4
9/8/2015	15:28	38.8	39.0	38.4	42.2	42.4	42.0	---	---	---	39.2	39.5	39.0
9/8/2015	15:30	47.8	48.0	47.4	43.2	43.4	43.0	---	---	---	41.4	41.8	40.9
9/8/2015	15:32	44.0	44.5	43.8	40.8	41.2	40.3	---	---	---	43.0	43.8	42.2
9/8/2015	15:34	36.9	37.1	36.7	38.7	38.9	38.4	---	---	---	37.3	37.5	37.2
9/8/2015	15:36	37.7	37.9	37.5	39.4	39.6	39.2	---	---	---	38.5	38.7	38.2
9/8/2015	15:38	37.0	37.2	36.8	45.0	46.2	43.2	---	---	---	41.7	42.2	41.0
9/8/2015	15:40	39.6	39.7	39.4	38.2	39.6	37.4	---	---	---	41.8	42.0	41.3
9/8/2015	15:42	41.0	41.3	40.5	---	---	---	---	---	---	42.9	43.4	42.7
9/8/2015	15:44	41.2	41.5	41.0	---	---	---	---	---	---	42.1	42.3	41.8
9/8/2015	15:46	41.3	41.5	41.0	---	---	---	---	---	---	41.8	42.3	41.4
9/8/2015	15:48	40.9	41.1	40.5	---	---	---	---	---	---	40.5	40.8	40.3
9/8/2015	15:50	40.0	40.5	39.7	---	---	---	---	---	---	39.3	39.5	39.2
9/8/2015	15:52	40.0	40.2	39.8	---	---	---	---	---	---	38.9	39.1	38.7
9/8/2015	15:54	39.3	39.6	39.0	---	---	---	---	---	---	39.6	39.8	39.4
9/8/2015	15:56	43.2	43.6	42.7	---	---	---	---	---	---	39.7	39.9	39.5
9/8/2015	15:58	43.1	43.4	42.8	---	---	---	---	---	---	38.8	38.9	38.5
9/8/2015	16:00	40.6	40.9	40.3	---	---	---	---	---	---	38.9	39.1	38.7

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/8/2015	16:02	45.5	46.2	44.8	---	---	---	---	---	---	39.1	39.4	38.9
9/8/2015	16:04	40.2	40.7	39.9	---	---	---	---	---	---	39.2	39.5	39.0
9/8/2015	16:06	38.6	38.9	38.2	---	---	---	---	---	---	38.8	39.0	38.5
9/8/2015	16:08	39.1	39.3	38.9	---	---	---	---	---	---	40.3	40.5	40.1
9/8/2015	16:10	38.7	39.1	38.5	---	---	---	---	---	---	41.0	41.8	40.2
9/8/2015	16:12	41.2	41.4	40.8	---	---	---	---	---	---	40.8	41.1	40.5
9/8/2015	16:14	43.2	43.7	42.8	---	---	---	---	---	---	41.5	41.9	41.2
9/8/2015	16:16	42.6	43.4	41.7	---	---	---	---	---	---	41.1	41.3	40.8
9/8/2015	16:18	42.4	42.8	42.1	---	---	---	---	---	---	39.6	40.0	39.3
9/8/2015	16:20	39.8	40.4	39.2	---	---	---	---	---	---	38.5	38.7	38.3
9/8/2015	16:22	37.9	38.2	37.6	---	---	---	---	---	---	38.5	38.7	38.3
9/8/2015	16:24	35.9	36.1	35.7	---	---	---	---	---	---	38.1	38.3	37.8
9/8/2015	16:26	41.3	41.7	40.9	---	---	---	---	---	---	41.5	41.8	41.2
9/8/2015	16:28	39.9	40.3	39.4	---	---	---	---	---	---	40.6	40.9	40.3
9/8/2015	16:30	41.6	42.0	41.2	---	---	---	---	---	---	41.2	41.5	40.9
9/9/2015	7:00	45.2	45.6	44.9	44.1	44.3	43.8	43.4	43.7	43.0	44.2	44.4	43.9
9/9/2015	7:02	44.3	44.6	44.0	48.2	48.5	47.7	48.0	48.1	47.5	49.8	50.1	48.6
9/9/2015	7:04	45.2	45.5	44.8	51.0	51.4	50.8	53.0	53.4	52.6	56.8	57.3	56.3
9/9/2015	7:06	48.9	49.3	48.5	47.0	47.3	46.8	46.7	47.1	46.5	51.0	51.4	50.7
9/9/2015	7:08	43.2	43.7	42.9	43.8	44.2	43.4	42.3	42.6	41.7	46.3	47.1	45.6
9/9/2015	7:10	40.1	40.4	39.9	42.9	43.2	42.7	42.2	42.6	42.0	47.4	47.8	47.0
9/9/2015	7:12	42.5	42.9	42.1	44.6	44.9	44.3	43.2	43.4	43.0	48.2	48.5	47.9
9/9/2015	7:14	48.5	48.9	48.1	45.9	46.3	45.6	46.4	46.9	45.9	50.5	51.1	49.7
9/9/2015	7:16	40.2	40.4	40.0	42.2	42.4	42.0	43.6	43.8	43.5	43.2	43.5	43.0
9/9/2015	7:18	39.1	39.3	38.8	43.3	43.8	42.7	43.9	44.6	42.9	43.3	43.8	42.9
9/9/2015	7:20	42.2	42.4	42.0	43.9	44.2	43.6	43.5	44.1	43.1	47.6	48.4	46.7
9/9/2015	7:22	47.6	48.3	46.9	50.1	50.9	49.0	46.4	47.1	45.7	46.5	47.0	45.9
9/9/2015	7:24	42.4	42.8	42.0	42.4	42.7	42.2	42.2	42.6	41.8	46.9	47.3	46.4
9/9/2015	7:26	48.8	49.6	47.9	42.4	42.8	42.0	41.8	42.2	41.4	49.8	50.5	48.9
9/9/2015	7:28	42.3	42.6	42.0	42.8	43.1	42.5	41.0	41.3	40.7	44.3	44.7	43.8
9/9/2015	7:30	44.3	44.7	44.0	50.4	50.9	49.8	51.6	52.2	50.9	56.2	56.8	55.5
9/9/2015	7:32	46.8	47.2	46.5	46.8	47.1	46.5	46.3	46.6	46.0	46.5	46.8	46.3
9/9/2015	7:34	42.9	43.2	42.7	42.9	43.1	42.6	41.6	41.8	41.2	44.4	44.6	43.8
9/9/2015	7:36	46.3	46.7	45.8	49.2	49.5	48.8	49.7	49.9	49.4	53.3	53.5	53.2
9/9/2015	7:38	42.8	43.2	42.5	44.7	44.9	44.5	46.1	46.4	45.8	51.3	51.6	51.2
9/9/2015	7:40	44.2	44.6	43.7	43.0	43.5	42.4	51.4	53.8	48.3	46.0	46.5	45.5
9/9/2015	7:42	45.2	46.0	44.0	41.2	41.7	40.9	42.4	42.7	42.2	44.6	45.1	44.3
9/9/2015	7:44	51.4	52.4	50.6	43.4	43.7	43.2	45.4	45.6	45.2	50.0	50.2	49.7
9/9/2015	7:46	41.7	42.0	41.4	43.7	44.1	43.5	45.8	46.1	45.4	55.9	56.8	55.0
9/9/2015	7:48	38.7	38.9	38.5	42.1	42.3	41.9	43.0	43.3	42.8	49.4	49.7	49.2
9/9/2015	7:50	43.2	43.6	42.7	36.2	36.6	35.8	36.9	37.3	36.5	39.1	39.7	38.5
9/9/2015	7:52	39.5	40.2	38.9	41.8	43.0	41.0	42.5	43.1	41.7	46.4	46.4	46.1
9/9/2015	7:54	40.4	40.8	39.9	47.7	48.3	47.0	51.4	52.2	50.6	56.8	57.4	56.0
9/9/2015	7:56	44.0	44.4	43.6	52.6	53.2	51.9	56.1	56.8	55.5	62.8	63.4	62.2
9/9/2015	7:58	47.4	49.1	45.5	51.4	52.0	50.9	54.3	54.8	53.8	60.8	61.3	60.4
9/9/2015	8:00	43.1	43.7	42.6	51.4	51.8	50.8	53.4	53.8	52.9	61.3	61.8	60.8
9/9/2015	8:02	48.1	48.8	47.3	53.8	54.8	52.6	55.5	56.2	54.8	61.8	62.6	61.1
9/9/2015	8:04	45.6	46.0	45.2	53.2	53.7	52.6	55.1	56.1	54.1	61.4	62.2	60.6
9/9/2015	8:06	44.2	44.7	43.7	52.4	53.1	51.8	54.8	55.6	54.1	62.0	62.8	61.3
9/9/2015	8:08	44.8	45.3	44.3	52.9	53.6	52.2	53.1	53.9	52.5	60.3	61.1	59.5
9/9/2015	8:10	44.3	44.9	43.8	51.5	52.1	50.9	52.2	53.1	51.2	59.1	60.0	58.2
9/9/2015	8:12	42.8	43.3	42.3	49.7	50.1	49.3	49.2	49.9	48.6	56.5	56.9	56.0
9/9/2015	8:14	43.7	44.2	43.1	52.0	52.5	51.4	50.5	51.2	49.9	58.2	58.9	57.5
9/9/2015	8:16	45.6	46.7	44.5	51.4	52.2	50.6	48.9	49.7	48.0	56.2	57.2	55.2
9/9/2015	8:18	44.8	45.8	43.2	49.8	50.6	48.9	51.0	52.8	49.0	54.2	54.9	53.3
9/9/2015	8:20	43.3	44.4	42.6	53.1	54.0	52.3	49.6	50.4	48.8	57.6	58.3	56.9
9/9/2015	8:22	40.6	41.3	40.0	49.3	49.9	48.7	47.6	48.1	46.9	57.3	57.8	56.6
9/9/2015	8:24	50.4	52.8	47.9	50.4	51.0	49.7	50.7	51.4	50.0	60.6	61.1	60.1
9/9/2015	8:26	45.3	46.6	43.8	52.4	53.0	51.7	53.6	54.3	52.9	62.1	62.6	61.5
9/9/2015	8:28	46.1	47.5	44.0	51.6	52.3	50.9	53.2	53.8	52.6	62.5	63.1	61.9
9/9/2015	8:30	53.3	54.9	51.3	50.6	51.8	49.2	51.5	52.1	51.0	62.8	63.6	62.0
9/9/2015	8:32	50.5	52.3	48.5	50.5	51.1	49.8	52.6	53.2	52.1	63.2	63.8	62.6
9/9/2015	8:34	51.7	53.6	49.4	48.7	49.1	48.3	48.3	48.6	47.9	60.4	60.8	60.0
9/9/2015	8:36	50.8	52.7	48.4	45.2	45.6	44.7	46.1	46.5	45.6	58.3	58.6	57.9
9/9/2015	8:38	54.4	56.3	52.3	48.2	48.5	47.7	50.0	50.3	49.7	62.3	62.7	61.8
9/9/2015	8:40	42.5	43.6	41.7	51.8	52.4	51.2	53.5	54.0	53.0	63.0	63.6	62.4
9/9/2015	8:42	42.7	43.8	41.9	51.4	51.9	51.0	54.3	54.8	53.8	63.4	63.9	62.9

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/9/2015	8:44	44.2	45.6	42.9	50.7	51.4	50.0	54.3	55.0	53.3	62.6	63.4	61.9
9/9/2015	8:46	48.7	51.2	46.9	50.5	51.0	50.0	53.0	53.7	52.4	62.6	63.2	61.9
9/9/2015	8:48	44.2	44.8	43.7	53.0	53.5	52.6	54.2	54.7	53.7	62.2	62.8	61.6
9/9/2015	8:50	45.5	47.2	43.4	52.5	53.2	51.7	54.4	55.4	53.5	63.1	64.1	62.1
9/9/2015	8:52	43.0	43.6	42.5	54.4	55.2	53.7	57.3	58.0	56.5	64.0	64.7	63.3
9/9/2015	8:54	43.6	44.5	42.4	52.7	53.3	52.0	55.2	56.0	54.5	62.7	63.5	62.0
9/9/2015	8:56	44.1	45.6	42.8	51.0	51.5	50.3	53.5	54.0	52.8	61.0	61.6	60.4
9/9/2015	8:58	47.7	49.6	46.0	51.8	52.8	50.9	55.4	56.6	54.4	64.9	65.9	63.8
9/9/2015	9:00	49.4	51.1	47.6	49.2	49.8	48.7	51.8	52.3	51.2	59.6	60.3	59.1
9/9/2015	9:02	43.0	43.6	42.5	50.1	50.8	49.3	51.8	52.6	51.0	60.8	61.6	59.9
9/9/2015	9:04	43.0	43.7	42.4	51.5	52.3	50.8	52.1	52.8	51.4	59.0	59.8	58.2
9/9/2015	9:06	45.2	46.1	44.1	51.1	51.8	50.3	51.4	52.2	50.7	58.5	59.2	57.7
9/9/2015	9:08	52.1	53.5	50.3	51.8	52.6	51.3	53.1	53.7	52.4	58.4	59.2	57.7
9/9/2015	9:10	46.2	47.9	44.1	50.1	50.6	49.5	50.8	51.2	50.3	55.4	55.8	54.9
9/9/2015	9:12	47.8	49.0	46.2	51.2	51.6	50.8	51.6	52.0	51.3	59.6	60.0	59.3
9/9/2015	9:14	49.2	50.7	47.2	49.2	49.6	48.8	51.8	52.2	51.3	59.6	60.1	59.2
9/9/2015	9:16	44.8	46.5	43.2	50.6	51.0	50.2	51.9	52.3	51.3	61.2	61.6	60.7
9/9/2015	9:18	47.3	49.5	45.2	49.8	50.0	49.5	52.2	52.5	51.9	60.5	60.8	60.3
9/9/2015	9:20	44.0	44.5	43.5	51.8	52.3	51.2	51.9	52.3	51.4	57.7	58.2	57.2
9/9/2015	9:22	46.7	47.7	45.7	45.5	45.9	45.2	46.7	47.0	46.4	45.2	45.8	44.7
9/9/2015	9:24	41.2	42.0	40.3	43.7	43.9	43.5	46.2	46.7	45.8	45.4	45.6	45.1
9/9/2015	9:26	53.5	54.0	53.0	52.9	53.3	52.4	51.9	52.4	51.5	52.1	52.6	51.7
9/9/2015	9:28	47.9	48.6	47.0	48.1	48.8	47.5	49.3	49.9	48.6	49.0	49.8	48.2
9/9/2015	9:30	43.8	44.8	42.6	43.0	43.5	42.5	42.7	43.0	42.4	42.0	42.5	41.5
9/9/2015	9:32	42.8	44.4	41.1	44.2	44.8	43.5	46.4	47.0	45.7	47.3	48.7	46.1
9/9/2015	9:34	50.5	51.2	49.7	53.4	54.0	52.8	55.8	56.6	55.0	60.5	61.0	60.0
9/9/2015	9:36	45.5	46.4	44.4	51.3	51.7	50.9	53.7	54.0	53.2	61.7	62.0	61.3
9/9/2015	9:38	49.3	50.7	47.7	52.3	52.9	51.8	55.0	55.6	54.4	62.9	63.5	62.4
9/9/2015	9:40	48.7	50.5	46.7	50.9	51.2	50.4	53.5	53.9	53.0	63.0	63.5	62.5
9/9/2015	9:42	49.0	51.0	46.5	50.9	51.3	50.5	52.8	53.2	52.4	60.6	61.1	60.3
9/9/2015	9:44	46.9	48.6	45.6	46.1	46.4	45.7	49.5	49.8	49.1	58.7	59.2	58.2
9/9/2015	9:46	48.9	50.1	47.4	50.2	50.5	49.8	52.3	52.5	51.9	61.8	62.1	61.3
9/9/2015	9:48	43.8	44.2	43.2	52.1	52.5	51.7	53.6	54.1	53.1	64.6	65.1	64.1
9/9/2015	9:50	48.2	49.3	47.0	53.0	53.5	52.6	54.1	54.6	53.6	65.1	65.6	64.7
9/9/2015	9:52	44.8	46.4	43.3	41.7	42.3	41.3	45.4	45.9	44.9	53.4	54.2	52.9
9/9/2015	9:54	45.0	46.4	43.2	38.2	38.4	37.9	41.6	42.3	41.1	40.3	40.5	40.2
9/9/2015	9:56	42.5	43.4	41.2	39.1	39.5	38.7	39.5	39.9	39.1	41.3	41.7	40.9
9/9/2015	9:58	40.1	40.9	39.3	38.7	39.0	38.4	39.2	39.7	38.8	41.3	41.6	40.9
9/9/2015	10:00	39.6	40.7	38.4	36.9	37.1	36.6	38.7	38.9	38.4	38.8	39.0	38.6
9/9/2015	10:02	44.2	45.4	42.9	41.1	41.6	40.6	43.4	43.6	43.3	39.8	40.0	39.4
9/9/2015	10:04	42.6	43.8	41.6	37.5	37.8	37.3	41.5	41.7	41.4	40.4	40.8	40.0
9/9/2015	10:06	46.1	46.6	45.6	39.6	39.9	39.1	42.6	42.8	42.3	43.4	43.5	43.0
9/9/2015	10:08	47.6	47.9	47.2	48.9	50.0	47.7	51.4	52.4	50.3	61.1	62.4	59.5
9/9/2015	10:10	50.7	51.8	49.4	47.5	48.0	47.0	50.5	51.2	49.8	54.2	54.9	53.6
9/9/2015	10:12	47.5	48.4	46.9	49.9	50.3	49.4	50.6	51.0	50.1	55.8	56.4	55.3
9/9/2015	10:14	44.0	44.4	43.6	52.3	52.8	51.7	53.0	53.6	52.4	58.7	59.4	58.1
9/9/2015	10:16	45.1	45.8	44.4	52.9	53.7	52.0	54.6	55.4	53.5	60.9	62.0	59.9
9/9/2015	10:18	43.8	44.5	43.0	51.0	51.8	50.1	53.7	54.8	52.6	62.1	63.2	60.7
9/9/2015	10:20	45.1	45.9	44.1	51.1	51.6	50.5	53.6	54.3	52.7	62.4	63.2	61.4
9/9/2015	10:22	44.7	45.7	43.8	51.0	52.2	50.0	52.6	53.7	51.6	59.2	60.8	57.8
9/9/2015	10:24	49.7	50.4	48.9	47.2	48.1	46.0	46.8	47.6	45.9	59.0	59.7	57.9
9/9/2015	10:26	42.4	42.9	41.9	50.8	51.9	49.7	51.3	52.4	50.4	64.2	65.3	63.0
9/9/2015	10:28	44.6	45.0	44.0	50.8	51.5	50.1	52.9	53.6	52.2	64.1	64.8	63.4
9/9/2015	10:30	44.6	45.2	44.3	46.7	47.4	45.9	50.0	50.7	49.1	62.7	63.6	61.7
9/9/2015	10:32	42.1	42.8	41.6	49.6	50.3	48.7	51.5	52.1	50.8	63.9	64.8	62.9
9/9/2015	10:34	38.1	38.4	37.9	48.3	48.9	47.8	50.2	51.0	49.5	61.2	61.8	60.7
9/9/2015	10:36	37.7	38.3	37.2	40.1	40.3	39.8	43.3	43.5	43.2	51.1	51.3	50.9
9/9/2015	10:38	42.6	43.2	42.1	48.5	49.1	47.9	54.7	55.1	54.1	59.4	60.0	58.8
9/9/2015	10:40	43.9	45.5	42.5	49.7	50.2	49.3	55.7	56.2	55.3	59.7	60.2	59.2
9/9/2015	10:42	44.6	46.1	43.4	50.2	50.8	49.3	54.8	55.2	54.3	62.1	62.9	61.5
9/9/2015	10:44	42.9	44.1	41.6	52.7	53.7	51.1	56.2	57.0	55.3	65.0	66.5	63.7
9/9/2015	10:46	43.0	43.9	42.1	51.2	52.1	50.5	56.0	56.9	54.7	60.9	61.9	59.8
9/9/2015	10:48	44.2	45.6	42.4	48.8	49.4	48.2	54.3	54.8	54.0	58.1	58.8	57.3
9/9/2015	10:50	40.2	41.0	39.4	47.1	47.6	46.5	49.7	50.1	49.3	53.7	54.4	53.2
9/9/2015	10:52	42.9	44.2	41.2	45.1	45.7	44.5	47.2	47.5	46.8	51.5	52.0	51.1
9/9/2015	10:54	41.1	41.9	40.3	49.5	50.3	48.2	61.0	62.7	58.7	55.1	55.4	54.5
9/9/2015	10:56	44.4	45.2	43.7	50.4	50.6	50.2	63.9	64.2	63.5	60.3	60.8	59.8

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/9/2015	10:58	42.7	43.3	42.1	50.9	51.6	50.4	65.7	66.6	64.3	59.7	60.1	59.4
9/9/2015	11:00	48.1	50.3	45.5	49.0	49.4	48.7	60.9	61.5	60.5	58.9	59.3	58.4
9/9/2015	11:02	40.0	40.8	39.3	49.6	49.8	49.3	56.6	56.8	56.4	62.3	62.7	61.8
9/9/2015	11:04	40.4	41.0	39.6	50.7	51.1	50.4	57.6	58.2	57.1	64.9	65.3	64.6
9/9/2015	11:06	39.2	40.3	38.2	40.9	41.4	40.6	45.9	46.4	45.6	54.3	55.1	53.9
9/9/2015	11:08	40.5	41.0	39.9	39.4	39.8	39.1	45.8	46.1	45.5	46.4	46.9	46.0
9/9/2015	11:10	42.3	43.9	40.7	44.5	44.8	44.1	53.0	53.3	52.7	42.4	43.0	42.0
9/9/2015	11:12	44.3	46.3	41.9	40.9	41.2	40.6	48.0	48.3	47.8	45.6	45.8	45.3
9/9/2015	11:14	40.5	41.3	39.8	43.1	43.6	42.4	53.6	54.0	53.2	44.6	44.9	44.3
9/9/2015	11:16	39.6	40.2	39.0	47.8	48.2	47.4	58.5	58.9	58.1	39.6	39.8	39.3
9/9/2015	11:18	40.1	41.5	39.0	42.2	42.6	41.9	52.0	52.5	51.7	38.3	38.6	38.1
9/9/2015	11:20	48.2	49.0	47.3	47.1	47.3	46.8	57.3	57.5	56.9	42.9	43.3	42.4
9/9/2015	11:22	41.3	42.3	40.2	47.9	48.3	47.5	56.7	57.1	56.4	39.6	39.8	39.4
9/9/2015	11:24	39.3	39.6	39.0	47.7	48.2	47.3	55.0	55.8	54.4	38.8	39.0	38.6
9/9/2015	11:26	37.0	37.4	36.7	35.4	35.7	35.1	40.2	40.4	40.0	38.4	38.6	38.2
9/9/2015	11:28	36.0	36.2	35.8	33.9	34.1	33.5	39.9	40.1	39.6	37.8	38.1	37.6
9/9/2015	11:30	38.6	38.7	38.3	38.0	38.3	37.6	41.4	41.6	41.1	40.5	40.8	40.1
9/9/2015	11:32	50.0	50.6	49.5	46.2	46.8	45.4	46.6	47.1	45.8	48.0	48.8	47.1
9/9/2015	11:34	43.1	43.9	42.3	48.4	48.6	47.9	49.0	49.3	48.6	55.0	55.4	54.4
9/9/2015	11:36	40.3	41.0	39.6	47.9	49.3	46.7	47.0	48.2	46.0	48.9	49.9	48.6
9/9/2015	11:38	37.5	37.9	37.2	37.3	37.6	37.0	37.0	37.9	36.1	38.8	39.2	38.4
9/9/2015	11:40	43.2	44.8	41.5	39.1	39.4	38.8	39.2	39.7	38.8	39.0	39.2	38.8
9/9/2015	11:42	40.5	40.8	40.1	42.7	42.9	42.1	44.4	44.8	43.8	45.4	45.8	44.7
9/9/2015	11:44	42.8	43.2	42.5	41.6	42.2	41.3	42.3	42.7	42.0	43.6	44.3	43.4
9/9/2015	11:46	41.4	41.6	41.1	38.5	38.8	38.2	40.8	41.1	40.4	39.6	39.8	39.2
9/9/2015	11:48	44.2	44.8	43.5	40.3	40.9	39.7	42.8	43.2	42.1	39.4	39.8	39.0
9/9/2015	11:50	43.7	44.2	43.3	43.3	43.8	42.8	45.6	46.3	44.9	45.5	46.2	44.9
9/9/2015	11:52	40.3	40.9	39.8	39.5	39.8	39.1	41.0	41.4	40.5	40.9	41.4	40.3
9/9/2015	11:54	40.8	41.2	40.3	40.9	41.2	40.6	41.9	42.1	41.7	41.0	41.3	40.7
9/9/2015	11:56	44.3	45.0	43.5	41.7	42.1	41.5	42.2	42.6	41.9	43.8	44.2	43.3
9/9/2015	11:58	42.6	42.9	42.1	41.8	42.1	41.4	42.7	43.2	42.2	45.8	46.4	45.2
9/9/2015	12:00	43.2	43.6	42.8	43.3	43.7	43.0	44.0	44.5	43.4	46.6	47.1	46.1
9/9/2015	12:02	47.7	48.2	47.2	47.1	47.6	46.5	47.4	47.9	46.8	47.3	47.8	46.8
9/9/2015	12:04	47.5	48.0	47.1	46.6	47.0	46.1	47.4	47.8	47.0	48.9	49.8	47.8
9/9/2015	12:06	43.3	43.6	43.0	43.8	44.0	43.5	45.5	45.8	45.2	47.8	48.6	47.4
9/9/2015	12:08	45.3	45.8	44.7	43.0	43.3	42.8	44.2	44.6	43.9	45.0	45.4	44.7
9/9/2015	12:10	42.4	42.8	42.1	40.4	40.6	40.2	41.0	41.2	40.9	40.4	40.7	40.2
9/9/2015	12:12	40.1	40.6	39.7	39.2	39.5	39.0	41.3	41.6	41.1	40.5	40.8	40.3
9/9/2015	12:14	48.7	51.6	46.7	42.8	43.2	42.3	43.8	44.4	43.4	46.7	47.1	46.3
9/9/2015	12:16	43.9	45.5	42.4	41.1	41.4	40.8	41.7	41.9	41.5	40.3	40.6	40.0
9/9/2015	12:18	44.1	45.5	42.7	43.0	43.8	42.0	41.9	42.2	41.6	40.4	40.7	40.2
9/9/2015	12:20	34.7	35.3	34.1	40.8	41.0	40.5	39.4	39.7	39.0	40.6	40.9	40.4
9/9/2015	12:22	---	---	---	40.0	40.2	39.7	38.5	38.9	38.1	40.7	41.0	40.4
9/9/2015	12:24	---	---	---	40.3	40.4	39.7	40.2	40.3	39.7	39.5	39.7	39.3
9/9/2015	12:26	---	---	---	44.0	44.8	42.7	42.0	42.3	41.8	39.7	39.9	39.4
9/9/2015	12:28	---	---	---	42.1	42.4	41.8	43.3	43.7	43.0	42.5	43.1	42.0
9/9/2015	12:30	---	---	---	43.7	44.1	43.3	42.9	43.2	42.6	45.0	45.6	44.2
9/9/2015	12:32	---	---	---	41.6	42.0	41.2	42.8	43.1	42.4	44.7	45.7	43.9
9/9/2015	12:34	---	---	---	42.6	43.0	42.2	45.1	45.6	44.6	43.5	44.0	42.9
9/9/2015	12:36	---	---	---	43.9	44.3	43.4	46.7	47.5	45.8	44.7	45.4	43.9
9/9/2015	12:38	---	---	---	42.9	43.2	42.7	43.6	43.9	43.3	42.1	42.4	41.8
9/9/2015	12:40	---	---	---	42.8	43.1	42.5	42.1	42.5	41.7	45.4	45.8	45.0
9/9/2015	12:42	---	---	---	41.4	41.7	41.1	41.1	41.5	40.6	42.3	42.7	41.9
9/9/2015	12:44	---	---	---	41.0	41.2	40.7	41.9	42.1	41.6	41.7	42.0	41.3
9/9/2015	12:46	---	---	---	44.0	44.7	43.3	45.2	45.7	44.6	48.4	49.4	47.2
9/9/2015	12:48	---	---	---	41.7	41.9	41.4	42.7	43.0	42.5	42.9	43.5	42.3
9/9/2015	12:50	---	---	---	42.0	42.3	41.7	43.3	43.6	43.1	43.3	43.5	43.0
9/9/2015	12:52	---	---	---	43.4	44.0	42.8	44.2	44.8	43.7	52.1	53.4	50.8
9/9/2015	12:54	---	---	---	44.5	45.0	43.9	46.2	46.8	45.6	46.0	46.6	45.3
9/9/2015	12:56	---	---	---	44.3	44.8	43.7	44.1	44.4	43.8	43.5	44.1	43.3
9/9/2015	12:58	---	---	---	42.5	43.4	41.8	42.6	43.0	42.3	40.8	41.1	40.6
9/9/2015	13:00	---	---	---	43.7	44.5	43.1	42.4	42.8	42.1	42.0	42.4	41.6
9/9/2015	13:02	---	---	---	44.0	44.8	43.2	42.2	42.6	41.7	43.3	43.6	43.0
9/9/2015	13:04	---	---	---	45.4	46.3	44.6	44.7	45.3	44.0	44.9	45.3	44.1
9/9/2015	13:06	---	---	---	44.3	44.7	43.9	45.4	46.2	44.8	45.0	46.0	44.3
9/9/2015	13:08	---	---	---	43.2	43.6	42.8	45.0	45.5	44.6	51.3	52.2	50.0
9/9/2015	13:10	---	---	---	40.4	40.7	40.1	41.9	42.1	41.8	42.0	42.2	41.7

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/9/2015	13:12	---	---	---	41.3	41.5	40.9	42.8	43.1	42.5	43.0	43.3	42.6
9/9/2015	13:14	---	---	---	46.0	46.5	45.6	47.7	48.1	47.2	55.3	56.2	54.4
9/9/2015	13:16	---	---	---	41.3	41.5	40.9	42.2	42.5	42.0	41.5	41.8	41.3
9/9/2015	13:18	---	---	---	43.3	43.8	42.6	44.3	45.0	43.6	42.8	43.2	42.4
9/9/2015	13:20	---	---	---	40.7	41.1	40.5	38.5	38.9	38.1	41.3	41.6	41.0
9/9/2015	13:22	---	---	---	40.3	40.5	40.0	39.6	39.9	39.3	40.9	41.1	40.6
9/9/2015	13:24	---	---	---	40.1	40.4	39.7	42.0	42.3	41.8	41.3	41.6	41.0
9/9/2015	13:26	---	---	---	42.7	43.1	42.3	44.3	44.7	43.8	43.9	44.4	43.4
9/9/2015	13:28	---	---	---	40.2	40.6	40.0	41.5	41.8	41.3	40.7	41.0	40.6
9/9/2015	13:30	---	---	---	41.6	41.8	41.3	42.1	42.3	41.9	41.6	41.9	41.3
9/9/2015	13:32	---	---	---	44.9	45.6	44.3	45.0	45.6	44.4	51.9	53.2	50.2
9/9/2015	13:34	---	---	---	41.5	41.9	41.2	42.7	43.1	42.5	41.5	41.8	41.2
9/9/2015	13:36	---	---	---	40.8	41.0	40.5	41.7	42.0	41.4	41.0	41.2	40.8
9/9/2015	13:38	---	---	---	44.1	44.6	43.6	43.7	44.1	43.2	47.3	47.7	46.9
9/9/2015	13:40	---	---	---	39.3	39.6	39.0	36.6	37.0	36.4	39.9	40.2	39.6
9/9/2015	13:42	44.0	46.2	41.5	39.9	40.4	39.3	38.0	38.5	37.5	39.8	40.2	39.5
9/9/2015	13:44	41.6	42.3	40.9	41.3	41.8	40.9	42.6	42.8	42.2	41.9	42.4	41.5
9/9/2015	13:46	44.2	44.8	43.4	39.6	39.8	39.4	40.8	41.0	40.7	39.1	39.3	39.0
9/9/2015	13:48	41.9	42.2	41.6	40.2	40.4	39.9	40.4	40.7	40.2	40.3	40.9	39.8
9/9/2015	13:50	45.0	45.2	44.8	42.2	42.4	42.0	42.6	42.8	42.3	41.1	41.4	40.8
9/9/2015	13:52	39.8	40.1	39.5	40.4	40.7	40.1	41.8	42.0	41.6	40.8	41.1	40.6
9/9/2015	13:54	40.9	41.5	40.4	41.6	41.9	41.2	42.1	42.4	41.8	40.6	41.0	40.3
9/9/2015	13:56	41.5	41.8	41.3	40.7	41.0	40.4	40.6	40.8	40.5	40.4	40.6	40.1
9/9/2015	13:58	40.1	40.5	39.9	40.2	40.4	39.9	41.5	41.7	41.3	40.9	41.2	40.6
9/9/2015	14:00	43.1	43.4	42.8	40.0	40.2	39.7	40.6	40.8	40.4	40.6	40.8	40.3
9/9/2015	14:02	43.8	45.2	42.2	41.8	42.0	41.5	43.3	43.6	43.0	42.5	42.9	42.1
9/9/2015	14:04	40.8	41.4	40.3	40.8	41.2	40.5	41.9	42.2	41.6	42.2	42.8	41.7
9/9/2015	14:06	42.0	43.3	41.0	39.1	39.5	38.8	40.9	41.3	40.7	41.0	41.7	40.4
9/9/2015	14:08	40.9	41.4	40.4	41.2	41.6	40.6	42.4	42.9	41.9	44.0	44.9	43.1
9/9/2015	14:10	44.5	44.9	44.0	43.1	43.5	42.8	43.8	44.1	43.4	44.1	44.7	43.6
9/9/2015	14:12	40.0	40.3	39.7	41.2	41.5	40.8	42.2	42.4	42.0	41.4	41.8	41.1
9/9/2015	14:14	40.9	41.3	40.6	40.1	40.4	39.9	42.4	42.6	42.2	41.4	41.7	41.1
9/9/2015	14:16	45.4	45.9	44.8	43.3	43.6	42.9	44.2	44.6	43.8	43.6	44.0	43.2
9/9/2015	14:18	41.7	42.0	41.4	41.1	41.4	40.8	42.3	42.6	42.1	42.1	42.4	41.7
9/9/2015	14:20	40.0	40.2	39.8	42.7	43.0	42.2	42.7	43.1	42.3	43.7	44.0	43.4
9/9/2015	14:22	44.1	44.7	43.5	39.9	40.1	39.7	38.9	39.3	38.6	40.4	40.8	40.1
9/9/2015	14:24	42.9	43.2	42.7	40.7	40.9	40.5	38.1	38.4	37.8	40.5	40.8	40.2
9/9/2015	14:26	42.6	42.9	42.3	41.2	41.5	41.0	41.6	41.7	41.3	40.3	40.6	40.1
9/9/2015	14:28	39.6	39.9	39.4	40.0	40.3	39.7	41.0	41.2	40.8	40.1	40.4	39.8
9/9/2015	14:30	43.4	43.9	42.8	41.3	41.6	41.1	42.2	42.4	42.0	41.9	42.2	41.6
9/9/2015	14:32	40.2	40.8	39.5	40.4	40.7	40.0	42.8	43.2	42.4	41.3	41.8	40.9
9/9/2015	14:34	42.4	42.7	42.0	42.5	43.2	42.0	41.3	41.6	41.0	42.0	42.6	41.3
9/9/2015	14:36	41.3	41.6	41.0	40.5	40.8	40.3	40.9	41.1	40.7	40.2	40.5	40.0
9/9/2015	14:38	39.3	39.6	39.1	39.2	39.4	39.0	40.3	40.5	40.2	38.9	39.0	38.7
9/9/2015	14:40	38.5	38.8	38.3	39.6	39.9	39.3	41.0	41.2	40.8	40.4	40.8	40.1
9/9/2015	14:42	39.7	39.9	39.4	40.5	40.9	40.2	41.4	41.6	41.1	41.0	41.4	40.7
9/9/2015	14:44	44.8	45.4	44.2	40.6	40.8	40.3	41.3	41.5	41.1	40.4	40.7	40.1
9/9/2015	14:46	40.8	41.1	40.6	43.1	43.4	42.8	41.5	41.7	41.2	41.0	41.4	40.6
9/9/2015	14:48	41.9	42.2	41.7	40.9	41.2	40.6	41.2	41.3	40.9	40.2	40.4	39.9
9/9/2015	14:50	41.1	41.4	40.3	42.0	42.7	41.4	42.7	43.3	42.2	39.7	40.0	39.4
9/9/2015	14:52	41.1	41.7	40.9	43.5	43.9	43.0	44.0	44.4	43.7	45.7	46.0	45.3
9/9/2015	14:54	42.2	42.5	41.9	42.5	42.8	42.3	43.5	44.0	43.0	42.1	42.5	41.8
9/9/2015	14:56	41.5	41.8	41.2	39.8	40.1	39.6	37.9	38.2	37.5	47.7	49.5	43.8
9/9/2015	14:58	37.6	37.9	37.5	39.1	39.5	38.8	38.0	38.4	37.5	39.1	39.3	38.9
9/9/2015	15:00	39.6	40.3	39.1	40.0	40.2	39.7	39.8	40.0	39.5	41.7	42.4	40.8
9/9/2015	15:02	41.6	41.9	41.3	40.5	40.7	40.3	41.2	41.5	41.0	---	---	---
9/9/2015	15:04	39.1	39.5	38.8	41.4	42.3	40.7	42.0	42.4	41.5	---	---	---
9/9/2015	15:06	40.1	40.5	39.7	40.3	40.6	40.1	41.1	41.3	40.9	---	---	---
9/9/2015	15:08	38.0	38.2	37.9	38.9	39.1	38.7	40.7	40.9	40.5	---	---	---
9/9/2015	15:10	38.4	38.7	38.0	38.3	38.6	38.1	40.4	40.6	40.3	---	---	---
9/9/2015	15:12	41.3	41.7	40.8	39.9	40.4	39.5	40.3	40.5	40.1	---	---	---
9/9/2015	15:14	47.9	48.7	47.0	40.6	40.9	40.2	42.1	42.5	41.7	---	---	---
9/9/2015	15:16	43.7	44.5	43.0	40.2	40.5	39.9	42.0	42.3	41.7	46.5	48.2	44.8
9/9/2015	15:18	36.0	36.2	35.8	37.9	38.2	37.6	40.1	40.3	39.9	38.5	38.6	38.3
9/9/2015	15:20	36.8	37.1	36.7	38.4	38.6	38.1	40.7	41.2	40.0	38.9	39.1	38.7
9/9/2015	15:22	37.8	38.8	36.4	38.1	38.3	37.8	40.7	40.8	40.5	39.4	39.5	39.2
9/9/2015	15:24	43.6	45.0	41.6	39.0	39.2	38.7	41.0	41.2	40.8	39.6	39.8	39.4

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/9/2015	15:26	41.0	41.9	39.9	39.6	39.8	39.4	41.1	41.3	41.0	39.4	39.6	39.3
9/9/2015	15:28	45.7	47.8	43.1	38.2	38.4	37.9	39.9	40.0	39.8	38.7	38.9	38.6
9/9/2015	15:30	39.1	39.4	38.7	38.2	38.4	37.9	40.7	40.9	40.6	38.5	38.7	38.4
9/9/2015	15:32	39.7	40.2	39.4	38.3	38.6	38.0	41.2	41.5	41.0	38.9	39.1	38.8
9/9/2015	15:34	42.7	43.4	42.0	38.1	38.4	37.8	40.6	40.7	40.4	38.8	38.9	38.6
9/9/2015	15:36	39.5	40.0	39.1	40.0	40.3	39.7	39.5	39.8	39.3	40.9	41.2	40.6
9/9/2015	15:38	42.2	42.6	41.9	39.9	40.2	39.7	38.8	39.1	38.5	40.4	40.7	40.2
9/9/2015	15:40	40.2	40.7	39.8	39.9	40.2	39.6	38.7	39.0	38.3	40.5	40.8	40.3
9/9/2015	15:42	38.8	39.0	38.5	39.5	39.8	39.2	41.3	41.5	41.1	40.3	40.6	40.1
9/9/2015	15:44	40.5	40.8	40.1	39.2	39.4	38.9	41.2	41.4	41.1	40.2	40.5	39.7
9/9/2015	15:46	40.0	40.2	39.7	40.0	40.3	39.7	42.8	43.4	42.1	40.8	41.1	40.5
9/9/2015	15:48	42.2	43.0	40.8	39.5	39.8	39.3	41.6	41.9	41.4	41.1	41.4	40.9
9/9/2015	15:50	41.0	41.5	40.5	39.1	39.4	38.8	41.0	41.2	40.8	39.8	40.0	39.5
9/9/2015	15:52	40.6	40.9	40.3	40.0	40.2	39.8	40.4	40.6	40.2	40.7	40.9	40.4
9/9/2015	15:54	40.3	41.3	39.3	39.4	40.2	38.6	36.4	36.9	36.0	39.9	40.4	39.5
9/9/2015	15:56	42.5	42.9	42.2	44.1	45.8	42.4	37.8	38.1	37.5	40.4	40.9	40.1
9/9/2015	15:58	39.5	39.7	39.3	42.4	43.7	41.0	38.3	38.9	37.8	39.1	39.3	38.9
9/9/2015	16:00	40.5	40.9	40.1	42.4	43.7	40.9	41.5	41.8	41.3	40.1	52.8	40.4
9/9/2015	16:02	38.1	38.5	37.9	42.0	43.6	40.5	40.5	40.8	40.2	39.3	54.8	39.6
9/9/2015	16:04	39.3	39.7	38.9	44.7	45.7	43.9	49.4	51.2	46.3	41.9	58.4	43.0
9/9/2015	16:06	42.0	43.1	40.8	39.9	40.1	39.6	40.6	40.8	40.5	40.1	52.7	40.3
9/9/2015	16:08	42.7	43.0	42.4	55.3	55.6	54.8	45.0	45.1	44.6	41.1	53.7	41.3
9/9/2015	16:10	42.5	42.8	42.2	58.1	58.4	57.7	46.1	46.4	45.9	42.6	54.1	42.8
9/9/2015	16:12	43.6	44.0	43.2	57.0	57.4	56.8	45.3	45.5	45.0	41.1	53.2	41.2
9/9/2015	16:14	42.4	42.8	42.0	57.7	58.1	57.3	45.2	45.4	44.9	41.2	52.7	41.4
9/9/2015	16:16	41.6	41.9	41.2	61.9	62.4	61.5	47.9	48.2	47.7	42.0	54.1	42.2
9/9/2015	16:18	40.0	40.3	39.8	53.1	53.4	52.8	44.5	44.8	44.3	41.3	53.3	41.5
9/9/2015	16:20	39.1	39.5	38.7	39.1	39.3	38.8	40.8	41.0	40.6	40.6	52.8	40.7
9/9/2015	16:22	41.3	41.8	40.9	39.7	40.1	39.4	41.7	42.0	41.4	40.8	52.8	40.9
9/9/2015	16:24	41.2	41.5	40.8	41.2	41.5	41.0	42.3	42.5	42.1	42.0	53.8	42.3
9/9/2015	16:26	41.8	42.0	41.6	40.7	40.9	40.4	39.2	39.5	39.0	41.4	53.3	41.6
9/9/2015	16:28	41.3	41.5	41.1	40.3	40.7	40.0	39.4	40.1	38.8	40.6	52.7	40.7
9/9/2015	16:30	39.6	39.8	39.2	39.2	39.5	38.8	37.6	38.2	36.8	39.8	52.5	40.0
9/10/2015	7:00	46.9	47.5	46.3	44.1	44.4	43.9	46.0	46.7	45.3	44.8	45.1	44.7
9/10/2015	7:02	46.4	46.6	46.1	45.0	45.4	44.7	45.6	46.0	45.2	45.1	45.3	44.8
9/10/2015	7:04	46.7	47.0	46.4	45.6	45.8	45.3	46.5	47.4	45.0	45.3	45.7	45.0
9/10/2015	7:06	45.2	45.4	45.1	44.8	45.1	44.6	43.9	44.2	43.6	45.2	45.5	44.8
9/10/2015	7:08	45.1	45.3	44.9	44.7	44.9	44.5	45.3	45.6	44.9	44.7	44.9	44.5
9/10/2015	7:10	44.7	44.9	44.5	44.9	45.1	44.6	45.0	45.4	44.7	45.5	45.7	45.2
9/10/2015	7:12	46.5	46.7	46.2	43.5	43.8	43.3	43.3	43.7	42.9	44.0	44.2	43.7
9/10/2015	7:14	43.6	44.0	43.4	41.8	42.2	41.4	43.8	44.4	43.1	44.7	45.3	44.1
9/10/2015	7:16	49.4	50.4	48.3	41.3	42.1	40.4	42.8	43.5	42.1	43.2	43.9	42.4
9/10/2015	7:18	42.7	44.0	41.5	35.9	36.3	35.4	38.2	38.9	37.5	40.9	41.7	40.0
9/10/2015	7:20	38.2	38.7	37.7	36.4	36.9	35.8	40.0	40.7	39.3	40.5	40.9	40.0
9/10/2015	7:22	38.9	39.2	38.5	38.8	40.3	37.5	53.5	55.8	50.7	40.2	40.9	39.6
9/10/2015	7:24	36.8	37.1	36.5	37.2	38.4	35.9	51.1	53.4	47.8	39.3	39.7	38.9
9/10/2015	7:26	37.7	38.5	36.9	42.2	43.6	40.6	53.1	54.7	50.8	41.2	41.5	40.7
9/10/2015	7:28	40.3	40.7	39.9	44.9	46.3	43.3	57.2	59.7	54.7	46.8	47.2	46.3
9/10/2015	7:30	42.4	43.1	41.6	40.5	41.4	39.6	55.2	57.7	52.1	41.2	42.0	40.5
9/10/2015	7:32	41.6	42.1	41.1	45.3	46.5	43.8	43.8	44.2	43.3	44.9	45.5	44.4
9/10/2015	7:34	39.7	40.3	38.9	38.2	39.0	37.4	46.5	48.7	43.9	40.5	40.8	40.1
9/10/2015	7:36	43.0	43.6	42.2	38.6	38.9	38.2	41.1	41.5	40.7	42.3	42.6	42.0
9/10/2015	7:38	38.7	39.0	38.4	37.7	38.0	37.3	39.6	39.9	39.3	42.1	42.5	41.7
9/10/2015	7:40	39.0	39.4	38.6	40.1	40.9	39.4	41.3	42.1	40.6	48.9	50.2	47.6
9/10/2015	7:42	48.0	48.3	47.5	41.8	42.3	41.3	43.6	44.4	42.9	46.3	47.1	45.5
9/10/2015	7:44	43.3	44.1	43.1	39.4	40.5	38.6	39.8	40.5	39.4	42.2	42.6	41.9
9/10/2015	7:46	42.5	43.3	41.7	37.0	37.2	36.8	37.7	37.9	37.4	40.9	41.0	40.7
9/10/2015	7:48	39.0	39.3	38.7	39.0	39.4	38.6	40.9	41.8	40.1	41.7	42.0	41.5
9/10/2015	7:50	39.8	40.2	39.4	40.0	40.4	39.5	40.3	41.1	39.4	43.2	44.2	42.3
9/10/2015	7:52	40.7	40.9	40.4	42.4	42.7	42.0	46.9	48.1	45.5	44.0	44.4	43.5
9/10/2015	7:54	43.4	43.7	42.9	42.6	42.8	42.3	44.1	44.9	43.2	43.6	43.9	43.4
9/10/2015	7:56	42.6	43.4	42.0	40.2	40.6	39.9	46.7	48.6	44.5	41.3	41.6	41.0
9/10/2015	7:58	42.3	43.2	41.2	40.0	40.5	39.5	43.6	44.6	42.5	41.1	41.4	40.7
9/10/2015	8:00	46.1	46.9	45.5	44.4	44.7	44.1	45.2	46.0	44.5	46.0	46.4	45.4
9/10/2015	8:02	45.7	46.7	44.8	42.1	42.5	41.8	44.2	44.8	43.7	44.2	45.2	43.4
9/10/2015	8:04	43.3	44.3	42.3	42.2	43.2	40.9	42.8	43.0	42.5	41.2	41.6	40.8
9/10/2015	8:06	42.6	43.2	42.0	44.0	46.0	42.5	45.3	47.7	43.8	41.8	42.1	41.5

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/10/2015	8:08	47.0	48.1	45.9	44.4	44.6	43.9	44.6	44.8	44.3	47.4	47.5	47.1
9/10/2015	8:10	49.4	50.8	48.0	50.5	50.8	50.1	51.4	51.7	51.0	59.0	59.2	58.6
9/10/2015	8:12	47.8	48.6	47.0	59.4	59.7	58.7	63.0	63.4	62.5	71.1	71.5	70.7
9/10/2015	8:14	52.9	54.5	51.3	61.3	61.6	61.0	63.0	63.4	62.8	57.4	57.8	57.2
9/10/2015	8:16	50.4	52.4	48.4	45.9	46.3	45.5	48.2	48.5	48.0	47.0	47.3	46.6
9/10/2015	8:18	46.5	47.9	44.7	44.6	45.1	44.3	44.4	44.8	44.2	43.2	43.5	43.0
9/10/2015	8:20	47.8	50.1	45.4	33.8	34.3	33.0	35.4	35.6	34.6	38.8	39.2	38.3
9/10/2015	8:22	47.0	48.8	44.4	40.8	41.4	40.2	44.1	44.5	43.7	45.9	46.3	45.4
9/10/2015	8:24	44.5	45.1	43.9	66.7	67.5	65.9	64.4	65.2	63.5	51.6	52.1	51.1
9/10/2015	8:26	46.9	48.8	44.2	37.9	38.4	37.4	42.5	43.1	41.9	43.8	44.4	43.2
9/10/2015	8:28	50.3	51.9	48.4	43.4	44.1	42.8	43.3	43.9	42.6	45.0	45.9	44.0
9/10/2015	8:30	42.6	43.5	41.6	39.6	39.9	39.2	41.8	42.1	41.4	43.9	44.4	43.3
9/10/2015	8:32	46.9	47.1	46.6	47.3	47.4	47.1	48.5	48.6	48.4	46.8	47.0	46.5
9/10/2015	8:34	48.3	48.5	48.2	50.4	50.6	50.2	51.5	51.6	51.3	49.9	50.1	49.7
9/10/2015	8:36	46.4	46.9	46.1	44.6	44.9	44.3	46.3	46.6	46.0	45.6	46.0	45.4
9/10/2015	8:38	47.0	48.1	46.2	44.5	44.9	44.1	45.2	45.7	44.8	44.4	44.8	44.0
9/10/2015	8:40	45.5	46.1	44.9	43.6	44.0	43.2	46.3	46.6	45.8	43.3	43.8	42.9
9/10/2015	8:42	46.9	47.5	46.3	45.4	45.8	45.1	46.6	47.0	46.2	45.8	46.4	45.3
9/10/2015	8:44	48.1	48.7	47.6	49.5	49.8	49.1	49.0	49.3	48.6	51.3	52.3	49.9
9/10/2015	8:46	47.2	47.7	46.8	46.5	46.8	46.2	48.0	48.2	47.7	50.3	50.7	49.7
9/10/2015	8:48	48.8	49.4	48.2	48.9	49.1	48.6	48.8	49.2	48.6	47.6	48.0	47.4
9/10/2015	8:50	50.9	51.7	50.1	51.5	52.1	50.8	51.9	52.5	51.1	46.0	46.4	45.6
9/10/2015	8:52	53.0	54.1	51.8	49.6	50.1	49.1	50.2	50.8	49.6	45.5	45.9	45.1
9/10/2015	8:54	50.5	52.0	49.3	48.0	48.2	47.7	48.2	48.6	47.8	45.3	45.6	45.0
9/10/2015	8:56	48.6	50.4	46.6	44.3	44.6	44.0	46.4	46.9	46.1	45.2	46.1	44.2
9/10/2015	8:58	53.8	56.1	51.0	40.7	40.9	40.4	42.2	42.4	41.8	44.5	45.3	43.7
9/10/2015	9:00	46.3	46.7	45.8	43.6	43.9	43.4	45.5	45.8	45.2	45.3	45.9	44.8
9/10/2015	9:02	49.1	50.8	47.6	43.1	43.4	42.8	46.9	47.2	46.7	44.3	44.6	44.0
9/10/2015	9:04	47.8	48.4	47.2	44.4	44.7	44.1	47.4	47.6	47.2	44.7	45.0	44.4
9/10/2015	9:06	56.5	57.2	55.7	49.5	49.9	49.1	50.2	50.4	49.9	48.1	48.4	47.7
9/10/2015	9:08	51.1	51.8	50.3	43.7	44.1	43.6	45.1	45.5	44.9	42.6	43.1	42.4
9/10/2015	9:10	49.9	50.5	49.2	49.5	50.1	48.8	50.5	51.0	49.9	49.9	50.4	49.0
9/10/2015	9:12	62.0	62.9	61.0	62.7	63.6	61.8	62.4	63.1	61.6	62.5	63.3	61.6
9/10/2015	9:14	66.3	66.9	65.5	66.3	67.0	65.5	66.8	67.6	65.9	65.9	66.7	64.9
9/10/2015	9:16	61.9	62.8	61.2	60.8	61.8	59.9	59.2	60.3	58.5	60.9	61.9	59.9
9/10/2015	9:18	46.0	47.0	45.1	42.1	42.8	41.6	44.7	45.5	44.0	43.5	44.5	42.6
9/10/2015	9:20	42.7	43.1	42.4	44.5	44.8	44.3	46.2	46.4	46.0	45.8	46.0	45.5
9/10/2015	9:22	46.3	47.5	44.8	44.8	45.0	44.7	47.5	47.7	47.4	48.8	49.0	48.5
9/10/2015	9:24	49.4	50.7	47.8	45.1	45.3	44.9	47.3	47.6	47.1	51.5	51.9	51.3
9/10/2015	9:26	48.3	49.1	47.3	43.1	43.3	42.8	46.2	46.4	46.0	44.3	44.7	44.1
9/10/2015	9:28	51.3	52.0	50.6	47.8	48.5	47.0	51.5	52.2	50.6	48.3	48.9	47.5
9/10/2015	9:30	47.6	48.7	46.1	43.9	44.5	43.5	48.0	48.6	47.2	46.7	47.5	46.1
9/10/2015	9:32	47.0	48.2	45.6	42.2	42.8	41.6	46.1	46.9	45.4	44.5	45.0	44.0
9/10/2015	9:34	43.0	44.7	41.5	41.4	41.7	41.0	42.5	42.8	42.1	42.6	42.8	42.2
9/10/2015	9:36	---	---	---	41.0	41.3	40.6	42.8	43.1	42.5	44.1	44.4	43.8
9/10/2015	9:38	---	---	---	42.9	43.1	42.6	45.2	45.4	45.0	45.8	46.0	45.6
9/10/2015	9:40	---	---	---	43.8	44.0	43.6	46.0	46.2	45.8	45.6	45.9	45.4
9/10/2015	9:42	---	---	---	45.0	45.1	44.7	47.0	47.2	46.9	46.8	47.1	46.5
9/10/2015	9:44	33.3	34.2	30.9	44.9	45.1	44.7	47.4	47.6	47.2	45.7	45.9	45.5
9/10/2015	9:46	49.5	51.2	47.0	44.6	44.9	44.2	47.0	47.2	46.7	46.7	47.0	46.3
9/10/2015	9:48	49.1	51.1	46.1	41.2	41.6	40.9	43.7	44.0	43.4	43.6	44.0	43.2
9/10/2015	9:50	42.3	42.7	41.8	37.6	38.2	37.0	39.1	39.7	38.7	38.8	39.2	38.5
9/10/2015	9:52	37.8	38.2	37.5	35.7	36.2	35.3	36.6	37.1	36.1	38.7	39.0	38.4
9/10/2015	9:54	38.4	38.6	38.1	39.5	39.7	39.0	39.9	40.2	39.4	44.2	44.2	43.3
9/10/2015	9:56	43.3	43.8	42.9	43.1	43.3	42.9	44.9	45.2	44.7	58.9	59.1	58.7
9/10/2015	9:58	42.7	43.0	42.3	43.6	43.8	43.4	47.9	48.2	47.6	57.8	58.0	57.7
9/10/2015	10:00	46.3	46.5	46.1	46.9	47.1	46.7	47.4	47.6	47.2	50.0	50.3	49.7
9/10/2015	10:02	46.8	47.2	46.5	48.7	49.0	48.4	49.6	49.9	49.2	54.1	54.5	53.6
9/10/2015	10:04	48.3	48.7	47.9	49.1	49.4	48.8	50.4	50.7	50.1	54.6	55.0	54.2
9/10/2015	10:06	46.5	46.9	46.2	47.9	48.1	47.5	50.1	50.4	49.7	53.3	53.9	52.6
9/10/2015	10:08	45.6	45.9	45.3	48.5	48.8	48.2	49.5	49.8	49.2	55.5	56.3	54.6
9/10/2015	10:10	47.4	47.8	46.9	48.7	49.2	48.3	49.1	49.5	48.7	55.2	55.9	54.5
9/10/2015	10:12	45.9	46.2	45.6	47.7	48.0	47.3	49.3	49.8	48.8	51.6	52.0	51.1
9/10/2015	10:14	46.9	47.2	46.7	48.5	48.7	48.3	49.4	49.6	49.1	54.7	55.0	54.4
9/10/2015	10:16	48.8	49.1	48.4	52.6	53.0	52.1	53.6	54.2	53.0	56.4	56.9	55.8
9/10/2015	10:18	48.7	49.0	48.3	50.0	50.2	49.8	51.0	51.3	50.8	55.3	55.6	54.8
9/10/2015	10:20	45.4	46.0	45.0	45.7	46.0	45.5	46.9	47.3	46.6	47.9	48.6	47.8

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/10/2015	10:22	44.6	45.2	44.1	46.5	47.0	46.0	49.1	49.6	48.5	60.6	61.2	60.0
9/10/2015	10:24	47.5	48.2	46.8	50.4	50.8	49.8	53.1	53.5	52.4	64.8	65.4	64.2
9/10/2015	10:26	48.5	48.9	48.2	50.8	51.1	50.6	53.4	53.8	53.2	56.7	57.1	56.2
9/10/2015	10:28	46.6	46.9	46.2	49.9	50.2	49.7	51.2	51.4	50.9	56.9	57.5	56.4
9/10/2015	10:30	48.1	48.4	47.9	51.2	51.4	50.9	51.9	52.1	51.7	57.6	57.8	57.2
9/10/2015	10:32	49.6	49.9	49.3	50.4	50.6	50.0	51.4	51.8	51.1	64.1	64.8	63.4
9/10/2015	10:34	48.4	48.7	48.0	50.4	50.7	50.2	51.5	51.7	51.2	56.2	56.5	56.0
9/10/2015	10:36	47.5	47.8	47.3	50.3	50.5	50.1	50.9	51.2	50.6	58.1	58.7	57.4
9/10/2015	10:38	48.6	48.8	48.4	50.4	50.6	50.2	51.1	51.4	50.8	58.9	59.5	58.1
9/10/2015	10:40	48.3	48.7	48.1	50.4	50.6	50.1	52.7	52.9	52.4	55.4	55.6	55.1
9/10/2015	10:42	47.8	48.0	47.5	50.5	50.8	50.3	51.9	52.2	51.7	55.7	56.0	55.4
9/10/2015	10:44	48.1	48.5	47.9	51.4	51.6	51.2	52.0	52.3	51.7	56.8	57.0	56.4
9/10/2015	10:46	48.6	49.2	47.9	52.8	53.3	52.3	54.8	55.4	54.2	57.7	58.1	57.3
9/10/2015	10:48	51.4	51.9	50.8	54.2	54.9	53.4	55.5	56.1	54.8	62.6	63.3	61.7
9/10/2015	10:50	48.9	49.2	48.6	50.9	51.1	50.6	52.1	52.4	51.9	56.8	57.0	56.5
9/10/2015	10:52	48.2	48.5	47.9	51.1	51.3	50.9	52.3	52.5	52.1	57.1	57.3	56.9
9/10/2015	10:54	49.0	49.2	48.7	51.4	51.7	51.2	51.8	52.1	51.6	58.7	58.9	58.5
9/10/2015	10:56	48.4	48.7	48.0	51.2	51.5	50.8	52.1	52.5	51.6	62.2	62.8	61.4
9/10/2015	10:58	48.2	48.6	47.8	50.6	51.0	50.3	51.4	51.8	51.0	58.0	58.2	57.7
9/10/2015	11:00	47.2	47.6	46.8	49.9	50.3	49.6	50.6	51.0	50.2	58.0	58.3	57.7
9/10/2015	11:02	45.0	45.3	44.8	46.9	47.2	46.6	47.1	47.4	46.9	58.9	59.1	58.6
9/10/2015	11:04	44.4	44.8	44.0	46.6	46.8	46.3	48.0	48.4	47.6	58.2	58.4	58.0
9/10/2015	11:06	46.1	47.0	44.8	46.7	47.1	46.2	47.2	47.5	46.9	59.3	59.6	59.0
9/10/2015	11:08	52.7	53.9	51.2	50.1	51.1	49.0	51.2	52.3	50.2	60.5	60.9	60.0
9/10/2015	11:10	49.9	50.3	49.4	52.0	52.4	51.6	52.4	52.9	51.8	58.8	59.2	58.4
9/10/2015	11:12	49.2	49.6	48.7	51.9	52.2	51.6	52.6	53.2	52.1	62.3	62.9	61.6
9/10/2015	11:14	45.3	45.6	45.1	49.6	49.9	49.3	48.9	49.3	48.6	59.3	59.6	59.0
9/10/2015	11:16	46.5	46.8	46.2	50.0	50.3	49.6	50.4	50.8	50.0	63.7	64.2	63.1
9/10/2015	11:18	43.3	43.7	43.0	43.3	43.7	43.1	43.3	43.8	43.1	52.1	52.6	51.8
9/10/2015	11:20	41.0	41.4	40.4	36.2	36.5	36.0	36.8	37.1	36.5	44.6	44.8	44.5
9/10/2015	11:22	40.4	41.1	40.0	34.5	34.8	34.3	35.6	35.8	35.2	43.7	43.8	43.5
9/10/2015	11:24	44.0	44.3	43.7	47.5	47.7	47.1	48.7	48.9	48.4	57.2	57.5	56.7
9/10/2015	11:26	45.7	46.0	45.4	51.9	52.1	51.6	52.1	52.3	51.9	58.9	59.1	58.6
9/10/2015	11:28	45.4	45.8	44.9	50.8	51.4	50.2	50.8	51.5	50.3	58.1	58.5	57.8
9/10/2015	11:30	47.3	48.0	46.5	51.8	52.4	51.2	53.3	54.1	52.4	58.1	58.4	57.8
9/10/2015	11:32	47.8	48.1	47.4	52.7	53.1	52.3	52.9	53.3	52.5	58.6	58.9	58.2
9/10/2015	11:34	47.8	48.1	47.6	52.9	53.1	52.6	52.9	53.1	52.6	58.3	58.5	58.0
9/10/2015	11:36	46.8	47.1	46.5	55.1	55.4	54.7	55.8	56.2	55.5	61.1	61.4	60.7
9/10/2015	11:38	46.1	46.3	45.8	53.5	53.8	53.2	53.9	54.2	53.6	60.2	60.4	59.8
9/10/2015	11:40	46.2	46.5	45.8	55.3	55.7	54.9	56.4	56.8	55.9	61.5	61.9	61.0
9/10/2015	11:42	47.5	47.8	47.2	57.9	58.1	57.6	57.9	58.1	57.6	64.9	65.2	64.5
9/10/2015	11:44	47.1	47.4	46.8	55.4	55.7	55.2	56.0	56.2	55.8	63.1	63.4	62.8
9/10/2015	11:46	51.4	51.7	50.9	55.1	55.4	54.8	57.2	57.5	56.9	59.2	59.5	58.9
9/10/2015	11:48	48.9	49.4	48.4	54.0	54.3	53.8	54.7	55.0	54.5	58.7	59.0	58.5
9/10/2015	11:50	47.9	48.2	47.8	53.1	53.4	52.8	53.8	54.0	53.4	57.8	58.0	57.4
9/10/2015	11:52	48.5	49.0	48.1	56.1	56.2	55.7	56.3	56.5	56.0	61.3	61.5	61.0
9/10/2015	11:54	48.2	48.6	47.8	57.8	58.2	57.5	58.0	58.4	57.6	63.2	63.6	62.9
9/10/2015	11:56	48.1	48.6	47.7	58.9	59.2	58.6	58.9	59.1	58.7	64.0	64.2	63.8
9/10/2015	11:58	47.5	48.0	47.1	57.0	57.3	56.7	56.5	56.8	56.2	62.7	63.1	62.3
9/10/2015	12:00	47.0	47.4	46.4	52.0	52.3	51.6	51.5	51.9	51.1	53.7	54.1	53.3
9/10/2015	12:02	48.5	49.1	48.1	53.4	53.7	53.0	51.9	52.3	51.6	58.4	58.7	58.1
9/10/2015	12:04	50.6	51.2	50.0	53.0	53.3	52.6	51.9	52.1	51.5	59.3	59.6	58.9
9/10/2015	12:06	47.2	47.7	46.8	52.5	52.9	52.1	50.7	51.1	50.3	59.2	59.5	58.8
9/10/2015	12:08	53.0	53.6	52.4	55.0	55.4	54.5	54.8	55.3	54.4	60.1	60.5	59.7
9/10/2015	12:10	45.5	45.8	45.3	53.2	53.7	52.8	52.4	52.8	51.9	59.8	60.1	59.5
9/10/2015	12:12	47.3	47.6	46.9	53.8	54.2	53.3	52.9	53.3	52.5	60.1	60.5	59.8
9/10/2015	12:14	46.2	46.5	45.9	50.2	50.7	49.8	50.0	50.7	49.3	56.7	57.2	56.4
9/10/2015	12:16	43.7	44.2	43.3	42.5	42.8	42.2	43.5	43.8	43.2	43.1	43.4	42.8
9/10/2015	12:18	42.9	43.4	42.4	43.8	44.2	43.5	45.7	46.0	45.3	45.9	46.5	45.3
9/10/2015	12:20	46.2	46.6	45.8	49.2	49.5	48.9	52.6	52.8	52.0	58.7	59.0	58.2
9/10/2015	12:22	45.4	45.7	45.0	51.3	51.6	50.9	55.9	56.2	55.6	62.2	62.4	62.0
9/10/2015	12:24	47.0	47.4	46.6	52.6	52.9	52.3	56.5	56.8	56.2	61.8	62.0	61.6
9/10/2015	12:26	50.6	51.3	49.9	56.3	56.8	55.7	55.5	56.1	54.9	61.4	61.9	60.8
9/10/2015	12:28	48.1	48.7	47.5	54.2	54.8	53.5	56.1	56.5	55.6	64.4	65.0	63.7
9/10/2015	12:30	45.1	45.5	44.7	51.6	52.0	51.3	55.1	55.5	54.8	61.0	61.3	60.7
9/10/2015	12:32	44.8	45.3	44.4	51.7	52.2	51.2	54.6	55.7	53.8	61.0	61.2	60.7
9/10/2015	12:34	43.2	43.6	42.8	50.9	51.3	50.5	55.4	55.7	55.0	62.3	62.7	61.9

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/10/2015	12:36	44.7	45.1	44.4	49.9	50.3	49.5	53.2	53.6	52.9	60.9	61.2	60.5
9/10/2015	12:38	45.1	45.6	44.8	50.6	50.9	50.2	55.4	55.7	55.1	61.6	61.8	61.3
9/10/2015	12:40	46.9	47.4	46.3	51.2	51.7	50.7	56.1	56.5	55.7	62.3	62.6	61.9
9/10/2015	12:42	46.7	47.2	46.3	53.2	53.6	52.8	57.2	57.6	56.7	64.0	64.3	63.7
9/10/2015	12:44	49.6	50.5	48.7	53.7	54.0	53.1	57.5	57.9	57.0	64.7	64.9	64.3
9/10/2015	12:46	48.7	49.3	48.3	54.1	54.7	53.7	56.9	57.5	56.6	65.3	65.8	64.8
9/10/2015	12:48	51.8	53.0	50.2	49.2	49.4	48.9	54.2	54.6	53.9	61.4	61.7	61.0
9/10/2015	12:50	46.4	47.0	46.0	47.2	47.7	46.6	47.6	48.2	47.3	51.3	52.1	50.5
9/10/2015	12:52	44.4	44.8	44.0	44.2	44.7	43.8	44.7	45.0	44.4	46.6	47.0	46.2
9/10/2015	12:54	41.4	41.7	40.9	39.6	39.8	39.3	41.8	42.0	41.7	42.0	42.3	41.7
9/10/2015	12:56	40.5	40.8	40.2	39.5	39.9	39.0	38.9	39.3	38.6	42.1	42.7	41.6
9/10/2015	12:58	45.6	46.1	45.0	47.4	47.7	46.9	50.1	50.3	49.6	57.7	58.0	57.2
9/10/2015	13:00	46.2	46.5	45.8	50.4	50.7	50.0	54.7	55.1	54.3	60.1	60.4	59.8
9/10/2015	13:02	46.1	46.5	45.7	51.0	51.3	50.5	55.6	56.0	55.2	61.5	61.8	61.1
9/10/2015	13:04	45.3	45.6	45.1	50.9	51.2	50.6	57.2	57.6	56.7	63.3	63.6	63.0
9/10/2015	13:06	45.0	45.3	44.7	51.2	51.5	50.8	57.2	57.7	56.8	63.9	64.2	63.6
9/10/2015	13:08	43.1	43.4	42.7	46.3	46.8	46.0	50.8	51.2	50.5	58.3	58.7	57.8
9/10/2015	13:10	42.3	42.7	41.9	41.1	41.6	40.6	43.5	44.1	43.0	42.4	42.9	42.0
9/10/2015	13:12	40.2	40.5	40.0	40.9	41.2	40.6	41.7	42.0	41.5	42.4	42.8	42.1
9/10/2015	13:14	42.1	42.5	41.7	41.8	42.3	41.4	41.4	41.9	40.9	42.4	42.9	42.1
9/10/2015	13:16	42.7	43.1	42.4	43.1	43.5	42.8	43.7	44.2	43.2	44.0	44.4	43.7
9/10/2015	13:18	45.7	46.1	45.3	52.1	52.4	51.7	56.6	57.1	56.0	62.9	63.3	62.4
9/10/2015	13:20	44.9	45.3	44.4	51.4	51.7	51.0	57.2	57.4	56.8	64.2	64.4	63.9
9/10/2015	13:22	45.8	46.6	45.1	53.6	53.9	53.2	58.2	58.7	57.9	65.1	65.3	64.8
9/10/2015	13:24	47.2	48.5	46.0	55.3	55.6	54.7	57.3	57.8	56.7	64.5	64.8	64.2
9/10/2015	13:26	44.1	44.7	43.8	55.3	55.9	55.0	57.5	58.0	57.2	65.4	65.7	65.2
9/10/2015	13:28	44.5	44.8	44.2	54.6	55.0	54.2	59.1	59.4	58.7	65.4	65.7	65.0
9/10/2015	13:30	42.1	42.4	41.9	51.7	52.0	51.1	59.1	59.4	58.8	66.4	66.7	66.1
9/10/2015	13:32	42.2	42.6	41.8	---	---	---	57.1	57.6	56.9	64.1	64.4	63.9
9/10/2015	13:34	45.4	45.7	45.0	---	---	---	50.0	50.3	49.6	57.0	57.2	56.6
9/10/2015	13:36	48.1	48.7	47.3	---	---	---	53.4	54.2	52.6	57.7	58.2	57.2
9/10/2015	13:38	46.7	47.2	46.1	---	---	---	51.8	52.4	51.0	57.9	58.7	57.1
9/10/2015	13:40	44.8	45.4	44.2	---	---	---	50.4	50.9	49.9	58.9	59.7	58.2
9/10/2015	13:42	45.1	45.6	44.6	---	---	---	51.7	52.3	51.0	56.8	57.3	56.3
9/10/2015	13:44	46.1	46.5	45.8	---	---	---	52.0	52.5	51.6	58.5	59.0	58.1
9/10/2015	13:46	48.2	48.9	47.5	50.5	51.8	49.4	52.0	52.6	51.3	59.3	59.7	59.0
9/10/2015	13:48	46.5	46.9	46.1	51.3	52.0	50.7	51.7	52.1	51.2	57.6	58.0	57.2
9/10/2015	13:50	43.0	43.4	42.7	43.7	44.1	43.3	44.7	45.4	44.0	45.6	46.0	45.3
9/10/2015	13:52	45.1	45.6	44.5	45.3	45.7	44.7	46.4	46.9	45.7	47.6	48.0	47.0
9/10/2015	13:54	44.0	44.4	43.6	46.2	46.6	45.7	47.5	48.2	47.0	46.5	47.0	46.0
9/10/2015	13:56	44.4	44.7	44.1	45.3	45.6	44.8	45.9	46.2	45.5	46.0	46.4	45.6
9/10/2015	13:58	44.0	44.3	43.7	45.4	45.7	45.1	45.6	45.8	45.3	46.8	46.9	46.3
9/10/2015	14:00	43.8	44.2	43.4	45.8	46.4	45.4	46.4	46.9	46.0	49.6	50.2	49.0
9/10/2015	14:02	38.8	39.1	38.6	39.3	39.7	38.9	42.6	43.0	42.1	43.3	44.0	42.7
9/10/2015	14:04	42.6	43.2	41.7	39.5	39.8	39.1	40.3	40.6	40.0	40.9	41.1	40.5
9/10/2015	14:06	43.5	44.3	42.8	41.8	42.3	41.4	42.1	42.6	41.6	42.7	43.0	42.3
9/10/2015	14:08	42.3	43.4	40.9	38.5	38.8	38.3	39.6	40.2	39.1	39.8	40.1	39.6
9/10/2015	14:10	41.1	41.8	40.4	38.5	39.0	38.0	41.2	43.2	39.4	40.2	40.7	39.8
9/10/2015	14:12	41.8	42.3	41.2	41.3	41.9	40.7	42.9	43.4	42.3	41.6	42.1	41.2
9/10/2015	14:14	42.5	43.4	41.8	40.8	41.0	40.4	42.0	42.2	41.8	42.2	42.5	42.0
9/10/2015	14:16	41.6	42.4	40.9	40.3	40.6	40.0	41.6	41.8	41.3	41.6	41.9	41.3
9/10/2015	14:18	41.7	42.1	41.4	40.5	40.9	40.2	41.8	42.0	41.6	42.0	42.3	41.7
9/10/2015	14:20	42.1	42.4	41.7	41.9	42.5	41.3	41.8	42.3	41.3	44.3	44.8	43.7
9/10/2015	14:22	45.5	46.0	45.0	42.5	42.9	42.0	43.1	43.5	42.5	45.3	45.7	44.8
9/10/2015	14:24	39.0	39.4	38.7	39.3	39.8	39.1	39.8	40.5	39.7	43.2	43.7	43.0
9/10/2015	14:26	42.5	42.8	42.2	43.1	43.6	42.6	44.3	44.7	43.8	45.6	46.0	45.0
9/10/2015	14:28	41.1	41.4	40.8	41.3	41.6	41.0	40.5	40.9	40.1	46.5	47.9	44.8
9/10/2015	14:30	41.1	41.5	40.7	40.6	41.0	40.2	42.5	43.1	41.8	42.9	43.3	42.6
9/10/2015	14:32	41.1	41.5	40.8	41.4	41.8	41.0	49.9	52.0	47.4	42.5	42.9	42.3
9/10/2015	14:34	44.7	45.1	44.3	43.7	44.5	42.9	53.3	54.7	51.7	42.9	43.1	42.6
9/10/2015	14:36	44.2	44.5	43.9	44.3	44.6	43.9	49.7	50.2	49.4	45.2	45.5	44.9
9/10/2015	14:38	44.3	44.6	44.0	44.0	44.3	43.7	42.8	43.1	42.4	44.7	45.0	44.3
9/10/2015	14:40	44.6	44.9	44.1	42.1	42.4	41.7	41.8	42.2	41.4	43.2	43.5	42.9
9/10/2015	14:42	44.5	46.0	43.7	41.5	41.9	41.2	43.1	43.5	42.7	43.2	43.4	42.8
9/10/2015	14:44	42.5	42.9	42.2	42.0	42.3	41.7	43.1	43.3	42.9	43.3	43.6	43.0
9/10/2015	14:46	43.5	43.9	43.2	41.5	41.9	41.1	42.5	42.8	42.3	42.1	42.5	41.8
9/10/2015	14:48	42.6	43.0	42.3	40.1	40.4	39.8	42.5	42.7	42.3	41.6	41.8	41.3

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/10/2015	14:50	43.0	43.6	42.6	40.3	40.8	39.8	42.9	43.5	42.3	47.7	48.7	46.7
9/10/2015	14:52	42.3	42.8	41.8	38.8	39.1	38.5	40.8	41.1	40.6	41.0	41.2	40.7
9/10/2015	14:54	38.6	39.0	38.3	37.9	38.3	37.5	41.3	41.5	41.1	40.1	40.4	39.8
9/10/2015	14:56	40.1	40.6	39.5	36.6	37.2	36.2	40.2	40.3	40.0	37.1	37.3	37.0
9/10/2015	14:58	43.6	44.0	43.0	39.1	39.4	38.8	37.2	37.5	37.0	37.8	38.0	37.6
9/10/2015	15:00	43.8	44.4	43.2	38.0	38.3	37.7	37.8	38.0	37.5	38.8	39.0	38.6
9/10/2015	15:02	42.6	43.2	42.0	40.9	41.5	40.2	43.2	43.9	42.4	48.3	49.4	46.9
9/10/2015	15:04	41.5	41.9	41.2	40.5	41.2	39.9	42.8	43.3	42.4	41.7	42.9	41.7
9/10/2015	15:06	41.6	41.9	41.3	41.1	41.5	40.7	40.7	40.8	40.5	40.3	40.9	39.9
9/10/2015	15:08	43.7	44.2	43.2	39.1	40.0	38.4	43.4	44.7	42.3	41.0	41.3	40.6
9/10/2015	15:10	38.3	38.6	38.0	38.4	39.2	37.8	41.3	41.5	41.1	40.3	40.9	40.0
9/10/2015	15:12	47.8	48.5	47.1	39.5	39.8	39.2	40.9	41.0	40.6	40.0	40.3	39.7
9/10/2015	15:14	40.9	41.2	40.6	40.6	41.2	40.1	42.1	42.6	41.7	41.8	42.5	41.3
9/10/2015	15:16	39.3	39.6	39.1	37.5	37.8	37.1	41.4	41.6	41.2	42.9	43.2	42.5
9/10/2015	15:18	38.9	39.2	38.6	40.1	40.6	39.3	48.5	49.8	47.2	39.6	39.9	39.4
9/10/2015	15:20	38.7	39.1	38.3	37.5	37.8	37.1	39.8	40.6	39.1	40.7	40.9	40.2
9/10/2015	15:22	48.6	48.8	48.5	38.9	39.3	38.4	43.3	44.5	42.2	41.1	41.5	40.8
9/10/2015	15:24	43.5	43.9	43.0	41.7	42.0	41.3	42.3	42.9	41.6	42.0	42.3	41.8
9/10/2015	15:26	43.3	43.6	43.1	39.3	39.6	39.0	41.5	41.8	41.1	39.7	40.0	39.4
9/10/2015	15:28	41.2	41.5	40.6	38.2	38.4	37.9	42.1	42.4	41.7	40.4	40.8	40.1
9/10/2015	15:30	42.7	43.2	42.1	42.2	43.2	41.2	45.0	45.8	44.0	49.9	51.1	48.4
9/10/2015	15:32	46.2	46.6	45.7	39.3	39.7	39.1	43.4	43.9	42.6	41.1	41.7	40.6
9/10/2015	15:34	44.6	45.1	44.3	38.9	39.2	38.8	42.7	43.6	42.1	40.1	40.4	39.8
9/10/2015	15:36	41.3	41.7	41.0	44.2	44.9	43.4	49.9	52.5	47.0	42.0	42.4	41.5
9/10/2015	15:38	42.2	42.6	41.8	37.5	38.0	37.4	37.8	38.3	37.6	41.0	41.3	40.9
9/10/2015	15:40	40.7	41.6	39.8	37.6	38.0	37.2	39.7	40.3	39.0	45.7	46.5	44.8
9/10/2015	15:42	47.2	47.7	46.6	40.2	40.7	39.7	43.1	43.8	42.5	41.2	41.6	40.9
9/10/2015	15:44	42.6	43.2	42.2	38.5	38.8	38.2	42.4	43.0	42.1	40.6	40.8	40.3
9/10/2015	15:46	42.5	42.8	42.2	39.4	39.8	39.1	42.4	43.1	41.7	40.2	40.6	39.9
9/10/2015	15:48	40.3	40.6	39.9	38.4	38.7	38.1	41.2	41.5	40.9	39.2	39.4	38.9
9/10/2015	15:50	42.6	43.1	41.9	40.1	40.5	39.8	42.5	43.0	42.0	41.1	41.5	40.6
9/10/2015	15:52	41.6	42.0	41.2	38.0	38.2	37.8	39.0	39.4	38.7	38.9	39.2	38.7
9/10/2015	15:54	38.4	38.6	38.2	38.0	38.4	37.6	39.2	39.5	38.6	40.8	41.1	40.4
9/10/2015	15:56	40.2	40.5	39.9	38.8	39.1	38.6	38.4	38.9	38.1	39.8	40.1	39.6
9/10/2015	15:58	41.2	41.5	41.0	39.0	39.3	38.7	39.0	39.6	38.4	40.9	41.2	40.6
9/10/2015	16:00	38.5	38.9	38.3	38.0	38.7	37.5	40.9	41.3	40.6	39.5	39.7	39.3
9/10/2015	16:02	40.5	40.7	40.3	40.8	41.4	40.3	44.0	45.0	42.7	39.6	39.9	39.3
9/10/2015	16:04	42.9	43.4	42.4	42.6	43.1	42.0	44.8	45.3	44.3	43.3	43.7	43.0
9/10/2015	16:06	38.3	38.5	38.1	39.3	39.6	38.9	41.6	42.0	41.2	39.7	39.9	39.5
9/10/2015	16:08	38.8	39.1	38.5	37.7	38.0	37.4	42.1	42.5	41.8	39.9	40.1	39.7
9/10/2015	16:10	38.1	38.4	37.8	36.8	37.3	36.3	40.7	41.9	39.6	39.2	39.5	38.9
9/10/2015	16:12	39.9	40.2	39.6	37.9	38.3	37.5	40.9	42.0	39.7	40.3	40.8	39.9
9/10/2015	16:14	40.5	41.5	39.8	40.6	41.1	40.1	42.6	43.5	41.7	41.6	42.1	41.3
9/10/2015	16:16	41.2	41.6	40.7	39.5	40.5	38.4	47.9	50.2	45.1	41.4	42.2	40.7
9/10/2015	16:18	37.9	38.2	37.7	37.9	38.4	37.5	41.8	42.0	41.4	40.9	41.3	40.5
9/10/2015	16:20	38.7	38.9	38.3	36.7	36.9	36.5	40.9	41.0	40.7	39.2	39.4	39.0
9/10/2015	16:22	41.7	42.1	41.3	40.7	40.9	40.4	44.6	44.8	44.3	42.6	42.8	42.2
9/10/2015	16:24	41.3	41.6	41.0	41.6	41.9	41.3	43.8	44.1	43.6	43.2	43.5	42.9
9/10/2015	16:26	40.3	41.0	39.7	39.6	39.9	39.3	40.5	40.8	40.3	40.1	40.4	39.9
9/10/2015	16:28	39.3	40.3	38.1	33.9	34.2	33.6	34.1	34.4	33.7	37.6	37.8	37.4
9/10/2015	16:30	37.1	37.6	36.6	41.0	41.1	40.8	48.4	48.6	48.2	42.0	42.2	41.7
9/11/2015	7:00	47.7	48.0	47.6	50.5	50.8	50.4	52.6	52.7	52.5	53.4	53.6	53.3
9/11/2015	7:02	49.0	49.8	48.0	52.3	54.3	50.6	54.9	56.5	53.1	55.7	57.4	54.4
9/11/2015	7:04	46.8	47.1	46.5	47.4	47.7	47.1	49.1	49.4	48.8	50.6	50.7	50.5
9/11/2015	7:06	48.6	49.1	48.1	47.0	47.3	46.7	49.2	49.8	48.7	51.1	51.2	51.0
9/11/2015	7:08	51.1	51.8	50.3	60.8	61.0	58.5	57.8	58.7	56.5	55.1	55.2	54.7
9/11/2015	7:10	49.6	50.2	49.1	60.3	61.6	60.6	53.7	55.0	52.7	58.8	59.1	58.6
9/11/2015	7:12	50.6	51.9	49.5	48.8	49.0	48.6	49.6	50.0	49.4	61.1	61.3	60.9
9/11/2015	7:14	52.8	54.3	51.0	49.2	49.5	48.7	50.6	51.1	50.0	59.2	59.5	58.9
9/11/2015	7:16	52.5	54.4	50.5	48.9	49.4	48.4	51.6	52.2	50.9	61.8	62.1	61.3
9/11/2015	7:18	47.4	48.9	45.7	48.7	49.1	48.1	52.4	52.9	51.6	61.7	62.1	61.4
9/11/2015	7:20	56.4	57.6	55.1	49.6	50.1	49.2	54.4	55.1	53.6	62.5	62.9	62.1
9/11/2015	7:22	49.6	51.7	47.8	46.4	46.8	46.0	49.7	49.9	49.4	58.8	59.2	58.5
9/11/2015	7:24	50.4	52.4	48.0	45.3	45.6	44.9	46.9	47.3	46.3	60.6	61.0	60.2
9/11/2015	7:26	54.5	56.5	52.4	47.4	47.6	47.1	53.3	53.4	53.0	61.9	62.2	61.7
9/11/2015	7:28	49.1	50.8	46.9	47.9	48.4	47.5	53.2	53.6	52.9	61.6	62.1	61.2
9/11/2015	7:30	41.3	42.4	40.1	48.7	49.0	48.4	55.1	56.0	54.5	60.3	60.6	60.1

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/11/2015	7:32	42.7	43.5	41.8	46.2	46.5	45.9	49.9	50.0	49.5	60.1	60.3	59.9
9/11/2015	7:34	44.7	46.2	43.1	46.4	46.6	46.1	50.2	50.7	50.1	62.5	62.9	61.9
9/11/2015	7:36	51.9	53.7	49.8	47.2	47.5	46.9	52.8	53.1	52.6	61.2	61.6	60.8
9/11/2015	7:38	47.6	49.3	46.0	47.8	48.0	47.3	53.9	54.0	53.5	59.8	60.1	59.5
9/11/2015	7:40	50.5	51.7	49.4	50.3	50.7	50.1	53.7	54.0	53.5	60.8	61.0	60.6
9/11/2015	7:42	47.8	48.8	47.0	49.2	49.6	48.8	55.1	55.7	54.5	66.8	67.4	66.1
9/11/2015	7:44	49.9	51.5	48.1	47.3	47.8	46.8	51.3	52.0	50.6	66.2	66.9	65.5
9/11/2015	7:46	49.8	50.6	49.0	49.9	50.3	49.5	51.1	51.4	50.6	62.4	63.2	61.7
9/11/2015	7:48	50.2	51.2	49.1	53.7	53.9	53.5	54.4	54.6	54.1	60.6	60.7	60.4
9/11/2015	7:50	50.4	52.0	48.5	49.8	50.2	49.6	52.4	52.7	52.2	58.8	59.1	58.7
9/11/2015	7:52	50.1	51.5	48.4	46.6	47.1	46.2	48.4	48.9	48.1	65.5	66.2	64.7
9/11/2015	7:54	52.4	54.1	50.7	48.3	48.7	47.8	51.9	52.2	51.6	64.0	64.7	63.3
9/11/2015	7:56	48.8	50.4	46.8	49.0	49.4	48.5	52.9	53.3	52.6	59.9	60.1	59.7
9/11/2015	7:58	48.4	49.3	47.2	50.6	50.7	50.1	50.3	50.6	49.9	57.8	58.0	57.5
9/11/2015	8:00	53.2	53.8	52.6	58.6	59.0	58.1	57.1	57.6	56.6	60.0	60.2	59.8
9/11/2015	8:02	47.0	47.4	46.7	54.1	54.3	53.8	53.9	54.2	53.6	61.6	61.8	61.2
9/11/2015	8:04	46.8	47.5	46.2	54.0	54.3	53.7	54.3	54.6	53.9	61.8	62.2	61.5
9/11/2015	8:06	47.3	48.1	46.1	51.5	51.9	51.1	52.2	52.5	51.8	58.2	58.5	57.9
9/11/2015	8:08	47.3	48.2	45.9	52.2	52.7	51.6	53.5	54.2	52.8	59.8	60.3	59.2
9/11/2015	8:10	49.5	50.6	48.3	47.9	48.7	47.5	49.4	50.0	48.9	57.8	58.7	57.0
9/11/2015	8:12	45.7	47.5	44.3	50.4	50.9	49.9	51.9	52.4	51.5	59.3	59.9	58.6
9/11/2015	8:14	44.5	45.6	43.5	44.9	45.4	44.4	47.8	48.6	47.0	57.3	57.8	56.7
9/11/2015	8:16	44.3	45.4	43.0	43.9	44.5	43.1	43.7	44.2	43.2	51.1	52.0	50.4
9/11/2015	8:18	46.8	48.2	45.3	44.4	45.0	43.8	45.9	46.2	45.6	45.1	45.4	44.8
9/11/2015	8:20	43.7	44.6	42.5	43.1	43.5	42.6	45.6	45.8	45.4	45.2	45.4	44.9
9/11/2015	8:22	45.2	46.3	44.2	45.7	46.4	45.0	47.8	48.3	47.3	52.4	53.4	51.3
9/11/2015	8:24	43.4	44.0	42.9	41.8	42.2	41.4	43.7	44.1	43.4	44.5	45.0	44.0
9/11/2015	8:26	44.0	44.6	43.3	48.5	49.0	47.7	50.2	50.5	49.4	58.1	58.6	57.4
9/11/2015	8:28	44.2	44.7	43.7	53.8	54.4	53.3	55.5	56.1	54.9	48.8	49.4	48.4
9/11/2015	8:30	46.6	47.2	46.0	46.2	46.8	45.6	48.4	48.9	47.8	50.2	50.7	49.5
9/11/2015	8:32	44.8	45.6	44.1	47.1	47.5	46.5	48.9	49.4	48.4	48.9	49.5	48.4
9/11/2015	8:34	48.8	49.5	48.3	45.0	45.3	44.7	46.8	47.1	46.5	44.0	44.2	43.6
9/11/2015	8:36	49.3	50.1	48.4	47.3	47.7	46.9	49.0	49.5	48.5	46.7	47.1	46.3
9/11/2015	8:38	49.9	50.6	49.2	48.2	48.6	47.6	51.5	52.1	50.8	49.7	50.2	49.1
9/11/2015	8:40	53.8	54.4	53.2	52.5	53.0	52.1	53.7	54.2	53.3	51.3	51.7	50.7
9/11/2015	8:42	47.5	49.4	45.7	43.6	44.1	43.1	44.2	44.6	43.7	47.5	48.2	47.1
9/11/2015	8:44	44.9	45.3	44.3	41.7	42.0	41.3	43.0	43.3	42.7	43.7	44.0	43.4
9/11/2015	8:46	51.3	52.2	50.3	42.6	43.1	42.1	44.1	44.5	43.5	42.7	43.0	42.4
9/11/2015	8:48	45.6	46.3	44.8	42.3	42.7	42.0	44.1	44.5	43.7	45.0	45.3	44.7
9/11/2015	8:50	44.1	44.6	43.6	43.6	44.1	43.2	45.2	45.6	44.7	45.7	46.1	45.3
9/11/2015	8:52	46.7	47.8	45.1	43.4	43.9	42.9	45.4	45.9	44.9	44.3	44.7	43.8
9/11/2015	8:54	50.3	51.2	49.5	49.8	50.5	49.0	49.4	50.0	48.8	50.2	50.9	49.4
9/11/2015	8:56	45.7	47.2	44.4	41.9	42.2	41.5	44.8	45.1	44.6	47.9	48.2	47.6
9/11/2015	8:58	52.0	54.0	49.7	44.3	45.0	43.6	46.9	47.4	46.4	45.0	45.3	44.6
9/11/2015	9:00	52.4	54.4	49.8	40.7	41.2	40.3	47.9	49.5	45.6	45.2	46.1	44.1
9/11/2015	9:02	49.5	51.4	46.9	41.1	41.5	40.8	43.4	44.3	43.4	45.0	45.5	44.7
9/11/2015	9:04	45.4	46.8	43.8	42.7	43.2	42.3	45.3	45.8	44.8	45.5	46.3	44.9
9/11/2015	9:06	45.2	46.9	43.5	39.8	40.2	39.5	41.0	41.3	40.7	42.8	43.0	42.4
9/11/2015	9:08	52.2	53.6	50.8	45.9	46.3	45.4	46.8	47.3	46.2	48.7	49.2	48.1
9/11/2015	9:10	51.7	53.2	50.3	47.2	47.8	46.6	45.5	46.1	45.0	44.4	44.8	44.0
9/11/2015	9:12	49.9	51.6	47.9	42.5	43.0	42.0	43.2	43.7	42.8	43.3	43.6	43.0
9/11/2015	9:14	46.7	48.4	44.8	41.4	41.8	41.0	42.8	43.1	42.4	43.8	44.0	43.5
9/11/2015	9:16	44.3	45.8	43.1	45.0	45.7	44.4	43.0	43.7	42.5	43.8	44.3	43.4
9/11/2015	9:18	50.7	52.2	49.2	34.4	34.7	34.2	34.1	34.3	33.9	39.0	39.5	38.6
9/11/2015	9:20	46.4	48.1	44.7	35.3	35.6	35.0	34.9	35.1	34.7	39.4	39.6	39.2
9/11/2015	9:22	44.9	45.7	44.0	42.5	43.0	41.9	43.6	44.1	42.8	43.9	44.5	43.2
9/11/2015	9:24	46.5	47.1	45.8	44.3	44.8	43.7	47.3	47.8	46.8	44.7	45.2	44.2
9/11/2015	9:26	48.1	49.7	46.7	44.5	45.1	43.9	47.0	47.3	46.6	47.5	47.9	47.1
9/11/2015	9:28	48.4	50.0	46.6	44.4	44.8	44.0	46.1	46.3	45.9	47.0	47.3	46.8
9/11/2015	9:30	46.2	46.8	45.6	44.2	44.6	43.8	46.9	47.2	46.6	46.0	46.4	45.8
9/11/2015	9:32	49.3	50.3	48.6	49.3	49.6	49.0	49.9	50.2	49.6	50.6	50.9	50.3
9/11/2015	9:34	49.4	49.8	49.1	50.0	50.4	49.7	50.8	51.2	50.5	55.4	55.8	54.8
9/11/2015	9:36	46.2	46.5	45.8	49.7	50.0	49.2	50.7	50.9	50.2	57.2	57.8	56.4
9/11/2015	9:38	47.8	48.4	47.3	49.9	50.4	49.3	51.5	52.1	51.0	50.4	50.8	49.9
9/11/2015	9:40	47.2	47.6	46.7	48.6	49.0	48.2	50.5	51.0	50.2	47.8	48.2	47.5
9/11/2015	9:42	50.6	52.3	48.6	61.5	61.6	59.8	60.0	60.8	59.1	57.6	58.1	57.2
9/11/2015	9:44	47.1	47.7	46.4	63.5	64.4	63.4	58.3	58.8	58.0	51.8	52.2	51.5

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/11/2015	9:46	47.4	48.0	46.7	54.9	55.3	54.4	55.1	55.5	54.7	48.0	48.3	47.7
9/11/2015	9:48	48.3	50.1	46.5	58.8	59.2	58.2	59.0	59.4	58.3	51.0	51.2	50.6
9/11/2015	9:50	44.5	45.9	43.4	54.5	55.2	54.4	54.9	55.5	54.9	49.2	49.6	49.0
9/11/2015	9:52	45.4	46.4	44.4	57.1	57.5	56.7	57.7	58.1	57.3	51.9	52.2	51.6
9/11/2015	9:54	46.3	48.1	44.6	53.3	53.6	53.1	56.4	56.6	56.2	61.9	62.0	61.6
9/11/2015	9:56	42.2	43.2	41.1	43.7	44.2	43.5	42.4	42.9	42.3	62.0	62.4	61.6
9/11/2015	9:58	39.1	39.8	38.3	57.2	57.6	56.8	58.7	59.1	58.1	63.7	64.3	63.3
9/11/2015	10:00	41.0	41.8	40.4	56.8	57.3	56.3	56.8	57.5	56.3	50.1	50.5	49.7
9/11/2015	10:02	44.1	44.7	43.4	57.5	57.9	57.0	57.8	58.1	57.3	51.4	51.6	50.9
9/11/2015	10:04	47.8	48.3	47.3	54.5	54.9	54.3	57.1	57.4	56.9	65.7	65.9	65.4
9/11/2015	10:06	47.2	48.1	46.2	57.8	58.2	57.3	59.0	59.5	58.5	64.0	64.5	63.5
9/11/2015	10:08	49.8	50.9	48.6	55.3	55.6	55.0	57.4	57.9	57.1	55.4	55.6	54.8
9/11/2015	10:10	47.3	47.9	46.6	52.3	52.6	52.0	54.7	55.0	54.3	66.5	66.8	66.1
9/11/2015	10:12	48.3	48.9	47.7	59.1	59.4	58.8	61.0	61.3	60.7	60.8	61.3	60.8
9/11/2015	10:14	47.7	48.6	46.7	49.2	49.6	48.9	50.7	51.1	50.4	62.1	62.5	61.8
9/11/2015	10:16	47.6	48.5	46.8	46.6	47.1	46.2	47.4	47.9	47.0	57.9	58.5	57.3
9/11/2015	10:18	44.4	45.1	43.7	45.7	46.1	45.4	47.6	48.0	47.3	58.6	59.2	57.9
9/11/2015	10:20	44.8	45.3	44.3	46.2	46.5	45.9	47.0	47.3	46.7	55.8	56.1	55.5
9/11/2015	10:22	50.9	53.0	48.8	43.5	43.8	43.1	45.3	45.7	44.9	48.8	49.2	48.4
9/11/2015	10:24	47.7	49.1	45.5	40.9	41.1	40.7	41.4	41.6	41.2	44.4	44.6	44.1
9/11/2015	10:26	44.4	45.4	42.9	47.5	49.3	45.7	48.4	50.2	46.5	46.3	47.2	45.5
9/11/2015	10:28	47.6	48.0	47.1	45.9	46.4	45.4	46.3	46.8	45.7	47.5	48.1	47.0
9/11/2015	10:30	44.7	45.0	44.3	44.4	44.7	44.0	46.9	47.3	46.3	48.0	48.6	47.3
9/11/2015	10:32	48.0	48.4	47.4	46.8	47.2	46.4	49.5	49.9	49.0	47.0	47.3	46.6
9/11/2015	10:34	48.5	49.0	48.1	44.8	45.2	44.4	48.0	48.3	47.6	46.7	47.0	46.3
9/11/2015	10:36	47.7	47.9	47.4	43.7	44.0	43.4	47.4	47.7	47.1	49.5	49.7	49.2
9/11/2015	10:38	47.7	48.2	47.4	47.0	47.4	46.5	48.2	48.6	47.8	51.2	51.5	50.9
9/11/2015	10:40	43.9	45.1	43.1	44.8	45.3	44.3	45.6	46.1	45.2	50.9	51.1	50.7
9/11/2015	10:42	44.2	45.1	43.5	44.9	46.3	43.3	48.1	49.8	46.4	51.7	52.4	50.8
9/11/2015	10:44	41.7	42.1	41.3	41.9	42.1	41.6	43.9	44.2	43.5	46.4	46.8	46.3
9/11/2015	10:46	41.8	42.1	41.4	40.8	41.0	40.6	42.5	42.8	42.1	42.0	42.2	41.8
9/11/2015	10:48	42.4	42.7	42.0	42.2	42.7	41.6	44.2	44.4	43.9	42.7	43.0	42.5
9/11/2015	10:50	39.5	39.8	39.3	39.8	40.1	39.6	43.4	43.6	43.2	41.8	42.0	41.6
9/11/2015	10:52	42.8	43.1	42.3	40.6	40.8	40.4	43.9	44.1	43.7	42.5	42.7	42.2
9/11/2015	10:54	46.0	46.5	45.5	43.2	43.5	42.9	47.0	47.8	46.2	44.8	45.1	44.6
9/11/2015	10:56	45.1	45.7	44.5	41.9	42.1	41.7	45.2	45.4	45.0	44.5	44.7	44.3
9/11/2015	10:58	43.7	44.3	43.1	43.0	43.2	42.7	46.8	47.3	46.3	48.8	49.3	48.1
9/11/2015	11:00	50.3	51.8	48.7	44.6	45.1	44.1	45.9	46.3	45.5	46.7	47.3	46.4
9/11/2015	11:02	50.7	51.9	49.5	47.8	48.3	47.1	47.5	48.0	47.1	46.0	46.4	45.6
9/11/2015	11:04	46.3	46.7	45.9	47.3	47.7	46.9	48.4	48.8	47.8	46.9	47.3	46.4
9/11/2015	11:06	48.7	49.3	48.2	47.3	47.9	46.7	49.8	50.4	49.1	49.2	49.8	48.6
9/11/2015	11:08	45.5	46.0	44.8	45.5	45.8	45.0	51.3	53.1	49.6	46.8	47.2	46.3
9/11/2015	11:10	46.8	47.4	46.2	48.9	50.4	47.8	48.7	49.1	48.4	47.8	48.2	47.5
9/11/2015	11:12	45.7	46.3	45.1	48.5	50.2	46.6	47.1	47.4	46.9	46.6	46.8	46.2
9/11/2015	11:14	45.1	46.1	44.1	43.1	43.4	42.8	46.4	46.6	46.1	48.1	48.7	47.6
9/11/2015	11:16	45.5	46.5	44.4	44.5	44.8	44.2	47.5	48.1	47.0	50.7	51.3	50.0
9/11/2015	11:18	46.1	47.0	45.1	53.2	53.6	52.6	57.7	58.1	57.1	63.1	63.4	62.8
9/11/2015	11:20	47.1	47.8	46.4	56.2	56.6	55.7	58.9	59.5	58.4	56.7	57.5	56.3
9/11/2015	11:22	46.3	46.9	45.6	56.9	57.1	56.6	60.2	60.4	60.0	50.6	51.0	50.2
9/11/2015	11:24	46.5	47.2	45.9	55.1	55.3	55.0	58.3	58.4	58.2	50.1	50.2	49.9
9/11/2015	11:26	46.6	47.4	45.5	55.1	55.2	55.0	58.3	58.4	58.2	50.4	50.6	50.1
9/11/2015	11:28	47.8	48.8	47.1	55.9	56.1	55.7	58.8	58.9	58.7	51.1	51.4	50.8
9/11/2015	11:30	49.2	49.5	48.5	60.9	61.6	60.1	60.2	60.6	59.7	59.7	60.0	59.3
9/11/2015	11:32	53.3	53.9	52.7	53.2	53.7	52.7	56.2	56.7	55.7	60.8	61.5	60.1
9/11/2015	11:34	49.4	50.0	48.9	54.0	54.6	53.3	54.5	54.9	54.0	64.2	64.7	63.6
9/11/2015	11:36	43.8	44.8	43.0	49.0	49.6	48.7	54.0	54.9	53.3	53.7	54.5	53.6
9/11/2015	11:38	43.9	44.7	43.1	42.6	43.1	42.1	45.0	45.3	44.5	44.5	44.8	44.1
9/11/2015	11:40	45.3	46.0	44.6	47.0	47.4	46.6	48.9	49.3	48.3	46.5	47.0	46.0
9/11/2015	11:42	45.3	45.7	44.8	44.2	44.6	43.9	46.2	46.5	45.8	48.9	49.6	48.2
9/11/2015	11:44	47.3	47.9	46.9	47.4	48.1	46.7	48.2	49.0	47.4	46.8	47.7	46.1
9/11/2015	11:46	43.2	44.3	41.7	40.4	40.8	39.9	41.6	41.9	41.3	45.1	45.6	44.7
9/11/2015	11:48	43.6	44.1	43.1	43.7	44.3	43.3	44.8	45.3	44.4	46.5	47.0	46.0
9/11/2015	11:50	49.1	49.5	48.4	53.5	54.1	52.6	54.9	55.9	53.5	59.0	60.0	57.9
9/11/2015	11:52	50.4	50.9	49.9	54.5	55.4	53.7	56.3	57.2	55.3	60.9	62.0	59.8
9/11/2015	11:54	49.7	50.2	49.3	51.5	52.0	51.0	54.0	54.7	53.3	60.0	61.0	59.0
9/11/2015	11:56	49.3	50.1	48.4	49.5	50.0	49.1	50.9	51.3	50.5	53.9	54.6	53.2
9/11/2015	11:58	50.4	51.1	49.7	50.7	51.0	50.3	52.0	52.3	51.6	53.8	54.2	53.2

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/11/2015	12:00	50.6	51.3	50.0	57.2	57.4	56.8	57.5	57.8	57.1	60.4	60.4	59.9
9/11/2015	12:02	50.1	50.4	49.7	54.9	55.2	54.8	52.7	53.1	52.5	62.4	62.7	62.3
9/11/2015	12:04	50.6	51.2	49.9	55.2	55.4	54.9	53.8	54.2	53.3	61.7	62.4	61.0
9/11/2015	12:06	49.6	50.0	49.3	51.9	52.5	51.4	52.0	52.4	51.6	61.5	62.1	60.7
9/11/2015	12:08	49.1	49.6	48.7	60.4	61.1	59.7	58.0	58.4	57.5	61.0	61.6	60.5
9/11/2015	12:10	48.5	48.8	48.0	53.1	53.4	52.8	54.5	54.9	54.4	59.9	60.3	59.6
9/11/2015	12:12	48.6	48.9	48.3	51.0	51.4	50.7	51.1	51.4	50.8	54.8	55.1	54.5
9/11/2015	12:14	48.9	49.3	48.5	50.2	50.6	49.8	50.8	51.1	50.5	59.7	60.7	58.6
9/11/2015	12:16	48.1	48.5	47.7	52.1	52.5	51.6	53.3	53.8	52.6	56.4	57.1	55.7
9/11/2015	12:18	48.7	49.1	48.4	52.1	52.5	51.8	53.6	54.0	53.3	54.9	55.5	54.3
9/11/2015	12:20	49.4	49.6	49.1	48.9	49.2	48.6	49.2	49.6	48.9	48.6	49.1	48.1
9/11/2015	12:22	47.3	47.7	46.9	47.7	48.1	47.4	48.4	48.7	48.1	47.7	48.0	47.4
9/11/2015	12:24	48.4	48.9	48.0	48.0	48.3	47.6	48.4	48.8	48.0	48.5	48.9	47.9
9/11/2015	12:26	47.1	47.5	46.8	49.4	49.9	48.9	49.5	50.0	49.0	52.4	53.5	51.4
9/11/2015	12:28	45.2	45.5	44.8	47.5	48.2	46.7	47.0	47.2	46.6	47.7	48.1	47.3
9/11/2015	12:30	47.8	48.1	47.3	48.7	49.2	48.2	49.7	50.2	49.3	49.9	50.5	49.1
9/11/2015	12:32	46.9	47.4	46.6	49.1	49.8	48.4	49.8	50.2	49.4	50.1	50.6	49.6
9/11/2015	12:34	47.1	47.5	46.6	49.0	49.4	48.5	51.7	52.1	51.2	52.7	53.1	52.0
9/11/2015	12:36	47.2	47.6	46.8	50.6	51.1	50.1	50.9	51.4	50.5	52.1	52.8	51.6
9/11/2015	12:38	45.9	46.2	45.5	47.0	47.4	46.6	48.6	48.9	48.1	48.8	49.1	48.5
9/11/2015	12:40	48.2	48.6	47.7	51.6	52.2	51.0	52.7	53.4	52.1	60.3	61.7	59.0
9/11/2015	12:42	50.3	50.7	49.8	51.3	51.7	50.9	52.9	53.4	52.3	56.1	56.7	55.5
9/11/2015	12:44	56.7	57.2	56.1	48.8	49.1	48.4	51.3	51.8	50.9	53.5	54.3	52.7
9/11/2015	12:46	48.8	49.1	48.4	50.1	50.4	49.8	50.5	50.8	50.2	49.5	49.8	49.1
9/11/2015	12:48	50.0	50.4	48.9	49.0	49.3	48.7	48.5	48.8	48.2	50.0	50.8	49.2
9/11/2015	12:50	47.8	48.8	47.7	49.1	49.5	48.7	50.5	51.0	50.0	50.9	52.2	49.7
9/11/2015	12:52	48.2	48.6	47.5	50.8	51.2	50.2	50.8	51.1	50.4	51.1	51.3	50.6
9/11/2015	12:54	48.9	49.6	48.5	49.4	49.9	49.1	50.9	51.3	50.5	57.9	58.2	56.2
9/11/2015	12:56	47.5	47.9	47.1	50.8	51.2	50.4	52.5	53.0	51.9	62.9	64.4	61.7
9/11/2015	12:58	47.3	47.8	46.6	47.0	47.4	46.7	49.2	49.7	48.9	48.3	48.7	47.9
9/11/2015	13:00	48.3	48.8	47.8	50.7	51.1	50.2	50.7	51.2	50.3	50.9	51.3	50.4
9/11/2015	13:02	47.1	47.3	46.6	48.6	48.9	48.3	48.8	49.0	48.5	49.7	50.1	49.4
9/11/2015	13:04	48.9	49.3	48.6	49.7	50.0	49.3	49.9	50.2	49.6	56.7	57.0	56.3
9/11/2015	13:06	49.8	50.2	49.4	51.6	52.0	51.1	51.6	52.0	51.1	58.3	58.9	57.8
9/11/2015	13:08	46.7	47.1	46.2	48.7	49.1	48.2	50.0	50.4	49.5	57.1	57.8	56.3
9/11/2015	13:10	49.0	49.5	48.6	50.5	51.0	50.0	49.7	50.1	49.2	56.0	56.8	55.0
9/11/2015	13:12	46.9	47.2	46.6	50.2	50.6	49.9	50.3	50.6	49.9	61.4	61.7	61.1
9/11/2015	13:14	48.0	48.4	47.6	59.6	60.0	59.2	64.0	64.4	63.1	61.2	62.0	60.5
9/11/2015	13:16	48.9	49.5	48.4	59.4	59.8	59.1	61.3	61.9	61.1	63.1	64.4	61.5
9/11/2015	13:18	48.6	49.0	48.2	57.7	58.2	57.2	60.6	61.6	60.1	54.4	54.9	54.1
9/11/2015	13:20	48.1	48.4	47.7	58.1	58.5	57.7	59.7	60.3	59.1	53.9	54.5	53.5
9/11/2015	13:22	44.1	44.4	43.9	61.3	61.7	60.7	63.1	63.4	62.6	55.4	55.8	55.1
9/11/2015	13:24	47.6	47.8	47.2	62.0	62.5	61.7	64.3	64.9	63.8	55.8	56.3	55.3
9/11/2015	13:26	45.9	46.3	45.7	47.8	48.0	47.6	48.7	48.9	48.3	51.8	52.2	51.3
9/11/2015	13:28	48.9	49.5	48.4	49.8	50.1	49.5	48.6	49.0	48.2	48.1	48.4	47.8
9/11/2015	13:30	48.2	48.7	47.7	48.9	49.4	48.4	48.8	49.4	48.4	54.1	54.7	53.5
9/11/2015	13:32	47.4	48.5	46.4	46.8	47.3	46.2	48.8	49.4	47.9	56.1	57.1	55.0
9/11/2015	13:34	43.3	43.8	42.7	44.1	44.6	43.8	45.2	45.5	44.8	45.9	46.7	45.6
9/11/2015	13:36	40.0	40.7	39.6	45.7	46.2	45.2	49.1	49.5	48.7	53.6	54.0	53.1
9/11/2015	13:38	41.1	41.5	40.6	42.4	42.9	41.9	44.9	45.7	44.2	46.1	46.7	45.4
9/11/2015	13:40	42.5	42.9	41.9	44.2	44.6	43.6	46.8	47.1	46.1	54.6	55.0	54.1
9/11/2015	13:42	43.6	44.1	43.1	52.5	53.0	52.0	54.0	54.6	53.3	51.7	52.9	50.3
9/11/2015	13:44	40.9	41.2	40.6	41.6	41.8	41.3	41.3	41.7	41.1	43.5	43.8	43.2
9/11/2015	13:46	43.6	44.2	43.0	43.8	44.3	43.4	44.3	44.9	43.7	47.8	48.4	47.1
9/11/2015	13:48	46.2	46.5	45.9	49.8	50.4	49.3	49.8	50.2	49.3	52.5	53.1	51.8
9/11/2015	13:50	49.5	50.2	48.7	54.2	55.3	53.0	53.2	54.4	52.0	48.4	49.4	47.5
9/11/2015	13:52	52.4	53.5	51.3	52.5	53.6	51.4	53.9	55.1	52.7	50.4	51.3	49.4
9/11/2015	13:54	50.4	51.0	49.8	49.2	50.0	48.4	49.6	50.3	48.9	46.4	47.1	45.8
9/11/2015	13:56	46.6	47.1	46.2	47.5	48.1	47.1	48.8	49.2	48.2	55.3	56.1	54.3
9/11/2015	13:58	41.0	41.9	40.2	40.3	40.7	40.1	43.9	44.8	43.6	46.1	47.2	45.8
9/11/2015	14:00	42.8	43.2	42.3	40.3	40.6	39.9	38.9	39.3	38.5	40.7	41.0	40.3
9/11/2015	14:02	40.5	41.2	39.9	39.2	39.4	38.9	37.0	37.3	36.8	40.0	40.2	39.8
9/11/2015	14:04	47.2	47.6	46.8	42.8	43.1	42.5	38.9	39.2	38.7	41.0	41.4	40.7
9/11/2015	14:06	46.0	46.6	45.6	42.3	42.6	42.0	42.0	42.3	41.6	41.2	41.5	40.9
9/11/2015	14:08	41.5	42.0	40.6	39.8	40.1	39.5	41.3	41.5	41.2	40.2	40.4	40.0
9/11/2015	14:10	42.7	43.8	42.0	40.6	40.8	40.3	41.8	42.0	41.7	41.0	41.2	40.7
9/11/2015	14:12	62.3	62.8	61.5	61.7	62.1	61.1	60.0	60.5	59.3	60.6	61.2	59.8

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/11/2015	14:14	55.2	56.2	55.2	53.4	54.5	53.4	53.8	54.6	53.8	55.7	56.7	55.2
9/11/2015	14:16	41.8	42.6	41.0	40.4	40.6	40.2	41.7	41.9	41.6	40.4	40.7	40.1
9/11/2015	14:18	40.5	40.8	40.2	41.7	41.9	41.4	43.0	43.3	42.7	42.9	43.2	42.5
9/11/2015	14:20	45.1	45.4	44.8	45.8	46.1	45.5	51.0	51.2	50.7	42.4	42.6	42.1
9/11/2015	14:22	44.4	44.8	44.0	44.2	44.5	43.9	51.4	51.5	51.2	42.9	43.3	42.6
9/11/2015	14:24	43.4	43.9	43.0	42.8	43.3	42.3	51.1	51.2	51.0	41.9	42.3	41.4
9/11/2015	14:26	46.1	46.7	45.5	43.7	44.1	43.4	49.7	51.5	47.2	42.2	42.7	41.7
9/11/2015	14:28	41.4	41.8	41.1	39.6	39.9	39.3	43.8	45.3	42.5	42.3	42.7	42.1
9/11/2015	14:30	40.0	40.5	39.5	39.6	39.9	39.3	---	---	---	40.0	40.3	39.7
9/11/2015	14:32	40.9	41.3	40.6	41.7	42.0	41.4	---	---	---	43.2	43.6	42.7
9/11/2015	14:34	43.9	44.9	42.8	42.7	43.0	42.4	---	---	---	43.8	44.2	43.3
9/11/2015	14:36	43.1	43.8	42.4	46.2	46.9	45.5	---	---	---	43.0	43.3	42.7
9/11/2015	14:38	46.3	46.7	45.8	47.0	47.4	46.6	---	---	---	49.3	50.3	48.2
9/11/2015	14:40	49.1	49.5	48.8	46.2	46.5	46.0	---	---	---	43.8	44.5	43.2
9/11/2015	14:42	52.4	52.9	51.7	51.9	52.6	51.1	---	---	---	50.4	50.9	49.6
9/11/2015	14:44	61.0	61.9	60.0	58.4	59.3	57.6	---	---	---	57.9	58.7	56.9
9/11/2015	14:46	51.4	52.4	50.7	52.4	53.4	51.4	---	---	---	50.6	51.5	50.0
9/11/2015	14:48	45.2	45.8	44.8	43.0	43.3	42.8	---	---	---	43.6	44.0	43.2
9/11/2015	14:50	43.2	43.7	42.7	43.4	43.6	43.0	---	---	---	44.5	44.8	44.2
9/11/2015	14:52	46.2	46.6	45.8	44.4	44.7	44.1	---	---	---	43.4	43.7	43.1
9/11/2015	14:54	43.8	44.1	43.6	43.6	43.8	43.4	---	---	---	43.9	44.2	43.7
9/11/2015	14:56	46.6	46.9	46.2	44.9	45.2	44.6	---	---	---	43.6	43.9	43.4
9/11/2015	14:58	46.4	46.7	46.1	45.3	45.6	45.1	22.1	22.5	22.3	43.5	43.8	43.2
9/11/2015	15:00	43.7	44.0	43.4	44.5	44.7	44.2	51.6	54.1	49.5	44.0	44.3	43.8
9/11/2015	15:02	45.2	46.2	44.4	43.8	44.6	43.1	44.5	45.0	44.0	44.6	45.3	43.9
9/11/2015	15:04	44.8	45.2	44.3	---	---	---	44.8	45.4	44.2	43.6	43.8	43.2
9/11/2015	15:06	44.4	44.9	43.9	---	---	---	46.4	48.5	43.6	43.0	43.4	42.6
9/11/2015	15:08	42.8	43.2	42.4	---	---	---	42.8	44.0	41.4	43.0	43.4	42.6
9/11/2015	15:10	45.6	46.0	45.2	---	---	---	44.3	44.7	43.9	43.8	44.1	43.6
9/11/2015	15:12	46.0	47.5	44.3	---	---	---	43.4	43.8	43.1	42.9	43.1	42.5
9/11/2015	15:14	44.7	45.0	44.3	---	---	---	44.2	44.5	43.9	44.8	45.4	44.3
9/11/2015	15:16	44.5	44.8	44.0	---	---	---	44.0	44.3	43.6	43.0	43.4	42.5
9/11/2015	15:18	50.9	51.4	50.2	---	---	---	46.0	46.7	45.4	43.9	44.2	43.7
9/11/2015	15:20	44.3	44.5	44.1	---	---	---	43.6	43.9	43.3	41.7	42.0	41.4
9/11/2015	15:22	42.4	42.7	42.2	48.3	50.6	46.2	42.9	43.6	42.3	40.6	40.8	40.3
9/11/2015	15:24	41.6	41.8	41.3	41.8	42.0	41.6	43.2	43.7	42.9	45.0	46.5	43.5
9/11/2015	15:26	40.9	41.2	40.6	41.9	42.1	41.5	42.2	42.5	41.9	35.4	36.1	34.7
9/11/2015	15:28	42.8	43.1	42.6	44.5	44.9	44.1	43.9	44.4	43.5	---	---	---
9/11/2015	15:30	42.5	43.0	42.0	41.3	41.6	41.0	42.5	42.7	42.2	---	---	---
9/11/2015	15:32	44.4	44.7	44.0	42.4	42.7	42.0	43.0	43.4	42.6	---	---	---
9/11/2015	15:34	43.4	43.9	42.9	45.0	45.2	44.6	45.6	46.0	45.1	---	---	---
9/11/2015	15:36	47.1	47.4	46.7	44.1	44.5	43.9	44.5	45.3	44.1	---	---	---
9/11/2015	15:38	44.6	45.0	44.2	43.4	43.6	43.2	43.1	43.5	42.7	---	---	---
9/11/2015	15:40	46.4	46.5	45.9	42.9	43.1	42.6	42.1	42.7	41.6	---	---	---
9/11/2015	15:42	47.3	47.7	47.1	43.8	44.2	43.5	43.0	43.3	42.7	---	---	---
9/11/2015	15:44	42.9	43.2	42.7	43.0	43.2	42.7	44.2	44.6	43.8	---	---	---
9/11/2015	15:46	40.9	41.3	40.5	42.2	42.4	41.9	43.5	43.8	43.1	---	---	---
9/11/2015	15:48	44.3	44.7	43.7	46.0	46.3	45.7	45.4	45.7	45.1	---	---	---
9/11/2015	15:50	43.2	43.6	42.9	41.3	41.6	41.0	42.3	42.6	42.0	---	---	---
9/11/2015	15:52	46.6	46.8	46.3	44.0	44.2	43.7	43.1	43.4	42.7	---	---	---
9/11/2015	15:54	44.9	45.5	44.3	42.6	43.0	42.3	44.0	44.4	43.6	---	---	---
9/11/2015	15:56	42.5	42.8	42.2	43.1	43.5	42.8	44.1	44.5	43.6	46.0	48.0	44.0
9/11/2015	15:58	42.4	43.2	41.8	42.0	42.3	41.8	43.4	43.7	43.1	45.0	45.6	44.3
9/11/2015	16:00	44.8	45.1	44.5	45.9	46.6	45.1	54.4	57.6	52.1	40.9	41.2	40.5
9/11/2015	16:02	42.1	43.0	41.1	39.8	40.0	39.6	40.9	41.0	40.7	40.2	40.4	40.1
9/11/2015	16:04	46.5	46.8	46.1	43.1	43.3	42.9	42.8	43.1	42.5	41.5	41.9	41.0
9/11/2015	16:06	42.0	42.6	41.5	39.7	39.9	39.4	41.5	41.6	41.2	39.9	40.1	39.6
9/11/2015	16:08	42.6	43.0	42.0	43.0	43.3	42.6	43.7	44.0	43.4	44.2	44.7	43.7
9/11/2015	16:10	42.5	42.8	42.2	43.4	43.6	43.1	44.5	45.0	44.0	42.9	43.3	42.5
9/11/2015	16:12	45.4	45.6	45.2	43.3	43.6	43.1	43.5	43.8	43.3	41.5	41.7	41.2
9/11/2015	16:14	42.8	43.1	42.5	43.6	43.9	43.3	43.5	43.8	43.3	42.8	43.1	42.6
9/11/2015	16:16	43.0	43.3	42.8	43.4	43.6	43.1	43.9	44.2	43.6	43.9	44.3	43.6
9/11/2015	16:18	45.1	45.3	44.8	44.1	44.4	43.8	43.7	44.1	43.4	42.1	42.4	41.8
9/11/2015	16:20	44.7	45.0	44.5	44.7	45.1	44.3	43.9	44.1	43.6	42.6	42.8	42.3
9/11/2015	16:22	45.7	46.0	45.4	45.6	45.9	45.3	52.0	53.8	50.5	43.3	43.6	43.0
9/11/2015	16:24	41.9	42.2	41.7	49.9	51.5	47.2	48.7	50.2	46.9	42.9	43.1	42.6
9/11/2015	16:26	44.0	44.2	43.7	42.4	42.7	42.1	40.9	41.2	40.7	47.8	49.7	46.2

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/11/2015	16:28	41.5	41.9	41.2	41.7	42.0	41.4	46.6	47.6	45.5	47.2	47.9	46.4
9/11/2015	16:30	45.2	45.4	44.8	41.1	41.3	40.8	39.7	40.1	39.4	48.3	49.3	47.2
9/12/2015	7:00	47.3	48.4	46.2	45.5	45.9	45.0	44.5	44.8	44.2	46.3	46.6	46.0
9/12/2015	7:02	50.0	51.8	48.1	44.1	44.7	43.7	44.5	45.1	43.9	45.6	46.2	45.1
9/12/2015	7:04	49.8	50.6	48.7	49.9	50.7	49.0	47.4	47.8	46.7	48.8	49.4	48.0
9/12/2015	7:06	52.8	53.9	51.8	45.5	45.9	45.1	46.5	47.1	46.2	48.6	49.0	48.2
9/12/2015	7:08	45.6	46.0	45.2	45.8	46.2	45.5	47.5	47.8	47.2	49.2	49.6	48.8
9/12/2015	7:10	48.9	50.5	47.5	46.2	46.7	45.5	46.5	47.1	45.8	45.6	46.0	45.2
9/12/2015	7:12	49.8	51.4	47.8	43.3	43.6	43.0	42.9	43.4	42.5	44.2	44.5	44.0
9/12/2015	7:14	52.3	54.1	50.2	44.2	44.7	43.7	43.0	43.3	42.7	42.5	42.8	42.2
9/12/2015	7:16	47.9	49.4	46.5	46.0	46.5	45.4	44.1	44.5	43.8	42.2	42.5	41.9
9/12/2015	7:18	51.6	53.2	49.7	45.9	46.5	45.3	47.0	47.5	46.4	47.4	47.9	46.9
9/12/2015	7:20	49.0	51.0	46.6	43.8	44.9	42.4	41.0	41.3	40.6	41.6	41.8	41.3
9/12/2015	7:22	50.8	52.2	49.4	42.9	43.5	42.4	42.9	43.4	42.5	42.9	43.3	42.5
9/12/2015	7:24	46.6	47.8	45.3	40.4	40.7	40.0	40.1	40.4	39.8	41.0	41.3	40.8
9/12/2015	7:26	47.0	48.3	45.7	43.2	43.8	42.5	44.5	45.1	43.9	42.3	42.6	41.9
9/12/2015	7:28	46.5	47.4	45.6	42.1	42.6	41.6	43.1	43.5	42.7	41.3	41.6	41.1
9/12/2015	7:30	46.7	48.0	45.4	42.3	42.9	41.8	42.6	43.0	42.3	40.7	41.0	40.4
9/12/2015	7:32	47.4	48.5	46.1	42.0	42.4	41.7	42.7	43.1	42.3	42.1	42.4	41.8
9/12/2015	7:34	46.2	47.5	44.8	42.2	43.0	41.5	41.6	42.0	41.3	41.0	41.3	40.8
9/12/2015	7:36	45.2	46.1	44.3	42.1	42.7	41.6	43.2	43.6	42.8	43.7	44.1	43.3
9/12/2015	7:38	42.1	42.8	41.6	42.1	42.7	41.3	42.3	42.9	41.7	42.1	42.4	41.8
9/12/2015	7:40	45.3	46.4	44.1	42.9	43.5	42.5	43.5	44.0	42.9	43.1	43.4	42.8
9/12/2015	7:42	46.0	46.8	45.1	41.1	41.5	40.7	42.5	43.0	42.1	41.7	41.9	41.4
9/12/2015	7:44	48.4	50.1	45.5	39.6	40.4	38.8	39.2	40.0	38.6	42.6	43.8	41.5
9/12/2015	7:46	48.6	50.9	46.7	42.2	43.0	41.3	40.9	41.1	40.3	43.9	44.5	43.4
9/12/2015	7:48	45.6	46.1	45.2	45.6	46.2	44.9	45.5	46.2	45.0	47.3	48.0	46.8
9/12/2015	7:50	42.1	42.6	41.6	44.0	44.9	43.0	44.6	45.4	43.8	40.7	41.2	40.3
9/12/2015	7:52	43.2	44.0	42.3	45.4	46.8	44.0	42.8	43.2	42.5	41.3	41.6	41.0
9/12/2015	7:54	42.0	42.7	41.5	41.8	42.4	41.2	42.6	42.9	42.2	41.5	41.9	41.2
9/12/2015	7:56	42.6	43.4	41.9	41.6	42.6	40.5	41.0	42.2	40.3	40.0	40.4	39.7
9/12/2015	7:58	45.3	46.6	43.8	41.0	41.6	40.3	42.2	43.1	41.2	41.3	41.6	40.9
9/12/2015	8:00	48.4	50.2	46.3	39.9	40.7	39.2	42.1	43.0	41.1	41.1	41.6	40.5
9/12/2015	8:02	47.1	48.2	45.8	45.0	45.2	44.6	47.1	47.4	46.6	47.8	48.2	47.4
9/12/2015	8:04	50.4	50.9	50.0	50.8	51.7	49.9	54.6	56.1	53.2	51.7	52.6	50.7
9/12/2015	8:06	47.8	49.0	46.9	42.8	43.6	42.1	42.9	43.7	42.1	44.4	44.9	44.0
9/12/2015	8:08	47.3	47.8	46.9	42.2	42.8	41.6	43.6	44.2	42.9	43.4	44.6	42.3
9/12/2015	8:10	40.0	40.5	39.5	45.4	47.4	43.3	37.9	38.6	37.3	45.1	46.8	43.2
9/12/2015	8:12	41.5	42.0	40.9	40.4	41.1	39.6	40.5	40.6	39.8	41.2	41.3	40.9
9/12/2015	8:14	52.2	53.1	51.3	44.5	45.9	43.4	45.7	47.0	44.8	52.3	55.0	49.2
9/12/2015	8:16	45.1	46.0	44.3	53.4	55.2	51.7	48.1	49.2	46.9	49.9	51.7	46.8
9/12/2015	8:18	43.4	44.2	42.6	50.1	51.1	48.7	47.1	48.0	45.7	44.1	45.0	42.9
9/12/2015	8:20	44.3	45.0	43.4	51.4	52.7	50.1	46.8	47.3	46.2	45.0	45.6	44.5
9/12/2015	8:22	53.9	54.3	53.6	43.2	44.1	42.0	43.8	44.5	42.8	41.5	41.7	41.2
9/12/2015	8:24	46.2	47.1	45.3	45.1	46.2	43.8	44.7	45.5	44.0	44.2	44.8	43.7
9/12/2015	8:26	44.0	45.5	42.4	41.8	42.5	41.1	43.7	44.6	42.9	42.3	42.6	42.0
9/12/2015	8:28	41.1	41.9	40.4	41.7	42.5	40.9	45.7	46.7	44.7	43.3	43.7	42.8
9/12/2015	8:30	42.7	43.3	42.1	42.7	43.8	41.9	46.8	47.9	45.7	44.1	44.5	43.6
9/12/2015	8:32	44.4	45.1	43.5	42.3	42.9	41.7	43.1	44.0	42.3	42.1	42.4	41.7
9/12/2015	8:34	49.6	50.5	48.8	44.4	44.9	43.8	46.1	46.7	45.4	43.9	44.3	43.5
9/12/2015	8:36	47.1	48.5	45.5	42.8	43.3	42.4	45.6	46.2	45.0	42.9	43.6	42.3
9/12/2015	8:38	52.4	54.6	49.3	40.6	41.0	39.9	42.3	42.9	41.5	40.7	41.1	40.4
9/12/2015	8:40	45.0	46.0	44.2	42.0	42.9	41.4	42.8	43.4	42.3	41.4	41.7	41.2
9/12/2015	8:42	45.8	46.3	44.8	41.0	41.5	40.3	41.8	42.7	40.9	40.9	41.2	40.5
9/12/2015	8:44	53.4	55.1	51.8	44.3	44.6	43.9	45.1	45.5	44.7	43.4	43.8	42.9
9/12/2015	8:46	52.9	54.5	51.1	44.6	44.8	44.4	47.4	47.9	47.0	42.7	43.0	42.5
9/12/2015	8:48	42.9	43.3	42.7	42.9	43.3	42.7	45.7	45.9	45.6	41.5	41.7	41.3
9/12/2015	8:50	42.9	43.5	42.3	42.9	44.2	41.6	42.4	42.8	42.0	43.5	44.1	42.6
9/12/2015	8:52	49.3	49.8	48.7	41.8	42.4	41.4	44.2	44.6	43.8	43.1	43.6	42.8
9/12/2015	8:54	42.7	43.4	42.1	45.7	46.6	44.3	46.1	46.7	45.4	47.6	49.0	46.0
9/12/2015	8:56	50.7	51.5	50.0	49.4	50.7	48.1	46.2	46.6	45.7	43.0	43.4	42.6
9/12/2015	8:58	49.4	50.2	48.4	41.8	42.2	41.5	45.3	45.6	45.0	44.0	44.7	43.4
9/12/2015	9:00	55.6	56.3	54.9	57.8	58.6	56.6	57.6	58.5	56.9	57.6	59.0	56.4
9/12/2015	9:02	52.1	52.7	51.3	47.5	48.0	46.8	50.2	50.7	49.6	44.3	44.7	43.9
9/12/2015	9:04	48.5	49.3	47.8	42.3	42.8	41.8	44.5	45.3	43.8	43.0	43.3	42.7
9/12/2015	9:06	43.6	44.3	42.9	44.8	45.5	44.0	42.0	42.7	41.3	41.7	42.0	41.4
9/12/2015	9:08	50.9	51.6	49.9	42.6	43.1	42.1	40.7	41.5	39.9	39.9	40.1	39.6

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/12/2015	9:10	45.6	46.7	44.3	47.0	48.1	45.8	49.2	50.8	46.9	43.7	44.6	42.6
9/12/2015	9:12	42.3	43.6	41.1	42.0	42.7	41.3	41.6	42.2	41.1	39.5	39.7	39.1
9/12/2015	9:14	46.0	46.9	45.0	46.3	46.9	45.5	48.4	48.9	47.8	44.3	44.7	43.8
9/12/2015	9:16	44.2	45.1	43.3	42.9	43.7	42.2	45.1	45.8	44.7	40.1	40.5	39.9
9/12/2015	9:18	46.2	46.9	45.4	44.3	44.7	43.8	46.7	47.1	46.3	43.6	44.0	43.2
9/12/2015	9:20	46.5	47.2	45.8	43.6	44.1	43.3	47.4	48.0	46.8	41.9	42.3	41.6
9/12/2015	9:22	45.7	46.1	45.2	43.6	43.9	43.2	46.2	46.7	45.6	42.6	42.9	42.3
9/12/2015	9:24	50.4	52.0	48.9	45.0	45.5	44.5	44.0	44.6	43.4	43.9	44.3	43.4
9/12/2015	9:26	49.3	50.8	47.5	42.6	43.0	42.2	42.6	43.0	42.1	42.1	42.5	41.7
9/12/2015	9:28	48.0	49.3	46.7	41.6	42.1	41.1	41.5	42.0	41.0	39.8	40.2	39.4
9/12/2015	9:30	45.3	46.0	44.4	44.3	45.0	43.6	43.7	44.1	43.0	42.0	42.4	41.5
9/12/2015	9:32	48.0	48.5	47.2	47.1	47.6	46.6	49.4	49.6	48.6	46.8	47.2	46.3
9/12/2015	9:34	46.1	46.9	45.7	42.4	43.3	42.2	46.0	47.1	45.9	40.7	41.4	40.6
9/12/2015	9:36	44.1	44.9	43.2	42.3	42.9	41.7	44.3	44.7	43.8	41.8	42.2	41.3
9/12/2015	9:38	48.1	48.8	47.3	43.8	44.3	43.5	46.2	46.6	45.8	44.7	45.2	44.3
9/12/2015	9:40	46.6	47.1	46.0	43.7	44.0	43.2	47.6	48.1	46.8	45.2	45.8	44.5
9/12/2015	9:42	51.0	51.5	50.4	44.1	44.5	43.8	45.6	46.3	45.5	42.7	43.3	42.2
9/12/2015	9:44	45.2	45.8	44.6	45.4	46.3	44.4	47.1	48.3	46.2	44.2	44.7	43.8
9/12/2015	9:46	45.9	46.8	44.9	43.0	43.9	42.3	42.5	43.0	41.9	41.7	41.9	41.5
9/12/2015	9:48	48.0	48.8	47.2	45.5	46.0	44.6	41.6	42.3	41.1	41.9	42.2	41.7
9/12/2015	9:50	44.9	45.3	44.4	43.3	43.8	43.0	42.4	42.7	42.1	42.9	43.3	42.5
9/12/2015	9:52	49.6	50.2	49.0	49.3	49.8	48.6	52.5	53.3	51.7	50.8	51.4	50.2
9/12/2015	9:54	49.2	49.6	48.6	44.9	45.4	44.4	46.7	47.2	46.3	44.6	45.1	44.0
9/12/2015	9:56	46.8	47.6	46.0	42.4	43.0	41.8	42.8	43.1	42.6	41.4	41.7	41.1
9/12/2015	9:58	48.3	49.2	47.3	42.3	42.7	41.8	43.7	44.0	43.4	41.8	42.2	41.3
9/12/2015	10:00	48.6	49.8	47.4	41.7	42.3	41.1	43.2	43.4	42.9	41.6	41.9	41.3
9/12/2015	10:02	50.3	52.0	48.4	40.5	41.5	39.7	39.6	40.2	39.3	38.9	39.1	38.7
9/12/2015	10:04	48.0	49.9	46.0	44.7	45.8	43.4	41.7	42.3	41.1	42.0	42.4	41.5
9/12/2015	10:06	46.3	48.0	44.3	47.9	49.6	45.9	41.4	42.5	40.4	46.2	47.7	44.5
9/12/2015	10:08	43.9	44.7	42.9	48.6	50.4	46.4	42.7	43.1	42.1	45.0	46.1	43.9
9/12/2015	10:10	46.2	46.7	45.4	48.3	50.3	46.7	45.0	45.7	44.4	42.4	42.8	42.0
9/12/2015	10:12	49.3	50.1	48.4	43.6	44.5	42.8	42.2	42.5	41.9	40.5	40.8	40.3
9/12/2015	10:14	46.2	47.0	45.5	52.2	54.7	48.4	45.4	46.1	44.6	45.7	46.6	44.6
9/12/2015	10:16	44.2	45.0	43.3	54.6	57.3	51.3	43.3	44.5	42.1	39.4	39.6	39.3
9/12/2015	10:18	43.9	44.7	43.0	40.7	41.2	40.2	44.1	44.9	43.1	40.6	40.9	40.2
9/12/2015	10:20	43.1	43.9	42.4	40.2	40.7	39.8	45.2	46.8	43.9	40.5	40.9	40.2
9/12/2015	10:22	41.5	42.1	40.9	39.6	39.9	39.4	42.1	42.4	41.9	39.9	40.1	39.7
9/12/2015	10:24	48.8	49.8	47.7	42.0	42.5	41.4	42.6	42.9	42.3	41.3	41.7	41.0
9/12/2015	10:26	55.6	55.6	54.8	52.4	52.7	51.9	54.6	55.1	54.2	52.4	53.0	51.9
9/12/2015	10:28	59.2	60.0	58.7	47.9	48.6	47.4	47.8	48.4	47.1	53.5	54.4	52.0
9/12/2015	10:30	50.5	51.1	49.7	49.4	50.3	48.3	53.2	54.3	52.0	47.3	48.4	46.5
9/12/2015	10:32	48.6	49.0	48.2	50.3	50.7	50.0	53.4	53.8	52.9	52.2	52.6	51.7
9/12/2015	10:34	49.0	50.3	47.8	45.2	45.7	44.8	47.4	47.8	47.0	44.2	44.6	43.9
9/12/2015	10:36	49.8	50.8	48.6	44.3	44.8	43.8	46.0	46.5	45.4	41.8	42.1	41.4
9/12/2015	10:38	48.3	49.6	47.0	41.1	41.7	40.6	43.2	43.5	43.0	40.9	41.3	40.5
9/12/2015	10:40	60.6	61.2	60.0	49.2	49.6	48.8	50.5	50.9	50.0	45.6	46.0	45.2
9/12/2015	10:42	45.9	46.4	45.4	42.0	42.4	41.6	45.6	46.6	44.6	40.8	41.1	40.6
9/12/2015	10:44	44.7	45.5	43.8	41.4	41.8	41.0	42.9	43.2	42.7	42.0	42.4	41.6
9/12/2015	10:46	45.7	46.5	44.4	40.8	41.4	40.2	43.5	44.4	42.8	39.8	40.0	39.5
9/12/2015	10:48	48.5	50.1	47.0	46.0	46.4	45.5	48.9	49.4	48.4	48.9	49.3	48.4
9/12/2015	10:50	45.3	46.0	44.6	42.2	42.6	41.9	45.1	45.8	44.6	42.1	42.4	41.9
9/12/2015	10:52	44.1	44.6	43.6	39.9	40.2	39.6	38.2	38.7	37.7	39.7	39.9	39.4
9/12/2015	10:54	43.6	44.3	42.9	42.1	42.5	41.5	43.1	44.1	42.0	44.5	45.3	43.8
9/12/2015	10:56	53.2	53.9	52.5	44.1	44.5	43.6	46.0	46.7	45.4	44.8	45.3	44.2
9/12/2015	10:58	46.5	46.9	46.2	45.2	45.6	44.7	45.5	46.2	44.9	43.6	44.1	43.3
9/12/2015	11:00	43.1	43.5	42.8	42.8	43.2	42.4	43.8	44.1	43.5	42.5	42.8	42.1
9/12/2015	11:02	51.8	52.7	49.0	43.8	44.6	42.9	43.8	44.3	43.4	41.3	41.5	41.0
9/12/2015	11:04	50.3	51.4	49.7	45.9	46.3	45.4	47.4	48.0	46.9	46.7	47.1	46.3
9/12/2015	11:06	52.5	53.5	51.5	49.5	50.8	48.0	49.1	50.3	48.0	44.8	45.6	44.1
9/12/2015	11:08	46.6	47.0	46.0	43.9	44.2	43.5	44.4	44.7	44.2	43.4	43.7	43.1
9/12/2015	11:10	46.0	46.5	45.7	43.2	43.5	42.7	44.4	44.8	43.9	42.7	43.1	42.3
9/12/2015	11:12	54.3	54.6	53.4	47.6	48.2	47.0	49.9	50.5	49.1	48.2	48.8	47.6
9/12/2015	11:14	46.1	48.4	46.7	43.7	44.0	43.3	44.5	44.8	44.2	44.0	44.4	43.6
9/12/2015	11:16	44.3	44.7	43.9	43.1	43.4	42.7	44.3	44.6	44.0	42.6	42.9	42.3
9/12/2015	11:18	44.4	44.7	44.1	45.6	47.2	44.2	43.9	44.2	43.6	42.4	42.7	42.1
9/12/2015	11:20	52.1	52.8	51.4	48.1	48.8	47.3	49.8	50.6	49.0	49.2	50.1	48.3
9/12/2015	11:22	50.6	50.7	50.1	47.4	47.7	47.0	48.7	49.0	48.4	48.3	48.7	47.8

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/12/2015	11:24	55.9	56.4	55.4	44.9	45.4	44.4	42.2	42.4	41.9	44.0	44.3	43.8
9/12/2015	11:26	47.2	47.6	46.8	46.0	46.5	45.6	44.5	44.9	44.0	46.1	46.5	45.6
9/12/2015	11:28	47.1	47.6	46.6	44.8	45.1	44.5	44.2	44.5	43.8	45.1	45.4	44.8
9/12/2015	11:30	49.1	49.7	48.5	43.7	44.0	43.5	44.0	44.2	43.8	43.6	43.9	43.3
9/12/2015	11:32	49.4	50.4	48.3	45.2	45.4	44.9	44.6	44.7	44.3	45.4	45.6	45.0
9/12/2015	11:34	51.5	52.1	51.0	52.8	53.3	52.3	55.2	55.9	54.6	54.6	55.3	54.0
9/12/2015	11:36	54.3	54.6	53.9	46.4	46.6	46.0	46.6	46.7	46.0	43.5	43.7	43.3
9/12/2015	11:38	48.9	49.4	48.5	48.2	48.6	47.8	47.7	48.2	47.5	47.6	47.9	47.3
9/12/2015	11:40	46.4	46.7	46.0	46.2	46.5	46.0	43.7	44.0	43.5	44.8	45.1	44.6
9/12/2015	11:42	48.6	49.1	48.2	47.7	48.1	47.1	45.5	45.9	44.9	46.1	46.4	45.5
9/12/2015	11:44	49.3	50.0	48.5	48.8	49.6	48.1	46.5	47.1	46.0	47.3	48.1	46.7
9/12/2015	11:46	49.0	49.8	48.4	44.7	45.0	44.4	46.1	46.5	45.7	46.2	46.5	45.8
9/12/2015	11:48	48.0	48.7	47.4	45.9	46.3	45.5	44.4	44.7	44.2	42.7	42.9	42.4
9/12/2015	11:50	49.2	49.8	48.7	44.1	44.5	43.7	45.1	45.5	44.7	42.3	42.6	42.0
9/12/2015	11:52	47.7	48.1	47.3	45.4	45.8	45.0	44.6	44.9	44.3	43.1	43.4	42.8
9/12/2015	11:54	49.3	49.7	48.9	49.5	49.9	49.0	48.0	48.3	47.6	49.4	49.8	48.9
9/12/2015	11:56	49.2	49.7	48.6	46.6	46.9	46.1	47.2	47.7	46.7	46.7	47.2	46.0
9/12/2015	11:58	47.9	48.6	47.4	46.6	47.2	46.1	46.6	47.2	46.1	46.9	47.5	46.4
9/12/2015	12:00	47.0	47.4	46.6	45.5	45.7	45.2	43.3	43.5	43.1	43.4	43.6	43.1
9/12/2015	12:02	46.4	46.7	46.0	46.9	47.5	46.4	43.7	44.2	43.2	43.1	43.3	42.9
9/12/2015	12:04	48.4	48.8	48.0	46.4	46.8	46.1	42.9	43.3	42.6	43.7	44.2	43.2
9/12/2015	12:06	47.6	47.8	46.7	45.1	45.5	44.8	44.5	44.7	44.3	43.4	43.8	43.1
9/12/2015	12:08	49.3	50.1	49.0	43.7	44.1	43.4	44.3	44.5	44.0	43.3	43.7	42.9
9/12/2015	12:10	48.0	48.9	47.1	42.4	42.6	42.1	42.8	42.9	42.6	42.0	42.2	41.8
9/12/2015	12:12	50.3	51.1	49.4	42.6	42.9	42.3	44.0	44.2	43.7	42.3	42.7	42.0
9/12/2015	12:14	47.2	47.7	46.5	43.0	43.3	42.8	43.6	43.9	43.4	42.4	42.6	42.2
9/12/2015	12:16	47.3	47.9	46.7	44.6	44.9	44.3	44.2	44.5	43.9	44.2	44.5	43.9
9/12/2015	12:18	50.5	51.0	50.0	49.4	50.0	48.6	49.3	50.0	48.6	50.7	51.4	49.9
9/12/2015	12:20	49.3	49.9	48.8	45.4	45.7	45.1	45.0	45.3	44.7	44.5	44.8	44.2
9/12/2015	12:22	49.7	50.4	48.9	44.9	45.4	44.4	44.8	45.3	44.4	46.6	47.4	45.7
9/12/2015	12:24	48.8	49.4	48.1	42.6	42.9	42.3	42.6	42.8	42.4	41.5	41.7	41.2
9/12/2015	12:26	48.9	49.6	48.1	45.2	45.5	44.8	46.3	46.7	45.9	46.8	47.5	45.9
9/12/2015	12:28	53.0	53.5	52.3	44.4	44.7	43.8	44.3	44.6	43.8	43.2	43.6	42.8
9/12/2015	12:30	48.0	48.6	47.4	45.3	46.0	45.0	47.0	47.6	46.3	46.2	46.8	45.7
9/12/2015	12:32	47.8	48.4	47.1	44.7	45.2	44.1	44.7	45.3	44.2	46.1	46.5	45.5
9/12/2015	12:34	51.4	52.0	50.9	47.5	47.9	47.0	47.3	47.8	46.8	47.2	47.8	46.6
9/12/2015	12:36	46.5	47.4	45.5	43.2	43.6	42.8	44.1	44.6	43.6	46.7	47.9	45.4
9/12/2015	12:38	50.3	51.3	49.3	43.6	43.8	43.4	44.2	44.5	44.0	42.8	43.1	42.6
9/12/2015	12:40	50.2	50.6	49.7	50.8	51.3	50.3	52.4	53.1	51.6	51.6	52.1	50.9
9/12/2015	12:42	46.3	46.8	46.0	45.1	45.7	44.8	44.6	45.1	44.2	44.6	45.2	44.1
9/12/2015	12:44	49.0	49.5	48.3	47.3	48.1	46.5	47.9	48.6	47.0	49.1	50.0	47.8
9/12/2015	12:46	57.8	58.6	57.0	47.0	47.4	46.7	46.7	47.2	46.4	44.5	44.9	44.3
9/12/2015	12:48	45.7	46.4	44.9	44.0	44.4	43.5	43.2	43.4	43.0	42.8	43.3	42.4
9/12/2015	12:50	47.0	47.3	46.6	45.1	45.4	44.7	44.2	44.6	43.9	44.2	44.6	43.8
9/12/2015	12:52	45.9	46.2	45.6	44.1	44.4	43.9	43.3	43.5	43.1	43.6	43.9	43.3
9/12/2015	12:54	52.1	53.1	51.2	43.1	43.5	42.7	44.1	44.7	43.5	41.0	41.3	40.8
9/12/2015	12:56	50.5	51.3	49.7	43.6	44.1	43.2	45.1	45.5	44.5	45.5	46.0	44.8
9/12/2015	12:58	44.8	45.3	44.4	43.0	43.4	42.7	43.4	43.8	43.1	44.6	45.2	44.2
9/12/2015	13:00	49.8	50.2	49.1	49.6	50.4	48.6	51.1	52.0	50.1	47.3	48.2	46.4
9/12/2015	13:02	45.4	46.0	44.9	43.9	44.3	43.5	43.5	44.1	43.2	42.7	43.2	42.3
9/12/2015	13:04	48.2	48.8	47.5	45.5	45.8	45.1	46.2	46.6	45.7	44.6	45.0	44.2
9/12/2015	13:06	46.9	47.5	46.4	44.8	45.4	44.3	44.3	44.7	43.9	44.4	44.9	43.8
9/12/2015	13:08	45.8	46.6	44.9	42.7	43.0	42.4	43.3	43.6	43.0	42.9	43.2	42.7
9/12/2015	13:10	45.5	46.0	45.0	43.7	44.0	43.4	43.8	44.1	43.5	43.0	43.2	42.7
9/12/2015	13:12	45.7	46.3	45.2	45.0	45.4	44.6	46.2	46.5	45.7	43.9	44.1	43.3
9/12/2015	13:14	47.7	48.0	47.2	50.7	51.3	50.2	52.7	53.3	51.9	53.3	53.9	52.7
9/12/2015	13:16	49.2	49.7	48.8	48.2	48.5	47.9	48.8	49.4	48.3	49.5	50.1	48.9
9/12/2015	13:18	45.7	46.2	45.2	44.8	45.1	44.5	44.1	44.4	43.6	43.7	44.2	43.3
9/12/2015	13:20	44.6	45.0	44.2	43.3	43.7	42.9	43.4	43.7	43.0	43.4	43.9	42.9
9/12/2015	13:22	47.6	48.2	47.1	47.5	48.0	47.1	48.7	49.2	48.2	49.8	50.4	49.2
9/12/2015	13:24	43.1	43.4	42.7	41.1	41.4	40.9	43.0	43.2	42.8	41.3	41.5	41.1
9/12/2015	13:26	46.0	47.1	44.8	40.1	40.4	39.8	41.4	41.6	41.2	40.4	40.7	40.1
9/12/2015	13:28	45.6	46.5	44.7	41.2	41.5	40.9	41.4	41.6	41.3	41.4	41.7	41.1
9/12/2015	13:30	43.6	44.2	43.1	42.2	42.3	41.8	42.6	42.9	42.2	42.1	42.4	41.7
9/12/2015	13:32	46.7	47.3	46.0	45.7	46.1	45.4	43.7	44.1	43.4	43.6	44.1	43.1
9/12/2015	13:34	51.6	52.4	50.8	49.0	49.5	48.4	49.6	50.2	48.9	50.7	51.5	49.7
9/12/2015	13:36	48.7	49.1	48.3	47.2	47.7	46.8	48.1	48.7	47.6	49.7	50.3	49.3

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/12/2015	13:38	50.7	51.3	50.0	42.7	43.0	42.4	43.7	44.4	42.9	40.3	40.5	40.0
9/12/2015	13:40	51.1	51.9	50.4	40.2	40.5	40.0	41.1	41.3	41.0	40.2	40.4	40.0
9/12/2015	13:42	56.1	56.9	55.1	48.1	49.0	47.0	50.5	51.5	49.2	43.3	43.9	42.7
9/12/2015	13:44	44.5	44.9	44.2	42.1	42.4	41.9	42.2	42.4	42.1	41.9	42.2	41.7
9/12/2015	13:46	45.2	45.6	44.7	42.2	42.5	41.9	42.3	42.6	42.1	42.8	43.3	42.4
9/12/2015	13:48	43.3	43.7	43.1	41.9	42.2	41.7	41.5	41.7	41.3	41.4	41.7	41.1
9/12/2015	13:50	42.5	42.8	42.3	40.0	40.2	39.8	41.1	41.3	41.0	40.1	40.2	39.9
9/12/2015	13:52	42.1	42.3	41.9	40.4	40.6	40.2	41.2	41.4	41.0	40.4	40.6	40.2
9/12/2015	13:54	45.2	45.8	44.2	42.3	42.6	42.0	42.2	42.4	41.9	40.7	41.0	40.5
9/12/2015	13:56	42.6	43.5	42.5	40.9	41.0	40.5	42.0	42.2	41.8	40.9	41.1	40.6
9/12/2015	13:58	50.4	51.2	49.7	50.3	50.9	49.6	52.4	52.9	51.8	50.1	50.4	49.7
9/12/2015	14:00	43.3	43.6	43.0	44.9	45.3	44.6	46.0	46.4	45.6	46.2	46.8	45.7
9/12/2015	14:02	44.7	45.2	44.3	42.9	43.2	42.6	42.3	42.5	42.1	42.2	42.6	41.9
9/12/2015	14:04	46.5	47.0	46.0	45.9	46.5	45.4	47.3	47.9	46.7	46.7	47.4	46.0
9/12/2015	14:06	45.7	46.3	45.0	46.2	46.8	45.5	45.0	45.4	44.5	45.5	46.2	44.8
9/12/2015	14:08	49.0	49.3	48.3	48.0	48.3	47.5	48.0	48.2	47.4	46.4	46.8	46.0
9/12/2015	14:10	50.3	50.7	49.9	52.1	52.8	51.4	52.4	53.0	52.0	54.6	55.2	53.9
9/12/2015	14:12	45.7	46.0	45.4	46.3	47.0	45.7	44.5	45.1	44.0	44.9	45.5	44.3
9/12/2015	14:14	48.3	49.1	47.5	44.2	44.7	43.7	44.6	45.0	44.1	45.1	45.5	44.6
9/12/2015	14:16	45.1	46.0	44.1	42.6	43.0	42.3	42.9	43.2	42.6	44.3	44.9	43.9
9/12/2015	14:18	45.7	46.5	44.8	42.7	43.0	42.4	43.0	43.3	42.7	42.4	42.7	42.0
9/12/2015	14:20	43.5	44.0	42.9	41.2	41.4	40.9	42.1	42.3	41.9	40.6	40.9	40.3
9/12/2015	14:22	45.1	45.7	44.5	42.2	42.4	41.9	42.7	43.0	42.5	42.0	42.3	41.6
9/12/2015	14:24	53.3	53.8	52.7	43.9	44.0	43.4	44.3	44.4	43.8	41.8	42.0	41.4
9/12/2015	14:26	48.2	48.8	47.6	47.4	48.2	46.8	49.3	50.0	48.7	49.9	50.7	48.9
9/12/2015	14:28	46.1	46.7	45.3	40.9	41.3	40.5	42.5	42.8	42.2	40.6	41.1	40.2
9/12/2015	14:30	44.8	45.5	44.2	46.1	46.7	45.6	49.3	49.9	48.6	50.0	50.7	49.2
9/12/2015	14:32	49.2	49.4	47.5	44.3	44.9	43.7	45.6	46.3	44.8	44.9	45.3	44.4
9/12/2015	14:34	49.2	50.5	48.9	44.3	45.0	43.5	46.0	46.8	45.2	45.2	46.1	44.3
9/12/2015	14:36	43.4	43.9	42.8	41.7	42.3	41.1	43.1	43.6	42.5	42.5	43.2	41.9
9/12/2015	14:38	52.4	53.5	51.4	42.3	42.8	41.7	43.3	43.7	42.6	41.2	41.7	40.5
9/12/2015	14:40	49.9	50.9	48.7	45.5	46.0	45.0	47.5	48.1	47.0	47.7	48.6	46.9
9/12/2015	14:42	47.4	48.3	46.3	49.4	50.4	48.3	53.3	54.3	51.9	49.6	50.3	48.7
9/12/2015	14:44	43.5	44.1	42.6	42.0	42.5	41.3	43.8	44.1	42.9	42.2	42.7	41.2
9/12/2015	14:46	50.1	50.8	49.3	42.3	43.0	41.9	42.9	43.8	42.8	40.2	41.2	40.0
9/12/2015	14:48	43.4	43.8	42.9	40.9	41.3	40.4	42.2	42.6	41.7	41.6	42.1	41.0
9/12/2015	14:50	43.5	44.0	43.0	41.1	41.6	40.6	42.3	42.7	41.9	40.4	40.8	39.9
9/12/2015	14:52	39.9	40.2	39.5	38.5	38.8	38.3	40.0	40.2	39.9	38.7	38.9	38.6
9/12/2015	14:54	42.0	42.5	41.5	41.4	41.8	41.0	43.3	43.7	42.9	42.3	42.8	41.8
9/12/2015	14:56	40.7	41.1	40.3	40.5	41.0	40.0	41.4	41.6	41.0	40.0	40.3	39.6
9/12/2015	14:58	46.1	46.7	45.4	39.8	40.1	39.5	41.6	41.9	41.3	38.6	38.7	38.4
9/12/2015	15:00	46.5	47.1	45.9	44.6	45.1	44.1	46.9	47.4	46.3	48.6	49.3	48.0
9/12/2015	15:02	43.3	44.7	41.8	38.3	38.6	38.0	39.2	39.4	39.1	38.6	38.9	38.5
9/12/2015	15:04	47.4	48.2	46.5	41.4	41.9	40.9	42.8	43.3	42.4	38.8	39.0	38.5
9/12/2015	15:06	40.0	40.6	39.5	39.7	40.1	39.4	41.3	41.6	41.0	40.0	40.2	39.6
9/12/2015	15:08	42.1	42.5	41.6	40.6	40.9	40.3	41.4	41.6	41.2	40.5	40.8	40.2
9/12/2015	15:10	43.5	43.8	43.2	42.1	42.4	41.8	42.8	43.1	42.5	42.7	42.9	42.4
9/12/2015	15:12	47.3	47.8	46.8	45.8	46.0	45.4	43.3	43.5	43.0	42.4	42.8	42.0
9/12/2015	15:14	48.7	49.0	48.4	46.6	46.9	46.4	47.2	47.6	46.7	45.1	45.5	44.7
9/12/2015	15:16	47.7	48.1	47.2	48.5	49.0	48.0	50.2	51.0	49.3	51.3	52.0	50.5
9/12/2015	15:18	52.1	52.9	51.3	46.5	47.0	46.0	48.7	49.3	48.1	48.3	49.0	47.6
9/12/2015	15:20	45.1	45.8	44.3	43.7	44.1	43.3	45.5	46.2	45.0	47.8	48.5	47.0
9/12/2015	15:22	56.7	57.5	56.0	48.9	49.5	48.3	51.2	51.8	50.4	52.4	53.0	51.6
9/12/2015	15:24	47.3	47.7	46.9	44.7	45.1	44.4	47.2	47.8	46.7	49.9	50.8	49.2
9/12/2015	15:26	52.4	53.8	50.7	43.1	43.7	42.4	45.0	45.9	44.4	45.0	45.7	44.1
9/12/2015	15:28	53.0	54.5	51.7	46.8	47.4	46.1	49.4	50.0	48.7	49.0	49.6	48.3
9/12/2015	15:30	43.7	44.2	43.2	45.3	45.6	45.1	46.5	47.1	46.0	48.3	48.9	47.5
9/12/2015	15:32	46.8	47.0	46.3	46.0	46.2	45.7	46.7	47.1	46.1	48.0	48.7	47.4
9/12/2015	15:34	54.7	55.6	53.9	51.4	52.2	50.7	53.6	54.3	52.9	53.0	53.6	52.3
9/12/2015	15:36	47.4	47.7	47.0	47.7	47.9	47.3	49.6	50.0	49.1	49.3	49.9	48.7
9/12/2015	15:38	46.5	47.0	46.1	48.4	48.9	48.1	52.0	52.4	51.4	51.7	52.3	50.9
9/12/2015	15:40	45.2	45.6	45.0	46.5	47.0	46.2	48.7	49.2	48.2	51.4	52.0	50.7
9/12/2015	15:42	45.8	46.2	45.4	44.4	44.7	44.2	46.4	46.7	45.9	49.1	49.8	48.4
9/12/2015	15:44	43.9	44.1	43.7	44.7	44.9	44.6	46.1	46.5	45.6	47.4	48.2	46.6
9/12/2015	15:46	45.1	45.5	44.7	42.6	42.8	42.4	44.6	45.0	44.3	45.2	45.9	44.7
9/12/2015	15:48	45.7	46.0	45.4	42.3	42.5	42.0	44.0	44.2	43.7	44.4	44.8	44.0
9/12/2015	15:50	46.4	46.6	46.1	42.6	42.9	42.4	44.4	44.7	44.1	44.9	45.4	44.5

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/12/2015	15:52	43.4	43.7	43.1	42.0	42.3	41.8	45.3	45.8	44.8	47.4	48.1	46.7
9/12/2015	15:54	46.8	47.7	45.8	42.5	42.9	42.1	44.3	44.8	43.8	43.8	44.4	43.2
9/12/2015	15:56	43.5	43.9	43.0	41.6	41.9	41.4	44.1	44.5	43.7	43.6	44.2	43.0
9/12/2015	15:58	43.9	44.3	43.3	42.4	42.6	42.1	44.0	44.3	43.6	43.8	44.5	43.2
9/12/2015	16:00	42.0	42.3	41.7	41.4	41.8	41.2	42.9	43.4	42.5	43.0	43.6	42.4
9/12/2015	16:02	39.8	40.0	39.6	39.5	39.8	39.2	41.7	42.0	41.4	41.6	42.2	41.0
9/12/2015	16:04	40.6	40.9	40.3	40.7	40.9	40.4	43.0	43.3	42.6	41.0	41.3	40.7
9/12/2015	16:06	40.0	40.5	39.7	40.4	40.7	40.2	42.5	42.8	42.3	41.9	42.3	41.5
9/12/2015	16:08	41.8	42.3	41.4	41.0	41.3	40.7	43.1	43.5	42.8	40.9	41.1	40.7
9/12/2015	16:10	40.7	41.1	40.5	40.9	41.2	40.7	43.6	44.0	43.1	41.3	41.5	41.0
9/12/2015	16:12	39.0	39.5	38.6	40.3	40.5	40.1	42.1	42.5	41.8	40.1	40.5	39.7
9/12/2015	16:14	43.7	44.2	43.1	41.9	42.3	41.6	43.9	44.4	43.5	42.6	43.1	42.0
9/12/2015	16:16	42.6	43.0	42.1	42.2	42.4	42.0	42.8	43.2	42.4	43.8	44.5	43.1
9/12/2015	16:18	50.0	50.3	49.6	47.6	47.8	47.3	46.0	46.8	45.3	46.3	47.2	45.4
9/12/2015	16:20	46.8	47.3	46.4	44.0	44.4	43.6	43.9	44.7	43.4	47.1	47.8	46.3
9/12/2015	16:22	43.4	43.8	43.0	43.8	44.0	43.4	43.5	44.0	43.0	41.9	42.5	41.4
9/12/2015	16:24	47.9	48.5	47.2	45.5	45.9	45.3	43.4	43.8	43.1	42.8	43.5	42.2
9/12/2015	16:26	45.6	46.1	45.1	42.8	43.1	42.6	41.3	41.6	41.0	42.4	43.1	41.8
9/12/2015	16:28	49.0	49.7	48.4	42.9	43.2	42.6	43.6	44.0	43.2	42.0	42.5	41.6
9/12/2015	16:30	44.0	44.4	43.5	42.6	42.9	42.1	44.9	45.1	44.2	41.7	41.9	41.0
9/14/2015	7:00	45.4	47.1	44.1	44.0	44.3	43.7	43.9	44.2	43.6	---	---	---
9/14/2015	7:02	49.2	51.2	46.8	43.3	43.5	43.0	43.7	44.1	43.4	---	---	---
9/14/2015	7:04	42.8	43.1	42.5	44.0	44.2	43.7	44.1	44.5	43.8	---	---	---
9/14/2015	7:06	43.8	44.7	43.1	44.9	45.3	44.5	46.4	47.4	45.7	---	---	---
9/14/2015	7:08	54.3	56.5	51.5	47.1	47.3	46.9	48.7	49.3	48.1	---	---	---
9/14/2015	7:10	57.0	59.3	54.1	46.0	46.2	45.7	48.8	49.4	48.2	---	---	---
9/14/2015	7:12	49.1	50.8	47.1	44.5	44.7	44.3	46.9	47.0	46.7	---	---	---
9/14/2015	7:14	48.9	50.3	47.3	46.3	46.5	46.0	48.7	48.9	48.5	---	---	---
9/14/2015	7:16	49.3	50.5	48.0	49.7	50.2	49.3	52.0	52.4	51.5	---	---	---
9/14/2015	7:18	48.2	49.3	47.0	50.2	50.6	49.7	53.4	53.9	52.9	---	---	---
9/14/2015	7:20	44.9	45.6	44.2	46.4	46.7	46.2	48.5	48.7	48.2	---	---	---
9/14/2015	7:22	48.2	48.6	47.8	48.8	49.2	48.3	50.8	51.2	50.4	---	---	---
9/14/2015	7:24	48.6	49.8	47.5	51.7	52.4	51.0	54.4	55.2	53.6	---	---	---
9/14/2015	7:26	46.7	48.3	45.4	53.4	54.2	52.6	56.9	57.6	56.1	---	---	---
9/14/2015	7:28	50.1	52.1	48.6	53.5	54.4	52.4	55.4	56.2	54.5	---	---	---
9/14/2015	7:30	48.6	50.7	46.8	50.1	50.9	49.7	53.3	54.1	52.7	---	---	---
9/14/2015	7:32	51.5	52.2	51.0	49.3	49.5	49.2	51.7	52.0	51.4	---	---	---
9/14/2015	7:34	45.5	46.5	44.7	47.6	48.0	47.2	50.3	50.7	49.9	---	---	---
9/14/2015	7:36	41.9	42.9	40.9	46.5	46.8	46.1	48.3	48.5	47.6	---	---	---
9/14/2015	7:38	42.8	43.5	42.2	47.9	48.3	47.5	50.8	51.7	50.3	---	---	---
9/14/2015	7:40	42.8	43.6	42.2	46.9	47.5	46.2	49.4	51.5	47.6	---	---	---
9/14/2015	7:42	42.2	43.2	41.2	42.1	42.6	41.6	42.3	42.7	41.9	---	---	---
9/14/2015	7:44	46.1	46.6	45.6	68.0	68.5	67.5	64.6	64.9	64.1	---	---	---
9/14/2015	7:46	45.9	46.4	45.4	56.3	57.1	56.4	56.2	57.3	56.5	---	---	---
9/14/2015	7:48	43.5	44.1	42.8	46.2	46.7	45.6	45.5	46.1	44.9	---	---	---
9/14/2015	7:50	44.2	45.0	43.6	46.8	47.4	46.2	47.7	48.6	46.9	---	---	---
9/14/2015	7:52	44.2	45.0	43.3	43.7	44.4	43.0	44.1	44.7	43.3	---	---	---
9/14/2015	7:54	40.1	40.9	39.4	42.3	43.0	41.6	42.2	43.0	41.6	---	---	---
9/14/2015	7:56	45.2	46.7	43.5	45.3	45.9	44.6	44.6	45.3	43.8	---	---	---
9/14/2015	7:58	46.1	47.2	45.1	44.8	45.2	44.4	44.9	45.5	44.4	---	---	---
9/14/2015	8:00	46.0	46.9	44.9	41.8	42.3	41.5	41.8	42.3	41.4	---	---	---
9/14/2015	8:02	43.6	44.2	43.0	44.1	44.8	43.4	46.4	47.2	45.5	---	---	---
9/14/2015	8:04	41.5	42.0	40.9	41.1	41.7	40.4	40.6	41.2	40.2	---	---	---
9/14/2015	8:06	43.6	44.1	43.2	45.0	45.4	44.5	44.2	44.7	43.7	---	---	---
9/14/2015	8:08	45.2	46.6	43.7	44.2	44.6	43.9	45.9	46.4	45.5	---	---	---
9/14/2015	8:10	42.7	43.9	41.6	40.2	40.9	39.7	38.7	39.0	38.4	---	---	---
9/14/2015	8:12	40.4	40.8	39.9	41.8	42.3	41.4	41.2	41.9	40.5	---	---	---
9/14/2015	8:14	42.1	42.7	41.6	41.9	42.4	41.5	45.3	46.4	44.1	---	---	---
9/14/2015	8:16	43.9	45.1	42.8	43.3	43.8	42.9	44.0	44.7	43.3	---	---	---
9/14/2015	8:18	43.9	44.8	42.6	41.6	42.2	41.1	43.5	44.5	42.7	---	---	---
9/14/2015	8:20	42.6	43.4	42.2	42.8	43.4	42.1	46.3	47.2	45.4	---	---	---
9/14/2015	8:22	41.0	41.6	40.2	41.8	42.2	41.3	42.2	42.7	41.6	---	---	---
9/14/2015	8:24	41.8	43.1	40.6	45.9	46.4	45.4	45.7	46.7	44.6	---	---	---
9/14/2015	8:26	41.7	42.4	40.9	44.8	45.3	44.4	43.8	44.1	43.5	---	---	---
9/14/2015	8:28	44.0	45.2	42.9	44.7	45.0	44.3	30.7	30.9	30.5	---	---	---
9/14/2015	8:30	43.8	44.9	42.4	44.2	44.5	43.5	---	---	---	---	---	---
9/14/2015	8:32	48.0	49.1	47.2	68.0	68.5	67.3	---	---	---	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/14/2015	8:34	45.9	47.0	44.4	45.2	45.7	44.7	---	---	---	---	---	---
9/14/2015	8:36	50.5	51.1	49.8	57.1	57.3	56.4	---	---	---	---	---	---
9/14/2015	8:38	48.6	50.0	46.7	55.4	56.1	55.4	---	---	---	---	---	---
9/14/2015	8:40	47.2	47.7	46.8	59.6	60.1	59.0	---	---	---	---	---	---
9/14/2015	8:42	40.3	40.8	40.1	45.5	46.1	45.1	---	---	---	---	---	---
9/14/2015	8:44	47.4	49.1	45.6	47.5	47.9	47.1	---	---	---	---	---	---
9/14/2015	8:46	51.5	52.8	49.8	66.8	67.3	66.1	---	---	---	---	---	---
9/14/2015	8:48	50.1	51.7	48.2	49.9	50.3	49.5	---	---	---	---	---	---
9/14/2015	8:50	50.5	52.3	48.5	54.3	54.9	53.7	---	---	---	---	---	---
9/14/2015	8:52	47.0	48.9	44.1	42.7	43.5	42.0	---	---	---	---	---	---
9/14/2015	8:54	41.2	41.9	40.2	44.1	44.7	43.4	---	---	---	---	---	---
9/14/2015	8:56	44.6	45.6	43.6	48.7	49.0	48.3	---	---	---	---	---	---
9/14/2015	8:58	46.7	47.6	45.7	56.2	56.6	55.7	---	---	---	---	---	---
9/14/2015	9:00	48.3	49.2	47.5	58.1	58.6	57.5	---	---	---	---	---	---
9/14/2015	9:02	46.4	46.8	46.0	51.4	51.8	51.0	---	---	---	---	---	---
9/14/2015	9:04	42.8	43.2	42.3	48.7	49.2	48.2	---	---	---	---	---	---
9/14/2015	9:06	41.2	41.6	40.8	50.3	51.2	49.4	---	---	---	---	---	---
9/14/2015	9:08	41.7	42.2	41.2	47.0	47.6	46.3	---	---	---	---	---	---
9/14/2015	9:10	41.2	41.7	40.7	52.4	52.9	51.8	---	---	---	---	---	---
9/14/2015	9:12	42.7	42.9	42.2	65.3	65.8	64.7	---	---	---	---	---	---
9/14/2015	9:14	45.0	45.4	44.7	56.0	56.5	55.6	---	---	---	---	---	---
9/14/2015	9:16	43.1	43.6	42.6	52.8	53.3	52.2	---	---	---	---	---	---
9/14/2015	9:18	43.2	43.7	42.7	53.4	53.9	53.0	---	---	---	---	---	---
9/14/2015	9:20	52.0	52.8	51.1	47.8	48.6	46.8	---	---	---	---	---	---
9/14/2015	9:22	41.0	41.6	40.5	47.5	48.3	46.6	---	---	---	---	---	---
9/14/2015	9:24	45.5	46.0	45.1	53.9	54.4	53.4	---	---	---	---	---	---
9/14/2015	9:26	42.1	42.6	41.5	47.6	48.2	47.3	---	---	---	---	---	---
9/14/2015	9:28	50.2	52.7	47.5	43.7	44.2	43.3	---	---	---	---	---	---
9/14/2015	9:30	41.5	43.3	39.7	36.1	36.3	35.9	---	---	---	---	---	---
9/14/2015	9:32	43.9	45.3	42.3	40.4	41.0	39.6	---	---	---	---	---	---
9/14/2015	9:34	44.3	44.8	43.8	56.5	56.8	56.0	---	---	---	---	---	---
9/14/2015	9:36	43.7	44.1	43.2	49.5	50.0	48.9	---	---	---	---	---	---
9/14/2015	9:38	39.5	39.9	39.2	53.5	53.9	53.1	---	---	---	---	---	---
9/14/2015	9:40	37.5	38.0	37.1	42.5	42.9	42.2	---	---	---	---	---	---
9/14/2015	9:42	38.3	38.8	37.9	47.9	48.7	46.7	---	---	---	---	---	---
9/14/2015	9:44	41.8	43.4	40.4	44.2	44.7	43.6	---	---	---	---	---	---
9/14/2015	9:46	42.4	43.2	41.5	45.6	45.8	45.2	---	---	---	---	---	---
9/14/2015	9:48	44.2	45.0	43.5	61.3	61.9	60.7	---	---	---	---	---	---
9/14/2015	9:50	48.4	49.8	46.5	41.5	42.2	40.9	---	---	---	---	---	---
9/14/2015	9:52	46.3	48.2	44.5	43.0	43.4	42.6	---	---	---	---	---	---
9/14/2015	9:54	46.5	47.7	45.3	45.5	45.9	45.1	---	---	---	---	---	---
9/14/2015	9:56	50.2	51.9	48.0	50.3	50.8	49.8	---	---	---	---	---	---
9/14/2015	9:58	44.5	45.7	43.6	48.7	49.1	48.3	---	---	---	---	---	---
9/14/2015	10:00	---	---	---	51.1	51.4	50.7	---	---	---	---	---	---
9/14/2015	10:02	---	---	---	51.2	51.6	50.7	---	---	---	---	---	---
9/14/2015	10:04	---	---	---	47.0	48.0	46.2	---	---	---	---	---	---
9/14/2015	10:06	---	---	---	44.2	44.7	43.7	---	---	---	---	---	---
9/14/2015	10:08	---	---	---	59.3	59.9	58.7	---	---	---	---	---	---
9/14/2015	10:10	---	---	---	57.9	58.6	57.2	---	---	---	---	---	---
9/14/2015	10:12	---	---	---	50.1	50.8	49.7	---	---	---	---	---	---
9/14/2015	10:14	---	---	---	49.7	50.1	49.3	---	---	---	---	---	---
9/14/2015	10:16	---	---	---	50.3	50.8	49.8	---	---	---	---	---	---
9/14/2015	10:18	---	---	---	50.1	50.5	49.7	---	---	---	---	---	---
9/14/2015	10:20	---	---	---	43.8	44.4	43.3	---	---	---	---	---	---
9/14/2015	10:22	---	---	---	43.4	43.5	42.9	---	---	---	---	---	---
9/14/2015	10:24	---	---	---	58.1	58.7	57.6	---	---	---	---	---	---
9/14/2015	10:26	---	---	---	50.2	50.6	49.6	---	---	---	---	---	---
9/14/2015	10:28	---	---	---	55.8	56.2	55.3	---	---	---	---	---	---
9/14/2015	10:30	37.3	49.8	37.6	55.0	55.5	54.6	---	---	---	---	---	---
9/14/2015	10:32	50.3	80.8	52.5	47.3	47.8	46.9	---	---	---	---	---	---
9/14/2015	10:34	42.8	57.4	43.1	49.7	50.1	49.1	---	---	---	---	---	---
9/14/2015	10:36	47.1	59.8	47.7	42.4	42.9	42.1	---	---	---	---	---	---
9/14/2015	10:38	39.7	52.9	39.9	55.6	56.3	54.9	---	---	---	---	---	---
9/14/2015	10:40	45.1	58.2	45.5	53.8	54.4	53.2	---	---	---	---	---	---
9/14/2015	10:42	42.6	54.9	42.9	55.4	55.7	55.0	---	---	---	---	---	---
9/14/2015	10:44	42.4	54.4	42.7	46.5	47.0	46.2	---	---	---	---	---	---
9/14/2015	10:46	44.6	57.4	45.1	54.5	55.0	53.9	---	---	---	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/14/2015	10:48	44.7	58.5	45.1	48.3	48.7	47.8	---	---	---	---	---	---
9/14/2015	10:50	44.6	57.6	45.0	52.4	52.9	51.9	---	---	---	---	---	---
9/14/2015	10:52	40.2	54.8	40.8	47.3	47.9	46.8	---	---	---	---	---	---
9/14/2015	10:54	44.2	57.3	44.4	49.9	50.2	49.6	---	---	---	---	---	---
9/14/2015	10:56	41.7	55.2	42.3	56.7	57.4	56.1	---	---	---	---	---	---
9/14/2015	10:58	44.4	59.2	44.8	53.4	53.8	52.8	---	---	---	---	---	---
9/14/2015	11:00	46.7	59.2	47.0	55.9	56.3	55.5	---	---	---	---	---	---
9/14/2015	11:02	46.1	59.2	46.5	55.7	56.2	55.2	---	---	---	---	---	---
9/14/2015	11:04	48.0	65.5	49.1	49.9	50.4	49.5	---	---	---	---	---	---
9/14/2015	11:06	47.7	62.1	48.1	52.2	52.7	51.6	---	---	---	---	---	---
9/14/2015	11:08	48.1	61.9	48.6	51.0	51.6	50.4	---	---	---	---	---	---
9/14/2015	11:10	47.1	60.2	47.5	53.8	54.1	53.3	---	---	---	---	---	---
9/14/2015	11:12	43.9	57.4	44.1	46.9	47.4	46.4	---	---	---	---	---	---
9/14/2015	11:14	46.2	58.8	46.6	53.2	53.6	52.6	---	---	---	---	---	---
9/14/2015	11:16	48.7	61.4	49.1	58.0	58.4	57.7	---	---	---	---	---	---
9/14/2015	11:18	48.2	61.4	48.6	57.0	57.4	56.5	---	---	---	---	---	---
9/14/2015	11:20	45.8	62.1	46.2	48.5	48.7	48.0	---	---	---	---	---	---
9/14/2015	11:22	47.0	59.6	47.3	49.8	50.2	49.5	---	---	---	---	---	---
9/14/2015	11:24	49.7	62.0	50.1	56.9	57.3	56.3	---	---	---	---	---	---
9/14/2015	11:26	46.2	59.8	46.4	53.1	53.5	52.8	---	---	---	---	---	---
9/14/2015	11:28	47.8	60.4	48.2	49.5	50.2	49.2	---	---	---	---	---	---
9/14/2015	11:30	45.8	57.8	46.1	49.8	50.2	49.2	---	---	---	---	---	---
9/14/2015	11:32	49.6	74.6	50.3	55.8	56.2	55.4	---	---	---	---	---	---
9/14/2015	11:34	49.0	63.5	49.6	55.6	55.8	55.2	---	---	---	---	---	---
9/14/2015	11:36	47.4	65.8	48.1	55.5	56.1	55.2	---	---	---	---	---	---
9/14/2015	11:38	46.3	69.3	47.9	46.5	47.1	46.0	---	---	---	---	---	---
9/14/2015	11:40	50.9	67.0	51.4	53.4	53.8	53.0	---	---	---	---	---	---
9/14/2015	11:42	50.2	67.5	50.8	58.2	58.7	57.7	---	---	---	---	---	---
9/14/2015	11:44	48.2	62.2	48.7	49.1	49.4	48.7	---	---	---	---	---	---
9/14/2015	11:46	49.0	66.0	50.4	51.0	51.5	50.6	---	---	---	---	---	---
9/14/2015	11:48	48.3	61.6	48.7	50.8	51.2	50.4	---	---	---	---	---	---
9/14/2015	11:50	45.6	57.9	46.0	53.7	54.2	53.3	---	---	---	---	---	---
9/14/2015	11:52	46.6	60.3	47.6	49.8	50.6	49.0	---	---	---	---	---	---
9/14/2015	11:54	49.4	62.0	49.6	54.6	54.6	53.8	---	---	---	---	---	---
9/14/2015	11:56	48.4	63.0	49.1	57.8	58.4	57.6	---	---	---	---	---	---
9/14/2015	11:58	47.5	62.8	48.0	58.3	58.7	57.8	---	---	---	---	---	---
9/14/2015	12:00	48.1	48.7	47.6	51.2	51.6	50.9	---	---	---	---	---	---
9/14/2015	12:02	47.5	47.9	47.1	51.2	51.6	50.7	---	---	---	---	---	---
9/14/2015	12:04	48.3	48.6	47.9	52.2	52.6	51.8	---	---	---	---	---	---
9/14/2015	12:06	45.4	45.8	45.2	48.7	49.4	48.1	---	---	---	---	---	---
9/14/2015	12:08	46.1	46.6	45.5	48.6	49.1	48.0	---	---	---	---	---	---
9/14/2015	12:10	48.1	48.9	47.3	47.8	48.2	47.5	---	---	---	---	---	---
9/14/2015	12:12	47.9	48.2	47.5	59.6	59.9	59.3	---	---	---	---	---	---
9/14/2015	12:14	47.7	48.1	47.3	57.6	58.0	57.0	---	---	---	---	---	---
9/14/2015	12:16	46.5	46.8	46.3	52.5	52.9	52.4	---	---	---	---	---	---
9/14/2015	12:18	48.3	48.6	47.8	53.7	54.5	52.4	---	---	---	---	---	---
9/14/2015	12:20	46.8	47.2	46.4	50.5	51.0	50.2	47.6	49.5	44.9	---	---	---
9/14/2015	12:22	47.1	47.5	46.6	50.0	50.8	49.2	53.8	54.4	53.2	---	---	---
9/14/2015	12:24	46.0	46.4	45.7	---	---	---	52.0	52.5	51.6	---	---	---
9/14/2015	12:26	43.5	43.8	43.1	---	---	---	48.6	48.9	48.4	---	---	---
9/14/2015	12:28	42.4	42.9	42.0	---	---	---	47.3	47.5	47.2	---	---	---
9/14/2015	12:30	43.1	43.6	42.6	---	---	---	48.0	48.3	47.6	---	---	---
9/14/2015	12:32	47.3	47.6	46.9	---	---	---	62.0	62.3	61.6	---	---	---
9/14/2015	12:34	45.8	46.3	45.4	---	---	---	58.5	58.9	58.2	---	---	---
9/14/2015	12:36	47.8	48.4	47.2	---	---	---	54.7	54.8	54.1	---	---	---
9/14/2015	12:38	50.2	50.6	49.8	---	---	---	59.7	60.2	59.4	---	---	---
9/14/2015	12:40	48.5	48.8	48.3	---	---	---	51.0	51.3	50.6	---	---	---
9/14/2015	12:42	44.5	44.8	44.2	---	---	---	46.5	47.2	46.0	---	---	---
9/14/2015	12:44	43.4	43.8	43.2	---	---	---	49.0	49.9	48.0	---	---	---
9/14/2015	12:46	45.9	48.1	44.2	---	---	---	51.7	52.0	51.3	---	---	---
9/14/2015	12:48	45.8	46.1	45.4	---	---	---	53.0	53.4	52.6	---	---	---
9/14/2015	12:50	47.5	47.9	47.0	---	---	---	51.9	52.4	51.2	---	---	---
9/14/2015	12:52	43.2	43.8	43.1	---	---	---	56.5	56.9	56.1	---	---	---
9/14/2015	12:54	41.2	41.5	40.9	49.8	51.5	48.0	46.6	47.1	46.0	---	---	---
9/14/2015	12:56	47.7	48.1	47.3	55.3	55.7	54.7	58.3	58.6	57.7	---	---	---
9/14/2015	12:58	45.7	46.1	45.4	52.4	52.7	51.7	53.7	54.1	52.9	---	---	---
9/14/2015	13:00	42.7	43.0	42.5	52.3	52.9	52.2	55.8	56.6	55.5	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/14/2015	13:02	50.4	51.0	49.7	51.2	51.5	50.3	53.1	53.7	52.5	---	---	---
9/14/2015	13:04	48.3	48.7	47.9	52.5	53.3	52.1	53.1	53.6	52.7	---	---	---
9/14/2015	13:06	49.1	49.5	48.7	57.7	58.1	57.3	61.2	61.5	60.8	---	---	---
9/14/2015	13:08	43.7	44.0	43.3	47.9	48.3	47.7	50.4	50.8	50.1	---	---	---
9/14/2015	13:10	47.8	48.1	47.4	47.8	48.2	47.3	50.3	50.7	50.0	---	---	---
9/14/2015	13:12	50.8	51.2	50.4	56.6	57.0	56.1	59.4	59.8	59.0	---	---	---
9/14/2015	13:14	49.4	49.7	49.0	67.9	68.6	67.2	64.0	64.5	63.5	---	---	---
9/14/2015	13:16	46.0	46.4	45.4	48.7	49.1	48.4	50.9	51.1	50.6	---	---	---
9/14/2015	13:18	46.8	47.1	46.6	49.3	49.9	48.7	50.7	51.2	50.2	---	---	---
9/14/2015	13:20	48.6	49.0	48.1	52.7	53.2	52.1	53.6	54.0	53.2	---	---	---
9/14/2015	13:22	46.5	46.8	46.0	48.2	48.6	47.5	52.4	53.1	51.2	---	---	---
9/14/2015	13:24	47.0	47.5	46.7	56.9	57.4	56.5	61.5	62.0	60.8	---	---	---
9/14/2015	13:26	47.1	47.7	46.4	52.0	52.4	51.5	54.0	54.4	53.3	---	---	---
9/14/2015	13:28	50.3	52.2	47.7	50.5	51.0	50.2	53.8	54.5	53.4	---	---	---
9/14/2015	13:30	50.2	52.0	48.1	47.5	48.0	47.1	47.0	47.4	46.5	---	---	---
9/14/2015	13:32	42.2	42.5	41.9	45.1	45.5	44.7	45.4	45.8	45.1	---	---	---
9/14/2015	13:34	44.6	44.9	44.2	48.8	49.1	48.2	48.3	48.7	47.7	---	---	---
9/14/2015	13:36	46.9	47.3	46.5	54.7	55.2	54.3	56.9	57.3	56.4	46.5	47.3	46.1
9/14/2015	13:38	48.7	49.0	48.4	50.3	50.8	49.8	50.6	51.0	50.1	55.1	55.7	54.4
9/14/2015	13:40	51.0	51.2	50.7	48.7	49.2	48.2	49.3	50.1	48.7	53.2	53.8	52.7
9/14/2015	13:42	52.6	52.8	52.2	50.6	50.9	50.1	52.9	53.8	52.2	56.0	56.4	55.6
9/14/2015	13:44	46.2	46.7	46.0	48.7	49.4	47.7	48.4	48.8	48.0	51.6	52.0	51.2
9/14/2015	13:46	45.1	45.4	44.8	51.5	51.9	51.0	50.2	50.4	49.6	58.3	58.7	57.7
9/14/2015	13:48	51.4	51.8	51.0	59.8	60.1	59.4	62.3	62.6	61.9	65.0	65.3	64.5
9/14/2015	13:50	48.6	48.9	48.2	57.0	57.6	56.4	60.2	60.6	59.7	70.6	71.4	69.9
9/14/2015	13:52	49.6	50.0	49.4	55.6	56.0	55.1	58.4	58.8	57.5	69.3	69.8	68.8
9/14/2015	13:54	49.9	50.2	49.5	58.6	59.1	58.1	60.9	61.4	60.5	70.1	70.7	69.5
9/14/2015	13:56	50.7	50.9	50.4	56.4	56.9	56.0	58.0	58.5	57.5	69.8	70.3	69.2
9/14/2015	13:58	50.5	50.7	50.2	56.2	56.6	55.6	57.9	58.5	57.3	66.9	67.8	66.1
9/14/2015	14:00	48.4	48.6	48.2	52.2	52.7	52.0	53.9	54.4	53.6	61.7	62.2	61.5
9/14/2015	14:02	47.8	48.5	47.1	47.5	47.8	47.3	49.1	49.5	48.7	58.4	58.8	58.1
9/14/2015	14:04	40.4	40.6	40.2	43.0	43.2	42.8	46.1	46.2	45.9	55.4	55.5	55.3
9/14/2015	14:06	47.8	48.2	47.4	53.5	53.6	52.9	54.9	54.9	54.1	59.3	59.7	58.9
9/14/2015	14:08	46.5	46.9	46.2	57.4	57.8	57.1	60.8	61.2	60.5	68.0	68.4	67.6
9/14/2015	14:10	45.9	46.3	45.4	56.9	57.4	56.4	59.5	59.9	59.1	68.2	68.7	67.6
9/14/2015	14:12	49.3	49.5	48.9	56.7	57.2	56.2	59.5	60.0	59.0	69.3	70.1	68.4
9/14/2015	14:14	50.3	50.8	49.6	61.3	61.9	60.3	62.1	62.9	61.1	77.0	77.9	75.7
9/14/2015	14:16	47.4	47.9	47.0	54.2	55.8	54.0	56.6	57.5	55.9	68.7	70.0	68.1
9/14/2015	14:18	49.3	49.7	48.8	64.7	65.1	64.1	61.5	61.8	61.2	66.1	66.4	65.8
9/14/2015	14:20	48.2	48.6	48.0	55.3	56.3	54.6	63.3	64.4	62.3	65.2	65.6	64.9
9/14/2015	14:22	45.3	45.7	45.0	51.5	52.0	51.1	53.7	54.2	53.2	65.5	65.7	65.1
9/14/2015	14:24	47.0	47.3	46.8	55.4	55.7	55.0	57.7	58.0	57.3	68.8	69.1	68.5
9/14/2015	14:26	49.3	49.7	49.0	59.0	59.3	58.6	62.0	62.5	61.6	69.5	70.0	69.0
9/14/2015	14:28	46.4	46.7	46.1	55.4	55.8	55.0	58.3	58.8	57.9	70.2	70.7	69.8
9/14/2015	14:30	48.6	48.8	48.3	55.8	56.3	55.3	58.0	58.6	57.4	69.1	69.6	68.4
9/14/2015	14:32	47.7	48.0	47.4	56.0	56.5	55.4	58.2	58.7	57.5	68.5	69.2	68.0
9/14/2015	14:34	49.2	49.6	48.9	58.1	58.6	57.5	61.0	61.5	60.5	67.7	67.9	67.3
9/14/2015	14:36	43.6	44.2	43.4	52.5	53.0	52.0	55.5	56.0	54.9	67.2	67.8	66.7
9/14/2015	14:38	42.8	43.1	42.6	52.8	53.2	52.4	56.0	56.5	55.6	67.2	67.7	66.7
9/14/2015	14:40	46.3	46.7	45.9	51.1	51.4	50.8	52.4	52.8	52.1	60.5	61.0	60.3
9/14/2015	14:42	46.6	47.0	46.2	54.2	54.5	53.8	56.4	56.6	56.0	59.9	60.1	59.7
9/14/2015	14:44	48.1	48.6	47.6	57.4	57.9	57.1	61.5	61.8	61.1	69.9	70.4	69.3
9/14/2015	14:46	48.4	49.0	47.7	55.5	56.1	54.9	58.4	59.0	57.6	69.9	70.8	68.8
9/14/2015	14:48	49.5	50.0	49.0	55.8	56.1	55.4	57.9	58.4	57.6	68.6	69.1	68.0
9/14/2015	14:50	50.3	50.6	50.0	58.5	59.0	57.9	61.4	62.0	60.8	69.1	69.7	68.6
9/14/2015	14:52	48.5	48.9	48.1	53.4	53.9	53.1	55.2	55.8	54.7	65.7	66.3	65.2
9/14/2015	14:54	54.8	55.7	53.2	49.1	49.4	48.7	51.2	51.6	50.9	59.6	59.7	59.5
9/14/2015	14:56	53.6	54.4	53.4	47.1	47.4	46.8	49.1	49.5	48.7	58.7	58.9	58.5
9/14/2015	14:58	42.3	42.8	41.8	44.5	44.8	44.4	46.6	46.8	46.4	56.1	56.2	56.0
9/14/2015	15:00	44.5	44.7	44.1	57.8	58.8	56.7	63.3	64.1	61.7	62.1	62.3	61.6
9/14/2015	15:02	49.2	49.5	48.8	68.2	68.8	67.6	65.4	66.5	64.4	63.2	63.7	62.9
9/14/2015	15:04	48.6	49.1	48.2	59.8	60.3	59.6	63.2	63.6	62.9	69.9	70.4	69.4
9/14/2015	15:06	42.9	43.4	42.5	54.5	54.9	54.0	57.5	57.9	57.1	70.1	70.7	69.5
9/14/2015	15:08	47.7	48.0	47.2	55.9	56.3	55.5	57.8	58.1	57.4	68.6	69.1	68.1
9/14/2015	15:10	49.9	50.3	49.2	58.0	58.0	56.9	59.1	59.3	58.3	68.4	69.0	67.7
9/14/2015	15:12	48.5	49.5	47.9	57.4	58.3	57.4	60.5	61.1	60.3	67.8	68.1	67.6
9/14/2015	15:14	47.3	47.6	46.9	52.2	52.8	51.7	54.5	55.0	54.0	65.2	65.5	64.9

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/14/2015	15:16	49.5	51.1	47.5	53.1	53.5	52.5	56.4	57.0	55.8	67.3	67.6	66.9
9/14/2015	15:18	51.7	53.1	50.1	55.0	55.6	54.5	56.1	56.6	55.4	69.3	70.9	68.4
9/14/2015	15:20	53.5	54.4	52.3	54.4	54.4	53.6	55.6	55.6	54.6	62.0	62.8	61.3
9/14/2015	15:22	49.9	50.4	49.6	56.8	57.4	56.6	59.9	60.4	59.7	68.2	68.7	67.8
9/14/2015	15:24	47.1	47.4	46.8	50.9	51.6	50.1	51.9	52.7	51.5	62.7	63.3	62.2
9/14/2015	15:26	51.0	51.3	50.6	53.7	54.2	53.2	54.0	54.4	53.4	61.8	62.3	61.3
9/14/2015	15:28	51.4	51.7	51.1	56.5	56.6	55.9	58.4	58.5	57.8	61.0	61.1	60.6
9/14/2015	15:30	47.9	48.2	47.6	57.1	57.6	56.8	60.7	61.2	60.5	69.1	69.5	68.6
9/14/2015	15:32	45.0	45.5	44.4	60.4	61.0	59.8	62.1	62.6	61.6	69.9	70.5	69.4
9/14/2015	15:34	48.0	48.7	47.2	56.7	57.3	56.2	59.4	59.9	58.9	68.5	69.1	68.0
9/14/2015	15:36	48.5	49.1	47.9	58.0	58.5	57.4	60.5	61.1	59.8	70.0	70.6	69.3
9/14/2015	15:38	46.7	47.1	46.2	55.7	56.3	55.1	57.8	58.6	57.2	68.6	69.7	67.6
9/14/2015	15:40	45.7	46.2	45.4	51.1	51.6	50.6	53.0	53.4	52.4	61.5	61.9	61.2
9/14/2015	15:42	49.7	50.0	49.3	53.3	53.8	52.8	54.8	55.5	54.3	62.8	63.4	62.3
9/14/2015	15:44	49.7	50.0	49.5	47.6	47.8	47.2	48.6	48.9	48.2	56.7	56.8	56.5
9/14/2015	15:46	49.2	49.6	48.8	57.3	58.0	56.7	60.0	60.6	59.4	68.2	69.1	67.2
9/14/2015	15:48	50.0	50.3	49.6	58.4	59.0	57.7	60.8	61.4	60.1	67.5	68.0	67.0
9/14/2015	15:50	52.3	52.6	52.0	56.3	56.9	55.8	57.9	58.5	57.4	69.5	70.2	68.8
9/14/2015	15:52	52.1	53.1	51.0	55.7	56.3	55.1	57.7	58.4	56.9	65.6	66.2	65.1
9/14/2015	15:54	45.7	46.2	45.3	51.3	51.7	50.9	52.8	53.2	52.3	58.0	58.4	57.5
9/14/2015	15:56	43.4	43.8	42.8	48.7	49.5	47.7	48.8	49.7	48.0	52.4	53.4	51.2
9/14/2015	15:58	48.6	48.9	48.3	50.5	50.9	50.2	50.9	51.5	50.3	52.1	52.7	51.5
9/14/2015	16:00	48.8	49.0	48.4	50.9	51.3	50.4	50.9	51.5	50.4	54.4	54.9	53.8
9/14/2015	16:02	48.8	49.4	48.3	51.9	52.8	50.9	55.0	56.3	53.7	48.2	48.7	48.0
9/14/2015	16:04	44.4	44.5	44.0	46.4	46.9	45.9	49.4	50.8	48.4	---	---	---
9/14/2015	16:06	49.4	49.9	48.7	51.4	52.1	50.3	50.6	51.3	49.6	---	---	---
9/14/2015	16:08	48.8	49.6	48.4	57.4	58.6	55.5	57.4	58.8	55.6	---	---	---
9/14/2015	16:10	44.9	45.4	44.5	41.7	41.9	41.4	41.5	41.9	41.2	45.1	47.2	42.6
9/14/2015	16:12	41.0	41.3	40.7	39.4	39.6	39.2	41.0	41.7	40.0	41.7	41.9	41.4
9/14/2015	16:14	39.1	39.6	38.7	40.2	40.4	40.0	44.5	44.7	44.3	41.7	42.0	41.5
9/14/2015	16:16	37.6	37.8	37.3	41.1	41.5	40.8	44.9	45.2	44.7	45.0	45.5	44.3
9/14/2015	16:18	45.1	45.7	44.6	42.2	42.5	41.9	45.6	45.9	45.4	42.9	43.4	42.5
9/14/2015	16:20	45.0	45.7	44.3	41.4	41.6	41.1	44.7	44.9	44.5	41.4	41.6	41.1
9/14/2015	16:22	53.0	53.6	52.3	41.6	41.8	41.4	44.6	44.9	44.3	41.4	41.7	41.1
9/14/2015	16:24	45.1	45.6	44.7	42.0	42.2	41.7	43.0	43.3	42.8	41.2	41.4	40.9
9/14/2015	16:26	45.1	45.6	44.6	44.7	45.0	44.3	45.5	46.4	44.7	44.0	44.4	43.6
9/14/2015	16:28	41.7	41.9	41.5	41.5	41.7	41.3	39.0	39.4	38.7	40.9	41.3	40.5
9/14/2015	16:30	42.9	43.0	42.7	43.3	43.9	42.8	43.6	44.7	42.2	39.2	39.4	38.9
9/15/2015	7:00	46.5	46.7	46.1	48.8	49.2	48.3	49.4	50.0	48.9	53.0	53.5	52.3
9/15/2015	7:02	44.6	45.1	44.5	47.5	47.9	47.1	47.7	48.2	47.4	51.8	52.2	51.4
9/15/2015	7:04	43.2	43.6	42.8	47.3	47.8	46.7	47.2	47.8	46.7	51.5	52.1	50.9
9/15/2015	7:06	43.2	43.6	42.8	45.8	46.2	45.3	46.8	47.2	46.4	49.7	50.1	49.2
9/15/2015	7:08	47.8	48.8	46.5	48.2	48.4	47.8	49.4	49.6	48.8	53.9	54.5	53.3
9/15/2015	7:10	49.8	50.5	49.1	50.9	51.1	50.6	51.2	51.6	51.0	53.6	53.9	53.4
9/15/2015	7:12	49.8	50.3	49.3	58.1	58.7	57.4	60.4	61.0	60.0	62.2	62.7	61.7
9/15/2015	7:14	50.6	51.0	50.1	69.9	70.6	69.2	63.5	63.9	63.0	66.2	66.5	65.9
9/15/2015	7:16	52.0	52.5	51.7	61.4	61.8	61.0	62.5	62.9	62.1	65.9	66.3	65.2
9/15/2015	7:18	51.6	52.1	51.1	62.5	62.9	62.0	63.6	64.0	63.3	62.2	62.7	61.9
9/15/2015	7:20	50.5	51.2	50.0	62.9	63.2	62.5	64.2	64.6	63.8	65.0	65.5	64.6
9/15/2015	7:22	51.5	51.9	51.2	63.2	63.6	62.9	64.3	64.6	63.9	67.9	68.4	67.6
9/15/2015	7:24	45.3	46.3	44.2	43.5	43.8	43.2	44.4	44.8	44.0	45.6	46.2	45.0
9/15/2015	7:26	44.8	45.7	43.8	43.5	43.8	43.1	44.3	44.6	43.7	47.9	48.3	47.5
9/15/2015	7:28	43.3	43.7	43.0	46.2	46.8	45.7	46.9	47.5	46.3	48.8	49.4	48.2
9/15/2015	7:30	43.2	43.5	42.8	46.4	46.6	45.9	45.9	46.3	45.4	50.6	51.0	50.3
9/15/2015	7:32	50.1	50.7	49.5	62.1	62.6	61.5	63.4	63.9	63.0	66.3	66.9	65.7
9/15/2015	7:34	50.1	50.6	49.7	60.4	60.7	60.0	61.6	61.9	61.2	65.6	66.0	65.1
9/15/2015	7:36	44.6	45.1	44.1	48.1	48.7	47.6	48.3	48.8	47.9	51.6	52.2	51.0
9/15/2015	7:38	48.3	49.6	46.8	56.3	56.5	55.5	57.8	58.2	57.1	66.2	66.6	65.7
9/15/2015	7:40	51.6	52.8	50.3	60.4	61.0	60.1	61.8	62.2	61.3	55.9	56.4	55.6
9/15/2015	7:42	50.4	52.1	48.1	46.4	46.7	46.0	46.5	46.8	46.0	48.7	49.1	48.3
9/15/2015	7:44	50.8	53.0	48.5	49.9	50.3	49.4	49.8	50.3	49.1	52.7	53.2	52.2
9/15/2015	7:46	52.1	52.7	51.5	62.9	63.5	62.4	64.2	64.6	63.6	66.6	67.1	66.1
9/15/2015	7:48	50.8	51.3	50.4	62.4	62.7	62.0	63.8	64.1	63.4	68.1	68.5	67.7
9/15/2015	7:50	49.5	50.4	48.4	59.6	59.6	59.0	61.6	61.7	61.1	68.5	68.8	68.1
9/15/2015	7:52	50.1	50.7	49.6	61.6	62.0	61.1	62.7	63.2	62.2	66.3	66.9	65.7
9/15/2015	7:54	52.0	52.9	51.3	58.7	59.7	58.5	59.2	60.1	59.2	55.4	56.0	55.1
9/15/2015	7:56	45.5	46.0	44.9	47.2	47.7	46.6	47.7	48.5	47.0	50.9	51.7	50.2

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/15/2015	7:58	46.2	47.3	44.5	48.3	48.7	47.8	47.9	48.4	47.5	53.2	53.6	52.8
9/15/2015	8:00	46.9	47.1	46.4	61.1	61.4	60.5	62.7	63.0	62.1	68.3	68.7	67.9
9/15/2015	8:02	50.2	50.7	49.7	56.0	57.1	55.9	55.4	56.9	55.6	55.8	56.6	55.4
9/15/2015	8:04	50.1	50.5	49.7	63.3	63.7	63.0	64.5	64.8	64.0	68.4	68.9	68.0
9/15/2015	8:06	46.9	47.2	46.5	61.0	61.3	60.5	61.7	62.1	61.3	65.0	65.4	64.5
9/15/2015	8:08	51.7	52.3	51.0	62.0	62.6	61.4	63.5	64.1	63.0	65.9	66.3	65.5
9/15/2015	8:10	45.9	46.5	45.7	48.9	49.6	48.6	49.8	50.5	49.3	51.9	52.6	51.2
9/15/2015	8:12	43.9	44.3	43.5	48.2	48.6	47.8	49.2	49.7	48.8	51.9	52.3	51.4
9/15/2015	8:14	53.3	53.9	52.6	50.1	50.5	49.6	51.3	51.7	50.6	58.1	58.2	57.1
9/15/2015	8:16	52.4	52.8	51.9	62.1	62.5	61.6	62.9	63.3	62.4	66.6	67.1	66.1
9/15/2015	8:18	49.2	49.5	48.9	51.3	51.7	50.9	50.9	51.4	50.6	55.2	55.6	54.6
9/15/2015	8:20	47.4	47.8	47.1	54.1	54.2	53.4	55.7	55.8	54.8	64.8	65.2	64.3
9/15/2015	8:22	50.8	51.2	50.4	61.8	62.2	61.4	62.7	63.0	62.3	66.6	67.0	66.2
9/15/2015	8:24	50.8	51.2	50.5	61.4	62.1	60.9	62.2	62.9	61.6	59.2	59.4	58.5
9/15/2015	8:26	51.1	51.4	50.7	65.3	65.7	65.0	66.7	67.1	66.3	68.0	68.5	67.5
9/15/2015	8:28	42.0	42.5	41.5	48.8	49.2	48.3	49.1	49.7	48.5	58.8	58.8	57.9
9/15/2015	8:30	50.9	51.4	50.5	62.5	63.0	62.1	64.2	64.6	63.8	66.4	66.9	66.1
9/15/2015	8:32	45.6	46.0	45.1	47.9	48.5	47.3	48.4	49.0	47.7	53.1	53.7	52.4
9/15/2015	8:34	47.3	47.6	47.0	50.2	50.7	49.8	49.6	50.0	49.2	52.9	53.4	52.4
9/15/2015	8:36	51.9	52.6	51.2	61.0	61.4	60.6	61.8	62.2	61.4	65.0	65.4	64.5
9/15/2015	8:38	50.5	50.9	50.2	62.0	62.5	61.5	63.2	63.6	62.8	65.9	66.3	65.5
9/15/2015	8:40	44.9	45.3	44.8	47.8	48.3	47.6	47.9	48.4	47.6	49.2	49.6	49.0
9/15/2015	8:42	47.3	47.6	46.9	49.2	49.6	48.9	47.6	47.9	47.3	51.8	52.2	51.3
9/15/2015	8:44	49.5	49.8	49.2	62.0	61.9	61.3	63.2	63.2	62.7	67.3	67.7	66.9
9/15/2015	8:46	50.9	51.3	50.6	58.5	59.7	58.8	58.0	59.2	58.4	55.2	55.8	55.0
9/15/2015	8:48	47.5	47.8	47.1	51.0	51.3	50.4	51.2	51.5	50.8	60.7	60.6	59.8
9/15/2015	8:50	51.2	51.6	50.7	62.0	62.5	61.4	63.4	63.8	63.0	65.3	65.9	65.1
9/15/2015	8:52	48.3	48.5	47.9	58.7	58.8	58.2	60.3	60.3	59.6	67.0	67.4	66.5
9/15/2015	8:54	51.2	51.6	50.7	61.5	61.9	61.1	62.7	63.4	62.4	57.4	58.1	57.2
9/15/2015	8:56	50.5	50.8	50.1	61.7	62.1	61.2	62.9	63.2	62.5	66.1	66.5	65.7
9/15/2015	8:58	48.0	48.6	47.5	51.5	52.1	50.9	51.0	51.6	50.4	54.5	55.3	53.5
9/15/2015	9:00	46.2	46.6	45.8	50.7	51.4	49.8	51.0	51.8	50.4	54.5	55.5	53.4
9/15/2015	9:02	47.9	48.3	47.3	49.5	49.8	49.1	50.7	51.2	50.0	51.5	51.9	51.0
9/15/2015	9:04	51.7	52.5	50.8	53.4	54.0	52.7	53.2	53.9	52.5	56.1	56.9	55.2
9/15/2015	9:06	47.9	48.1	47.5	51.8	52.2	51.3	52.5	53.0	51.9	59.3	59.6	58.5
9/15/2015	9:08	50.9	51.4	50.4	62.0	62.6	61.5	62.9	63.3	62.4	66.7	67.3	66.2
9/15/2015	9:10	50.4	50.8	50.0	61.8	62.2	61.4	63.0	63.4	62.5	66.0	66.4	65.7
9/15/2015	9:12	48.3	48.6	48.0	48.7	49.2	48.4	49.7	50.2	49.2	53.3	53.9	52.8
9/15/2015	9:14	49.3	49.7	48.9	52.7	53.0	52.1	53.5	54.1	52.8	64.2	64.3	63.5
9/15/2015	9:16	52.1	52.7	51.6	61.6	62.1	61.2	62.5	63.0	62.0	62.9	63.6	62.9
9/15/2015	9:18	47.3	47.8	46.9	47.0	47.4	46.7	47.8	48.2	47.5	49.3	49.9	48.9
9/15/2015	9:20	49.4	49.8	49.0	51.1	51.5	50.7	53.8	54.9	52.8	55.4	55.9	54.9
9/15/2015	9:22	49.3	49.6	49.0	54.4	54.6	53.6	54.6	54.9	53.7	66.1	66.5	65.4
9/15/2015	9:24	51.8	52.4	51.3	63.0	63.4	62.6	63.9	64.4	63.5	60.3	61.2	60.2
9/15/2015	9:26	51.4	51.9	51.0	62.5	62.9	62.0	63.7	64.2	63.3	67.0	67.4	66.4
9/15/2015	9:28	49.1	49.6	48.6	59.2	59.7	58.8	60.7	61.2	60.3	64.7	65.2	64.3
9/15/2015	9:30	50.4	50.7	49.8	46.5	46.8	46.2	47.0	47.3	46.8	47.4	47.7	47.2
9/15/2015	9:32	51.0	51.9	49.9	46.9	47.2	46.6	47.8	48.1	47.5	49.0	49.3	48.7
9/15/2015	9:34	52.2	53.4	51.1	49.6	49.9	49.3	50.8	51.2	50.4	54.6	55.2	54.0
9/15/2015	9:36	49.5	50.1	48.6	50.8	51.1	50.4	51.8	52.1	51.5	59.2	59.3	58.7
9/15/2015	9:38	52.4	52.9	51.8	61.3	61.7	60.9	62.5	62.9	62.1	66.0	66.4	65.6
9/15/2015	9:40	53.6	54.2	53.1	63.0	63.4	62.4	63.9	64.3	63.3	68.3	68.7	67.8
9/15/2015	9:42	51.5	52.3	50.7	57.3	57.8	56.8	58.8	59.3	58.3	63.2	63.5	62.7
9/15/2015	9:44	53.5	54.2	52.8	61.7	62.1	61.2	63.1	63.5	62.6	65.3	65.7	65.0
9/15/2015	9:46	51.3	51.8	50.8	61.2	61.6	60.8	62.0	62.4	61.6	65.7	66.1	65.3
9/15/2015	9:48	48.0	48.3	47.7	50.3	51.0	49.7	51.4	52.1	50.5	56.0	56.6	55.4
9/15/2015	9:50	50.8	51.5	50.0	53.1	53.6	52.4	54.2	54.8	53.7	60.1	60.3	59.6
9/15/2015	9:52	52.6	53.1	52.0	63.5	63.9	63.1	64.4	64.7	64.1	70.3	70.6	69.9
9/15/2015	9:54	54.0	54.8	53.1	62.3	62.9	61.8	63.0	63.4	62.5	65.4	65.8	65.1
9/15/2015	9:56	53.1	53.8	52.5	63.5	64.0	63.1	64.7	65.2	64.3	67.6	68.0	67.1
9/15/2015	9:58	52.3	53.0	51.7	61.5	61.9	61.1	62.7	63.1	62.2	67.0	67.5	66.6
9/15/2015	10:00	50.3	50.8	49.7	60.3	60.7	59.9	61.4	61.9	60.9	66.4	66.7	65.7
9/15/2015	10:02	52.0	52.7	51.4	53.0	53.5	52.8	51.7	52.4	51.5	---	---	---
9/15/2015	10:04	51.5	52.5	50.5	50.2	50.5	49.9	49.9	50.3	49.6	---	---	---
9/15/2015	10:06	47.3	47.9	46.6	50.8	51.3	50.1	50.7	51.4	49.9	---	---	---
9/15/2015	10:08	51.4	52.2	50.6	57.1	57.2	56.7	58.8	58.9	58.3	---	---	---
9/15/2015	10:10	53.4	53.9	52.9	61.8	62.3	61.3	62.5	63.0	62.1	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/15/2015	10:12	54.5	55.7	52.9	56.2	56.6	55.5	56.6	57.3	55.6	---	---	---
9/15/2015	10:14	52.2	52.5	51.8	64.3	64.6	63.8	66.0	66.4	65.5	---	---	---
9/15/2015	10:16	51.8	52.2	51.3	57.6	58.4	57.4	58.6	59.4	58.5	---	---	---
9/15/2015	10:18	51.3	51.7	50.9	63.1	63.5	62.7	64.7	65.1	64.3	---	---	---
9/15/2015	10:20	46.1	46.6	45.5	50.1	50.5	49.6	51.1	51.5	50.6	---	---	---
9/15/2015	10:22	45.7	46.3	45.1	50.9	51.5	50.4	51.4	52.0	50.8	---	---	---
9/15/2015	10:24	47.7	48.0	47.3	52.2	53.0	51.3	52.4	52.9	51.6	---	---	---
9/15/2015	10:26	51.3	51.6	50.9	62.0	62.4	61.6	63.5	63.9	63.2	---	---	---
9/15/2015	10:28	47.4	47.8	47.0	52.5	52.7	52.1	53.0	53.2	52.5	---	---	---
9/15/2015	10:30	52.3	52.7	51.9	62.7	63.2	62.3	63.9	64.3	63.5	---	---	---
9/15/2015	10:32	51.0	51.4	50.6	60.8	61.1	60.4	61.9	62.3	61.4	---	---	---
9/15/2015	10:34	53.0	53.4	52.6	61.7	62.2	61.2	63.2	63.7	62.6	---	---	---
9/15/2015	10:36	48.6	49.1	48.2	51.4	51.6	51.1	51.3	51.6	50.9	---	---	---
9/15/2015	10:38	50.6	51.1	50.0	52.8	53.2	52.5	52.2	52.6	51.9	---	---	---
9/15/2015	10:40	51.3	52.0	50.7	53.5	53.9	53.2	53.8	54.2	53.4	---	---	---
9/15/2015	10:42	51.3	51.7	50.9	61.5	61.9	61.0	62.6	63.0	62.2	---	---	---
9/15/2015	10:44	49.0	49.3	48.6	62.5	62.8	62.0	63.9	64.2	63.5	---	---	---
9/15/2015	10:46	51.5	52.0	51.0	57.1	57.7	56.6	58.9	59.4	58.1	---	---	---
9/15/2015	10:48	52.4	52.9	51.9	63.1	63.6	62.7	63.4	64.0	63.1	---	---	---
9/15/2015	10:50	48.5	49.0	48.0	46.9	47.3	46.6	45.4	45.7	45.1	---	---	---
9/15/2015	10:52	49.0	49.5	48.5	47.0	47.3	46.6	46.0	46.3	45.6	---	---	---
9/15/2015	10:54	46.5	46.8	46.2	47.3	47.7	46.9	46.3	46.6	45.9	---	---	---
9/15/2015	10:56	48.1	48.4	47.7	49.4	49.9	48.8	49.6	50.2	49.0	---	---	---
9/15/2015	10:58	50.8	51.0	50.4	62.0	62.5	61.5	62.5	62.9	62.1	---	---	---
9/15/2015	11:00	50.6	50.9	50.4	52.8	53.3	52.6	52.6	53.1	52.4	---	---	---
9/15/2015	11:02	48.1	48.3	47.8	61.3	61.3	60.5	63.3	63.2	62.3	---	---	---
9/15/2015	11:04	52.5	53.1	51.9	60.1	61.2	60.0	60.3	61.6	60.7	---	---	---
9/15/2015	11:06	47.1	47.6	46.8	52.0	52.5	51.5	51.7	52.2	51.2	---	---	---
9/15/2015	11:08	52.2	52.5	51.9	63.2	63.6	62.7	63.9	64.3	63.5	---	---	---
9/15/2015	11:10	50.1	50.4	49.8	50.9	51.6	50.3	50.0	50.6	49.3	---	---	---
9/15/2015	11:12	50.5	50.8	50.1	51.6	52.0	51.2	50.9	51.3	50.6	---	---	---
9/15/2015	11:14	49.0	49.5	48.6	50.7	51.0	50.3	50.4	50.9	50.0	---	---	---
9/15/2015	11:16	52.8	53.6	52.0	61.0	61.1	60.5	62.5	62.8	62.1	---	---	---
9/15/2015	11:18	53.4	53.8	53.0	61.9	62.6	61.6	63.6	64.1	63.2	---	---	---
9/15/2015	11:20	49.0	49.4	48.7	56.5	56.6	55.8	58.2	58.3	57.7	---	---	---
9/15/2015	11:22	53.8	54.7	52.7	62.3	62.8	61.9	63.7	64.2	63.4	---	---	---
9/15/2015	11:24	47.5	47.8	47.1	51.1	51.6	50.6	51.6	52.1	51.2	---	---	---
9/15/2015	11:26	52.1	52.9	51.0	63.4	63.7	63.0	64.3	64.6	63.9	---	---	---
9/15/2015	11:28	50.6	51.2	50.2	52.2	52.7	51.9	53.1	53.6	52.6	---	---	---
9/15/2015	11:30	47.4	47.8	47.1	51.1	51.6	50.7	50.9	51.3	50.5	---	---	---
9/15/2015	11:32	47.5	47.8	47.3	53.0	53.5	52.4	52.6	53.1	52.1	---	---	---
9/15/2015	11:34	49.4	49.7	48.7	61.3	61.6	60.9	63.3	63.7	62.9	---	---	---
9/15/2015	11:36	52.6	53.1	52.3	61.8	62.2	61.5	63.2	63.7	62.8	---	---	---
9/15/2015	11:38	52.5	52.9	52.0	63.1	63.6	62.6	64.6	65.1	64.1	---	---	---
9/15/2015	11:40	50.4	50.9	50.0	64.4	65.0	63.8	61.1	61.5	60.7	---	---	---
9/15/2015	11:42	45.1	45.3	44.9	49.0	49.3	48.6	49.4	49.7	49.0	---	---	---
9/15/2015	11:44	44.5	44.8	44.1	48.3	49.2	47.6	50.4	51.0	50.0	---	---	---
9/15/2015	11:46	50.3	50.6	50.0	62.9	63.3	62.6	64.8	65.2	64.5	---	---	---
9/15/2015	11:48	49.9	50.3	49.6	51.7	52.0	51.5	52.0	52.3	51.7	---	---	---
9/15/2015	11:50	46.7	47.0	46.4	51.9	52.3	51.4	52.2	52.7	51.8	---	---	---
9/15/2015	11:52	50.1	50.4	49.7	61.6	62.0	61.2	63.2	63.6	62.7	---	---	---
9/15/2015	11:54	50.8	51.0	50.4	61.8	62.2	61.4	62.9	63.2	62.5	---	---	---
9/15/2015	11:56	50.8	51.8	50.1	62.2	62.4	61.6	63.4	63.7	62.9	---	---	---
9/15/2015	11:58	51.2	51.8	50.7	55.7	57.2	55.7	55.8	56.8	55.5	---	---	---
9/15/2015	12:00	45.6	45.9	45.2	55.7	56.2	55.2	57.7	58.1	57.3	---	---	---
9/15/2015	12:02	47.5	47.9	47.1	47.0	47.4	46.7	46.7	47.1	46.5	---	---	---
9/15/2015	12:04	47.1	47.4	46.6	48.8	49.3	48.2	49.5	50.0	48.9	---	---	---
9/15/2015	12:06	48.9	49.3	48.6	53.7	53.9	53.0	53.0	53.3	52.4	---	---	---
9/15/2015	12:08	52.6	53.0	52.1	63.3	63.7	63.0	64.2	64.5	63.9	---	---	---
9/15/2015	12:10	51.2	51.6	50.7	61.6	62.2	61.1	62.7	63.2	62.2	---	---	---
9/15/2015	12:12	54.6	55.3	53.9	62.1	62.6	61.7	63.4	63.9	62.9	---	---	---
9/15/2015	12:14	53.0	53.5	52.3	63.2	63.7	62.7	65.0	65.5	64.5	---	---	---
9/15/2015	12:16	54.1	55.1	53.1	59.3	59.7	58.8	61.2	61.8	60.7	---	---	---
9/15/2015	12:18	50.4	51.5	49.2	50.4	51.4	49.5	50.8	51.8	49.9	---	---	---
9/15/2015	12:20	52.4	52.7	52.1	50.5	50.9	50.2	51.4	51.9	50.8	---	---	---
9/15/2015	12:22	51.1	51.7	50.6	52.4	53.0	51.7	53.3	53.9	52.9	---	---	---
9/15/2015	12:24	49.8	50.3	49.0	62.5	62.6	61.9	63.8	63.9	63.4	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/15/2015	12:26	51.8	52.4	51.4	55.7	57.0	55.9	56.3	57.4	56.5	---	---	---
9/15/2015	12:28	47.7	48.1	47.3	47.8	48.2	47.5	48.9	49.3	48.5	---	---	---
9/15/2015	12:30	45.7	46.4	44.8	47.9	48.5	47.4	49.5	50.0	48.9	---	---	---
9/15/2015	12:32	45.7	46.2	44.8	51.6	52.1	51.0	52.0	52.3	51.5	---	---	---
9/15/2015	12:34	48.9	49.8	47.9	67.4	67.9	66.8	65.1	65.5	64.7	---	---	---
9/15/2015	12:36	51.3	51.7	50.9	61.4	61.8	61.0	62.8	63.2	62.4	---	---	---
9/15/2015	12:38	52.4	52.7	52.0	64.7	65.2	64.2	66.2	66.6	65.7	---	---	---
9/15/2015	12:40	51.6	52.3	51.0	54.1	55.2	54.0	55.2	56.5	55.1	---	---	---
9/15/2015	12:42	47.8	48.4	47.2	54.1	54.4	53.5	55.4	55.7	54.7	---	---	---
9/15/2015	12:44	52.3	52.6	51.9	63.0	63.4	62.6	63.6	64.0	63.3	---	---	---
9/15/2015	12:46	46.9	47.2	46.6	53.7	54.6	52.5	62.6	63.7	61.5	---	---	---
9/15/2015	12:48	49.4	50.0	48.6	51.2	51.7	50.6	52.6	53.2	52.0	---	---	---
9/15/2015	12:50	47.5	47.9	47.2	57.4	57.7	57.0	59.4	59.7	58.8	---	---	---
9/15/2015	12:52	52.6	53.0	52.2	69.4	69.8	68.8	67.5	67.8	67.0	---	---	---
9/15/2015	12:54	51.2	51.7	50.8	60.2	60.7	59.9	61.9	62.5	61.5	---	---	---
9/15/2015	12:56	49.6	49.8	49.3	50.2	50.5	49.8	50.9	51.2	50.5	---	---	---
9/15/2015	12:58	47.2	47.5	46.9	50.3	50.8	49.8	52.0	52.3	51.5	---	---	---
9/15/2015	13:00	47.4	47.7	47.0	53.6	53.7	52.8	55.5	56.0	54.8	---	---	---
9/15/2015	13:02	52.1	52.5	51.6	62.9	63.2	62.6	64.4	64.8	64.0	---	---	---
9/15/2015	13:04	54.2	54.6	53.8	70.4	70.8	69.9	67.1	67.4	66.7	---	---	---
9/15/2015	13:06	52.8	53.3	52.5	62.2	62.6	61.8	63.8	64.2	63.4	---	---	---
9/15/2015	13:08	51.5	51.9	51.0	61.5	61.9	61.0	63.6	64.1	63.1	---	---	---
9/15/2015	13:10	49.3	49.6	49.1	49.1	49.6	48.8	49.8	50.2	49.3	---	---	---
9/15/2015	13:12	48.5	48.8	48.2	49.2	49.6	48.9	50.9	51.5	50.5	---	---	---
9/15/2015	13:14	46.2	46.7	45.9	47.4	47.8	47.0	48.4	48.7	48.1	---	---	---
9/15/2015	13:16	48.6	49.0	48.2	53.5	53.8	52.9	54.5	54.9	53.7	---	---	---
9/15/2015	13:18	48.6	48.9	48.2	54.1	54.9	53.6	56.6	57.6	55.8	---	---	---
9/15/2015	13:20	52.0	52.6	51.5	62.8	63.3	62.4	64.7	65.2	64.2	---	---	---
9/15/2015	13:22	52.1	52.5	51.8	62.9	63.3	62.4	64.0	64.5	63.5	---	---	---
9/15/2015	13:24	51.8	52.3	51.4	61.9	62.4	61.5	63.2	63.7	62.7	---	---	---
9/15/2015	13:26	45.9	46.2	45.7	45.7	46.0	45.5	46.9	47.4	46.8	---	---	---
9/15/2015	13:28	49.8	50.0	49.4	50.2	50.5	49.9	48.9	49.5	48.3	---	---	---
9/15/2015	13:30	49.0	49.3	48.7	50.9	51.2	50.4	50.3	50.8	49.8	---	---	---
9/15/2015	13:32	51.0	51.3	50.6	52.1	52.6	51.7	52.8	53.4	52.2	---	---	---
9/15/2015	13:34	47.2	47.5	46.9	55.1	55.3	54.6	57.7	57.8	57.0	---	---	---
9/15/2015	13:36	53.9	54.4	53.4	64.6	65.1	64.1	65.9	66.4	65.4	---	---	---
9/15/2015	13:38	54.7	55.0	54.4	64.1	64.4	63.6	65.9	66.3	65.4	---	---	---
9/15/2015	13:40	52.4	52.9	52.0	56.9	57.9	56.9	57.0	57.9	56.9	---	---	---
9/15/2015	13:42	55.8	56.0	55.4	54.5	54.9	54.0	54.1	54.6	53.6	---	---	---
9/15/2015	13:44	55.4	55.7	55.1	63.3	63.7	63.0	64.6	64.9	64.3	---	---	---
9/15/2015	13:46	49.3	49.8	48.8	50.9	51.2	50.5	52.2	52.6	51.9	---	---	---
9/15/2015	13:48	54.7	55.1	54.4	54.6	55.3	54.0	57.4	58.3	56.0	---	---	---
9/15/2015	13:50	53.3	53.6	52.9	63.9	64.5	63.4	65.3	65.9	64.7	---	---	---
9/15/2015	13:52	51.4	52.0	51.1	53.3	53.9	53.0	54.9	55.4	54.5	---	---	---
9/15/2015	13:54	57.2	57.5	56.9	63.1	63.5	62.7	64.7	65.1	64.2	---	---	---
9/15/2015	13:56	55.6	55.9	55.4	62.8	63.2	62.4	64.0	64.4	63.5	---	---	---
9/15/2015	13:58	48.3	48.5	48.1	47.6	47.8	47.2	48.7	49.0	48.4	---	---	---
9/15/2015	14:00	46.7	47.0	46.4	52.8	53.2	52.4	54.0	54.5	53.6	---	---	---
9/15/2015	14:02	46.5	46.8	46.2	52.4	52.8	51.9	52.8	53.3	52.3	---	---	---
9/15/2015	14:04	51.7	51.9	51.4	56.6	56.8	56.0	57.2	57.5	56.2	---	---	---
9/15/2015	14:06	54.2	54.6	54.0	63.6	63.9	63.2	65.2	65.6	64.8	---	---	---
9/15/2015	14:08	53.8	54.1	53.5	65.9	66.2	65.4	67.4	67.9	66.9	---	---	---
9/15/2015	14:10	51.5	51.8	51.2	57.8	58.7	57.7	58.2	59.0	58.1	---	---	---
9/15/2015	14:12	52.4	52.8	52.1	62.4	62.8	62.0	64.2	64.6	63.8	---	---	---
9/15/2015	14:14	44.9	45.4	44.5	49.6	50.3	48.6	51.3	51.9	50.6	---	---	---
9/15/2015	14:16	51.8	52.3	51.3	54.7	55.2	54.1	55.4	55.8	54.6	---	---	---
9/15/2015	14:18	51.9	52.2	51.5	66.1	66.7	65.4	62.6	63.0	62.2	---	---	---
9/15/2015	14:20	55.3	55.5	55.0	54.3	54.8	53.9	54.6	55.2	54.2	---	---	---
9/15/2015	14:22	48.2	48.7	47.9	51.3	51.8	50.8	52.6	53.2	52.0	---	---	---
9/15/2015	14:24	43.8	44.3	43.4	52.3	52.9	51.7	54.4	55.0	53.7	---	---	---
9/15/2015	14:26	50.9	51.2	50.6	52.8	53.5	52.1	53.2	53.8	52.6	---	---	---
9/15/2015	14:28	45.9	46.2	45.7	48.2	48.7	47.9	47.9	48.4	47.6	---	---	---
9/15/2015	14:30	45.2	45.8	44.7	48.9	49.1	48.6	49.0	49.3	48.7	---	---	---
9/15/2015	14:32	51.3	51.7	50.8	61.1	61.4	60.8	62.7	63.1	62.2	---	---	---
9/15/2015	14:34	53.4	53.8	53.1	63.0	63.6	62.4	65.1	65.7	64.4	---	---	---
9/15/2015	14:36	52.9	53.3	52.6	62.2	62.6	61.8	64.3	64.7	63.8	---	---	---
9/15/2015	14:38	54.3	54.5	54.1	62.2	62.6	61.8	63.7	64.2	63.3	---	---	---

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/15/2015	14:40	52.7	52.9	52.6	47.1	47.6	46.8	46.7	47.3	46.3	---	---	---
9/15/2015	14:42	50.0	50.4	49.7	43.6	43.9	43.4	43.0	43.3	42.7	---	---	---
9/15/2015	14:44	46.8	47.3	46.4	46.3	46.5	45.9	47.1	47.4	46.7	---	---	---
9/15/2015	14:46	50.3	50.4	49.9	50.6	51.0	50.1	51.8	52.2	51.3	---	---	---
9/15/2015	14:48	50.1	50.5	50.0	52.1	52.5	51.8	53.0	53.4	52.6	---	---	---
9/15/2015	14:50	51.9	52.3	51.4	63.9	64.3	63.5	65.0	65.5	64.5	---	---	---
9/15/2015	14:52	50.5	50.7	50.0	62.2	62.6	61.8	64.4	64.9	63.9	---	---	---
9/15/2015	14:54	50.6	51.0	50.3	61.9	62.0	61.0	63.1	63.6	62.5	---	---	---
9/15/2015	14:56	50.2	50.6	49.9	57.9	59.3	58.2	57.7	58.5	57.5	---	---	---
9/15/2015	14:58	52.1	52.4	51.7	64.4	64.7	64.0	66.0	66.4	65.7	---	---	---
9/15/2015	15:00	53.5	53.8	53.2	62.6	63.0	62.3	64.1	64.6	63.6	---	---	---
9/15/2015	15:02	49.2	49.8	48.6	57.4	57.9	57.1	59.0	59.4	58.7	---	---	---
9/15/2015	15:04	52.4	53.0	51.8	64.9	65.3	64.5	65.4	65.9	64.9	---	---	---
9/15/2015	15:06	47.6	48.2	47.3	51.8	52.2	51.5	53.8	54.1	53.5	---	---	---
9/15/2015	15:08	51.2	51.5	50.8	62.8	63.2	62.3	64.6	64.9	64.2	---	---	---
9/15/2015	15:10	51.5	52.0	51.1	62.9	63.3	62.3	63.9	64.5	63.4	---	---	---
9/15/2015	15:12	48.3	49.0	47.6	49.7	50.1	49.4	52.5	52.8	52.2	---	---	---
9/15/2015	15:14	45.1	45.7	44.4	47.2	47.4	46.8	51.3	51.5	51.1	---	---	---
9/15/2015	15:16	45.8	46.2	45.4	51.3	51.7	50.9	53.7	54.1	53.4	---	---	---
9/15/2015	15:18	49.5	49.7	49.2	63.9	64.1	63.5	65.4	65.7	65.0	---	---	---
9/15/2015	15:20	53.8	54.2	53.4	63.2	63.6	62.9	64.2	64.6	63.9	---	---	---
9/15/2015	15:22	51.0	51.3	50.6	63.5	63.7	62.9	65.5	65.9	64.9	---	---	---
9/15/2015	15:24	54.6	55.0	54.3	60.3	61.2	60.4	59.8	60.8	59.7	---	---	---
9/15/2015	15:26	51.5	51.9	51.1	62.7	63.1	62.3	64.5	64.9	64.2	---	---	---
9/15/2015	15:28	52.5	52.8	52.1	62.2	62.7	61.7	63.8	64.4	63.3	---	---	---
9/15/2015	15:30	52.0	52.2	51.8	49.2	49.7	48.8	48.5	49.0	48.1	---	---	---
9/15/2015	15:32	45.7	46.1	45.3	49.0	49.4	48.3	50.1	50.7	49.4	---	---	---
9/15/2015	15:34	44.1	44.4	43.8	50.8	51.3	50.4	51.6	52.1	51.2	---	---	---
9/15/2015	15:36	46.6	47.2	45.9	63.0	63.4	62.6	65.0	65.5	64.6	---	---	---
9/15/2015	15:38	51.9	52.5	51.3	65.3	65.7	64.8	66.8	67.3	66.2	---	---	---
9/15/2015	15:40	45.4	45.9	45.2	54.5	54.7	54.0	55.6	55.7	54.9	---	---	---
9/15/2015	15:42	55.7	56.1	55.4	64.8	65.2	64.4	66.4	66.8	66.0	---	---	---
9/15/2015	15:44	51.5	51.8	51.1	62.1	62.6	61.6	63.8	64.3	63.3	---	---	---
9/15/2015	15:46	55.1	55.3	54.9	53.9	54.3	53.6	52.4	53.1	51.9	---	---	---
9/15/2015	15:48	48.6	48.9	48.4	49.3	49.6	49.0	49.7	50.1	49.2	---	---	---
9/15/2015	15:50	46.7	47.1	46.4	50.4	50.8	50.0	53.0	53.7	52.2	---	---	---
9/15/2015	15:52	49.8	50.3	49.3	63.2	63.7	62.7	64.7	65.2	64.3	---	---	---
9/15/2015	15:54	46.1	46.4	45.8	45.0	45.3	44.9	47.8	48.5	47.3	---	---	---
9/15/2015	15:56	44.0	44.4	43.7	48.1	48.4	47.8	49.6	49.9	49.3	---	---	---
9/15/2015	15:58	44.2	44.6	43.8	51.3	51.8	50.7	54.3	55.2	53.4	---	---	---
9/15/2015	16:00	47.9	48.5	47.2	57.4	57.6	56.6	59.9	60.3	59.0	---	---	---
9/15/2015	16:02	52.1	52.5	51.7	64.3	64.8	63.9	64.5	65.2	64.1	---	---	---
9/15/2015	16:04	51.3	51.8	50.9	64.0	64.6	63.5	65.1	65.4	64.8	---	---	---
9/15/2015	16:06	45.3	45.8	44.7	---	---	---	53.4	54.0	52.8	---	---	---
9/15/2015	16:08	50.6	51.3	49.9	---	---	---	64.2	64.6	63.8	---	---	---
9/15/2015	16:10	49.7	50.0	49.5	---	---	---	50.6	51.2	50.1	---	---	---
9/15/2015	16:12	49.7	50.0	49.5	---	---	---	52.1	53.7	50.8	---	---	---
9/15/2015	16:14	48.2	49.2	47.3	---	---	---	56.5	57.8	55.2	---	---	---
9/15/2015	16:16	45.7	46.8	44.4	---	---	---	41.9	42.2	41.7	---	---	---
9/15/2015	16:18	46.0	47.3	44.9	---	---	---	44.9	45.1	44.5	---	---	---
9/15/2015	16:20	48.2	48.8	47.5	---	---	---	49.3	50.0	48.5	---	---	---
9/15/2015	16:22	45.4	46.3	44.6	---	---	---	51.6	52.9	50.3	---	---	---
9/15/2015	16:24	52.4	53.4	51.3	---	---	---	54.9	56.1	53.7	---	---	---
9/15/2015	16:26	43.9	44.5	43.2	---	---	---	43.2	43.4	42.9	---	---	---
9/15/2015	16:28	49.3	49.8	48.7	48.3	49.7	46.7	47.4	47.7	47.0	---	---	---
9/15/2015	16:30	49.0	49.5	48.7	50.4	51.1	49.9	52.9	54.6	50.9	---	---	---
9/16/2015	7:00	46.4	47.7	45.0	44.8	45.1	44.2	46.2	46.5	45.9	49.2	49.3	49.0
9/16/2015	7:02	45.7	46.8	44.7	50.9	52.5	49.3	50.2	51.2	49.4	49.8	49.9	49.7
9/16/2015	7:04	46.7	47.2	46.2	50.0	50.8	49.2	50.8	51.4	50.4	51.0	51.2	50.9
9/16/2015	7:06	44.4	45.6	43.3	46.8	47.2	46.3	48.3	48.5	48.2	49.6	49.8	49.5
9/16/2015	7:08	44.6	45.5	43.5	46.7	47.0	46.4	48.8	49.1	48.6	50.9	51.2	50.7
9/16/2015	7:10	43.9	44.5	43.2	46.5	47.1	46.0	48.2	48.7	47.8	50.7	50.8	50.5
9/16/2015	7:12	48.3	48.8	47.6	49.3	49.6	49.0	51.0	51.3	50.6	56.2	56.3	55.9
9/16/2015	7:14	52.0	53.1	50.9	50.9	51.1	50.8	51.9	52.1	51.7	55.0	55.4	54.9
9/16/2015	7:16	50.8	52.6	48.8	53.6	53.7	53.3	54.7	54.8	54.2	64.6	64.8	64.2
9/16/2015	7:18	52.4	54.2	50.5	68.4	68.9	67.8	64.6	65.0	64.3	59.2	59.7	59.1
9/16/2015	7:20	52.8	55.2	50.0	47.3	47.9	46.8	49.2	49.9	48.7	49.8	50.3	49.3

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/16/2015	7:22	48.1	49.2	46.8	46.1	46.4	45.8	47.8	48.0	47.4	49.7	50.1	49.4
9/16/2015	7:24	50.0	51.5	48.0	43.3	43.7	43.0	44.6	45.2	44.4	46.9	47.7	46.2
9/16/2015	7:26	48.1	49.6	46.4	42.3	42.6	42.1	44.0	44.3	43.7	45.1	45.3	45.0
9/16/2015	7:28	44.7	45.7	43.9	42.0	42.4	41.6	45.0	45.6	44.2	45.3	45.7	44.8
9/16/2015	7:30	43.6	44.3	43.0	47.0	47.6	46.3	48.4	49.6	47.0	50.8	51.4	50.0
9/16/2015	7:32	49.6	51.3	47.4	42.1	42.6	41.8	43.9	44.2	43.7	46.8	47.3	46.4
9/16/2015	7:34	47.3	48.7	45.6	47.1	47.8	46.4	47.1	47.6	46.6	56.3	56.9	55.4
9/16/2015	7:36	51.7	52.9	50.1	48.1	48.6	47.6	48.9	49.3	48.4	60.9	61.5	60.4
9/16/2015	7:38	43.9	45.4	42.5	49.7	50.9	48.4	48.8	49.4	48.2	56.3	56.8	55.8
9/16/2015	7:40	43.7	44.9	42.5	49.6	51.5	47.8	46.3	47.0	45.6	53.8	54.4	53.3
9/16/2015	7:42	47.1	48.7	45.4	46.4	46.8	46.0	47.7	48.1	47.3	54.9	55.2	54.5
9/16/2015	7:44	46.8	48.6	44.7	48.7	49.4	48.1	48.8	49.2	48.3	57.3	57.9	56.8
9/16/2015	7:46	46.3	48.1	44.4	54.6	54.7	54.0	57.4	57.3	56.6	66.5	66.9	66.0
9/16/2015	7:48	48.5	49.4	47.8	63.5	63.9	63.2	64.5	64.9	64.2	61.8	62.2	61.5
9/16/2015	7:50	49.5	50.5	48.4	64.1	64.4	63.7	65.3	65.6	65.0	69.9	70.2	69.5
9/16/2015	7:52	53.1	54.4	51.3	62.4	62.7	62.0	63.7	64.1	63.4	67.0	67.3	66.7
9/16/2015	7:54	47.5	49.6	45.3	47.7	48.1	47.3	48.5	49.0	47.9	62.0	62.1	61.4
9/16/2015	7:56	50.4	51.3	49.6	62.6	62.9	62.2	64.7	65.1	64.3	65.9	66.4	65.7
9/16/2015	7:58	49.8	50.5	49.0	41.5	42.0	41.1	43.3	44.0	42.5	48.0	48.6	47.6
9/16/2015	8:00	45.1	46.4	43.1	43.4	43.7	42.9	44.3	44.6	43.8	48.8	49.1	48.4
9/16/2015	8:02	43.8	44.6	43.1	49.2	49.8	48.5	47.7	48.2	47.1	57.7	58.3	57.1
9/16/2015	8:04	45.1	46.0	44.1	58.0	58.0	57.1	59.7	60.0	58.8	67.3	67.7	66.9
9/16/2015	8:06	46.3	46.7	45.9	62.9	63.3	62.5	63.9	64.2	63.4	68.0	68.5	67.5
9/16/2015	8:08	47.3	47.8	46.7	62.8	63.5	62.2	62.9	63.7	62.6	65.8	65.8	65.3
9/16/2015	8:10	48.3	49.0	47.7	65.3	65.8	64.9	65.4	65.8	65.1	69.6	69.9	69.3
9/16/2015	8:12	49.3	50.4	48.5	64.5	65.1	63.9	64.5	65.0	64.0	64.5	65.2	64.4
9/16/2015	8:14	43.8	45.2	42.1	51.3	51.8	50.9	52.9	53.6	52.2	65.0	65.8	64.1
9/16/2015	8:16	46.8	48.7	45.2	61.1	62.1	59.7	62.7	63.5	61.4	56.8	57.4	56.2
9/16/2015	8:18	46.5	48.6	44.4	66.7	68.0	65.3	63.9	65.0	62.7	57.0	57.6	56.4
9/16/2015	8:20	47.8	49.3	46.3	67.7	68.7	66.6	64.1	65.1	62.9	63.2	63.6	62.3
9/16/2015	8:22	51.7	52.9	50.2	63.5	63.9	63.1	64.3	64.7	63.8	65.0	65.6	64.9
9/16/2015	8:24	49.0	50.2	47.5	60.2	60.5	59.4	63.8	64.0	63.0	67.4	67.8	67.0
9/16/2015	8:26	51.1	51.7	50.5	61.4	62.2	61.0	59.7	60.8	59.7	64.7	64.9	64.2
9/16/2015	8:28	49.7	50.0	49.3	63.8	64.1	63.5	65.8	66.1	65.4	69.7	70.0	69.4
9/16/2015	8:30	49.1	49.5	48.6	64.1	64.7	63.4	64.6	65.1	64.1	62.1	62.8	62.1
9/16/2015	8:32	44.6	45.0	44.2	63.5	64.4	62.4	61.0	61.7	60.1	56.3	56.8	55.8
9/16/2015	8:34	45.0	45.6	44.5	63.9	65.0	62.8	61.7	62.5	60.9	61.6	62.1	61.0
9/16/2015	8:36	47.2	47.5	46.8	65.2	66.1	64.2	64.9	65.5	64.2	67.1	67.5	66.7
9/16/2015	8:38	48.4	48.8	48.0	63.3	64.0	62.5	62.5	63.2	62.0	60.2	60.6	59.7
9/16/2015	8:40	46.7	46.9	46.4	58.7	58.9	58.1	61.9	62.0	61.3	67.4	67.6	67.1
9/16/2015	8:42	48.6	48.9	48.3	66.2	66.8	65.4	65.0	65.6	64.6	62.8	63.1	62.3
9/16/2015	8:44	49.8	50.2	49.4	64.4	65.1	64.1	65.2	65.6	64.8	67.6	68.0	67.2
9/16/2015	8:46	49.5	49.8	49.1	65.1	65.6	64.5	65.0	65.3	64.7	69.9	70.1	69.6
9/16/2015	8:48	49.4	49.9	49.1	65.1	65.9	64.4	65.5	66.0	64.9	67.3	67.7	66.9
9/16/2015	8:50	46.4	46.8	46.2	56.5	57.4	55.9	57.7	58.4	57.1	59.7	60.3	59.2
9/16/2015	8:52	45.4	45.7	45.1	55.1	55.7	54.4	54.2	54.7	53.7	59.8	60.2	59.5
9/16/2015	8:54	49.5	49.9	49.1	62.9	63.2	62.2	63.6	64.1	63.1	67.2	67.7	66.6
9/16/2015	8:56	49.3	49.8	48.8	66.1	67.3	64.9	64.3	65.3	63.3	64.8	65.2	64.4
9/16/2015	8:58	49.1	49.6	48.7	62.8	63.2	62.3	64.8	65.2	64.4	66.8	67.3	66.5
9/16/2015	9:00	46.4	46.6	46.1	67.2	67.5	66.7	68.0	68.4	67.3	68.1	68.5	67.7
9/16/2015	9:02	48.7	49.2	48.3	62.3	62.9	62.2	62.3	63.1	62.2	60.1	60.6	59.7
9/16/2015	9:04	46.0	46.2	45.8	62.5	62.6	61.9	64.3	64.5	63.8	69.2	69.6	68.9
9/16/2015	9:06	50.2	50.5	49.8	63.3	63.8	63.0	64.6	65.1	64.3	68.4	68.7	68.0
9/16/2015	9:08	49.3	49.8	49.0	54.4	55.9	54.7	53.8	55.2	54.1	59.8	60.7	58.9
9/16/2015	9:10	46.9	47.2	46.6	50.1	50.8	49.4	48.7	49.2	48.3	60.1	60.9	59.3
9/16/2015	9:12	44.3	44.5	44.0	51.9	52.2	51.5	55.0	55.2	54.5	69.8	70.1	69.4
9/16/2015	9:14	46.4	46.6	46.1	58.3	58.6	58.0	61.0	61.2	60.7	63.6	63.9	63.3
9/16/2015	9:16	50.0	50.5	49.6	61.8	62.3	61.4	62.7	63.1	62.2	66.6	67.2	66.1
9/16/2015	9:18	49.0	49.5	48.5	62.6	63.0	62.2	64.2	64.6	63.9	67.8	68.1	67.5
9/16/2015	9:20	44.7	45.2	44.3	50.5	51.1	50.1	48.2	48.8	47.8	61.3	62.0	60.7
9/16/2015	9:22	45.2	45.6	44.9	53.0	53.6	52.5	51.9	52.6	51.2	61.4	62.0	60.8
9/16/2015	9:24	44.1	44.7	43.6	52.1	52.7	51.6	51.9	52.5	51.2	61.4	62.1	60.8
9/16/2015	9:26	47.0	47.3	46.5	62.6	62.7	61.9	63.7	64.1	63.1	67.6	68.0	67.2
9/16/2015	9:28	50.2	50.8	49.8	58.8	59.9	59.0	57.2	58.2	57.1	64.0	64.2	63.5
9/16/2015	9:30	49.8	50.1	49.5	64.4	64.7	64.0	65.2	65.6	64.8	69.4	69.8	69.1
9/16/2015	9:32	48.6	49.0	48.2	62.9	63.3	62.5	64.6	64.9	64.2	69.0	69.4	68.5
9/16/2015	9:34	45.8	46.2	45.4	62.6	63.1	62.1	63.8	64.3	63.3	68.4	68.9	68.0

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/16/2015	9:36	48.5	48.9	48.1	63.7	64.1	63.3	65.1	65.4	64.7	68.6	69.1	68.2
9/16/2015	9:38	43.7	44.1	43.5	52.7	53.5	51.7	55.1	56.1	53.9	65.0	65.9	64.2
9/16/2015	9:40	40.7	41.0	40.3	53.5	54.5	52.3	56.1	57.2	54.9	64.3	65.1	63.5
9/16/2015	9:42	50.9	51.1	49.8	53.4	53.8	52.1	54.3	55.2	53.4	64.9	65.5	64.3
9/16/2015	9:44	54.0	54.8	53.5	58.4	58.8	57.7	61.6	61.8	60.9	68.2	68.6	67.8
9/16/2015	9:46	50.0	50.5	49.5	61.8	62.5	61.4	61.5	62.2	61.2	64.6	65.2	64.1
9/16/2015	9:48	46.9	47.1	46.6	60.1	60.9	59.1	61.2	61.9	60.1	69.0	69.3	68.5
9/16/2015	9:50	49.1	49.4	48.7	66.0	66.4	65.4	67.1	67.4	66.7	67.8	68.3	67.5
9/16/2015	9:52	48.3	48.7	47.9	63.1	63.9	62.4	63.9	64.4	63.3	67.9	68.4	67.4
9/16/2015	9:54	48.5	48.8	48.1	61.2	61.8	60.9	61.5	62.2	61.3	66.6	66.8	66.2
9/16/2015	9:56	47.6	47.9	47.2	63.2	63.6	62.8	64.0	64.4	63.7	61.2	61.8	60.8
9/16/2015	9:58	44.3	44.6	44.0	42.5	42.7	42.2	42.3	42.4	41.9	50.4	50.5	50.2
9/16/2015	10:00	44.0	44.5	43.6	45.0	45.4	44.7	45.0	45.5	44.6	52.6	53.3	52.0
9/16/2015	10:02	46.5	46.8	46.1	50.1	50.4	49.6	49.4	49.8	48.9	58.9	59.3	58.4
9/16/2015	10:04	50.3	50.7	49.8	54.4	54.8	54.0	54.9	55.2	54.4	65.4	65.5	64.9
9/16/2015	10:06	51.1	51.6	50.7	68.5	68.9	68.0	67.2	67.5	66.8	65.3	65.8	65.2
9/16/2015	10:08	50.5	50.9	50.1	64.6	64.9	64.2	66.3	66.7	66.0	69.6	69.8	69.3
9/16/2015	10:10	48.0	48.4	47.7	62.6	63.0	62.2	63.8	64.3	63.4	67.2	67.5	66.9
9/16/2015	10:12	48.2	48.6	47.8	62.1	62.5	61.7	63.7	64.1	63.3	68.1	68.5	67.7
9/16/2015	10:14	47.2	47.4	46.5	62.9	63.3	62.6	64.1	64.4	63.7	66.5	66.9	66.2
9/16/2015	10:16	44.0	45.0	43.8	46.9	47.4	46.8	47.1	48.0	47.2	51.3	51.7	51.3
9/16/2015	10:18	44.9	45.4	44.4	45.9	46.3	45.6	45.3	45.5	45.1	51.1	51.2	50.9
9/16/2015	10:20	44.1	44.5	43.7	47.0	47.3	46.7	47.2	47.4	46.9	51.9	52.0	51.7
9/16/2015	10:22	44.1	44.5	43.7	54.9	56.0	53.8	55.8	56.8	54.5	57.7	58.1	57.2
9/16/2015	10:24	47.4	48.6	46.2	50.8	51.3	50.3	52.7	53.5	51.9	61.1	61.8	60.5
9/16/2015	10:26	42.3	43.9	41.3	52.9	53.1	52.5	54.5	54.6	54.0	66.4	66.6	66.0
9/16/2015	10:28	50.2	50.6	49.7	64.5	64.7	64.0	66.4	66.7	66.0	68.6	69.0	68.3
9/16/2015	10:30	51.3	51.8	50.8	60.8	61.4	60.6	62.5	63.2	62.4	62.3	62.8	62.0
9/16/2015	10:32	49.3	49.6	48.9	61.2	61.6	60.8	62.6	63.0	62.1	67.1	67.5	66.7
9/16/2015	10:34	49.9	50.2	49.4	62.6	63.0	62.2	64.5	64.8	64.1	67.2	67.5	66.9
9/16/2015	10:36	49.2	50.3	48.0	50.8	51.2	50.5	52.1	52.5	51.8	59.1	59.6	58.7
9/16/2015	10:38	44.5	44.9	44.1	44.6	44.8	44.3	43.6	43.9	43.4	49.8	50.0	49.6
9/16/2015	10:40	47.6	47.9	47.3	45.6	45.9	45.3	46.3	46.7	46.0	50.8	51.0	50.7
9/16/2015	10:42	45.8	46.4	45.1	47.8	48.3	47.2	48.3	48.8	47.8	59.1	59.6	58.5
9/16/2015	10:44	46.2	46.5	45.6	60.1	60.2	59.4	63.1	62.9	62.2	67.4	67.8	67.0
9/16/2015	10:46	52.9	53.4	52.3	64.8	65.2	64.4	65.6	66.3	65.4	68.0	68.4	67.5
9/16/2015	10:48	48.3	48.9	48.0	62.2	62.7	61.7	63.7	64.1	63.1	67.2	67.5	66.8
9/16/2015	10:50	51.0	51.5	50.6	62.4	62.6	61.9	64.0	64.2	63.6	67.4	67.8	67.1
9/16/2015	10:52	51.6	52.9	50.1	54.0	55.0	54.1	53.9	55.4	54.3	51.5	52.5	51.6
9/16/2015	10:54	45.3	45.8	44.9	52.5	52.5	50.2	45.3	45.6	44.8	50.4	50.6	50.1
9/16/2015	10:56	45.5	45.8	45.2	63.9	64.3	63.5	60.1	60.5	59.7	59.2	59.5	58.7
9/16/2015	10:58	48.4	49.6	47.0	51.0	51.2	50.5	50.6	51.1	50.1	61.1	61.4	60.6
9/16/2015	11:00	51.0	51.3	50.6	64.4	64.8	64.0	65.9	66.3	65.5	69.6	69.9	69.4
9/16/2015	11:02	46.2	46.5	45.9	54.1	54.5	53.5	54.5	54.7	53.9	67.4	67.7	67.0
9/16/2015	11:04	50.0	50.5	49.5	64.1	64.5	63.7	65.0	65.3	64.6	68.1	68.5	67.7
9/16/2015	11:06	50.8	51.3	50.4	62.3	62.7	62.0	64.3	64.8	63.9	63.4	64.0	63.2
9/16/2015	11:08	50.3	50.7	49.8	62.8	63.3	62.4	64.3	64.8	63.9	68.2	68.7	67.7
9/16/2015	11:10	52.6	53.0	52.2	63.4	63.8	63.0	64.6	65.0	64.3	66.9	67.2	66.6
9/16/2015	11:12	47.6	47.9	47.2	52.9	53.4	52.4	54.9	55.4	54.3	63.2	63.7	62.7
9/16/2015	11:14	50.0	50.3	49.7	55.1	55.6	54.6	57.4	58.1	56.6	64.7	65.6	63.9
9/16/2015	11:16	49.1	49.6	48.7	52.6	53.0	52.2	55.0	55.5	54.6	61.4	61.9	61.2
9/16/2015	11:18	51.4	51.8	51.1	58.8	59.5	57.9	60.8	61.5	60.1	62.3	62.7	61.7
9/16/2015	11:20	49.8	50.2	49.4	65.0	66.1	63.7	65.1	66.1	64.1	65.0	65.5	64.4
9/16/2015	11:22	52.1	53.1	51.1	62.3	63.4	61.3	63.0	64.0	61.9	63.2	63.5	62.8
9/16/2015	11:24	47.6	48.5	46.6	54.3	55.0	53.5	54.9	55.4	54.4	65.2	65.9	64.2
9/16/2015	11:26	49.4	50.6	48.2	55.8	56.5	55.1	56.7	57.5	56.0	66.6	67.4	65.9
9/16/2015	11:28	50.6	51.0	50.2	65.3	65.6	65.0	66.4	66.7	66.0	70.6	71.0	70.2
9/16/2015	11:30	52.0	52.4	51.5	64.5	64.9	64.1	65.8	66.3	65.3	69.5	69.9	69.2
9/16/2015	11:32	53.2	53.8	52.5	62.8	63.2	62.5	65.4	65.7	64.9	69.5	69.9	69.1
9/16/2015	11:34	49.0	49.4	48.6	64.8	65.3	64.1	61.7	62.3	61.3	65.9	66.6	65.2
9/16/2015	11:36	49.5	49.9	49.1	61.9	62.3	61.5	63.4	63.9	62.9	68.3	68.9	67.6
9/16/2015	11:38	49.7	50.1	49.2	63.6	64.1	63.1	64.8	65.1	64.4	68.9	69.5	68.4
9/16/2015	11:40	46.9	47.7	46.2	54.5	54.9	54.0	55.0	55.3	54.5	66.5	67.2	65.8
9/16/2015	11:42	48.7	49.1	48.2	56.9	57.5	56.3	57.7	58.2	57.2	67.2	67.9	66.6
9/16/2015	11:44	52.2	52.4	51.8	65.4	65.7	65.0	67.1	67.4	66.7	70.5	70.9	70.1
9/16/2015	11:46	50.8	51.2	50.5	63.5	63.6	62.9	65.0	65.5	64.3	68.2	68.6	67.8
9/16/2015	11:48	50.9	51.5	50.4	57.6	59.1	57.6	58.6	59.7	58.1	65.7	66.2	65.1

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/16/2015	11:50	51.2	51.6	50.8	63.1	63.5	62.6	64.8	65.2	64.3	69.0	69.3	68.6
9/16/2015	11:52	54.2	54.6	53.8	63.1	63.6	62.6	65.3	65.8	64.8	69.0	69.5	68.6
9/16/2015	11:54	51.2	51.6	51.0	54.4	55.0	54.0	55.9	56.5	55.5	64.1	64.7	63.4
9/16/2015	11:56	49.3	49.6	49.0	51.6	52.0	51.2	53.0	53.6	52.4	60.6	61.5	59.9
9/16/2015	11:58	49.4	49.8	49.0	52.9	53.2	52.5	54.0	54.3	53.5	62.4	62.9	61.9
9/16/2015	12:00	50.7	50.2	52.2	62.8	63.1	62.4	64.5	64.9	64.1	67.8	68.1	67.5
9/16/2015	12:02	50.5	50.3	51.4	60.2	60.3	59.7	61.5	61.5	60.8	70.3	70.6	70.0
9/16/2015	12:04	52.3	52.0	53.1	62.3	62.8	62.0	63.5	63.9	63.3	69.0	69.3	68.7
9/16/2015	12:06	52.6	52.2	53.6	64.1	64.5	63.7	66.0	66.4	65.6	66.5	66.8	66.2
9/16/2015	12:08	51.5	51.2	52.3	63.1	63.5	62.7	65.1	65.5	64.7	67.1	67.6	66.9
9/16/2015	12:10	45.7	45.4	46.6	60.0	60.1	59.3	62.1	62.1	61.3	67.6	68.0	67.2
9/16/2015	12:12	50.8	50.4	52.0	63.6	64.5	62.8	63.8	64.7	63.4	64.7	65.7	63.8
9/16/2015	12:14	48.1	47.6	49.6	63.4	64.4	62.3	61.1	62.1	60.0	57.6	58.4	56.7
9/16/2015	12:16	50.2	49.8	51.1	52.5	52.8	52.2	57.0	57.5	56.4	62.6	62.9	62.1
9/16/2015	12:18	49.6	49.4	50.5	59.3	59.7	59.0	61.2	61.5	60.9	66.7	67.0	66.4
9/16/2015	12:20	51.8	51.4	52.8	63.3	63.6	63.0	65.0	65.2	64.7	68.2	68.5	67.9
9/16/2015	12:22	50.8	50.4	51.8	64.6	64.9	64.3	66.3	66.6	65.9	69.7	70.0	69.4
9/16/2015	12:24	51.6	50.6	54.2	60.8	60.9	60.2	64.1	64.2	63.3	69.1	69.5	68.8
9/16/2015	12:26	50.6	50.1	52.3	61.9	62.6	61.7	61.8	62.6	61.8	67.1	67.3	66.6
9/16/2015	12:28	50.6	50.1	52.0	62.6	62.9	62.2	65.3	65.7	65.0	66.4	66.8	66.2
9/16/2015	12:30	50.0	49.5	51.2	61.5	61.8	61.1	62.2	62.6	61.8	66.5	66.9	66.3
9/16/2015	12:32	44.6	44.3	46.0	49.2	49.5	48.9	49.9	50.2	49.5	54.7	55.0	54.3
9/16/2015	12:34	49.8	49.1	51.8	52.6	52.9	52.3	52.6	52.9	52.3	58.9	59.1	58.6
9/16/2015	12:36	51.1	50.6	52.8	53.6	53.9	53.2	55.2	55.6	54.7	65.5	65.9	65.1
9/16/2015	12:38	51.4	51.0	52.5	63.0	63.3	62.6	64.8	65.1	64.5	67.1	67.5	66.9
9/16/2015	12:40	52.0	51.6	53.3	63.9	64.2	63.6	65.7	66.0	65.4	70.1	70.5	69.8
9/16/2015	12:42	47.1	46.5	49.0	54.4	54.7	54.0	55.7	56.0	55.4	66.7	66.8	66.2
9/16/2015	12:44	52.4	52.0	53.9	64.5	64.8	64.1	66.3	66.7	65.9	68.7	69.0	68.4
9/16/2015	12:46	50.7	50.2	51.9	62.6	63.0	62.2	64.0	64.3	63.6	66.8	67.2	66.5
9/16/2015	12:48	48.3	48.0	49.6	51.9	52.2	51.6	52.6	53.0	52.4	59.7	60.1	59.4
9/16/2015	12:50	47.6	47.4	48.4	68.6	69.1	68.0	63.9	64.3	63.5	63.1	63.3	62.8
9/16/2015	12:52	53.2	52.7	54.7	63.5	63.8	63.1	64.8	65.1	64.4	68.1	68.4	67.8
9/16/2015	12:54	50.9	50.6	51.8	63.1	63.4	62.7	65.0	65.4	64.5	68.1	68.4	67.8
9/16/2015	12:56	50.1	49.6	51.5	53.3	53.7	52.8	54.3	54.7	53.8	61.7	62.2	61.2
9/16/2015	12:58	49.4	49.1	50.8	58.3	58.4	57.8	61.8	61.7	61.1	70.0	70.3	69.6
9/16/2015	13:00	52.1	51.6	53.5	64.6	65.0	64.3	66.1	66.6	65.7	68.3	68.6	68.0
9/16/2015	13:02	51.0	50.5	52.7	61.4	61.9	61.1	62.7	63.2	62.4	64.5	64.8	64.2
9/16/2015	13:04	52.9	52.5	54.3	64.6	64.9	64.2	66.3	66.6	66.0	70.3	70.5	70.0
9/16/2015	13:06	49.4	48.7	52.5	55.8	56.0	55.3	58.2	58.3	57.7	68.5	68.8	68.2
9/16/2015	13:08	54.9	54.3	56.5	62.8	63.2	62.4	64.9	65.2	64.6	64.8	65.2	64.6
9/16/2015	13:10	51.1	50.5	53.0	53.1	53.4	52.8	53.7	54.1	53.3	62.6	62.8	62.3
9/16/2015	13:12	51.9	51.4	53.3	62.8	63.2	62.4	64.8	65.1	64.4	68.0	68.3	67.8
9/16/2015	13:14	49.1	48.7	50.9	53.4	53.8	53.1	55.5	55.9	55.0	64.6	65.0	64.2
9/16/2015	13:16	53.1	52.6	54.6	64.3	64.7	63.9	66.4	66.8	66.0	69.8	70.1	69.5
9/16/2015	13:18	49.9	49.4	51.1	62.1	62.4	61.7	63.8	64.1	63.4	68.7	69.1	68.4
9/16/2015	13:20	48.7	48.1	50.8	54.6	55.1	54.2	56.3	56.8	55.9	65.7	66.3	65.3
9/16/2015	13:22	46.7	46.4	47.9	56.7	56.9	56.1	59.3	59.4	58.8	70.6	70.8	70.2
9/16/2015	13:24	51.7	51.4	52.6	65.2	65.5	64.8	67.0	67.3	66.5	68.6	69.0	68.4
9/16/2015	13:26	51.6	51.4	52.4	61.0	61.6	60.7	62.5	63.1	62.3	59.5	60.0	59.3
9/16/2015	13:28	51.2	50.9	52.1	53.7	54.1	53.4	54.2	54.5	53.8	63.9	64.3	63.6
9/16/2015	13:30	48.5	48.1	49.3	59.5	59.6	59.0	62.3	62.2	61.6	68.5	68.8	68.2
9/16/2015	13:32	52.6	52.3	53.7	62.7	63.1	62.4	64.5	64.8	64.1	70.6	70.9	70.2
9/16/2015	13:34	52.2	51.8	53.4	63.2	63.7	62.9	65.0	65.6	64.7	63.9	64.3	63.7
9/16/2015	13:36	52.6	52.3	53.3	70.1	70.7	69.5	66.5	66.9	66.0	68.1	68.5	67.8
9/16/2015	13:38	52.3	52.0	53.2	59.5	60.1	59.3	60.1	60.8	60.1	66.5	67.0	66.1
9/16/2015	13:40	52.5	52.1	53.8	64.1	64.5	63.7	66.2	66.7	65.8	70.1	70.3	69.8
9/16/2015	13:42	53.8	53.6	54.4	63.5	63.9	63.2	65.6	65.9	65.3	68.1	68.4	67.8
9/16/2015	13:44	48.5	48.2	49.5	52.7	53.1	52.2	54.2	54.6	53.7	64.0	64.3	63.7
9/16/2015	13:46	50.8	49.9	54.0	61.9	62.3	61.4	63.7	64.1	63.4	68.1	68.4	67.8
9/16/2015	13:48	50.9	49.6	55.0	53.7	54.2	53.2	55.4	56.0	54.7	63.7	64.5	63.0
9/16/2015	13:50	48.7	48.4	49.7	51.3	51.7	51.0	54.5	54.9	54.2	61.2	61.7	60.8
9/16/2015	13:52	51.8	51.3	52.8	54.2	54.5	53.9	56.1	56.5	55.7	64.8	65.1	64.3
9/16/2015	13:54	54.8	53.6	58.3	60.9	61.3	60.6	62.8	63.2	62.4	69.2	69.5	68.8
9/16/2015	13:56	53.8	53.5	55.0	64.7	65.0	64.3	66.3	66.7	65.9	69.8	70.1	69.5
9/16/2015	13:58	53.1	52.9	53.8	56.5	56.9	56.2	58.4	58.7	57.9	68.6	68.9	68.2
9/16/2015	14:00	53.6	53.2	54.4	63.3	63.6	63.0	65.3	65.7	65.0	68.0	68.6	67.7
9/16/2015	14:02	52.8	52.3	54.2	63.9	64.3	63.5	65.5	66.0	65.1	67.7	68.1	67.4

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/16/2015	14:04	50.9	50.5	51.6	58.6	58.9	58.2	60.2	60.6	59.8	64.1	64.5	63.7
9/16/2015	14:06	50.5	50.4	51.2	52.4	52.9	52.0	54.3	54.8	53.8	62.9	63.3	62.4
9/16/2015	14:08	48.9	48.0	52.0	52.2	52.5	51.8	54.0	54.3	53.5	63.4	63.7	63.0
9/16/2015	14:10	50.5	50.0	51.6	61.5	61.9	61.2	63.1	63.4	62.7	68.7	69.1	68.3
9/16/2015	14:12	51.2	50.9	51.9	60.0	60.3	59.6	63.6	63.9	63.2	69.4	69.8	69.1
9/16/2015	14:14	52.9	52.5	53.7	65.6	66.0	65.1	66.4	66.7	65.9	69.3	69.6	68.9
9/16/2015	14:16	52.4	52.1	53.2	58.1	58.8	58.0	59.0	59.7	58.9	66.8	67.0	66.4
9/16/2015	14:18	51.6	51.3	52.5	63.5	63.8	63.1	65.1	65.5	64.8	69.8	70.1	69.4
9/16/2015	14:20	55.9	55.5	56.7	62.4	62.8	61.9	64.5	65.0	64.0	68.2	68.7	67.9
9/16/2015	14:22	53.0	52.8	53.7	48.8	49.2	48.5	52.3	53.1	51.7	56.9	57.3	56.8
9/16/2015	14:24	48.5	48.1	49.6	53.4	53.7	53.1	54.8	55.2	54.4	63.3	63.6	63.0
9/16/2015	14:26	51.8	51.5	52.7	61.9	62.4	61.5	63.0	63.4	62.6	67.8	68.2	67.5
9/16/2015	14:28	50.5	50.2	51.5	56.5	57.3	55.8	57.1	58.2	55.9	60.3	60.7	60.0
9/16/2015	14:30	53.5	53.3	54.2	54.6	54.8	54.3	---	---	---	63.5	63.7	63.1
9/16/2015	14:32	53.0	52.8	54.1	58.1	58.3	57.5	---	---	---	70.7	71.0	70.2
9/16/2015	14:34	52.8	52.5	53.6	65.0	65.3	64.6	---	---	---	69.9	70.3	69.6
9/16/2015	14:36	51.5	51.2	52.4	63.0	63.1	62.5	---	---	---	69.5	69.9	69.1
9/16/2015	14:38	52.5	52.1	53.5	64.6	65.1	64.2	---	---	---	69.2	69.6	68.8
9/16/2015	14:40	51.1	50.7	52.1	56.4	56.9	56.2	---	---	---	66.5	66.8	66.2
9/16/2015	14:42	47.7	47.4	48.6	57.9	58.1	57.2	---	---	---	69.5	69.9	69.1
9/16/2015	14:44	49.6	49.2	50.6	60.5	61.1	60.2	---	---	---	65.0	65.5	64.7
9/16/2015	14:46	44.3	43.9	45.4	47.4	47.6	47.1	---	---	---	55.4	55.7	55.1
9/16/2015	14:48	48.5	48.2	49.5	51.4	51.6	51.1	---	---	---	57.3	57.4	57.0
9/16/2015	14:50	48.7	48.3	50.3	55.3	55.8	54.9	---	---	---	66.9	67.2	66.5
9/16/2015	14:52	51.9	51.6	52.7	63.8	64.2	63.4	---	---	---	70.5	70.8	70.2
9/16/2015	14:54	53.9	53.6	54.7	62.3	62.6	62.0	---	---	---	69.8	70.1	69.5
9/16/2015	14:56	53.5	52.9	54.5	62.3	62.8	61.8	---	---	---	70.0	70.3	69.7
9/16/2015	14:58	53.0	52.6	54.0	62.3	62.8	61.9	---	---	---	69.6	70.1	69.2
9/16/2015	15:00	50.8	50.4	51.7	61.1	61.4	60.7	---	---	---	68.2	68.6	67.9
9/16/2015	15:02	47.7	47.5	48.5	53.8	54.2	53.5	---	---	---	65.6	66.0	65.3
9/16/2015	15:04	52.4	51.9	53.2	58.3	59.2	57.2	---	---	---	59.1	59.5	58.8
9/16/2015	15:06	54.3	54.1	55.0	54.0	54.5	53.6	50.2	51.8	47.8	61.5	62.5	60.4
9/16/2015	15:08	55.1	54.9	55.7	54.8	55.1	54.5	58.1	58.9	57.2	66.1	66.3	65.8
9/16/2015	15:10	52.2	52.0	52.8	60.9	60.7	60.0	63.8	63.8	63.2	71.0	71.5	70.6
9/16/2015	15:12	54.2	53.8	55.1	65.6	66.1	65.4	66.7	67.1	66.4	70.7	71.0	70.3
9/16/2015	15:14	54.5	54.2	55.4	63.8	64.2	63.4	65.2	65.6	64.8	71.3	71.6	71.0
9/16/2015	15:16	52.6	52.1	54.0	63.2	63.6	62.9	65.5	65.9	65.2	70.2	70.5	69.9
9/16/2015	15:18	53.4	53.0	54.1	61.2	61.7	60.8	62.4	62.8	62.0	68.3	68.7	67.9
9/16/2015	15:20	53.4	53.1	54.5	58.5	58.9	58.0	60.4	60.8	60.0	65.4	66.0	64.8
9/16/2015	15:22	51.1	50.7	52.4	68.3	68.9	67.6	62.5	62.8	62.1	57.8	58.0	57.3
9/16/2015	15:24	50.7	50.5	51.6	53.6	54.0	53.3	55.8	56.2	55.3	65.2	65.4	64.8
9/16/2015	15:26	48.3	48.0	49.5	54.5	54.8	54.1	57.3	57.7	56.8	66.2	66.5	65.8
9/16/2015	15:28	47.4	47.1	48.3	54.5	54.8	54.2	56.8	57.3	56.3	65.9	66.3	65.4
9/16/2015	15:30	50.2	49.5	52.0	54.3	54.7	53.9	56.9	57.6	56.4	68.5	68.9	67.9
9/16/2015	15:32	50.7	50.3	51.4	63.9	64.2	63.6	65.4	65.9	65.0	71.4	72.0	71.0
9/16/2015	15:34	52.8	52.4	53.7	65.0	65.4	64.6	66.6	67.0	66.3	71.0	71.4	70.5
9/16/2015	15:36	53.7	53.5	54.3	61.9	62.2	61.6	63.4	63.7	63.1	70.1	70.5	69.8
9/16/2015	15:38	51.5	51.0	52.6	61.8	62.2	61.4	63.4	63.9	62.9	67.3	67.8	66.8
9/16/2015	15:40	45.9	45.6	47.0	54.2	54.5	53.5	56.2	56.8	55.4	68.9	69.6	67.9
9/16/2015	15:42	52.9	52.7	53.7	62.1	62.5	61.7	63.7	64.1	63.3	66.8	67.5	66.7
9/16/2015	15:44	52.0	51.7	52.7	50.1	50.4	49.8	50.5	50.9	50.1	58.1	58.4	57.9
9/16/2015	15:46	53.4	53.3	54.1	51.8	52.2	51.5	52.2	52.5	51.9	58.5	58.7	58.1
9/16/2015	15:48	51.8	51.5	52.4	53.9	54.3	53.5	54.7	55.2	54.1	65.3	65.8	64.8
9/16/2015	15:50	52.4	52.1	53.4	63.8	64.3	63.3	64.8	65.1	64.4	70.1	70.5	69.6
9/16/2015	15:52	52.1	51.8	52.9	63.7	64.0	63.3	64.8	65.1	64.5	66.6	66.9	66.3
9/16/2015	15:54	49.9	49.6	50.9	68.0	67.8	66.8	65.4	65.8	64.8	66.5	67.1	66.0
9/16/2015	15:56	49.2	48.9	50.0	66.6	67.8	66.8	66.3	66.6	65.9	70.0	70.4	69.5
9/16/2015	15:58	51.0	50.6	52.0	60.6	61.4	60.5	59.8	60.6	59.7	67.7	68.4	67.1
9/16/2015	16:00	52.2	52.7	51.7	62.5	62.9	62.0	63.9	64.4	63.5	59.7	60.2	59.6
9/16/2015	16:02	50.4	50.6	50.1	52.6	53.1	52.0	53.7	54.3	53.0	65.0	66.0	64.1
9/16/2015	16:04	50.1	50.3	49.6	63.8	64.5	63.1	65.5	66.1	64.8	69.5	70.0	69.1
9/16/2015	16:06	53.3	53.7	53.0	55.1	55.8	54.7	55.5	56.6	55.2	58.7	59.5	58.2
9/16/2015	16:08	48.2	48.5	48.0	51.1	51.4	50.8	50.6	50.9	50.2	52.3	52.8	51.7
9/16/2015	16:10	50.7	50.9	50.5	52.2	53.2	51.3	55.2	56.3	54.1	60.1	61.5	58.7
9/16/2015	16:12	47.0	47.5	46.6	50.3	51.1	49.6	54.4	55.4	53.1	55.3	56.3	54.1
9/16/2015	16:14	45.6	46.0	45.1	47.6	48.0	47.0	50.8	51.7	50.0	50.8	51.5	50.1
9/16/2015	16:16	46.1	47.0	45.1	47.8	48.8	46.9	50.7	51.6	49.8	53.7	54.8	52.7

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/16/2015	16:18	47.3	47.7	47.0	47.6	47.9	47.3	48.2	48.9	47.4	46.3	46.7	46.0
9/16/2015	16:20	53.9	54.2	53.6	49.5	49.9	49.2	49.5	50.8	48.7	46.8	47.2	46.4
9/16/2015	16:22	49.3	49.5	49.1	50.2	50.5	49.8	47.7	48.2	47.2	47.7	48.2	47.2
9/16/2015	16:24	53.4	53.7	53.2	48.4	48.8	48.2	47.9	48.4	47.3	46.4	46.7	46.0
9/16/2015	16:26	49.3	49.6	49.1	51.2	51.6	50.8	48.3	48.7	47.8	45.4	46.0	44.9
9/16/2015	16:28	47.9	48.2	47.7	47.6	47.8	47.3	48.6	49.3	48.0	45.9	46.3	45.4
9/16/2015	16:30	49.8	50.0	49.5	49.2	49.5	48.9	48.7	49.4	48.0	45.1	45.5	44.8
9/17/2015	7:00	45.5	46.9	43.5	44.7	45.6	43.9	45.0	45.7	44.4	45.3	45.6	45.1
9/17/2015	7:02	48.7	50.8	46.8	45.2	46.3	44.2	45.2	45.5	45.0	45.8	46.1	45.6
9/17/2015	7:04	46.5	47.9	44.6	45.1	45.5	44.7	47.1	47.4	46.8	48.2	48.6	47.8
9/17/2015	7:06	47.7	49.1	46.4	45.7	46.0	45.2	47.0	47.4	46.7	52.5	53.6	51.2
9/17/2015	7:08	50.2	52.2	48.0	43.3	43.7	43.1	44.8	45.0	44.7	46.7	47.1	46.4
9/17/2015	7:10	48.3	49.5	46.9	42.3	42.6	41.9	43.7	44.0	43.4	45.6	45.9	45.4
9/17/2015	7:12	47.7	48.9	46.7	41.9	42.2	41.7	43.4	43.6	43.1	45.1	45.3	44.9
9/17/2015	7:14	43.8	44.7	43.0	42.3	42.8	42.0	43.9	44.2	43.6	45.6	45.9	45.4
9/17/2015	7:16	49.1	50.1	48.1	48.6	49.3	48.0	48.8	49.5	48.0	51.3	51.6	50.5
9/17/2015	7:18	46.2	47.2	43.9	58.5	59.5	57.4	59.1	59.3	58.3	62.9	63.3	62.6
9/17/2015	7:20	46.8	47.6	45.9	66.9	67.6	66.2	62.3	62.9	62.0	53.2	53.8	52.9
9/17/2015	7:22	46.7	48.1	45.0	43.0	44.0	42.0	46.6	48.5	44.7	43.9	44.1	43.8
9/17/2015	7:24	47.9	49.7	46.0	43.6	44.1	43.1	44.6	45.1	44.2	49.0	50.5	47.1
9/17/2015	7:26	47.1	48.8	45.2	43.0	43.5	42.3	44.0	44.3	43.7	49.3	49.9	48.4
9/17/2015	7:28	52.8	54.6	50.7	50.3	51.0	49.5	50.8	51.3	49.8	62.9	63.5	61.8
9/17/2015	7:30	52.3	54.0	49.9	59.2	60.0	58.3	61.4	62.0	60.5	69.1	69.8	68.6
9/17/2015	7:32	47.8	49.1	46.1	57.2	57.9	56.5	61.9	62.6	61.3	56.1	56.7	55.8
9/17/2015	7:34	41.6	43.2	40.3	53.3	53.3	53.2	54.1	54.2	54.0	49.4	49.4	49.3
9/17/2015	7:36	46.1	46.9	45.1	63.9	64.5	63.1	63.9	64.4	63.2	58.0	58.6	57.3
9/17/2015	7:38	48.9	49.8	47.9	62.2	62.8	61.7	60.2	60.7	59.6	55.6	56.3	55.0
9/17/2015	7:40	50.3	51.1	49.6	63.2	63.7	62.8	62.2	62.8	61.6	56.2	56.9	55.6
9/17/2015	7:42	41.1	41.8	40.7	52.3	52.4	52.2	53.0	53.1	52.9	49.0	49.1	48.7
9/17/2015	7:44	48.8	50.3	47.8	55.1	55.4	54.9	56.2	56.5	55.9	56.4	56.7	56.1
9/17/2015	7:46	49.9	51.5	48.3	62.4	62.9	61.8	64.2	64.8	63.6	70.1	70.5	69.5
9/17/2015	7:48	51.1	52.4	50.0	64.7	65.0	64.4	66.0	66.4	65.6	68.8	69.0	68.7
9/17/2015	7:50	47.5	48.8	46.1	69.9	70.2	69.2	65.7	66.4	65.1	65.6	65.8	65.4
9/17/2015	7:52	48.9	50.1	47.8	63.6	65.1	64.0	62.4	62.6	62.1	62.4	62.6	62.2
9/17/2015	7:54	49.8	51.2	48.5	63.4	63.9	62.9	63.4	63.8	63.0	63.5	63.7	63.3
9/17/2015	7:56	47.3	48.5	46.2	63.7	64.5	63.1	63.9	64.4	63.3	64.1	64.4	63.8
9/17/2015	7:58	49.0	49.5	48.5	65.6	65.9	65.2	65.2	65.7	64.9	63.6	63.7	63.5
9/17/2015	8:00	50.9	51.5	50.3	65.5	65.8	65.3	67.4	67.7	67.2	67.6	67.9	67.4
9/17/2015	8:02	50.7	51.2	50.3	66.4	66.6	66.2	69.0	69.3	68.7	67.7	68.6	66.5
9/17/2015	8:04	49.8	50.0	49.5	66.0	66.2	65.7	66.1	66.4	65.8	60.8	61.0	60.5
9/17/2015	8:06	49.9	50.2	49.7	65.1	65.3	64.8	67.9	68.2	67.6	59.7	60.0	59.4
9/17/2015	8:08	50.4	50.9	49.9	64.6	64.9	64.2	66.1	66.5	65.7	58.4	58.8	57.9
9/17/2015	8:10	49.0	49.2	48.8	64.8	65.1	64.6	66.9	67.2	66.6	59.7	60.0	59.4
9/17/2015	8:12	50.8	51.2	50.4	63.4	63.6	62.9	64.7	65.1	64.1	57.8	58.1	57.4
9/17/2015	8:14	47.5	47.8	47.1	66.2	66.6	65.9	69.8	70.2	69.3	70.1	70.3	69.8
9/17/2015	8:16	48.9	49.3	48.5	66.5	66.9	66.1	69.3	69.8	68.8	69.3	69.6	69.1
9/17/2015	8:18	53.0	53.5	52.6	65.5	65.8	65.3	66.8	67.1	66.5	67.5	67.7	67.1
9/17/2015	8:20	51.7	52.2	51.2	66.1	66.3	65.8	67.6	68.0	67.3	65.0	65.5	64.8
9/17/2015	8:22	54.4	55.3	53.5	67.1	67.7	66.5	68.3	69.2	67.3	68.7	70.0	67.4
9/17/2015	8:24	52.8	53.3	52.4	67.7	68.3	67.3	64.8	65.4	64.5	57.0	57.5	56.6
9/17/2015	8:26	51.4	51.7	51.0	63.5	63.7	63.2	61.5	61.9	61.2	55.6	56.0	55.3
9/17/2015	8:28	48.3	48.9	47.9	60.0	60.4	59.8	57.9	58.3	57.6	54.0	54.5	53.8
9/17/2015	8:30	45.3	46.5	44.3	52.7	52.8	52.6	52.4	52.5	52.2	50.8	51.0	50.6
9/17/2015	8:32	45.1	45.8	44.5	55.6	55.8	55.2	57.4	57.5	57.0	68.2	68.4	67.9
9/17/2015	8:34	49.1	49.5	48.8	65.8	66.1	65.5	69.3	69.7	68.9	69.8	70.0	69.5
9/17/2015	8:36	52.1	52.3	51.8	71.8	72.1	71.5	69.1	69.4	68.9	63.8	64.3	63.8
9/17/2015	8:38	51.4	51.7	51.1	67.9	68.2	67.4	67.6	68.0	67.3	66.3	66.8	65.8
9/17/2015	8:40	52.4	53.3	51.4	67.9	68.3	67.4	63.9	64.2	63.6	58.7	59.0	58.3
9/17/2015	8:42	52.8	53.5	52.2	64.8	65.1	64.5	65.4	65.9	64.8	57.0	57.4	56.7
9/17/2015	8:44	53.1	54.0	52.3	71.2	71.4	70.6	68.0	68.4	67.6	58.9	59.2	58.6
9/17/2015	8:46	51.2	52.6	49.5	62.8	64.8	63.3	59.3	60.5	58.3	54.8	55.3	54.1
9/17/2015	8:48	53.6	54.5	52.6	71.1	71.5	70.7	69.4	69.7	69.1	64.6	64.9	64.3
9/17/2015	8:50	51.2	53.0	49.4	56.3	56.7	56.3	56.5	57.5	56.7	58.5	58.5	58.1
9/17/2015	8:52	52.3	54.0	50.6	65.4	65.6	65.1	67.1	67.3	66.7	70.8	71.0	70.5
9/17/2015	8:54	54.0	55.2	52.8	65.7	65.9	65.4	66.0	66.5	65.7	59.1	59.4	58.8
9/17/2015	8:56	51.6	51.9	51.3	65.6	65.9	65.3	65.4	66.0	64.9	66.0	66.3	65.6
9/17/2015	8:58	51.6	52.0	50.9	66.2	66.5	65.9	66.0	66.5	65.5	64.9	65.4	64.5

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/17/2015	9:00	51.9	52.9	51.2	68.0	68.3	67.5	69.6	70.1	69.0	66.7	67.1	66.4
9/17/2015	9:02	50.3	51.1	49.6	64.9	65.3	64.5	65.5	66.1	65.0	58.4	58.8	57.9
9/17/2015	9:04	50.6	50.9	50.2	65.2	65.5	64.9	66.4	67.0	65.6	57.6	58.1	57.1
9/17/2015	9:06	50.9	52.3	50.2	65.3	65.6	65.0	68.7	69.1	68.2	58.5	58.8	58.2
9/17/2015	9:08	53.4	54.9	51.5	66.7	67.2	66.3	70.9	71.5	70.2	68.6	68.7	67.9
9/17/2015	9:10	53.2	54.6	51.8	66.2	66.5	65.9	67.3	67.9	66.5	68.5	69.2	68.3
9/17/2015	9:12	53.1	53.9	52.3	65.7	66.0	65.4	66.3	67.1	65.7	59.2	59.9	58.9
9/17/2015	9:14	52.9	53.8	52.1	69.5	70.0	69.0	65.9	66.6	65.3	62.1	62.3	61.7
9/17/2015	9:16	51.0	52.4	49.7	64.7	64.9	64.4	66.9	67.2	66.4	67.9	68.1	67.7
9/17/2015	9:18	50.7	51.2	50.3	65.4	65.7	65.2	65.4	65.9	64.9	57.8	58.2	57.3
9/17/2015	9:20	51.8	52.6	51.0	64.3	64.6	64.0	61.5	61.9	61.2	55.6	56.1	55.2
9/17/2015	9:22	52.1	53.1	51.1	72.4	73.1	71.8	66.2	66.7	65.7	61.3	61.7	60.4
9/17/2015	9:24	52.2	52.7	51.7	69.2	69.8	68.6	64.7	65.1	64.3	66.4	66.8	66.0
9/17/2015	9:26	52.8	53.2	52.4	67.9	68.3	67.4	64.8	65.2	64.5	69.2	69.5	68.9
9/17/2015	9:28	52.4	52.7	52.1	66.8	67.4	66.3	64.5	64.9	64.0	66.8	67.3	66.4
9/17/2015	9:30	53.0	53.6	52.3	67.9	68.5	67.3	62.2	62.5	61.8	59.1	59.4	58.7
9/17/2015	9:32	53.9	54.8	53.3	67.6	67.9	67.2	65.6	65.9	65.2	68.8	69.2	68.4
9/17/2015	9:34	54.2	55.0	53.6	67.5	67.8	67.1	64.6	65.0	64.5	58.4	58.9	58.2
9/17/2015	9:36	54.7	55.3	54.0	64.7	65.9	63.9	59.9	60.4	59.5	55.7	57.0	54.1
9/17/2015	9:38	52.4	53.0	51.8	56.8	56.8	56.7	53.6	53.7	53.5	48.0	48.1	47.7
9/17/2015	9:40	52.4	53.3	51.5	64.0	64.4	63.6	62.3	62.7	61.8	64.8	65.1	64.4
9/17/2015	9:42	49.3	50.9	47.3	61.8	62.0	61.3	60.6	60.5	59.9	68.6	68.9	68.4
9/17/2015	9:44	54.3	54.8	53.8	68.1	68.5	67.8	63.8	64.2	63.7	58.8	59.2	58.5
9/17/2015	9:46	53.3	53.8	52.7	68.8	69.3	68.3	65.7	66.2	65.2	67.4	67.7	67.0
9/17/2015	9:48	51.3	51.7	50.9	61.8	62.1	61.5	62.9	63.2	62.6	67.0	67.2	66.6
9/17/2015	9:50	41.9	42.1	41.7	58.1	58.1	58.0	60.1	60.2	59.9	63.8	64.0	63.7
9/17/2015	9:52	43.2	43.7	42.6	58.5	58.6	58.4	60.7	60.9	60.6	66.7	67.6	65.4
9/17/2015	9:54	45.6	46.4	45.0	58.6	58.7	58.5	60.6	60.8	60.5	69.1	70.3	67.8
9/17/2015	9:56	43.5	43.9	43.2	58.8	58.8	58.7	60.5	60.6	60.4	63.8	64.0	63.6
9/17/2015	9:58	42.8	43.2	42.4	58.8	58.8	58.7	60.9	61.0	60.8	62.8	62.9	62.7
9/17/2015	10:00	48.8	49.8	47.8	61.3	61.6	60.9	62.7	62.9	62.6	64.4	64.6	64.1
9/17/2015	10:02	50.0	50.9	49.1	62.7	62.9	62.4	63.5	63.7	63.3	57.8	58.3	57.7
9/17/2015	10:04	48.1	48.8	47.5	64.5	64.7	64.2	64.5	64.8	64.1	58.0	58.3	57.7
9/17/2015	10:06	48.6	49.1	48.1	66.1	66.5	65.9	66.4	66.8	65.9	59.9	60.3	59.3
9/17/2015	10:08	51.4	52.7	50.2	65.3	65.7	65.0	64.2	64.9	63.7	60.4	60.7	60.0
9/17/2015	10:10	49.6	50.1	49.2	64.5	64.8	64.2	63.1	63.5	62.7	69.0	69.3	68.7
9/17/2015	10:12	49.1	49.6	48.7	72.2	72.7	71.6	66.0	66.3	65.6	57.0	57.4	56.7
9/17/2015	10:14	48.2	48.6	47.8	61.8	62.3	61.4	62.1	62.3	61.8	55.1	55.4	54.7
9/17/2015	10:16	47.0	47.4	46.5	63.3	63.8	62.9	64.5	64.7	64.1	65.8	66.2	65.4
9/17/2015	10:18	46.4	46.8	46.0	65.3	65.9	64.7	65.0	65.3	64.7	61.8	62.2	61.6
9/17/2015	10:20	44.4	44.9	43.8	70.2	70.7	69.5	65.9	66.3	65.5	61.6	61.8	61.4
9/17/2015	10:22	46.4	46.8	46.1	74.5	75.0	73.9	70.5	71.0	70.0	65.4	65.5	65.2
9/17/2015	10:24	46.4	46.6	46.0	74.4	74.7	74.0	71.7	72.0	71.4	67.1	67.2	67.0
9/17/2015	10:26	45.2	45.6	44.8	70.9	71.3	70.5	69.4	70.0	69.1	68.0	68.2	67.8
9/17/2015	10:28	47.9	48.3	47.4	75.5	76.2	74.8	68.3	68.6	67.9	64.6	65.1	64.2
9/17/2015	10:30	51.1	51.7	50.4	73.0	73.4	72.6	69.7	70.0	69.4	63.2	63.5	63.0
9/17/2015	10:32	48.4	48.7	48.1	73.5	73.8	73.1	69.6	69.9	69.3	60.0	60.5	59.5
9/17/2015	10:34	47.2	47.6	46.7	73.0	73.4	72.6	68.9	69.4	68.4	60.6	61.0	60.0
9/17/2015	10:36	47.6	48.6	46.7	70.2	70.4	70.1	68.6	69.0	68.2	61.2	61.8	60.6
9/17/2015	10:38	48.1	48.9	47.3	72.2	72.8	71.5	66.1	66.5	65.7	56.5	56.9	56.1
9/17/2015	10:40	45.8	47.3	44.1	58.9	59.0	58.8	56.7	56.8	56.6	49.7	49.9	49.5
9/17/2015	10:42	49.8	51.6	47.8	62.8	62.8	62.4	62.6	62.5	62.0	70.3	70.6	69.9
9/17/2015	10:44	48.6	49.9	47.3	68.1	68.3	68.0	64.6	65.0	64.4	57.7	58.7	57.5
9/17/2015	10:46	47.5	49.1	45.7	67.1	67.1	67.0	61.2	61.3	61.1	54.3	54.4	54.1
9/17/2015	10:48	47.6	48.3	47.0	70.2	70.6	69.9	64.8	64.9	64.4	65.5	65.6	65.2
9/17/2015	10:50	49.0	49.7	48.4	71.2	71.8	70.4	77.3	78.5	75.6	72.0	73.0	70.9
9/17/2015	10:52	52.8	53.2	52.2	74.7	75.1	74.3	69.7	70.1	69.2	65.1	65.4	64.8
9/17/2015	10:54	51.3	51.8	50.8	73.4	73.8	73.0	70.2	70.6	69.8	61.9	62.4	61.7
9/17/2015	10:56	48.8	49.4	48.5	71.3	71.5	71.1	69.2	69.6	68.9	57.9	58.4	57.7
9/17/2015	10:58	49.4	49.8	49.0	73.1	73.4	72.7	70.3	70.7	69.9	61.1	61.4	60.6
9/17/2015	11:00	47.8	48.3	47.3	71.4	71.9	70.9	69.5	70.0	69.1	60.4	60.9	60.0
9/17/2015	11:02	45.7	46.2	45.2	60.9	61.1	60.6	64.9	65.3	64.4	60.3	60.7	59.8
9/17/2015	11:04	50.0	50.5	49.5	70.8	71.3	70.3	66.4	66.7	66.1	65.1	65.4	64.9
9/17/2015	11:06	46.9	47.4	46.5	62.5	62.6	62.4	61.4	61.5	61.3	54.7	54.9	54.3
9/17/2015	11:08	45.7	45.9	45.4	64.8	64.9	64.4	65.4	65.6	64.9	66.8	67.1	66.6
9/17/2015	11:10	48.7	49.2	48.2	70.8	71.0	70.6	77.2	78.3	76.0	64.3	65.1	63.3
9/17/2015	11:12	50.7	51.5	50.0	73.2	73.7	72.6	68.3	68.6	68.0	64.3	64.4	63.8

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/17/2015	11:14	47.2	47.6	46.8	71.7	72.0	71.3	70.4	71.0	69.6	66.3	66.7	65.9
9/17/2015	11:16	49.7	50.0	49.3	73.6	74.0	73.2	72.5	72.9	72.0	66.8	67.1	66.4
9/17/2015	11:18	47.9	48.1	47.4	73.7	74.1	73.4	73.0	73.3	72.7	67.1	67.4	66.7
9/17/2015	11:20	50.8	51.2	50.4	73.3	73.7	73.0	70.5	70.9	70.2	67.9	68.3	67.6
9/17/2015	11:22	48.2	48.9	47.7	64.2	64.5	64.0	62.8	63.0	62.6	54.4	54.7	54.1
9/17/2015	11:24	44.8	45.4	44.3	63.8	64.1	63.5	61.8	62.0	61.6	54.5	55.0	54.2
9/17/2015	11:26	45.6	45.9	45.3	72.0	72.3	71.6	70.5	71.0	69.9	62.1	62.6	61.4
9/17/2015	11:28	51.6	51.9	51.2	74.0	74.4	73.7	68.5	69.2	67.8	66.4	66.7	66.1
9/17/2015	11:30	50.4	50.7	50.1	72.0	72.2	71.7	69.0	69.6	68.4	67.9	68.4	67.4
9/17/2015	11:32	51.2	51.5	50.9	74.6	75.0	74.2	71.7	72.0	71.3	67.5	67.7	67.2
9/17/2015	11:34	55.9	57.2	54.5	75.0	75.3	74.6	69.2	69.6	68.7	66.5	66.9	66.2
9/17/2015	11:36	52.7	53.4	51.8	75.7	76.1	75.4	70.6	71.3	70.0	57.8	58.6	57.2
9/17/2015	11:38	52.0	52.4	51.7	74.7	75.0	74.4	65.0	65.7	64.3	60.6	61.8	59.5
9/17/2015	11:40	48.7	49.2	48.3	70.9	71.5	70.0	64.0	64.6	63.5	56.7	57.3	56.3
9/17/2015	11:42	46.0	46.5	45.6	67.6	68.1	67.4	60.1	60.6	59.7	53.3	53.9	52.8
9/17/2015	11:44	45.7	46.1	45.4	62.7	62.7	62.6	57.7	57.8	57.6	64.8	64.9	64.4
9/17/2015	11:46	50.4	50.7	50.1	70.4	70.7	70.0	66.0	66.3	65.6	67.3	67.7	67.0
9/17/2015	11:48	53.9	54.1	53.6	71.4	72.0	71.0	63.4	64.1	62.9	60.6	60.9	60.1

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/17/2015	11:50	51.6	51.8	51.3	69.9	70.3	69.6	67.1	67.4	66.7	69.6	69.9	69.2
9/17/2015	11:52	54.3	54.6	54.0	72.0	72.5	71.6	65.8	66.2	65.5	68.4	68.6	68.1
9/17/2015	11:54	49.7	50.3	49.2	68.7	69.1	68.5	68.7	69.5	67.9	56.6	57.5	56.4
9/17/2015	11:56	48.9	49.2	48.6	72.4	72.9	71.9	67.2	67.6	66.6	58.9	59.8	57.9
9/17/2015	11:58	52.6	53.0	52.3	75.8	76.3	75.2	69.0	69.5	68.4	57.5	58.0	56.9
9/17/2015	12:00	52.1	52.3	51.8	79.6	79.9	79.3	71.9	72.2	71.7	57.7	58.0	57.3
9/17/2015	12:02	51.9	52.1	51.7	79.1	79.6	78.5	71.0	71.4	70.4	64.8	64.9	64.4
9/17/2015	12:04	51.1	51.4	50.8	77.2	77.6	76.4	70.2	70.6	69.6	67.6	68.1	67.3
9/17/2015	12:06	52.7	53.1	52.2	76.9	77.8	76.3	69.8	70.5	69.2	58.1	58.6	57.6
9/17/2015	12:08	53.6	53.8	53.2	76.2	76.9	75.3	67.8	68.5	67.0	62.5	62.7	62.0
9/17/2015	12:10	54.0	54.4	53.8	79.0	79.3	78.0	68.6	69.0	68.0	69.6	69.9	69.3
9/17/2015	12:12	52.0	52.3	51.7	84.4	85.2	83.6	67.1	67.6	66.6	58.6	59.0	58.3
9/17/2015	12:14	52.8	53.2	52.5	80.0	81.0	78.9	65.5	66.3	64.8	58.8	59.4	58.2
9/17/2015	12:16	53.8	54.1	53.3	76.0	76.4	75.7	66.2	66.6	65.9	65.2	65.4	64.9
9/17/2015	12:18	51.9	52.4	51.6	69.2	69.4	68.5	65.4	65.7	65.1	61.4	61.6	60.8
9/17/2015	12:20	50.7	51.0	50.4	73.7	74.3	73.2	66.7	67.1	66.2	65.0	65.3	64.7
9/17/2015	12:22	49.9	50.1	49.6	75.5	76.2	74.7	68.3	68.7	68.1	64.2	64.3	63.6
9/17/2015	12:24	52.0	52.3	51.6	73.6	74.2	72.7	69.8	70.3	69.4	66.8	67.2	66.7
9/17/2015	12:26	51.7	52.1	51.2	73.6	74.2	73.1	66.2	66.6	65.8	60.1	60.3	59.7
9/17/2015	12:28	49.7	50.4	48.7	74.7	75.5	73.9	69.1	69.4	68.6	70.5	70.8	70.3
9/17/2015	12:30	51.6	52.0	51.3	75.9	76.3	75.3	69.4	70.0	68.8	57.8	58.2	57.4
9/17/2015	12:32	50.7	51.1	50.3	73.2	73.7	72.8	65.9	66.4	65.4	57.8	58.3	57.3
9/17/2015	12:34	50.2	51.0	49.5	70.9	71.2	70.7	63.7	63.9	63.4	57.2	57.5	56.7
9/17/2015	12:36	53.2	54.0	52.4	71.0	71.9	70.3	62.6	63.2	61.9	56.9	57.3	56.4

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/17/2015	12:38	54.5	55.7	53.2	66.7	67.4	66.1	59.9	60.5	59.3	56.8	57.1	56.3
9/17/2015	12:40	51.0	51.9	50.0	70.4	71.0	69.8	66.9	67.3	66.4	68.9	69.2	68.6
9/17/2015	12:42	53.5	53.8	53.1	72.0	72.5	71.4	65.4	65.8	65.0	69.6	69.9	69.2
9/17/2015	12:44	53.2	53.6	52.8	73.8	73.9	72.7	67.8	68.2	67.4	57.9	58.5	57.8
9/17/2015	12:46	51.9	52.2	51.6	71.0	72.5	71.1	61.9	62.3	61.6	57.7	58.0	57.4
9/17/2015	12:48	52.7	53.0	52.3	72.0	72.5	71.5	67.0	67.3	66.7	67.6	67.7	67.2
9/17/2015	12:50	49.5	49.9	49.2	73.6	74.2	72.9	68.9	69.5	68.3	68.1	68.5	67.8
9/17/2015	12:52	49.7	50.2	49.2	69.7	70.4	69.3	61.5	62.2	61.1	55.7	56.2	55.3
9/17/2015	12:54	52.8	53.2	52.3	71.0	71.7	70.2	62.9	63.4	62.4	59.8	59.9	59.3
9/17/2015	12:56	53.3	53.5	53.0	71.3	71.6	70.9	65.9	66.2	65.6	66.5	66.9	66.2
9/17/2015	12:58	54.7	55.0	54.4	72.8	73.3	71.8	66.7	67.1	66.3	67.0	67.4	66.6
9/17/2015	13:00	54.5	54.7	54.1	71.7	72.6	71.2	67.2	67.6	66.9	63.0	63.5	62.7
9/17/2015	13:02	54.2	54.5	54.0	72.8	73.2	72.0	68.3	68.7	67.9	69.1	69.4	68.8
9/17/2015	13:04	51.5	51.8	51.1	67.6	68.6	67.3	58.8	59.4	58.5	61.6	62.0	61.3
9/17/2015	13:06	51.9	52.3	51.5	63.5	63.7	63.2	64.8	65.0	64.5	66.0	66.2	65.7
9/17/2015	13:08	54.7	55.2	54.2	66.5	66.6	66.3	67.7	67.9	67.5	68.5	69.0	68.0
9/17/2015	13:10	53.4	53.9	52.9	68.7	68.9	68.5	68.9	69.0	68.8	62.3	62.6	61.9
9/17/2015	13:12	55.0	55.2	54.6	73.2	73.4	72.6	72.0	72.1	71.7	67.2	67.5	66.9
9/17/2015	13:14	53.0	53.4	52.8	74.3	74.7	74.0	72.0	72.4	71.7	67.2	67.5	67.0
9/17/2015	13:16	54.6	54.8	54.2	74.0	74.3	73.8	72.2	72.5	71.9	64.3	64.9	63.6
9/17/2015	13:18	56.6	56.9	56.3	74.3	74.7	74.0	69.8	70.2	69.5	62.1	62.6	61.5
9/17/2015	13:20	54.4	54.8	54.1	75.8	76.2	75.4	72.6	73.0	72.2	62.7	63.3	62.1
9/17/2015	13:22	55.8	56.1	55.5	77.3	77.6	76.9	70.3	70.8	69.9	61.7	62.4	61.1
9/17/2015	13:24	54.7	55.1	54.4	75.5	76.2	74.9	68.4	68.8	68.1	63.1	63.6	62.5
9/17/2015	13:26	54.2	54.5	54.0	72.8	73.4	72.2	68.8	69.1	68.5	64.8	65.3	64.3
9/17/2015	13:28	54.2	54.5	54.0	71.5	71.8	71.2	69.6	69.8	69.2	70.0	70.2	69.6
9/17/2015	13:30	55.4	55.7	54.9	72.5	72.9	72.2	73.1	73.3	72.8	68.2	68.4	67.9
9/17/2015	13:32	54.6	54.9	54.3	75.7	76.2	75.2	74.3	74.8	73.9	70.0	70.4	69.7
9/17/2015	13:34	55.7	56.0	55.4	74.8	75.2	74.4	73.8	74.2	73.3	67.2	67.6	66.9
9/17/2015	13:36	57.0	57.2	56.8	86.1	86.6	85.4	74.1	74.4	73.8	65.5	65.9	65.1
9/17/2015	13:38	57.5	57.7	57.2	87.9	88.2	87.5	71.1	71.3	70.9	57.4	57.9	57.1
9/17/2015	13:40	57.4	57.7	57.1	85.4	86.2	84.8	68.0	68.6	67.7	57.3	57.8	57.0
9/17/2015	13:42	51.3	51.6	51.0	78.0	78.6	77.4	70.3	70.7	69.8	62.5	63.2	61.8
9/17/2015	13:44	53.5	53.9	53.2	78.6	79.2	77.9	71.7	72.0	71.4	64.3	64.8	63.9
9/17/2015	13:46	53.9	54.1	53.5	73.9	74.4	73.5	71.7	72.0	71.3	63.2	63.7	62.7
9/17/2015	13:48	57.3	57.5	57.1	74.9	75.5	74.4	70.2	70.6	69.9	65.3	65.6	64.7
9/17/2015	13:50	55.5	55.7	55.3	73.6	74.1	73.1	71.6	71.9	71.2	70.0	70.3	69.7
9/17/2015	13:52	56.8	57.1	56.5	74.3	74.7	73.9	72.5	72.7	72.1	70.8	71.2	70.5
9/17/2015	13:54	55.3	55.5	55.1	75.0	75.4	74.6	73.7	74.0	73.4	67.9	68.2	67.5
9/17/2015	13:56	58.3	58.5	58.1	75.3	75.6	74.9	74.8	75.3	74.4	69.1	69.5	68.6
9/17/2015	13:58	57.6	57.8	57.3	75.8	76.3	75.3	72.8	73.1	72.5	64.8	65.3	64.4
9/17/2015	14:00	57.7	58.0	57.4	76.7	77.2	76.0	70.6	70.9	70.3	64.9	65.6	64.1
9/17/2015	14:02	52.8	53.1	52.5	70.2	70.4	69.9	66.5	66.8	66.2	62.3	62.8	61.6
9/17/2015	14:04	49.7	50.0	49.5	70.0	70.3	69.8	68.5	68.7	68.3	62.6	63.0	62.2
9/17/2015	14:06	50.6	50.9	50.2	69.4	69.6	69.1	70.4	70.6	70.2	64.0	64.3	63.8
9/17/2015	14:08	54.9	55.1	54.5	68.4	68.7	68.2	67.1	67.4	66.9	61.8	62.2	61.4
9/17/2015	14:10	53.7	54.1	53.3	67.2	67.4	66.9	64.5	64.8	64.2	61.8	62.0	61.5
9/17/2015	14:12	52.4	52.8	52.2	74.3	74.6	73.8	73.1	73.8	72.4	70.1	70.4	69.8
9/17/2015	14:14	55.0	55.3	54.7	76.3	76.8	76.0	71.1	71.5	70.8	69.4	69.6	69.1
9/17/2015	14:16	54.0	54.3	53.7	74.8	75.2	74.5	69.2	69.5	69.0	68.1	68.5	68.0
9/17/2015	14:18	52.4	52.7	52.1	71.7	72.1	71.4	71.0	71.2	70.7	64.9	65.2	64.5
9/17/2015	14:20	52.0	52.3	51.7	70.7	70.9	70.4	66.0	66.4	65.7	65.1	65.4	64.7
9/17/2015	14:22	51.7	52.0	51.5	71.2	71.8	70.8	63.2	63.6	62.9	67.9	68.2	67.6
9/17/2015	14:24	54.1	54.4	53.9	67.0	67.6	66.5	63.2	63.5	62.8	69.9	70.2	69.5
9/17/2015	14:26	52.8	53.1	52.6	60.7	60.9	60.4	61.0	61.4	60.7	70.7	71.1	70.4
9/17/2015	14:28	53.8	53.9	53.5	69.5	69.7	68.8	70.6	70.9	70.1	74.0	74.3	73.6
9/17/2015	14:30	54.6	54.9	54.4	69.0	69.6	68.8	63.8	64.9	63.8	70.4	70.8	70.0
9/17/2015	14:32	52.1	52.3	51.9	70.6	71.2	70.0	73.0	74.3	71.8	72.6	73.0	72.2
9/17/2015	14:34	54.0	54.2	53.7	72.9	73.3	72.5	70.7	71.1	70.4	70.2	70.5	69.9
9/17/2015	14:36	53.4	53.8	53.2	70.3	70.8	69.8	68.2	68.4	68.0	70.5	70.7	70.2
9/17/2015	14:38	52.6	52.9	52.3	71.3	71.7	71.0	68.5	68.8	68.3	72.2	72.5	71.9
9/17/2015	14:40	53.7	54.0	53.4	71.5	71.8	71.1	70.2	70.6	69.8	70.0	70.4	69.8
9/17/2015	14:42	55.3	55.7	55.0	71.1	71.5	70.7	65.5	66.1	65.2	58.1	58.6	57.8
9/17/2015	14:44	52.3	52.7	52.0	69.1	69.4	68.8	66.1	66.4	65.8	64.5	64.7	64.2
9/17/2015	14:46	52.2	52.4	51.8	72.4	72.9	71.9	70.0	70.3	69.6	68.8	69.2	68.5
9/17/2015	14:48	53.3	53.7	53.0	69.6	70.0	69.1	66.4	66.6	66.1	60.1	60.4	59.8
9/17/2015	14:50	55.7	56.2	55.2	70.0	70.7	69.2	66.4	67.0	65.9	60.0	60.6	59.4

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/17/2015	14:52	53.5	53.7	53.2	71.3	71.6	70.8	67.4	67.7	67.0	64.3	64.5	63.9
9/17/2015	14:54	56.6	56.9	56.4	75.8	76.2	75.3	71.3	71.8	70.7	60.5	61.1	60.0
9/17/2015	14:56	55.5	55.7	55.2	77.9	78.3	77.5	70.7	71.1	70.4	61.6	61.9	61.2
9/17/2015	14:58	53.8	54.1	53.6	77.0	77.5	76.6	70.9	71.2	70.5	63.2	63.5	62.9
9/17/2015	15:00	53.1	53.4	52.7	75.5	75.8	75.1	73.9	74.1	73.5	69.1	69.4	68.8
9/17/2015	15:02	54.0	54.4	53.6	72.0	72.5	71.5	68.9	69.6	68.7	65.8	66.0	65.3

Date	Time	Noise Monitor Locations (dBA)											
		Residential (NM 1)			Lower Smelter Pond (NM 2)			Lower Smelter Pond (NM 3)			Lower Smelter Pond (NM 4)		
		Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin	Leq	Lmax	Lmin
9/17/2015	15:04	54.7	55.0	54.3	72.0	72.3	71.6	68.4	68.8	67.9	64.8	65.2	64.6
9/17/2015	15:06	54.8	55.1	54.5	69.8	70.4	69.2	68.6	68.9	68.3	68.9	69.0	68.6
9/17/2015	15:08	54.7	55.0	54.3	68.5	69.3	68.0	63.9	64.3	63.5	69.5	69.8	69.3
9/17/2015	15:10	55.4	55.9	54.9	66.1	66.7	65.5	66.2	67.0	65.4	71.1	71.4	70.8
9/17/2015	15:12	55.6	55.8	55.3	62.2	62.4	61.8	65.6	65.9	65.1	73.4	73.7	73.1
9/17/2015	15:14	54.5	54.9	54.2	70.9	71.2	70.5	70.5	70.7	70.2	65.9	66.2	65.7
9/17/2015	15:16	55.3	55.6	55.0	70.9	71.3	70.5	67.9	68.4	67.6	64.5	64.9	63.9
9/17/2015	15:18	52.4	52.7	52.2	70.5	70.8	70.1	69.9	70.2	69.5	62.0	62.4	61.8
9/17/2015	15:20	52.2	52.4	51.8	71.1	71.4	70.7	70.6	70.9	70.3	67.6	67.7	67.3
9/17/2015	15:22	53.8	54.1	53.5	70.7	71.2	70.3	70.8	71.0	70.6	70.8	71.1	70.6
9/17/2015	15:24	55.5	56.1	54.8	73.0	73.5	72.4	70.2	70.8	69.7	68.0	68.5	67.6
9/17/2015	15:26	54.2	54.5	53.8	70.7	71.1	70.2	69.1	69.4	68.8	65.9	66.3	65.6
9/17/2015	15:28	55.9	56.3	55.4	72.4	72.9	71.9	72.4	72.7	72.2	66.2	66.5	65.9
9/17/2015	15:30	55.9	56.1	55.6	73.1	73.4	72.8	71.8	72.1	71.4	67.1	67.3	66.7
9/17/2015	15:32	56.2	56.5	55.8	73.8	74.2	73.4	70.1	70.3	69.8	66.2	66.6	65.8
9/17/2015	15:34	56.9	57.1	56.6	73.2	73.7	72.7	70.1	70.5	69.8	62.7	63.5	62.1
9/17/2015	15:36	56.3	56.5	56.0	73.1	73.5	72.7	68.3	68.6	68.0	63.6	64.1	63.0
9/17/2015	15:38	54.9	55.2	54.6	71.8	72.2	71.4	69.8	70.0	69.5	67.1	67.5	66.8
9/17/2015	15:40	53.8	54.3	53.5	68.5	69.2	67.9	67.6	68.0	67.3	64.7	65.2	64.2
9/17/2015	15:42	55.6	55.8	55.3	76.7	78.2	75.5	70.0	70.2	69.6	66.3	66.7	65.9
9/17/2015	15:44	54.4	54.7	54.1	71.3	71.5	71.1	66.5	67.1	66.5	60.0	60.7	59.4
9/17/2015	15:46	55.4	55.6	55.1	69.3	69.9	69.1	63.8	64.5	63.3	60.9	61.3	60.5
9/17/2015	15:48	56.2	56.5	56.0	68.8	69.2	68.5	67.7	68.1	67.4	66.0	66.3	65.7
9/17/2015	15:50	55.0	55.3	54.7	67.7	68.2	67.1	64.9	65.2	64.6	60.3	60.7	59.8
9/17/2015	15:52	55.3	55.6	55.0	67.5	68.0	67.1	66.3	66.5	66.0	62.1	62.6	61.6
9/17/2015	15:54	55.2	55.6	54.9	71.7	72.0	71.2	70.7	71.0	70.4	67.9	68.1	67.6
9/17/2015	15:56	53.7	54.0	53.5	69.4	69.9	69.0	66.4	66.9	66.0	64.3	64.9	63.7
9/17/2015	15:58	55.7	56.1	55.3	69.7	70.1	69.3	65.7	66.6	64.3	57.9	58.2	57.5
9/17/2015	16:00	54.7	55.2	54.2	66.5	67.1	65.9	62.3	63.1	61.4	62.8	64.1	61.1
9/17/2015	16:02	55.4	55.8	55.0	65.9	66.7	65.2	61.3	61.9	60.7	63.2	64.8	61.2
9/17/2015	16:04	56.2	56.5	55.9	68.6	69.0	68.2	67.8	68.2	67.3	64.8	65.3	64.3
9/17/2015	16:06	54.1	54.4	53.8	62.7	63.3	62.2	60.8	61.6	60.1	61.1	62.1	59.8
9/17/2015	16:08	52.4	52.8	52.1	55.5	56.1	54.8	58.4	59.4	57.1	60.2	61.0	58.9
9/17/2015	16:10	54.1	54.4	53.8	54.8	55.3	54.3	56.0	56.7	55.5	58.8	59.9	57.8
9/17/2015	16:12	52.4	52.7	52.0	56.2	57.0	55.3	57.5	58.3	56.4	62.8	63.7	61.7
9/17/2015	16:14	54.7	54.9	54.4	55.7	56.8	54.5	57.7	58.8	56.4	60.7	61.9	59.6
9/17/2015	16:16	53.9	54.2	53.7	56.0	56.4	55.2	54.6	55.1	53.7	56.9	57.9	55.9
9/17/2015	16:18	50.6	51.4	50.0	54.7	55.5	54.3	53.4	54.2	52.7	58.8	59.8	57.7
9/17/2015	16:20	48.9	50.3	47.4	54.9	56.1	53.4	56.8	58.3	55.1	65.0	66.4	63.2
9/17/2015	16:22	47.9	48.8	47.1	54.1	55.3	52.6	53.4	54.6	52.1	60.6	61.8	59.3
9/17/2015	16:24	46.9	47.7	46.0	54.4	55.9	52.6	53.0	54.5	51.5	61.4	62.7	59.6
9/17/2015	16:26	46.6	47.5	45.7	54.2	55.3	52.9	52.2	53.2	51.2	59.9	61.0	58.8
9/17/2015	16:28	50.2	50.5	49.9	46.5	46.8	46.2	45.5	45.9	45.1	47.3	47.5	47.1
9/17/2015	16:30	50.1	50.4	49.8	46.0	46.4	45.5	43.7	44.0	43.5	47.2	47.5	46.9

Lower Smelter Pond Noise Monitoring Report

Resolution Copper Mining

Superior, Arizona