

Appendix 49

Meadowbank and Whale Tail 2020 Noise Monitoring Program



MEADOWBANK COMPLEX

2020 Noise Monitoring Report

In Accordance with NIRB Project Certificates No.004 and No. 008

Prepared by:
Agnico Eagle Mines Limited – Meadowbank Complex

March, 2021

EXECUTIVE SUMMARY

The 2020 noise monitoring program at the Meadowbank Complex was conducted according to the Noise Monitoring and Abatement Plan (Version 4, December 2018). The objective of this program is to measure noise levels at 11 previously determined monitoring locations around the Meadowbank and Whale Tail sites, over at least two 24 h periods. Since high winds in the area tend to substantially reduce the quantity of available valid data, Agnico Eagle aims to conduct a minimum of two monitoring events of two to four days per station to fulfill monitoring objectives.

In 2020, two monitoring events were successfully completed for all stations, except R10 where the noise meter was found to have fallen over after the second event, resulting in a voided survey.

After data processing in accordance with standard methods (Alberta Energy Resource Conservation Board Directive 038), monitoring results were compared to the site's daytime target sound level (55 dBA), nighttime target sound level (45 dBA), and FEIS predictions for the monitoring locations (24-h L_{eq}).

Daytime, night-time, and 24 h L_{eq} values calculated from recorded 1-min L_{eq} values for each monitoring event and station are shown in Table 1. No exceedances of the target sound levels or FEIS predictions occurred for any station in 2020. Historical comparisons for Meadowbank and Whale Tail Haul Road sites R1 – R7 indicate no clear trends towards increasing sound levels. Historical reviews for R8 – R11 in the Whale Tail area will begin in 2021 when two years of comparable results are available for these stations.

Impacts of sensory disturbance on wildlife are determined separately through the Terrestrial Ecosystem Monitoring Plan (TEMP), and reported annually in the Wildlife Summary Report.

Table 1. Daytime, night-time, and 24-h L_{eq} values for monitoring locations R1 – R11. Day- and night-time periods with fewer than 3 hours of valid data due to unacceptable weather conditions are excluded (-). The second monitoring event for R10 was invalid because the noise meter fell over (NS). **For R5, all 1 h L_{eq} values were below the FEIS prediction of 57 dBA.

Site	Dates (M/D/2020)	FEIS Prediction	Measured Values		
		$L_{eq, 24h}$ (dBA)	$L_{eq, day}$ dBA (Target = 55 dBA)	$L_{eq, night}$ dBA (Target = 45 dBA)	$L_{eq, 24 h}$ dBA
R1	07/10 – 07/13	58 - 63	39.7	31.5	35.5
	07/19 – 07/21		34.9	37.8	37.2
R2	06/30 – 07/02	58 - 63	30.7	33.8	32.0
	08/14 – 08/16		24.2	-	-
R3	08/04 – 08/06	49 - 53	32.8	34.6	34.0
	08/22 – 08/25		40.6	34.7	39.4
R4	07/27 – 07/29	58 - 63	35.3	33.6	34.3
	08/17 – 08/20		31.6	33.1	32.1
R5	08/09 – 08/11	(1 h $L_{eqs} < 57$)**	41.1	30.5	39.4
	08/25 – 08/28		-	-	-
R6	07/04 – 07/06	40.5 - 42.5	28.8	36.6	33.1
	08/21 – 08/25		26.5	30.5	28.2
R7	07/01 – 07/04	36.2 - 40.4	33.0	38.8	36.8
	08/04 – 08/05		-	34.6	-
R8	07/16 – 07/19	36.2 – 40.4	-	27.4	-
	08/08 – 08/11		33.1	32.5	32.8
R9	07/10 – 07/13	40.4 - 45.1	39.7	31.5	35.5
	08/01 – 08/03		29.4	32.5	30.9
R10	07/24 – 07/26	36.2 – 40.4	-	-	-
	08/12 – 08/15		NS	NS	NS
R11	07/21 – 07/23	45.1 – 50.0	34.5	43.5	38.8
	08/17 – 08/19		35.9	23.9	34.7

TABLE OF CONTENTS

EXECUTIVE SUMMARY.....	II
SECTION 1 • INTRODUCTION	25
1.1 Monitoring Stations.....	25
1.1.1 R1.....	29
1.1.2 R2.....	29
1.1.3 R3.....	29
1.1.4 R4.....	29
1.1.5 R5.....	29
1.1.6 R6.....	29
1.1.7 R7.....	29
1.1.8 R8.....	30
1.1.9 R9.....	30
1.1.10 R10.....	30
1.1.11 R11.....	30
SECTION 2 • METHODS.....	31
2.1 Sound Level Meter	31
2.2 Weather Data.....	31
2.3 Field Notes.....	32
2.4 Data Analysis.....	32
2.5 Site Noise Targets and FEIS Predictions	32
SECTION 3 • RESULTS	34
3.1 R1	34
3.2 R2	35
3.3 R3	37
3.4 R4	38
3.5 R5	40
3.6 R6	41
3.7 R7	43
3.8 R8	44
3.9 R9	46
3.10 R10	48
3.11 R11	48
SECTION 4 • SUMMARY	50
4.1 Daytime, Night-time, and 24 h L_{eq}	50
4.2 Historical Comparison	51
SECTION 5 • CONCLUSION	53
SECTION 6 • ACTIONS.....	54

LIST OF TABLES

Table 1. Daytime, night-time, and 24-h L_{eq} values for monitoring locations R1 – R11. Day- and night-time periods with fewer than 3 hours of valid data are excluded (-). The second monitoring event for R10 was invalid because the noise meter fell over (NS). **For R5, all 1 h L_{eq} values were below the FEIS prediction of 57 dBA.	iii
Table 2. UTM coordinates and monitoring dates for the Meadowbank and Whale Tail noise monitoring locations (based on recorded data).	26
Table 3. FEIS predictions and target sound levels for the Meadowbank and Whale Tail sites (Cumberland, 2005; Agnico Eagle, 2018).	33
Table 4. Daytime, night-time, and 24-h L_{eq} values for monitoring locations R1 – R11. Day- and night-time periods with fewer than 3 hours of valid data are excluded (-). The second monitoring event for R10 was invalid because the noise meter fell over (NS). **For R5, all 1 h L_{eq} values were below the FEIS prediction of 57 dBA.	51

LIST OF FIGURES

Figure 1. Noise monitoring locations at the Meadowbank site.	27
Figure 2. Noise monitoring locations at the Whale Tail site.	28
Figure 3. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R1 at the Meadowbank site during monitoring event 1.	34
Figure 4. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R1 at the Meadowbank site during monitoring event 2.	35
Figure 5. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R2 at the Meadowbank site during monitoring event 1.	36
Figure 6. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R2 at the Meadowbank site during monitoring event 2.	36
Figure 7. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R3 at the Meadowbank site during monitoring event 1.	37
Figure 8. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R3 at the Meadowbank site during monitoring event 2.	38
Figure 9. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R4 at the Meadowbank site during monitoring event 1.	39
Figure 10. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R4 at the Meadowbank site during monitoring event 2.	39
Figure 11. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R5 at the Meadowbank site during monitoring event 1.	40
Figure 12. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R5 at the Meadowbank site during monitoring event 2.	41
Figure 13. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R6 at the Meadowbank site during monitoring event 1.	42
Figure 14. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R6 at the Meadowbank site during monitoring event 2.	42
Figure 15. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R7 at the Meadowbank site during monitoring event 1.	43
Figure 16. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R7 at the Meadowbank site during monitoring event 2.	44

Figure 17. 1-min Leq, Lmax and Lmin values recorded at station R8 at the Meadowbank site during monitoring event 1.	45
Figure 18. 1-min Leq, Lmax and Lmin values recorded at station R8 at the Meadowbank site during monitoring event 2.	46
Figure 19. 1-min Leq, Lmax and Lmin values recorded at station R9 at the Meadowbank site during monitoring event 1.	47
Figure 20. 1-min Leq, Lmax and Lmin values recorded at station R9 at the Meadowbank site during monitoring event 2.	47
Figure 21. 1-min Leq, Lmax and Lmin values recorded at station R10 at the Meadowbank site during monitoring event 1.	48
Figure 22. 1-min Leq, Lmax and Lmin values recorded at station R11 at the Meadowbank site during monitoring event 1.	49
Figure 23. 1-min Leq, Lmax and Lmin values recorded at station R11 at the Meadowbank site during monitoring event 2.	50
Figure 24. Historical 24-h Leq values for monitoring stations R1, R2, R3, R4, and R5 at the Meadowbank site. Dashed line indicates the maximum FEIS prediction for each station, if available.	52
Figure 25. Historical 24-h Leq values for monitoring stations R6 and R7 along the Whale Tail Haul Road. Dashed line indicates the maximum FEIS (2018 and 2019) or FEIS Addendum (2020) prediction for each station.	53

LIST OF APPENDICES

APPENDIX A:	Site Photos
APPENDIX B:	Weather Data and 1-h L_{eq} Values
APPENDIX C:	Field Logs

SECTION 1 • INTRODUCTION

Since 2008, Agnico Eagle Mines Ltd. (Agnico Eagle) has conducted outdoor noise monitoring at the Meadowbank site, near Baker Lake, Nunavut, in accordance with NIRB Project Certificate No. 004. The Noise Monitoring and Abatement Plan (Version 4; December, 2018) was recently updated to include monitoring for the Whale Tail Pit Expansion Project, according to NIRB Project Certificate No. 008. The objective of this monitoring program is to measure representative sound levels at the Meadowbank and Whale Tail sites, to document ambient levels and inform the implementation of noise mitigation measures.

1.1 MONITORING STATIONS

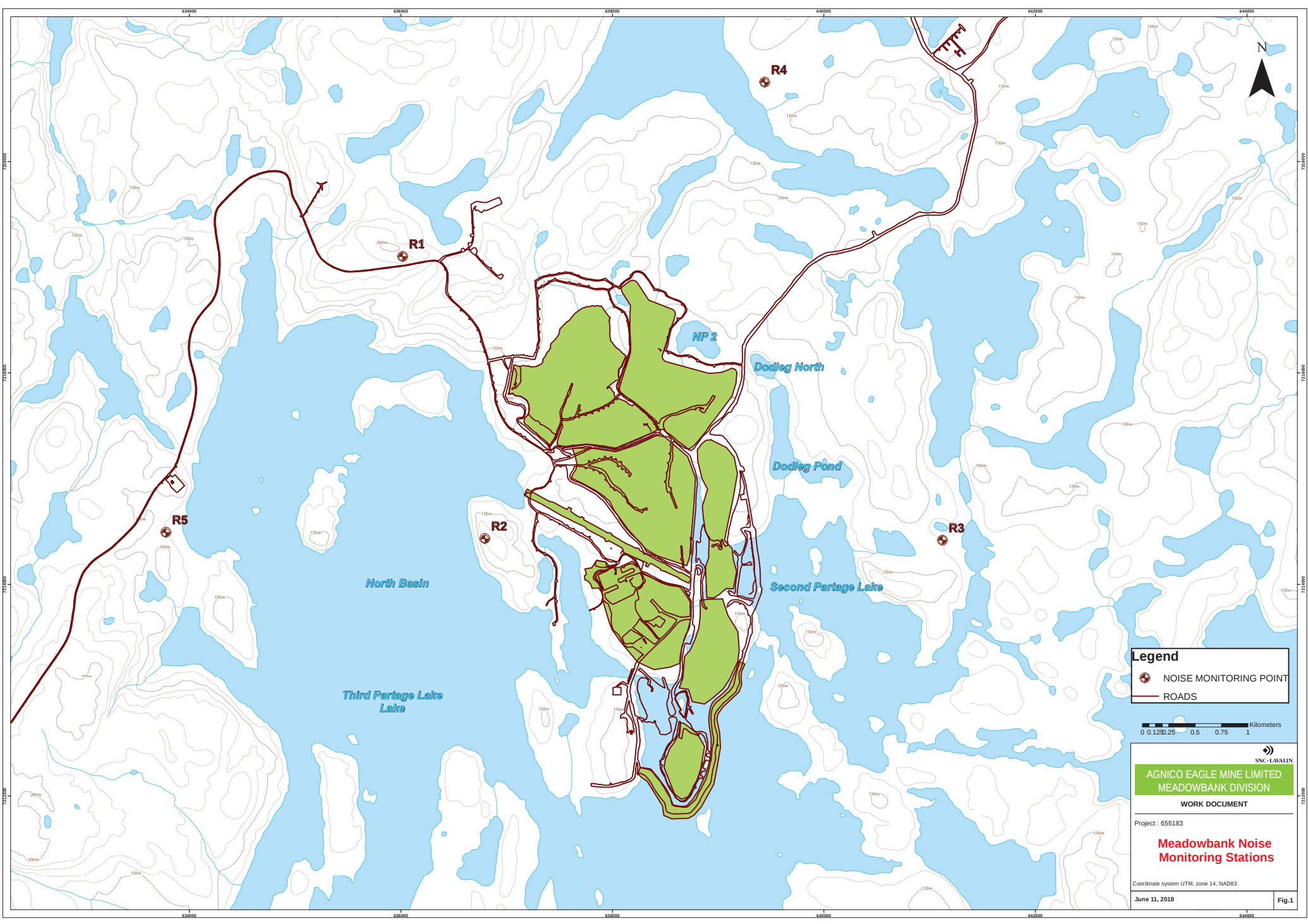
To fulfill the monitoring objectives, the Noise Monitoring and Abatement Plan (the Plan) indicates that at least two 24 h surveys of ambient outdoor noise will be conducted annually at 11 representative locations. However, due to a tendency towards sub-optimal weather conditions for noise monitoring (see Section 2.2), Agnico Eagle aims to conduct a minimum of two surveys for each location, with each survey lasting 48 hours or more.

Noise monitoring stations R1 – R5 have been in place since 2014. Sites R6 – R11 were added in 2018 due to development of the Whale Tail Pit and Haul Road, and sited according to the Noise Monitoring and Abatement Plan (Version 3 - June, 2018). In 2020, sites R8 – R11 were moved according to the Noise Monitoring and Abatement Plan (Version 4 - December, 2018) to accommodate the Whale Tail Expansion Project.

Survey dates in 2020 and UTM coordinates are provided in Table 2, and monitoring stations are shown in relation to mine site features in Figures 1 and 2. Photos of the monitoring locations are provided in Appendix A.

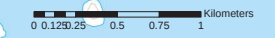
Table 2. UTM coordinates and monitoring dates for the Meadowbank and Whale Tail noise monitoring locations in 2020 (based on recorded data).

Monitoring Location	Easting	Northing	Event #	Start Time	Stop Time
R1	636149	7217332	1	7/10/20 14:09	7/13/20 9:04
			2	7/31/20 14:15	8/02/20 8:23
R2	636795	7214435	1	6/30/20 11:55	7/02/20 16:07
			2	8/14/20 14:47	8/16/20 10:12
R3	641104	7214427	1	8/04/20 15:48	8/06/20 10:38
			2	8/22/20 15:41	8/25/20 11:07
R4	639990	7218810	1	7/27/20 17:24	7/29/20 7:42
			2	8/17/20 11:33	8/20/20 15:42
R5	633781	7214493	1	8/09/20 17:40	8/11/20 10:51
			2	8/25/20 17:16	8/28/20 16:01
R6	640708	7221964	1	7/04/20 12:40	7/06/20 13:43
			2	8/21/20 16:20	8/25/20 10:15
R7	620194	7239038	1	7/01/20 10:59	7/04/20 12:49
			2	8/04/20 12:06	8/05/20 13:05
R8	612414	7256890	1	7/16/20 8:41	7/19/20 11:23
			2	8/08/20 13:14	8/11/20 14:20
R9	603301	7256750	1	7/10/20 14:09	7/13/20 9:04
			2	8/01/20 13:04	8/03/20 10:57
R10	608154	7250529	1	7/24/20 11:11	7/26/20 9:49
			2	8/12/20 14:10	8/15/20 14:35
R11	606756	7258558	1	7/21/20 9:30	7/23/20 13:40
			2	8/17/20 10:30	8/19/20 9:35



Legend

-  NOISE MONITORING POINT
-  ROADS





AGNICO EAGLE MINE LIMITED
MEADOWBANK DIVISION

WORK DOCUMENT

Project : 655183

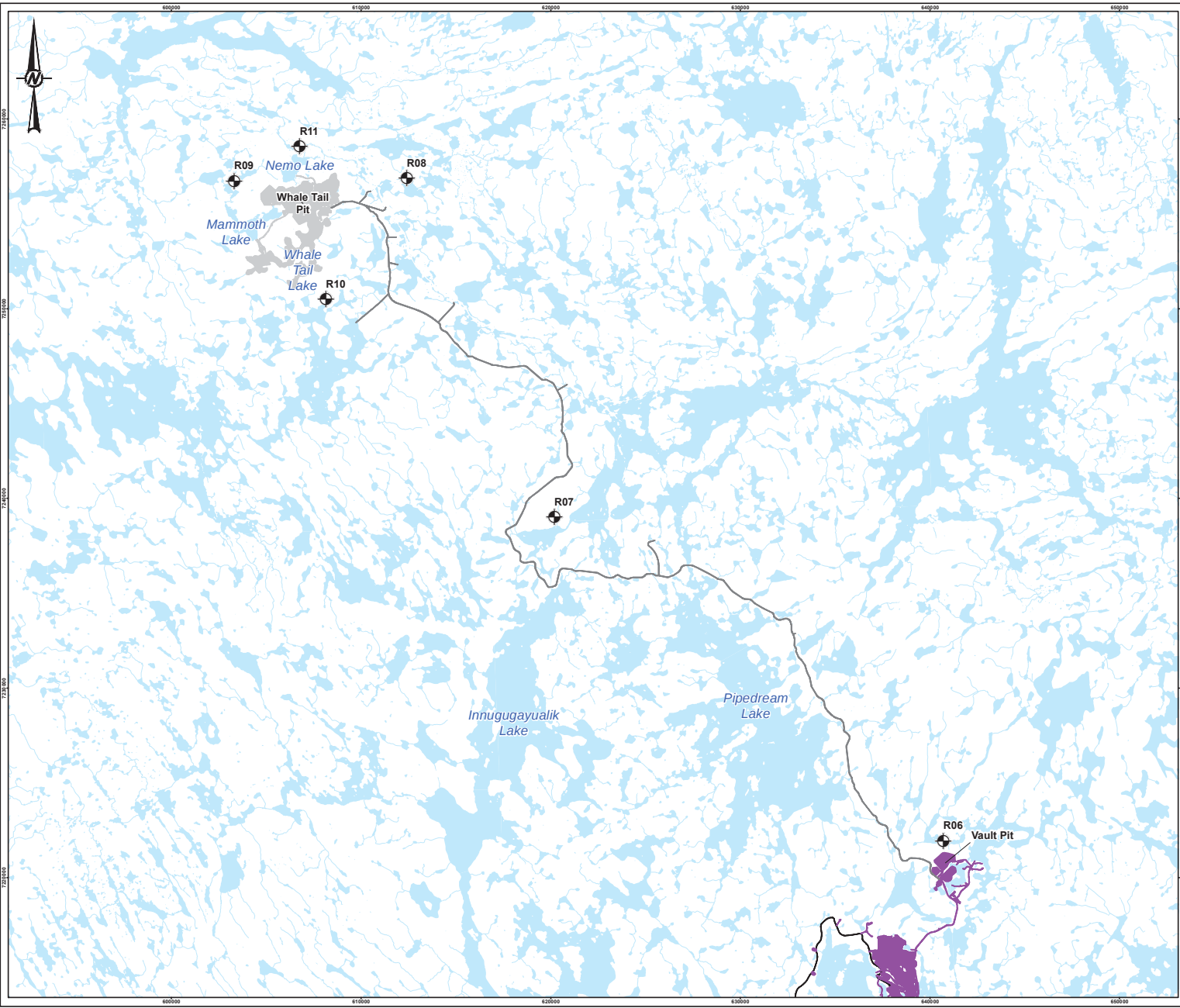
**Meadowbank Noise
Monitoring Stations**

Coordinate system UTM, zone 14, NAD83

June 11, 2018

Fig.1

\\029-Victoria\CAD\2025\4205\Agg\Map_Series_Library\Map_Series_Products\HMB\1742_Productions\4205\4205_2_Noise_Monitoring_Station\4205\4205_2_Noise_Monitoring_Station.dwg 2025-12-17 11:16:44 AM



LEGEND

- NOISE MONITORING LOCATION
- INFRASTRUCTURE
- HAUL ROAD
- MEADOWBANK OPERATION AND INFRASTRUCTURE
- WATERCOURSE
- WATERBODY

REFERENCE(S)

1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED, DRAWING AMO 20250415.DWG.
2. WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA. DATUM: NAD 83 CSRS PROJECTION: UTM ZONE 14

CLIENT**AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION**

PROJECT

WHALE TAIL PIT - EXPANSION PROJECT

TITLE

WHALE TAIL PIT EXPANSION PROJECT
NOISE MONITORING STATIONS

CONSULTANT	YYYY-MM-DD	2018-12-17
	DESIGNED	VY
	PREPARED	CDB/CN
	REVIEWED	JR
	APPROVED	DF

PROJECT NO.	CONTROL	REV.	FIGURE
1896037	4200/4205	0	2

28mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A3(11.7x16.5)

1.1.1 R1

Monitoring station R1 was initially approximately 700 m south of the explosive storage area, and 400 m northeast of the all-weather access road. A spur road and a storage area were constructed within 100 m of this location in 2011. As a result, in 2014 Agnico Eagle moved this station approximately 700 m northwest of the explosives storage area to better represent the originally intended orientation.

1.1.2 R2

Monitoring station R2 is approximately 600 m west of the airstrip. Third Portage Lake is to the west and southwest and surrounding terrain is vegetated tundra with rocky outcrops.

1.1.3 R3

Monitoring station R3 is approximately 1,800 m east of the East Dike. Second Portage Lake is to the west and east, and surrounding terrain is vegetated tundra with rocky outcrops.

1.1.4 R4

Monitoring station R4 is approximately 1,500 m southwest of Vault Pit, and less than 1 km from the Vault Haul Road. Turn Lake is to the west, and surrounding terrain is vegetated tundra with rocky outcrops.

1.1.5 R5

Monitoring station R5 is approximately 500 m south of the exploration camp and 300 m east of the all-weather access road. Third Portage Lake is immediately to the east, and surrounding terrain away from the shoreline is vegetated tundra with rocky outcrops. This location is situated on a known caribou migration route.

1.1.6 R6

Monitoring station R6 is located approximately 1,500 m east from the Whale Tail Pit Haul road and approximately 1,500 m north from the centre of Vault Pit. The terrain is relatively flat and covered by vegetation typical of tundra (i.e., low vegetation). In addition, the ground surface near the receptor is covered by scattered rocks. The waste rock storage area of the Vault Pit is located approximately 750 m south from the monitoring site.

1.1.7 R7

Monitoring station R7 is located approximately 1,500 m east from the Whale Tail Haul Road. The ground surface around the monitoring site is generally covered by typical tundra vegetation and scattered rocks.

1.1.8 R8

In 2018 and 2019, station R8 was located on an elevated plateau approximately 1,500 m northeast from the Whale Tail Pit site. The ground surface in that area is covered by typical tundra vegetation and scattered rocks. This monitoring station was 150 m east of the original baseline monitoring location due to ongoing quarrying activities.

Beginning in 2020, monitoring station R8 was moved to approximately 1,500 m east from the Whale Tail Pit Expansion Project.

1.1.9 R9

In 2018 and 2019, station R9 was located approximately 1,500 m northwest from Whale Tail Pit. The ground surface in that area is covered by typical tundra vegetation and scattered rocks.

Beginning in 2020, station R9 was re-located to approximately 1,500 m west from the Whale Tail Pit Expansion Project.

1.1.10 R10

In 2018 and 2019, station R10 was located approximately 1,000 m southeast from the Whale Tail Pit site, on the east side of Whale Tail Lake.

Beginning in 2020, this station was re-located to approximately 1,500 m south from the Whale Tail Pit Expansion Project.

1.1.11 R11

In 2018 and 2019, station R11 was located approximately 1,000 m north from the Whale Tail Pit site, on the east side of Nemo Lake.

Beginning in 2020, station R11 was re-located to approximately 1,500 m north from the Whale Tail Pit Expansion Project.

SECTION 2 • METHODS

In 2020, Agnico Eagle technicians conducted noise surveys at each of the locations described in Section 1.1. These surveys provide data on average noise levels during a typical day, as well as variability of noise levels within the day.

2.1 SOUND LEVEL METER

For all stations a Bruel and Kjaer Model 2250 integrating sound level meter was used to conduct the noise survey. As in the past, the sound level logging rate was set at one-minute intervals.

The parameters logged each minute included:

- Integrated equivalent A-weighted sound level - L_{Aeq}
- Absolute maximum sound level, in dBA – L_{max}
- Absolute minimum sound level, in dBA – L_{min}
- Statistical data - L_{10} , L_{90}

Sound recordings were also obtained for the complete duration of all monitoring events to facilitate data interpretation.

Calibration of the instrument was performed before and after each monitoring event using a Bruel and Kjaer Type 4231 Calibrator, to ensure variance was within 0.5 dB (see field notes, Appendix B). Estimated uncertainty of the calibrator is ± 0.12 dB at a 99% confidence level.

2.2 WEATHER DATA

Weather data for the noise monitoring periods was collected using the mine site's permanent weather stations. The Meadowbank site weather station data was used for analysis of noise monitoring stations R1 – R6, and the Whale Tail site weather station data was used for analysis of noise monitoring stations R7 – R11. Hourly data for wind, temperature and relative humidity was available from these stations.

The Alberta Energy Regulator Directive 038 (AER, 2007) identifies preferred weather conditions for data to be used in noise complaint investigations because wind and precipitation can affect noise levels. Based on these guidelines, noise monitoring data was filtered to remove measurements collected outside of conditions where wind speed exceeded 15 km/h (4.17 m/s) or relative humidity exceeded 90% (assuming precipitation occurred), prior to data analysis. Average hourly humidity and wind speed values were used, since filtering based on maximum values has historically resulted in exclusion of nearly the entire noise dataset. Weather data (wind speed, wind direction, temperature, and humidity) are provided in Appendix B.

In 2020, as in all previous years, wind speeds commonly exceeded preferred levels, so the available data was significantly reduced.

2.3 FIELD NOTES

A pocket weather meter (Kestrel 3000) was used by field staff to record wind speed, direction and temperature at the beginning and end of each monitoring period. Other observations included precipitation, cloud cover and observed noise sources during instrument set-up and take-down. All field observations are provided in Appendix C.

2.4 DATA ANALYSIS

Since noise levels constantly vary over time, the monitoring instrument used at Meadowbank Complex measures continuously and records a single-number value for each minute, representing the equivalent sound level (L_{eq}).

All datapoints associated with the first and last hour of measurement were filtered out to remove noise from technicians, and to ensure more than 30 min of data contributed to hourly averages.

Recorded one-minute L_{eq} values were then used to calculate hourly equivalent noise levels ($L_{eq, 1h}$). After filtering based on weather considerations in accordance with Directive 038 (Section 2.2), valid hourly L_{eq} values were energy-averaged across calendar days within a monitoring event (2 – 4 sequential days) and average values for each hour were used to calculate daytime (7am-11pm), night-time (11pm-7am) and 24 h L_{eq} values for each event. This approach was taken beginning in 2016 due to the frequency of high-wind conditions, in order to maximize the utility of the available data, and obtain day- and night-time L_{eq} values with at least 3 h of coverage.

When calculated L_{eq} values exceeded FEIS predictions or noise targets, sound recordings were reviewed to identify and if appropriate, remove noise data dominated by background noise sources unrelated to mine activity, and causing recorded 1-min L_{eq} values in excess of FEIS predictions or noise targets (e.g. wind gusts, ongoing animal disturbance in close proximity to the microphone, human interference). After this second data filtering, hourly L_{eq} values with less than 30 min of valid data were excluded from calculations, in accordance with Directive 038. Similarly, day- and night-time, and 24-h L_{eq} values were only calculated when more than 180 valid minutes were available from each of the daytime and nighttime periods.

These final L_{eq} values were compared to FEIS predictions and the site's noise monitoring criteria (see Table 3).

2.5 SITE NOISE TARGETS AND FEIS PREDICTIONS

Although no residential receptors are located nearby, Agnico Eagle aims to meet target sound levels identified in Environment Canada's "Environmental Code of Practice for Metal Mines" (2009) for all monitoring locations. These values are 55 dBA (daytime) and 45 dBA (night-time).

For all monitoring stations, results are also compared to predictions of sound levels made in the Project FEIS documents for each location (Cumberland, 2005; Agnico Eagle, 2018).

Predictions for Whale Tail pit sites (R6 – R11) have been adjusted to include contributions from background sound levels (39 dBA for R6, 30 dBA for R7-R11), as measured in the impact assessment for that project (Agnico Eagle, 2018). For the initial EIS (sites R1 – R5; Cumberland, 2005), contributions from background noise were assumed to be negligible in comparison to project-related noise, and were not quantified, so no adjustment was made.

While noise modeling for EIS purposes determines a single sound pressure level produced by the Project activities at a given location, in reality, noise levels vary over time, depending on contributions from background sources, wind direction, ongoing activities, etc. FEIS predictions are therefore compared to the 24-h L_{eq} calculated from monitoring results, which represents the average sound pressure level produced by all sources over the course of a day.

It is noted that in the FEIS Addendum for the Whale Tail Pit (Agnico Eagle, 2018), noise impacts were assessed by comparing modeled Project sound levels at the noise local study area (LSA) boundary (5 km from the Project footprint) with Permissible Sound Levels from AER Directive 038 (40 dBA night-time, 50 dBA daytime). Since all the regular monitoring locations for the Whale Tail site are located well within the noise LSA (closer to project infrastructure), monitoring results are not compared to the PSL at this time. In accordance with noise mitigation measures listed in the FEIS Addendum (Volume 3, Appendix 3-C, Table 3-C-1), periodic far-field monitoring will be conducted at the LSA boundary to validate modeling and confirm adherence with the PSL. This far-field monitoring is currently scheduled for 2022, to coincide with the anticipated year of maximum production and maximum sound emissions, as indicated in the FEIS Addendum.

Table 3. FEIS predictions and target sound levels for the Meadowbank and Whale Tail sites (Cumberland, 2005; Agnico Eagle, 2018).

Location	FEIS Prediction L_{eq-24h} (dBA)	Daytime Target $L_{eq-daytime}$ (dBA)	Night-time Target $L_{eq-night-time}$ (dBA)
R1	58-63	55	45
R2	58-63	55	45
R3	49-53	55	45
R4	58-63	55	45
R5	(all 1 hr $L_{eq} < 57$)	55	45
R6	40.5 - 42.5	55	45
R7	36.2 - 40.4	55	45
R8	36.2 – 40.4	55	45
R9	40.4 - 45.1	55	45
R10	36.2 – 40.4	55	45
R11	45.1 – 50.0	55	45

SECTION 3 • RESULTS

3.1 R1

Recorded 1-min L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) during monitoring events 1 and 2 at R1 are shown in Figure 3 and 4. Invalid data points filtered out prior to data analysis (as described in Section 2.4) are indicated for reference (LA_{eq} -unfiltered).

For station R1, 12 h of valid data were available from the first monitoring event (July 10 - 13). For this event, 68 h were filtered out due to recorded weather conditions or set-up/take-down. For the second monitoring event (July 31 – August 2), 27 h of valid data were available after 43 h were filtered out due to recorded weather conditions or set-up/take-down. No secondary filtering was required for either event.

Final calculated daytime, night-time, and 24-h L_{eq} values are provided in Section 4. No exceedances of site noise targets or FEIS predictions occurred.

Weather data and hourly L_{eq} values for all noise monitoring events are provided in Appendix B.

Noise sources noted in the field log at this location include AWAR traffic, ongoing activities at the nearby emulsion plant, and aircraft (Appendix C).

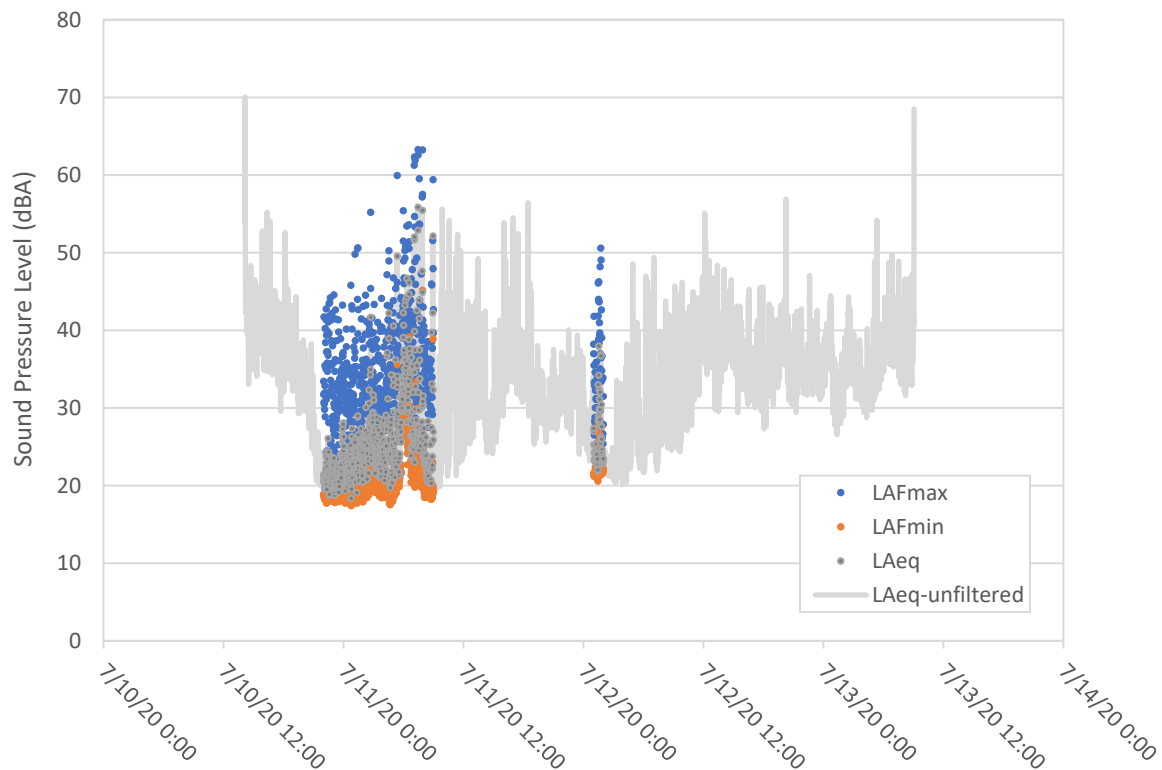


Figure 3. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R1 at the Meadowbank site during monitoring event 1.

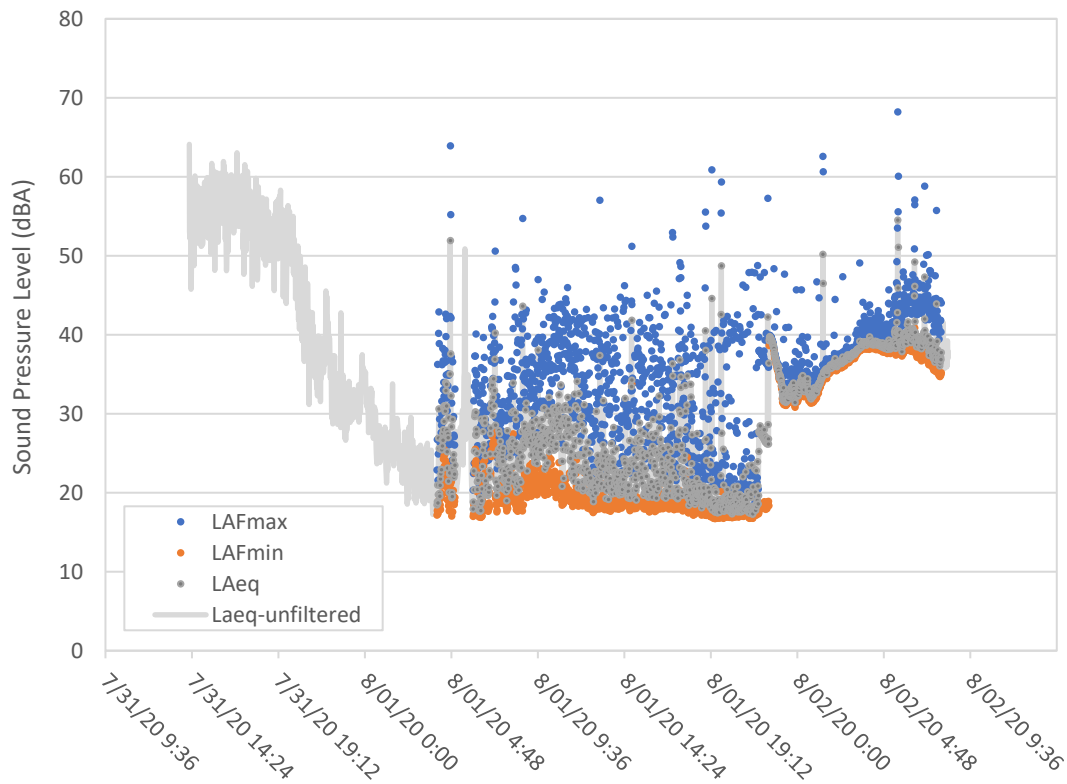


Figure 4. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R1 at the Meadowbank site during monitoring event 2.

3.2 R2

Recorded 1-min L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) during monitoring events 1 and 2 at R2 are shown in Figure 5 and 6. Invalid data points filtered out prior to data analyses (as described in Section 2.4) are indicated for reference (L_{Aeq} -unfiltered).

For station R2, 30 h of valid data were available from the first monitoring event (June 30 – July 2). For this event, 54 h were filtered out due to recorded weather conditions or set-up/take-down. For the second monitoring event (August 14 - 16), 5 h of valid data were available after 45 h were filtered out due to recorded weather conditions or set-up/take-down. No secondary filtering was required for either event.

Final calculated daytime, night-time, and 24-h L_{eq} values for each monitoring event are provided in Section 4. The 24-h and night-time L_{eq} were not calculated for event 2, because no valid data was available from the night-time period after data filtering based on weather conditions. No exceedances of site noise targets or FEIS predictions occurred.

Weather data and hourly L_{eq} values for all noise monitoring events are provided in Appendix B.

Noise sources noted in the field log at this location include insects and waves (Appendix C).

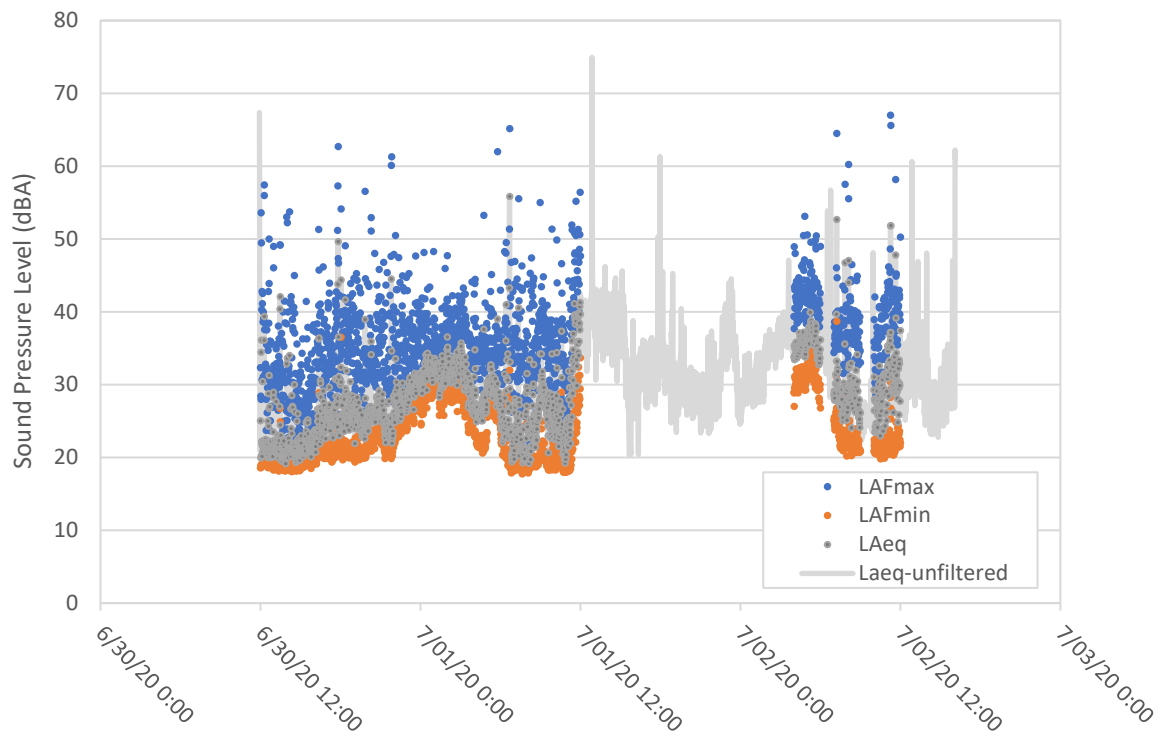


Figure 5. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R2 at the Meadowbank site during monitoring event 1.

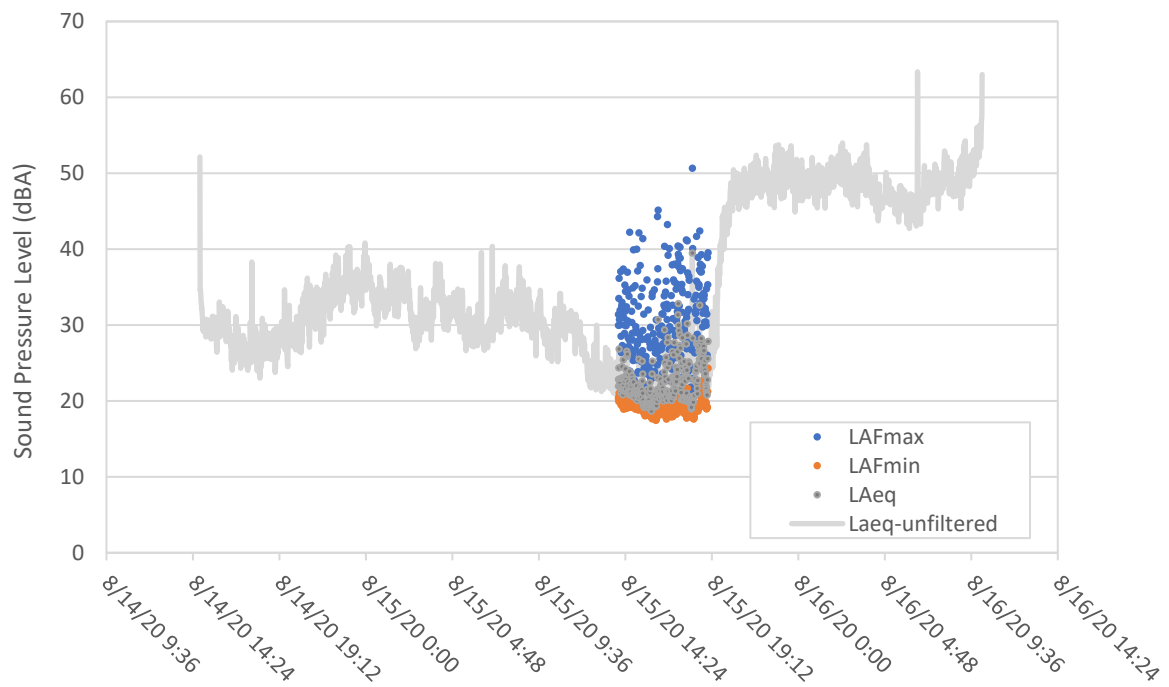


Figure 6. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R2 at the Meadowbank site during monitoring event 2.

3.3 R3

Recorded 1-min L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) during monitoring events 1 and 2 at R3 are shown in Figure 7 and 8. Invalid data points filtered out prior to data analyses (as described in Section 2.4) are indicated for reference (LA_{eq} -unfiltered).

For station R3, 22 h of valid data were available from the first monitoring event (August 4 - 6). For this event, 44 h were filtered out due to recorded weather conditions or set-up/take-down. For the second monitoring event (August 22 - 25), 50 h of valid data were available after 69 h were filtered out due to recorded weather conditions or set-up/take-down. No secondary filtering was required for either event.

Final calculated daytime, night-time, and 24-h L_{eq} values for each monitoring event are provided in Section 4. L_{eq} values were not calculated for the first monitoring event, due to insufficient valid data after filtering based on recorded weather conditions.

Weather data and hourly L_{eq} values for both events are provided in Appendix B.

Audible noises previously noted in the field log at this location include mine traffic, air traffic, birds and waves. Only possible animal noise sources were noted in 2020 (Appendix C).

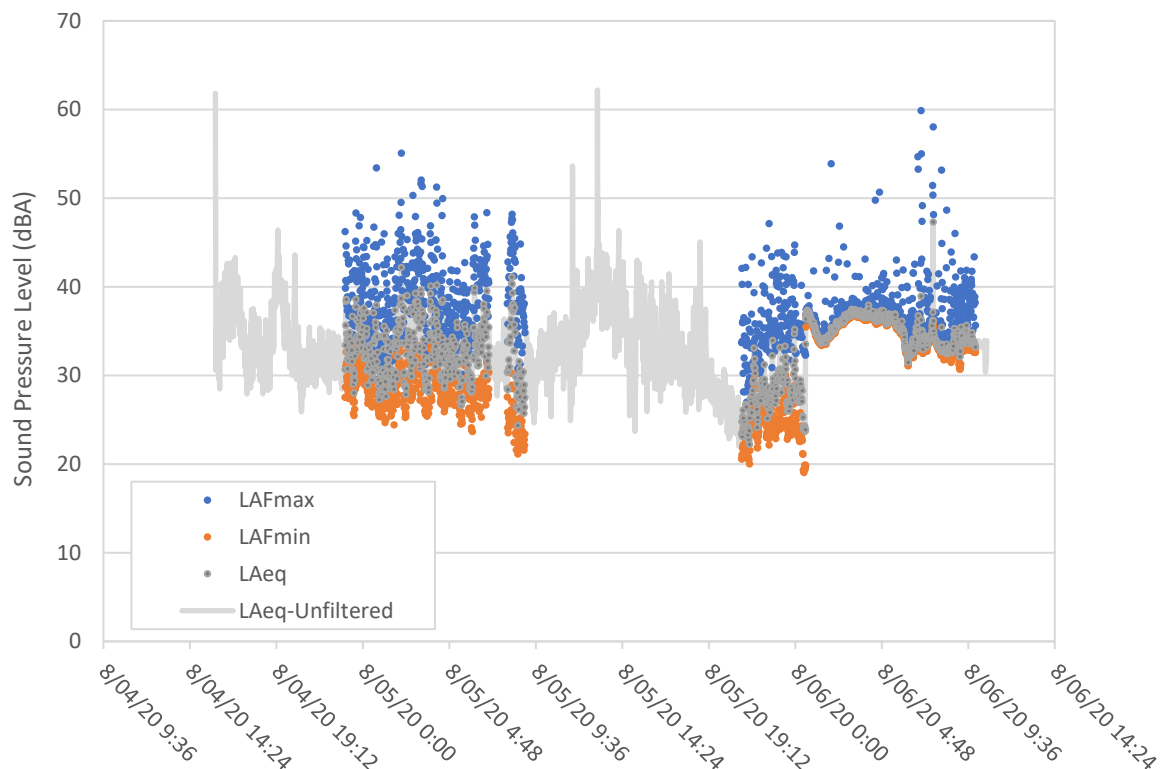


Figure 7. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R3 at the Meadowbank site during monitoring event 1.

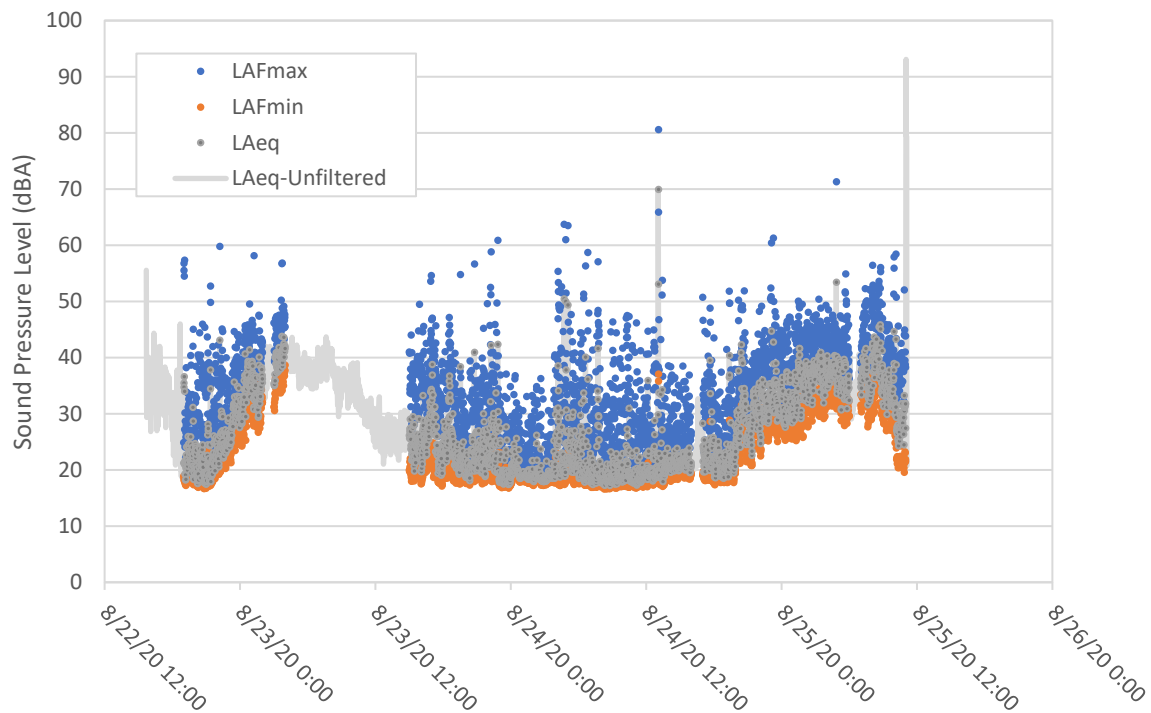


Figure 8. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R3 at the Meadowbank site during monitoring event 2.

3.4 R4

Recorded 1-min L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) during monitoring events 1 and 2 at R4 are shown in Figure 9 and 10. Invalid data points filtered out prior to data analysis (as described in Section 2.4) are indicated for reference (L_{Aeq} -unfiltered).

For station R4, 13 h of valid data were available from the first monitoring event (July 27 - 29). For this event, 41 h were filtered out due to recorded weather conditions or set-up/take-down. For the second monitoring event (August 17 - 20), 30 h of valid data were available after 77 h were filtered out due to recorded weather conditions or set-up/take-down. No secondary filtering was required for either event.

Weather data and hourly L_{eq} values for both events are provided in Appendix B. No exceedances of site noise targets or FEIS predictions occurred.

Noises noted in the field log for this location include waves, mine traffic (road 1 km away), and animals (Appendix C).

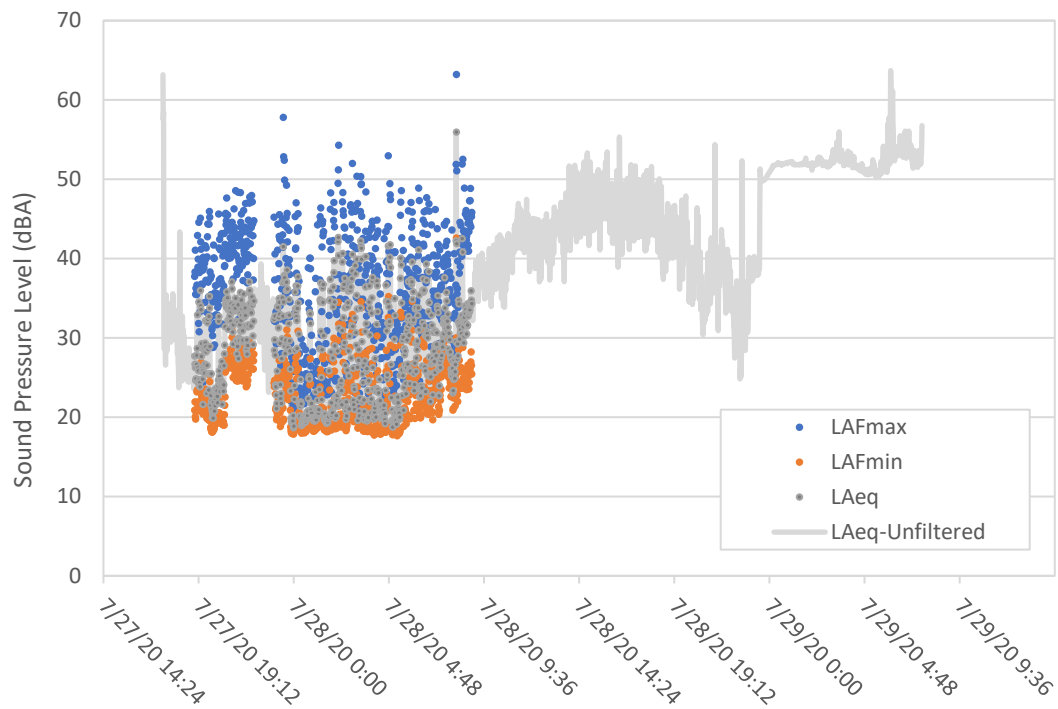


Figure 9. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R4 at the Meadowbank site during monitoring event 1.

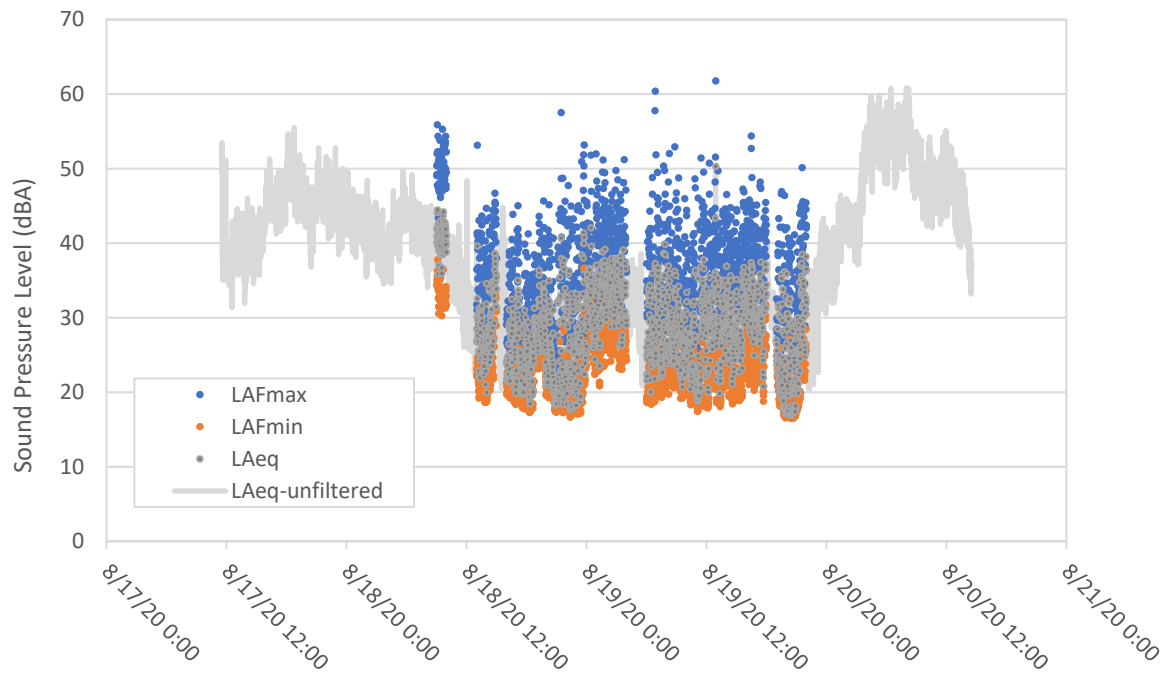


Figure 10. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R4 at the Meadowbank site during monitoring event 2.

3.5 R5

Recorded 1-min L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) during monitoring events 1 and 2 at R5 are shown in Figure 11 and 12. Invalid data points filtered out prior to data analysis (as described in Section 2.4) are indicated for reference (LA_{eq} -unfiltered).

For station R5, 11 h of valid data were available from the first monitoring event (August 9 - 11). For this event, 42 h were filtered out due to recorded weather conditions or set-up/take-down. For the second monitoring event (August 25 - 28), 3 h of valid data were available after 72 h were filtered out due to recorded weather conditions or set-up/take-down. No secondary filtering was required for either event.

Final calculated daytime, night-time, and 24-h L_{eq} values for monitoring event 1 are provided in Section 4. L_{eq} values were not calculated for event 2, because only 2 h of valid day-time data and 1 h of valid night-time data were available after data filtering based on recorded weather conditions.

Weather data and hourly L_{eq} values for both events are provided in Appendix B.

Audible noises noted in the field log for this location include traffic and animal sounds. Exploration activities related to the Amaruq project between 2014 and 2017 resulted in higher helicopter traffic throughout the summer months, but since construction of the road to Whale Tail was completed in 2018, and a helicopter pad was installed at the Meadowbank airstrip, there has been limited helicopter traffic around R5 since that time.

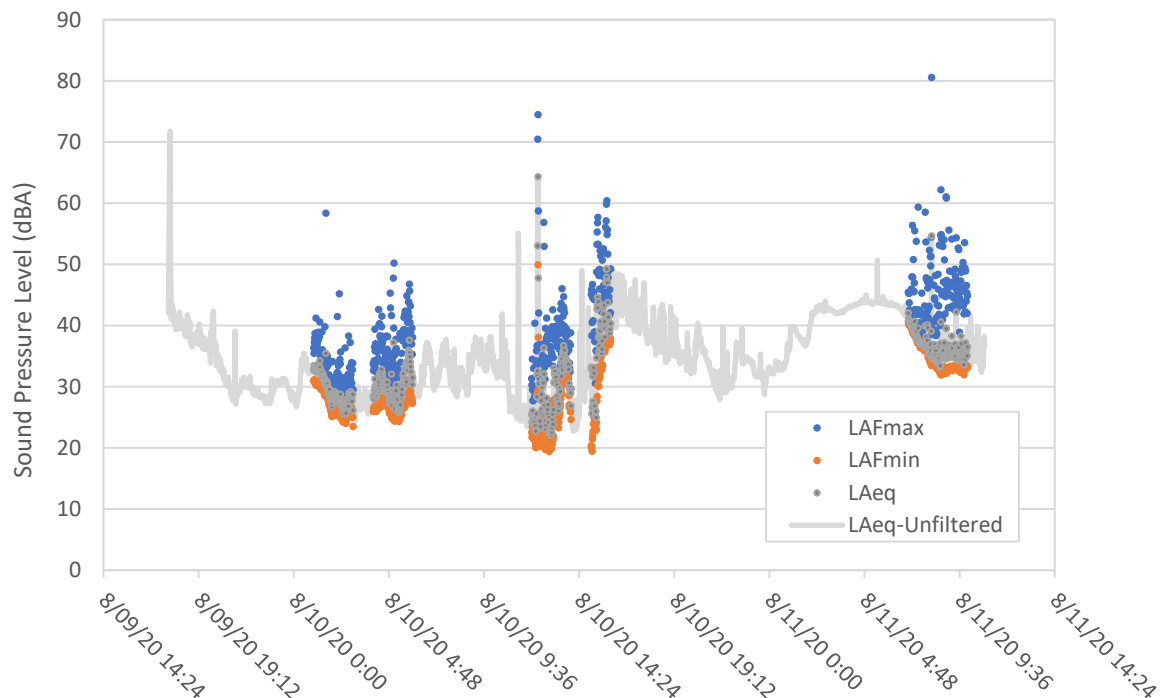


Figure 11. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R5 at the Meadowbank site during monitoring event 1.

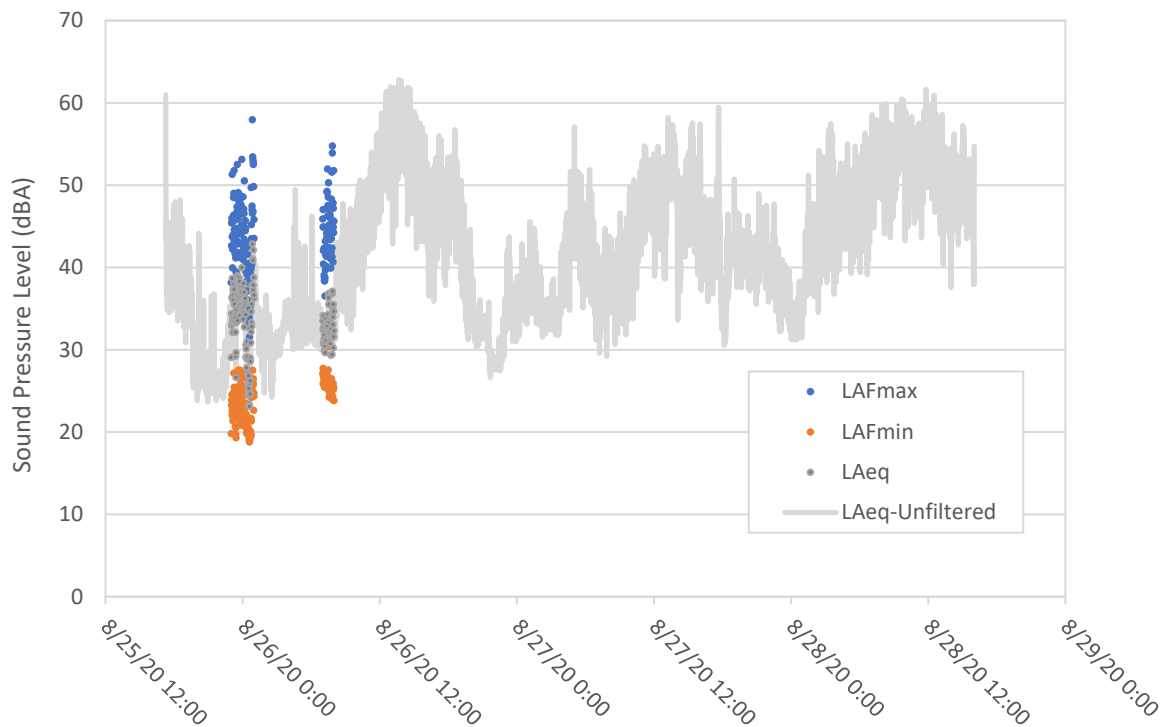


Figure 12. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R5 at the Meadowbank site during monitoring event 2.

3.6 R6

Recorded 1-min L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) during monitoring events 1 and 2 at R6 are shown in Figure 13 and 14. Invalid data points filtered out prior to data analysis (as described in Section 2.4) are indicated for reference (LA_{eq} -unfiltered).

For station R6, 32 h of valid data were available from the first monitoring event (July 4 - 6). For this event, 50 h were filtered out due to recorded weather conditions or set-up/take-down. For the second monitoring event (August 22 - 25), 49 h of valid data were available after 91 h were filtered out due to recorded weather conditions or set-up/take-down. No secondary filtering was required for either event.

Final calculated daytime, night-time, and 24-h L_{eq} values for monitoring events 1 and 2 are provided in Section 4. No exceedances of site noise targets or FEIS predictions occurred.

Weather data and hourly L_{eq} values for both events are provided in Appendix B.

Audible noises noted in the field log at this location include traffic (Appendix C).

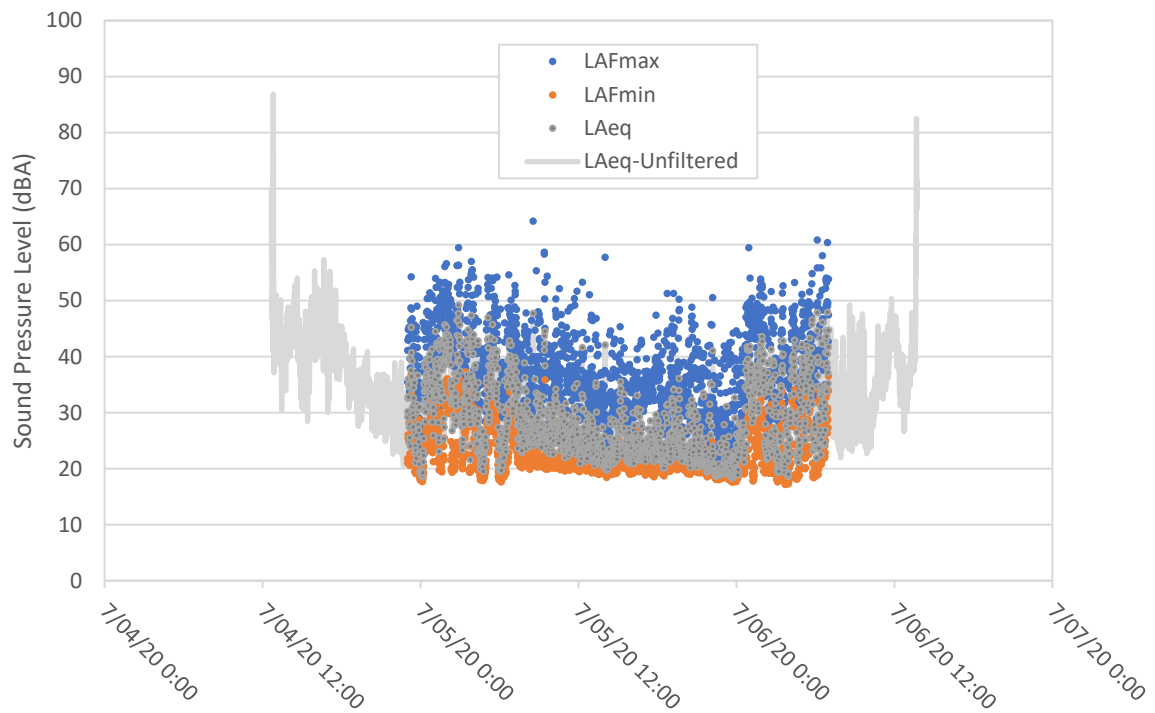


Figure 13. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R6 at the Meadowbank site during monitoring event 1.

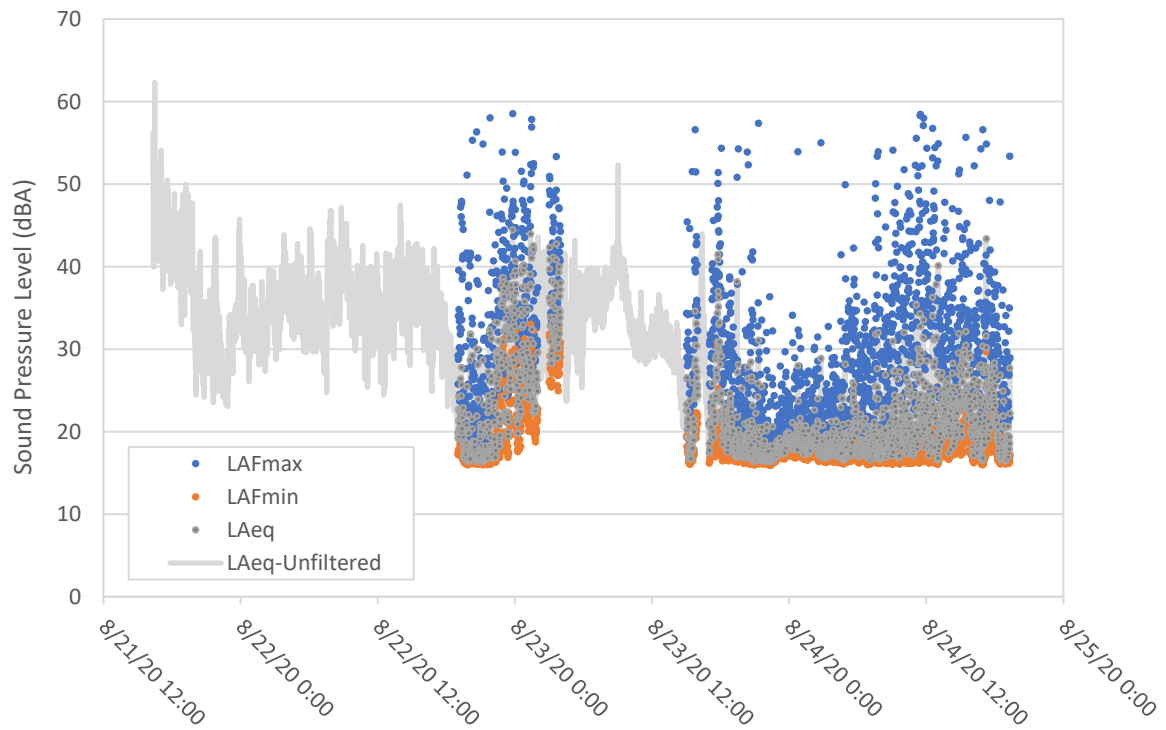


Figure 14. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R6 at the Meadowbank site during monitoring event 2.

3.7 R7

Recorded 1-min L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) during monitoring events 1 and 2 at R7 are shown in Figure 15 and 16. Invalid data points filtered out prior to data analysis (as described in Section 2.4) are indicated for reference (L_{Aeq} -unfiltered).

For station R7, 27 h of valid data were available from the first monitoring event (July 1 - 4). For this event, 75 h were filtered out due to recorded weather conditions or set-up/take-down. For the second monitoring event (August 4 - 5), 6 h of valid data were available after 26 h were filtered out due to recorded weather conditions or set-up/take-down. No secondary filtering was required for either event.

Final calculated daytime, night-time, and 24-h L_{eq} values for monitoring events 1 and 2 are provided in Section 4. The daytime and 24-h L_{eq} were not calculated for event 2, because only 1 h of valid daytime data was available after filtering based on recorded weather conditions. No exceedances of site noise targets or FEIS predictions occurred.

Weather data and hourly L_{eq} values for both events are provided in Appendix B.

Audible noises noted in the field log at this location include traffic and a drilling campaign approximately 1 km from the station during event 2 (Appendix C).

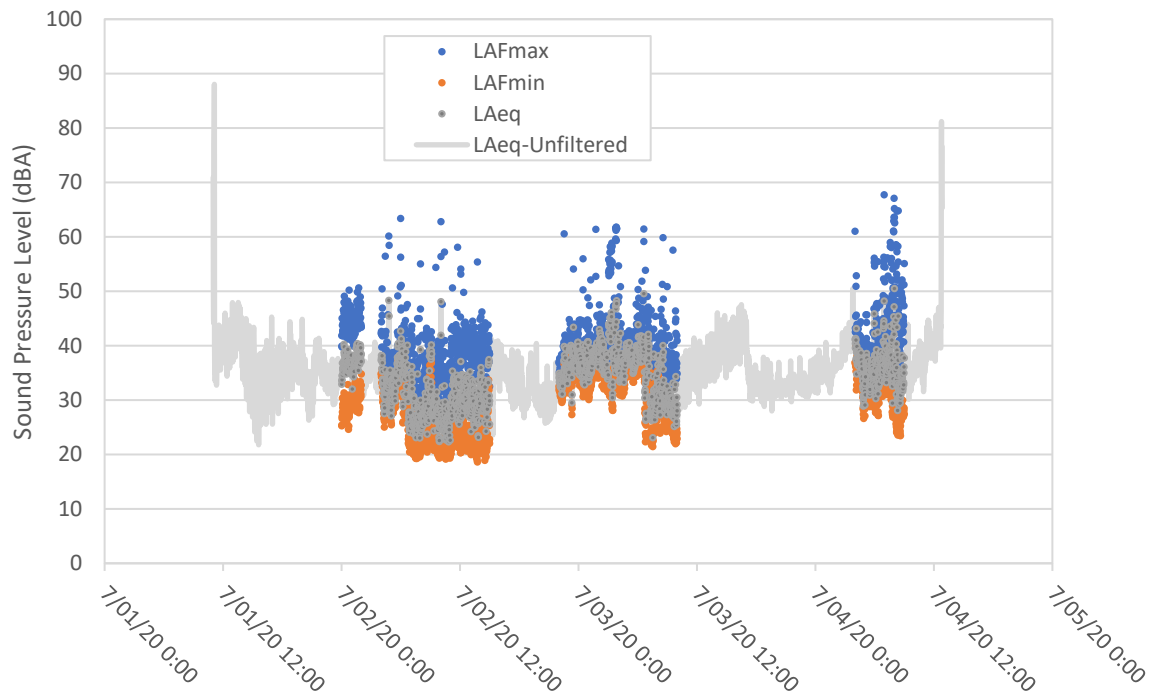


Figure 15. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R7 at the Meadowbank site during monitoring event 1.

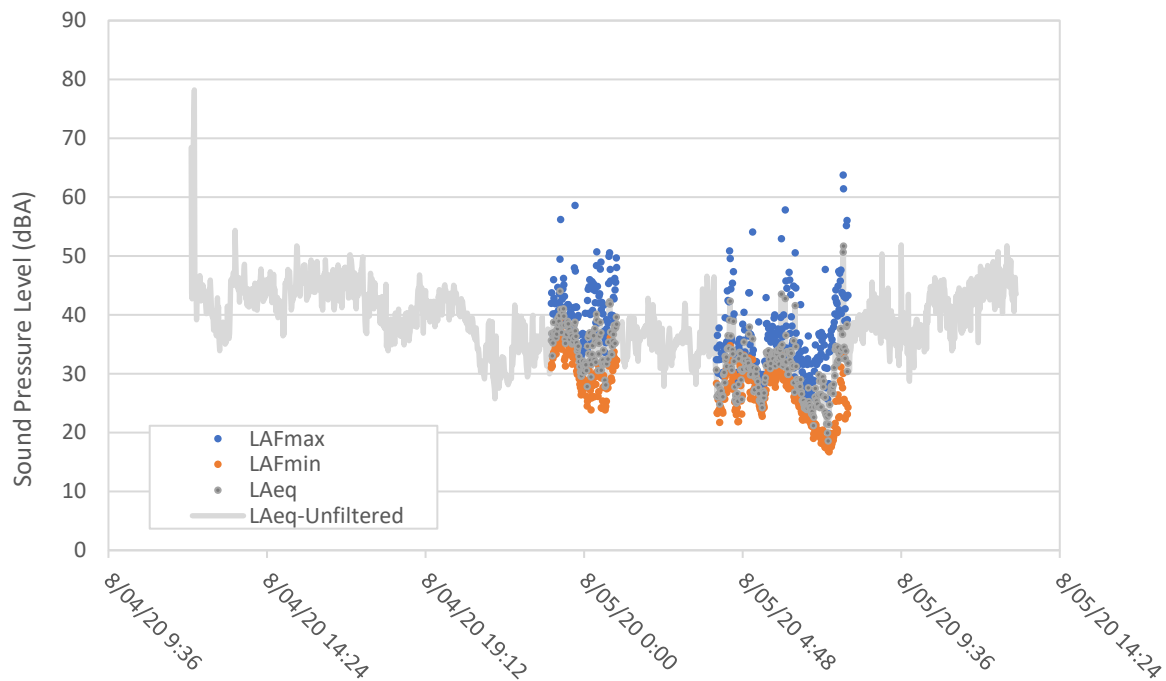


Figure 16. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R7 at the Meadowbank site during monitoring event 2.

3.8 R8

Recorded 1-min L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) during monitoring events 1 and 2 at R8 are shown in Figure 17 and 18. Invalid data points filtered out prior to data analysis (as described in Section 2.4) are indicated for reference (L_{eq} -unfiltered).

For station R8, 9 h of valid data were available from the first monitoring event (July 16 - 19). For this event, 77 h were filtered out due to recorded weather conditions or set-up/take-down, and a further 6 h were filtered out after review of the sound files and statistical data. For these six time points, recorded L_{90} values (which are typically assumed representative of background) substantially exceeded 30 dBA for this location, which was the FEIS-measured background sound level. Review of the sound recordings indicated this was likely a result of local wind gusts. No mine-related noises were audible. As a result, this data was filtered out from subsequent analyses. The 1-h L_{eq} values excluded on this basis are indicated in Appendix B.

For the second monitoring event (August 8 - 11), 18 h of valid data were available after 74 h were filtered out due to recorded weather conditions or set-up/take-down. No secondary filtering was required for this event.

Final calculated daytime, night-time, and 24-h L_{eq} values for monitoring events 1 and 2 are provided in Section 4. For event 1, day-time and 24-h L_{eq} values could not be calculated because only 1 valid hour of data was available for the day-time period after filtering. No exceedances of site noise targets or FEIS predictions occurred.

Weather data and hourly L_{eq} values for both events are provided in Appendix B.

Audible noises were not specifically noted in the field log at this location (Appendix C).

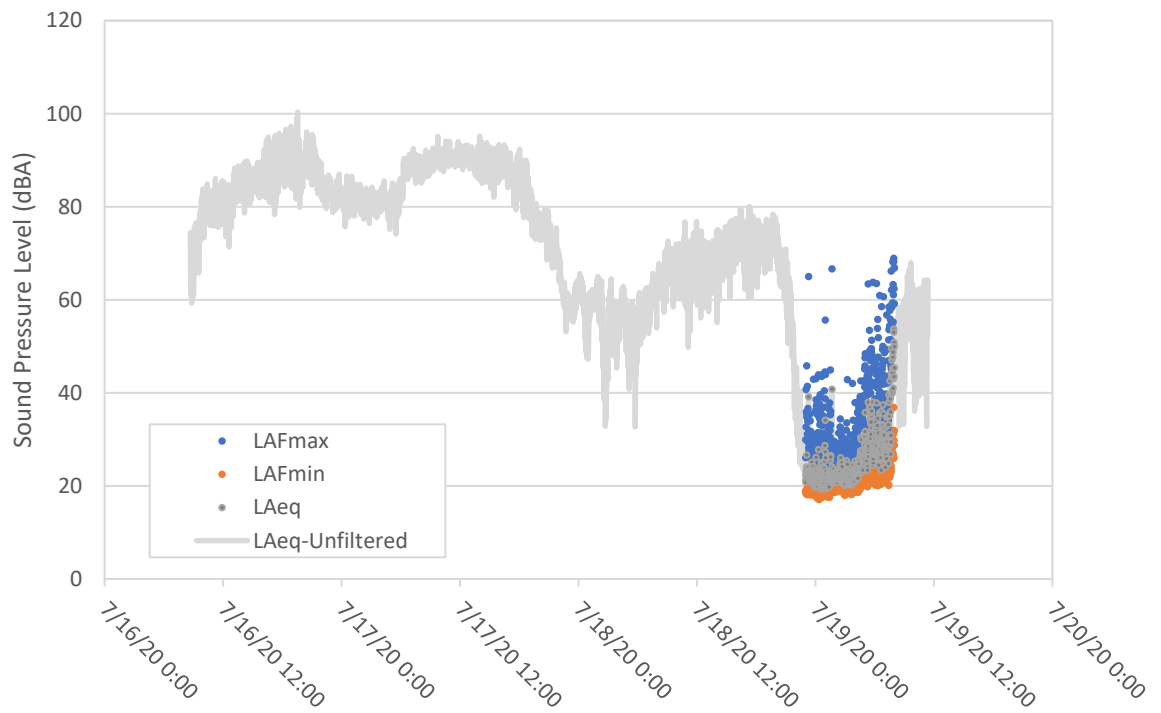


Figure 17. 1-min Leq, Lmax and Lmin values recorded at station R8 at the Meadowbank site during monitoring event 1.

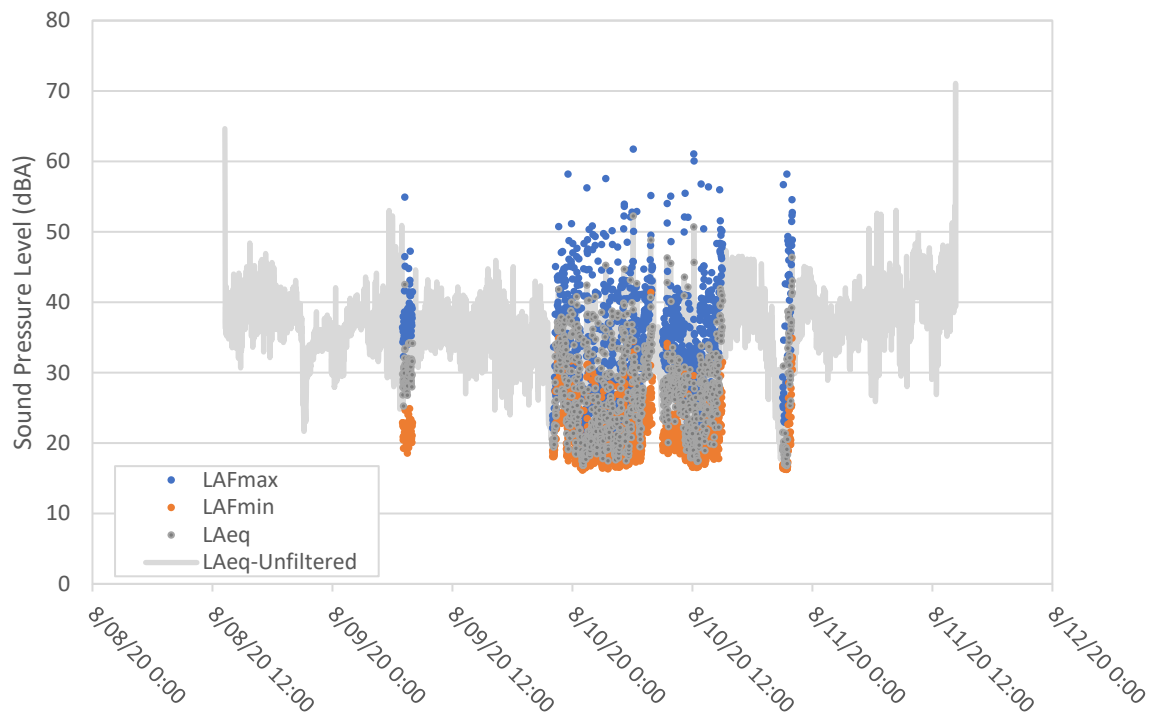


Figure 18. 1-min Leq, Lmax and Lmin values recorded at station R8 at the Meadowbank site during monitoring event 2.

3.9 R9

Recorded 1-min L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) during monitoring events 1 and 2 at R9 are shown in Figure 19 and 20. Invalid data points filtered out prior to data analysis (as described in Section 2.4) are indicated for reference (L_{Aeq} -unfiltered).

For station R9, 12 h of valid data were available from the first monitoring event (July 10 - 13). For this event, 68 h were filtered out due to recorded weather conditions or set-up/take-down. For the second monitoring event (August 1 - 3), 18 h of valid data were available after 46 h were filtered out due to recorded weather conditions or set-up/take-down. No secondary filtering was required for either event.

Final calculated daytime, night-time, and 24-h L_{eq} values for monitoring events 1 and 2 are provided in Section 4. No exceedances of site noise targets or FEIS predictions occurred.

Weather data and hourly L_{eq} values for both events are provided in Appendix B.

No audible noises were specifically noted in the field log for this location (Appendix C).

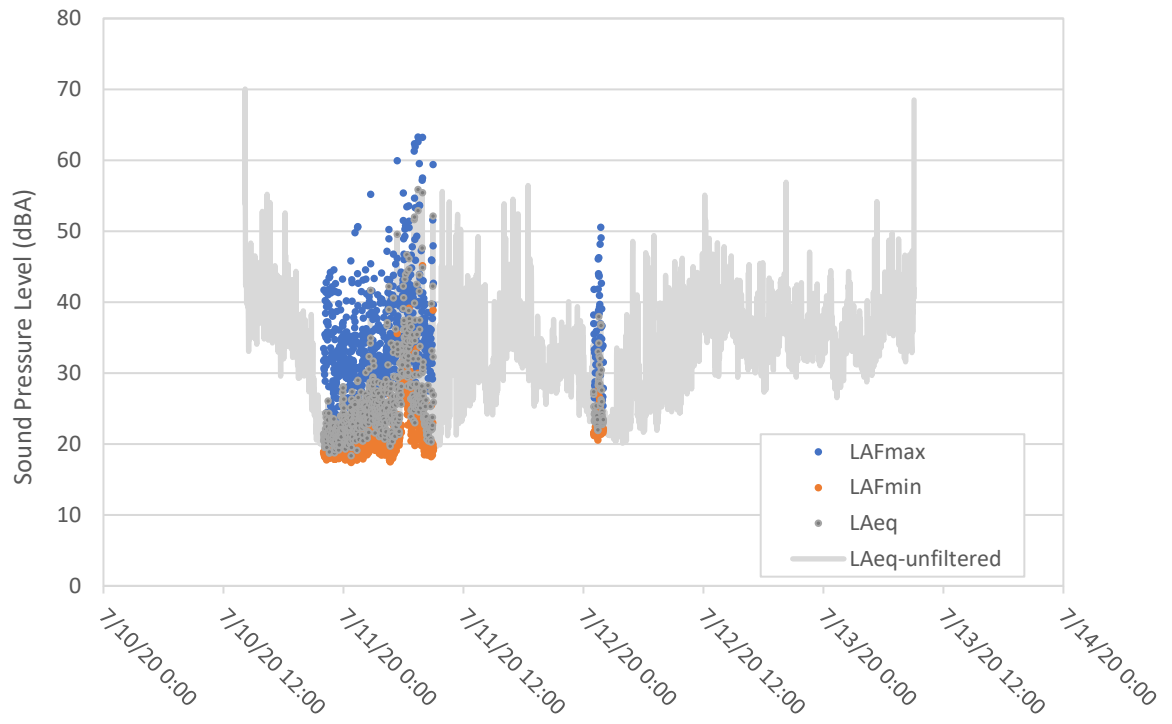


Figure 19. 1-min Leq, Lmax and Lmin values recorded at station R9 at the Meadowbank site during monitoring event 1.

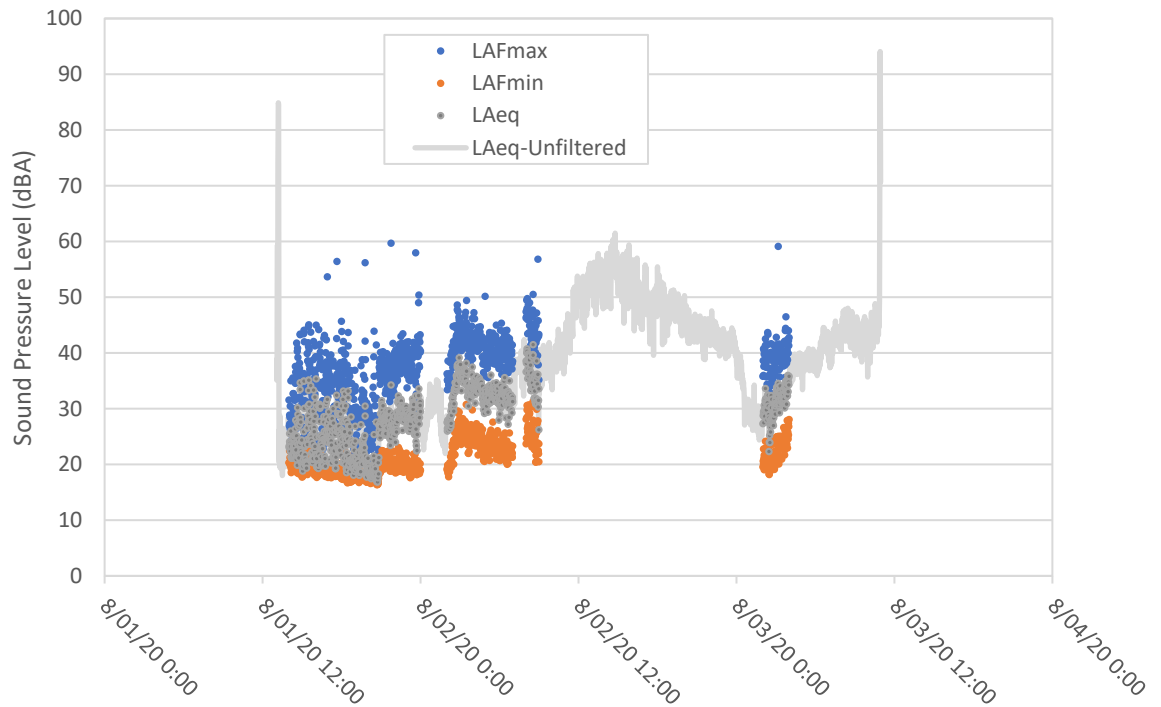


Figure 20. 1-min Leq, Lmax and Lmin values recorded at station R9 at the Meadowbank site during monitoring event 2.

3.10 R10

Recorded 1-min L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) during monitoring event 1 at R10 is shown in Figure 21. Invalid data points filtered out prior to data analysis (as described in Section 2.4) are indicated for reference (L_{Aeq} -unfiltered). Results of monitoring event 2 are not shown or analyzed because the noise meter was found to have fallen over after a period of high winds.

For event 1 (July 24 – 26), only 2 h of valid data were available after 47 h were filtered out due to recorded weather conditions or set-up/take-down. As a result, daytime, night-time and 24-h L_{eq} values could not be calculated for this station in 2020.

Weather data and hourly L_{eq} values for both events are provided in Appendix B.

Possible noise sources noted in the field log for this location included traffic (haul road 1.5 km away), helicopters, and wind/rain (Appendix C).

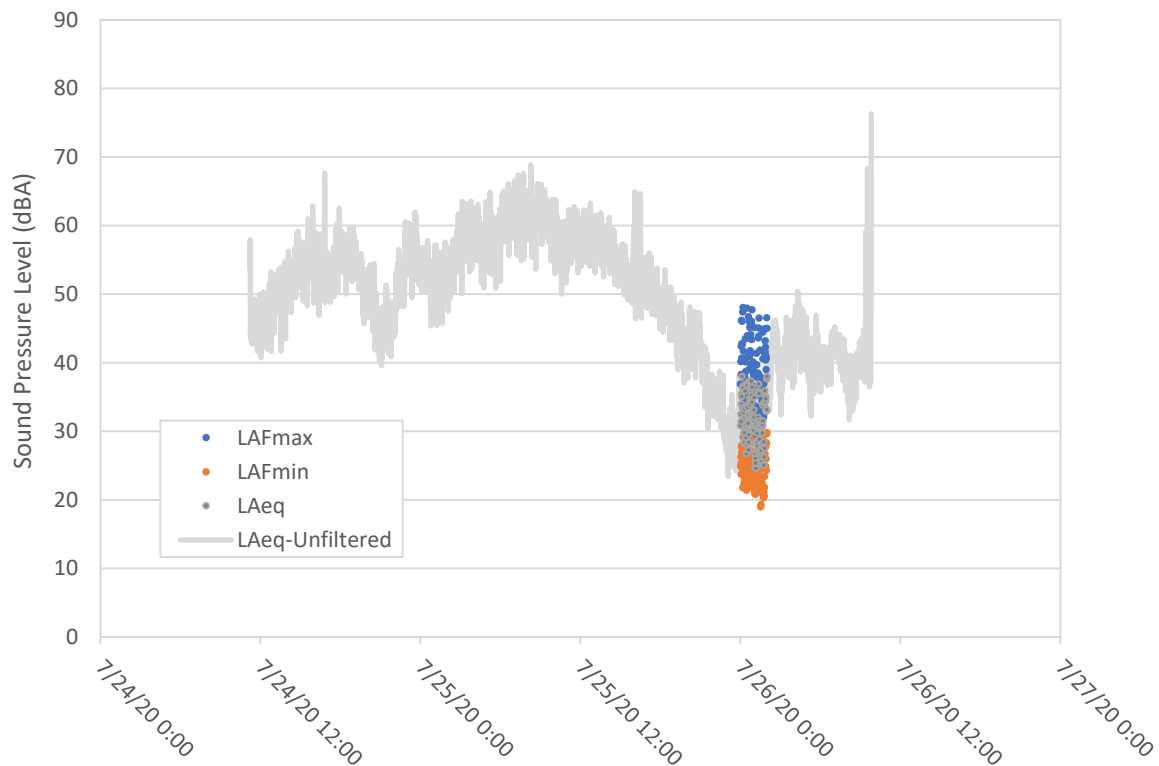


Figure 21. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R10 at the Meadowbank site during monitoring event 1.

3.11 R11

Recorded 1-min L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) during monitoring events 1 and 2 at R11 are shown in Figure 22 and 23. Invalid data points filtered out prior to subsequent analysis (as described in Section 2.4) are indicated for reference (L_{Aeq} -unfiltered).

For station R11, 22 h of valid data were available from the first monitoring event (July 21 - 23). For this event, 53 h were filtered out due to recorded weather conditions or set-up/take-down. For the second monitoring event (August 17 - 19), 16 h of valid data were available after 48 h were filtered out due to recorded weather conditions or set-up/take-down. No secondary filtering was required for either event.

Final calculated daytime, night-time, and 24-h L_{eq} values for monitoring events 1 and 2 are provided in Section 4. No exceedances of site noise targets or FEIS predictions occurred.

Weather data and hourly L_{eq} values for both events are provided in Appendix B.

No audible noises were specifically noted in the field log for this location (Appendix C).

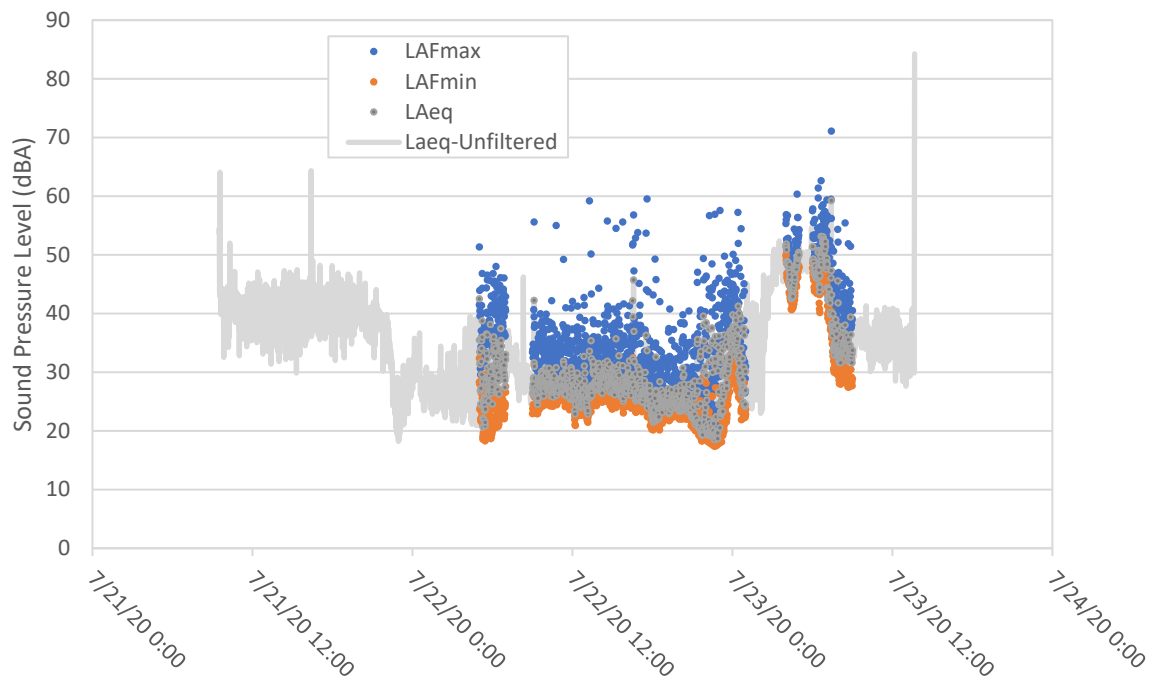


Figure 22. 1-min L_{eq} , L_{max} and L_{min} values recorded at station R11 at the Meadowbank site during monitoring event 1.

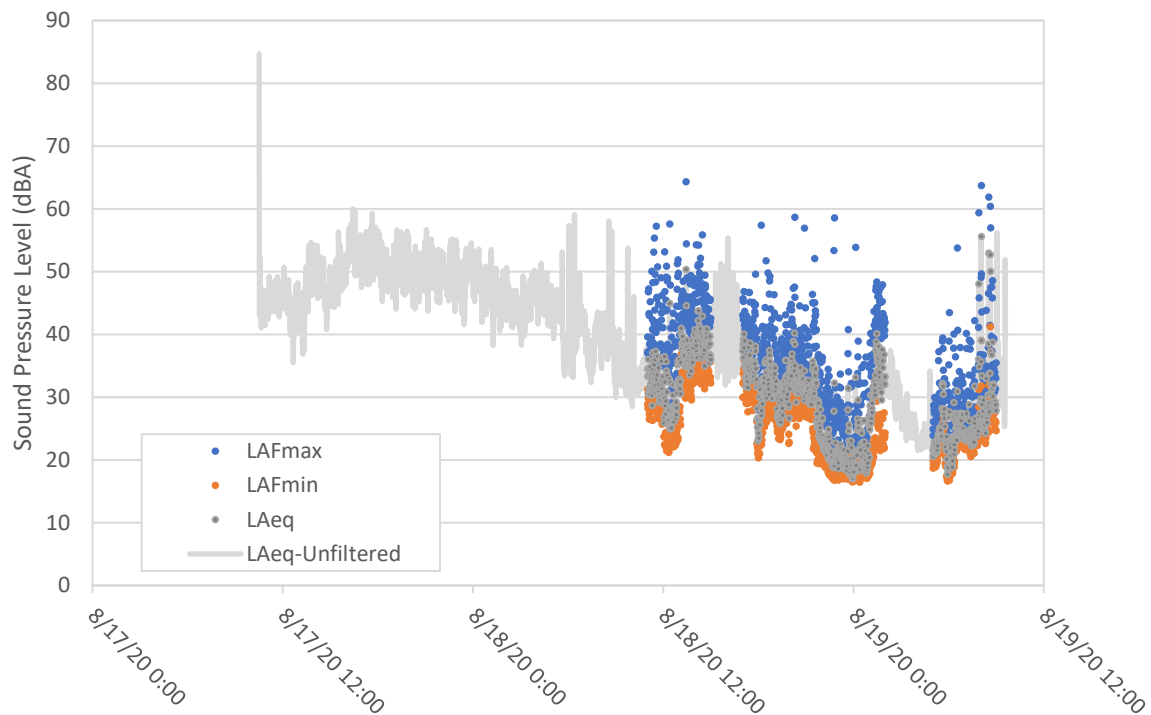


Figure 23. 1-min Leq, Lmax and Lmin values recorded at station R11 at the Meadowbank site during monitoring event 2.

SECTION 4 • SUMMARY

4.1 DAYTIME, NIGHT-TIME, AND 24 H L_{EQ}

L_{eq} values were calculated for daytime (7am-11pm), night-time (11pm-7am), and 24 h time periods, as described in Section 2.4. These L_{eq} values are shown in Table 4. Alberta ERCB guidance (ERCB 2007) indicates that 3 hours of valid data are required to contribute to daytime and night-time averages, so time periods with a lower coverage are excluded (“-”). Similarly, 24-h L_{eq} values with less than 3 valid daytime or night-time hours were not calculated (“-”).

No exceedances of the target sound levels or FEIS predictions occurred.

Table 4. Daytime, night-time, and 24-h L_{eq} values for monitoring locations R1 – R11. Day- and night-time periods with fewer than 3 hours of valid data are excluded (-). The second monitoring event for R10 was invalid because the noise meter fell over (NS). **For R5, all 1 h L_{eq} values were below the FEIS prediction of 57 dBA.

Site	Dates (2020)	FEIS Prediction	Measured Values		
		$L_{eq, 24h}$ (dBA)	$L_{eq, day}$ dBA (Target = 55 dBA)	$L_{eq, night}$ dBA (Target = 45 dBA)	$L_{eq, 24 h}$ dBA
R1	07/10 – 07/13	58-63	39.7	31.5	35.5
	07/19 – 07/21		34.9	37.8	37.2
R2	06/30 – 07/02	58-63	30.7	33.8	32.0
	08/14 – 08/16		24.2	-	-
R3	08/04 – 08/06	49-53	32.8	34.6	34.0
	08/22 – 08/25		40.6	34.7	39.4
R4	07/27 – 07/29	58-63	35.3	33.6	34.3
	08/17 – 08/20		31.6	33.1	32.1
R5	08/09 – 08/11	(1 h $L_{eqs} < 57$)**	41.1	30.5	39.4
	08/25 – 08/28		-	-	-
R6	07/04 – 07/06	40.5 - 42.5	28.8	36.6	33.1
	08/21 – 08/25		26.5	30.5	28.2
R7	07/01 – 07/04	36.2 - 40.4	33.0	38.8	36.8
	08/04 – 08/05		-	34.6	-
R8	07/16 – 07/19	36.2 – 40.4	-	27.4	-
	08/08 – 08/11		33.1	32.5	32.8
R9	07/10 – 07/13	40.4 - 45.1	39.7	31.5	35.5
	08/01 – 08/03		29.4	32.5	30.9
R10	07/24 – 07/26	36.2 – 40.4	-	-	-
	08/12 – 08/15		NS	NS	NS
R11	07/21 – 07/23	45.1 – 50.0	34.5	43.5	38.8
	08/17 – 08/19		35.9	23.9	34.7

4.2 HISTORICAL COMPARISON

Historical 24-h L_{eq} measurements (2009 – 2020) for Meadowbank area monitoring stations R1 – R5 are shown in Figure 24 in relation to FEIS (Cumberland, 2005) predictions.

No clear trends towards increasing noise levels are evident. For all sites except one instance at R4 in 2018, measured 24-h L_{eq} values have remained below predicted noise levels.

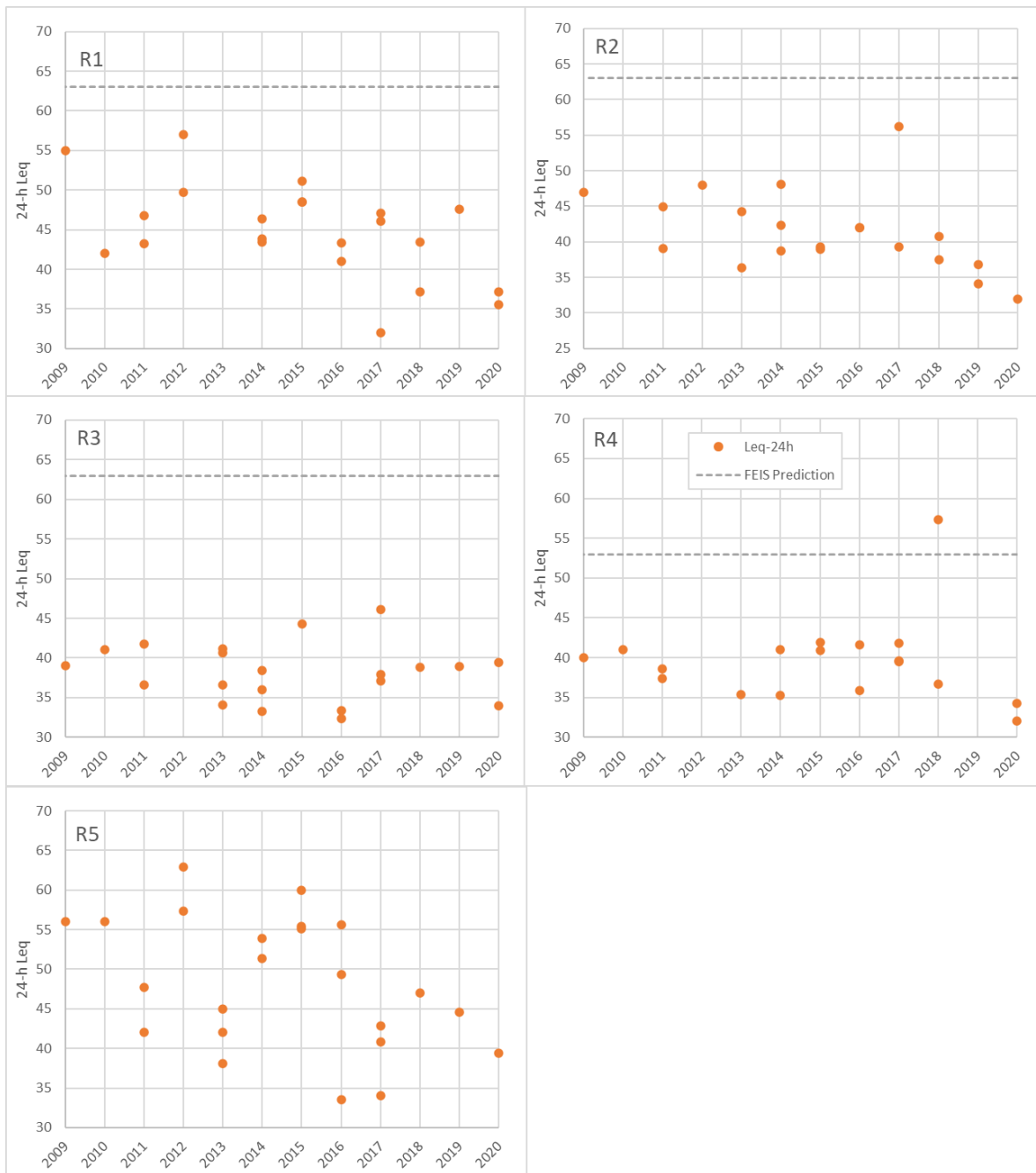


Figure 24. Historical 24-h Leq values for monitoring stations R1, R2, R3, R4, and R5 at the Meadowbank site. Dashed line indicates the maximum FEIS prediction for each station, if available.

For stations R6 and R7, available historical results are shown in Figure 25 along with maximum FEIS (Agnico Eagle, 2016) predictions (2018/2019) and FEIS Addendum (Agnico Eagle, 2018) predictions (2020). No clear trends towards increasing noise levels are evident, and no exceedances of predictions have occurred.

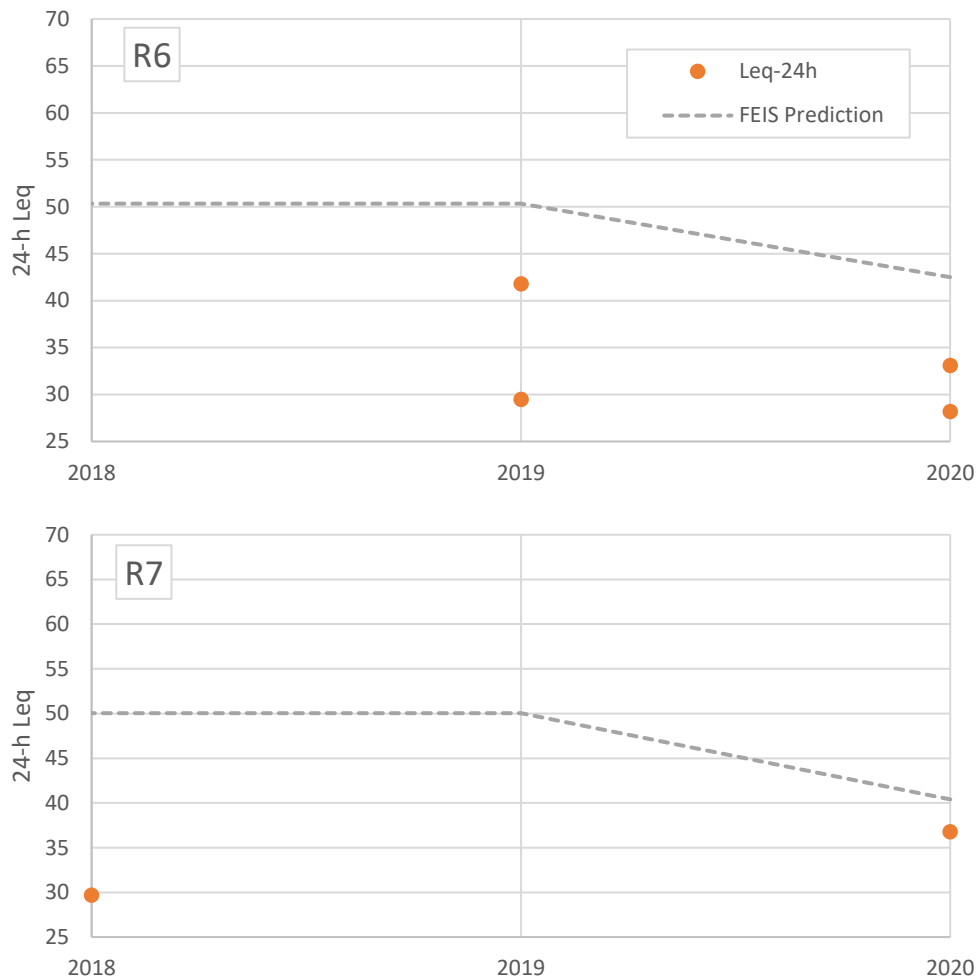


Figure 25. Historical 24-h Leq values for monitoring stations R6 and R7 along the Whale Tail Haul Road. Dashed line indicates the maximum FEIS (2018 and 2019) or FEIS Addendum (2020) prediction for each station.

For stations R8-R11, results are only available for one year (2018) prior to relocation of the monitoring stations in 2020 (no results were available in 2019). In addition, FEIS predictions were different in each of these years (Agnico Eagle, 2016 and Agnico Eagle, 2018) due to initiation of the Whale Tail Expansion Project in 2020. A historical data review will therefore begin for R8 – R11 after two years of comparable monitoring results are available. However to date (2018 and 2020), no exceedances of the relevant FEIS predictions occurred for any of these stations.

SECTION 5 • CONCLUSION

The objective of the noise monitoring program at Meadowbank is to measure noise levels at 11 previously determined monitoring locations over at least two 24 h periods. Each year, Agnico Eagle aims to conduct a minimum of two monitoring rounds of two to four days per station, since high winds in the area tend to substantially reduce the quantity of available valid data.

In 2020, two monitoring events were successfully completed for all stations except R10, where the noise meter fell over during event 2. A third monitoring event could not be conducted for this station due to time constraints.

Following removal of datapoints obtained under sub-optimal weather conditions, one or two valid measurements were available for each Health Canada monitoring period (daytime, night-time, 24 h) for all stations except R10. Despite 49 h of monitoring during event 1 at this station, all but 2 h of data were required to be filtered out due to unacceptable weather conditions, so daytime, nighttime, and 24-h L_{eq} values could not be calculated.

No exceedances of the target sound levels or FEIS predictions occurred for any monitoring station.

Review of historical monitoring results (2009 – 2020) for each site with at least 2 years of comparable data (R1 – R6) was conducted to determine any trends towards increasing average sound levels around the minesite. No clear trends were observed, and overall, target sound levels and FEIS impact predictions are rarely exceeded site-wide during the summertime noise surveys. Elevated wind speeds and snow cover preclude monitoring during the rest of the year, but measurements recorded in July and August are expected to represent the highest noise levels occurring onsite, since general traffic activity is greatest during this period.

Based on these results, no changes to noise abatement or mitigation are proposed at this time.

Impacts of sensory disturbance on wildlife are determined through the Terrestrial Ecosystem Monitoring Plan (TEMP), and reported annually in the Wildlife Summary Report.

SECTION 6 • ACTIONS

In 2019, noise surveys were conducted for all monitoring stations, but data was not successfully logged for stations R7 – R11. The following actions were planned for 2020 to ensure no reoccurrence of this error, and Agnico's response to each is indicated:

- Noise equipment re-training for environment technicians, as necessary, to ensure complete data collection at all monitoring stations.
 - Completed.
- Review of noise data immediately following initial monitoring events (early in the season) to ensure no logging errors occurred and sufficient valid data was collected.
 - Completed.

In addition, Agnico implemented supplemental corrective measures to ensure data was logged properly in 2020 so that FEIS predictions could be appropriately addressed. These supplemental corrective actions involved changing the settings on the sound meters and implementing a QAQC program. The QAQC program involved completing a noise data collection trial and evaluating the data to ensure the data was being recorded and the meter was working properly prior to deployment of the meter in the field.

In 2020, data was successfully logged for all monitoring stations. No specific actions for supplemental adaptive monitoring or management are planned for 2021.

SECTION 7 • REFERENCES

Cumberland, 2005. Meadowbank Gold Project Environmental Impact Statement. Cumberland Resources Ltd. October, 2005.

AER (Alberta Energy Regulator), 2007. Directive 038: Noise Control.

Agnico Eagle, 2018. Final Environment Impact Statement (FEIS) Addendum - Whale Tail Pit Expansion Project. Volume 4 – Atmospheric Environment. Agnico Eagle Mines Ltd. December, 2018.

Agnico Eagle, 2016. Final Environment Impact Statement (FEIS) for the Whale Tail Pit Project. Volume 4 – Atmospheric Environment. Agnico Eagle Mines Ltd. May, 2016.

APPENDIX A

Site Photos





Figure -Apx 1: Monitoring location R1 (June 10, 2020).



Figure -Apx 2: Monitoring location R2 (June 30, 2020).



Figure -Apx 3: Monitoring location R3 (August 22, 2020).



Figure -Apx 4: Monitoring location R4 (July 27, 2020).

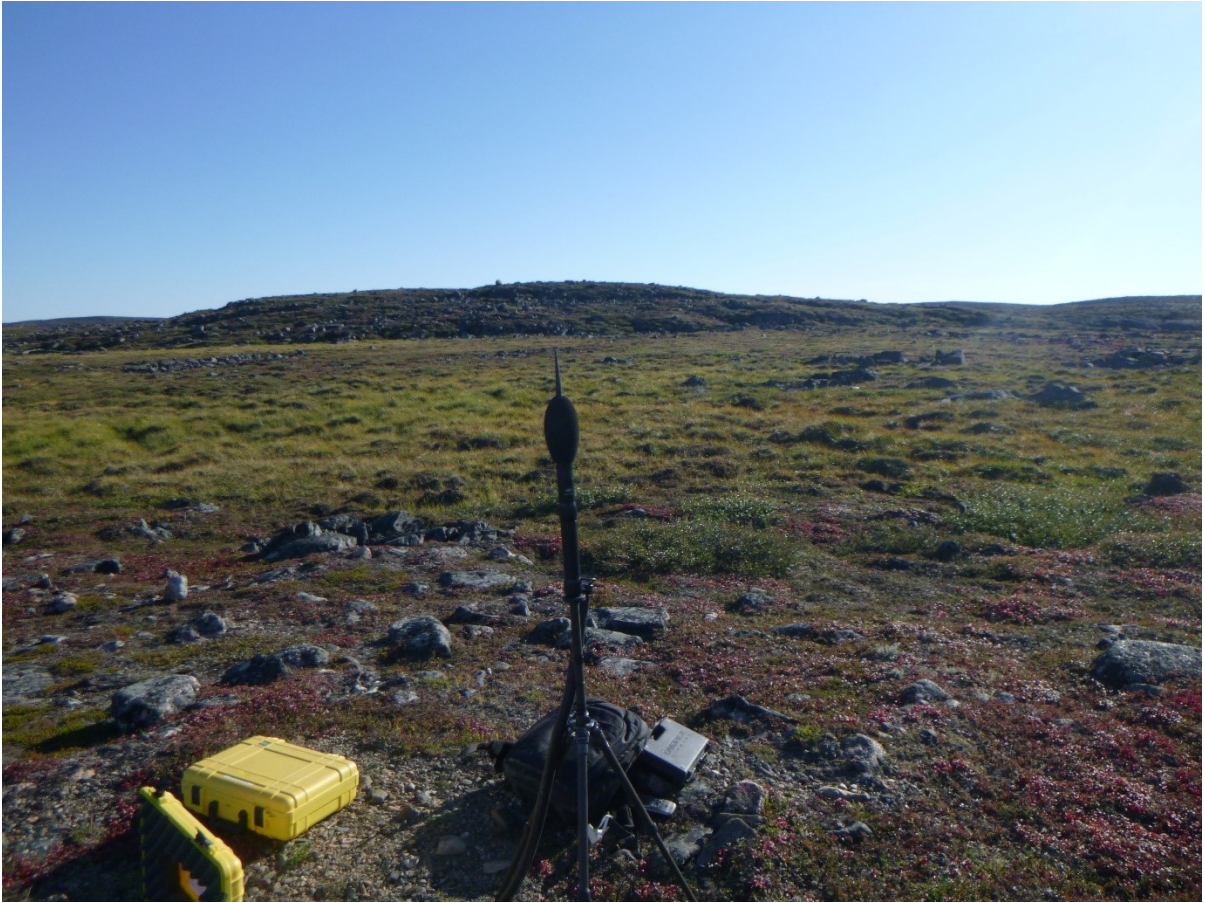


Figure -Apx 5: Monitoring location R5 (August 25, 2020).

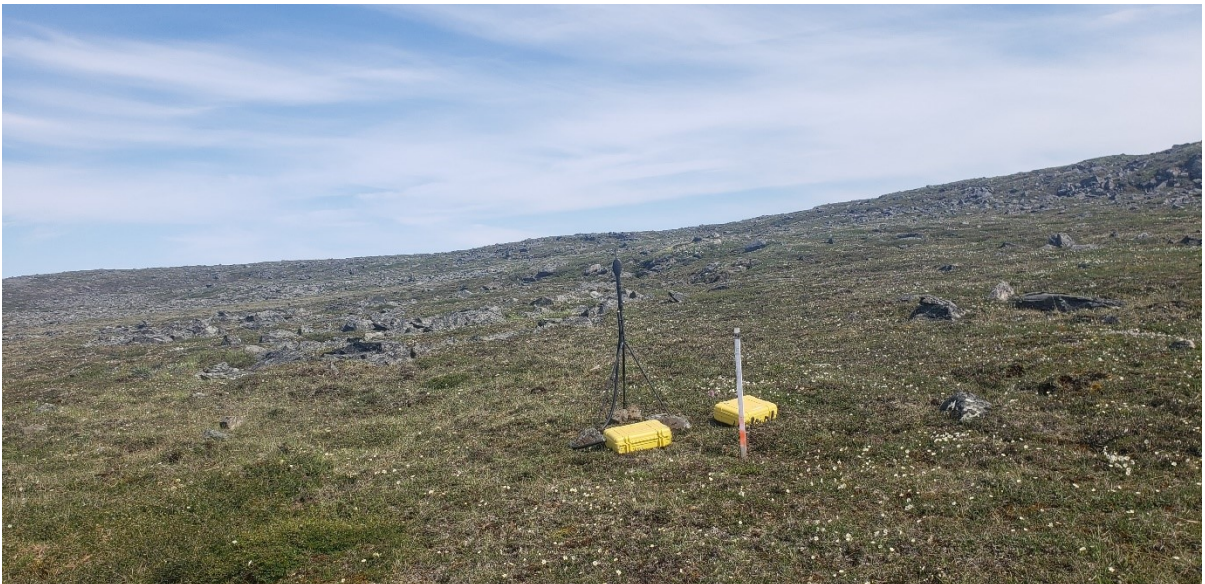


Figure Apx 6: Monitoring location R6 (July 4, 2020).

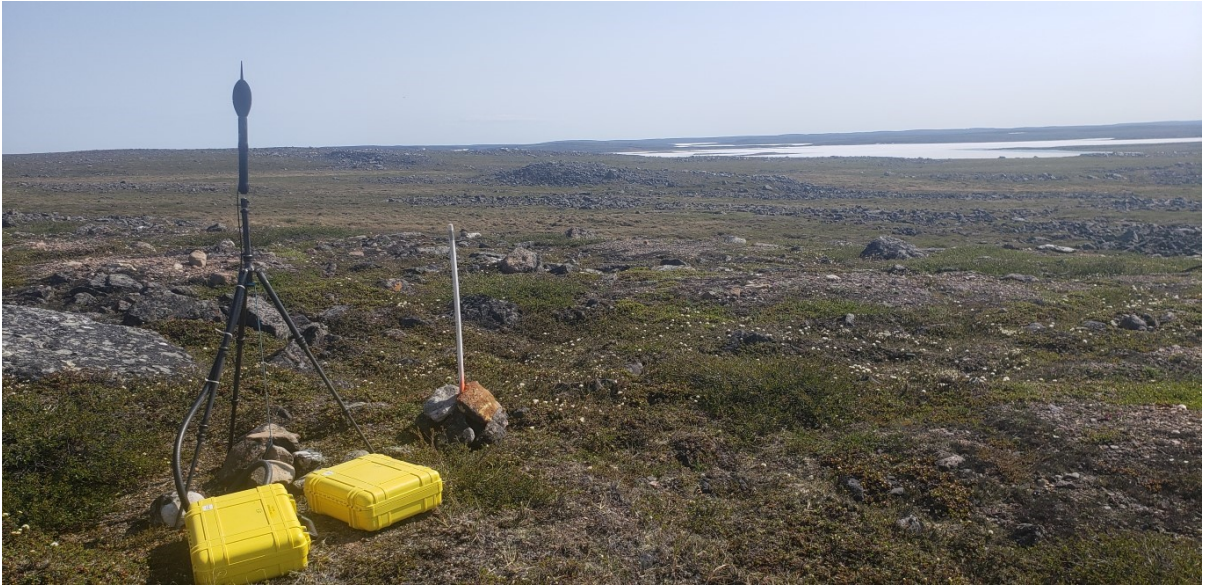


Figure -Apx 7: Monitoring location R7 (July 1, 2020).

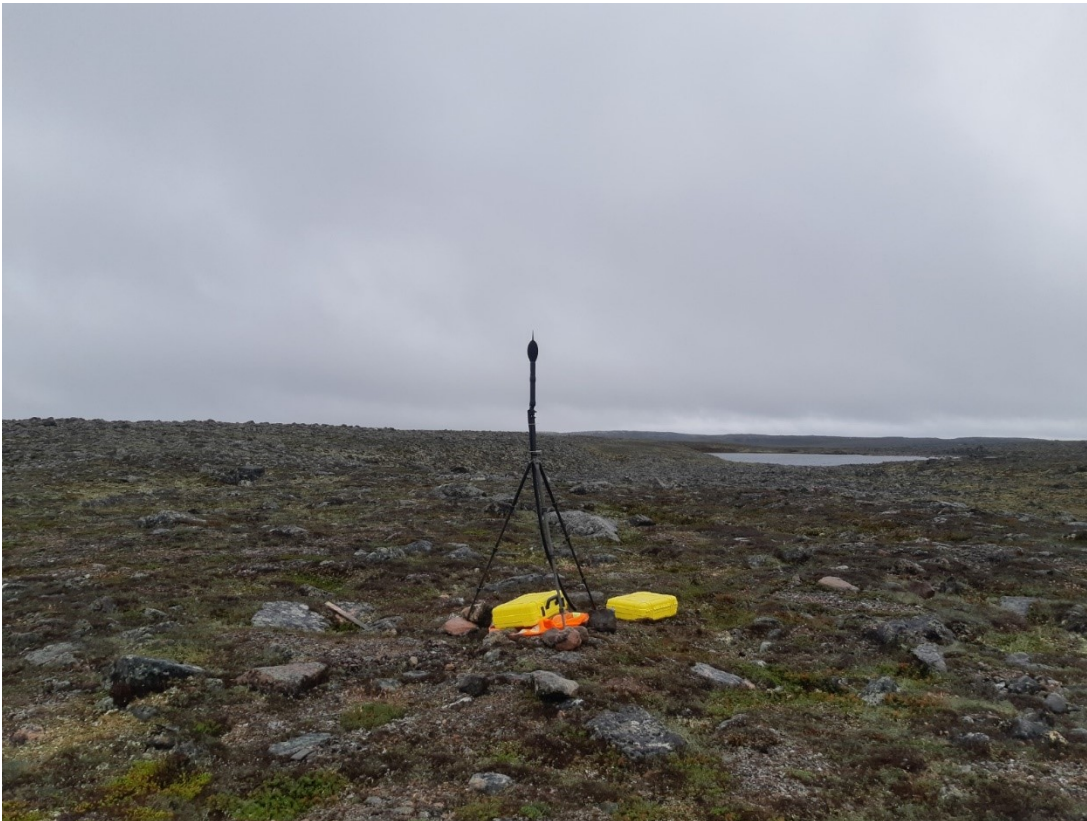


Figure -Apx 8: Monitoring location R8 (July 16, 2020).



Figure Apx 9: Monitoring Location R9 (July 9, 2020).



Figure Apx 10: Monitoring location R10 (July 24, 2020).

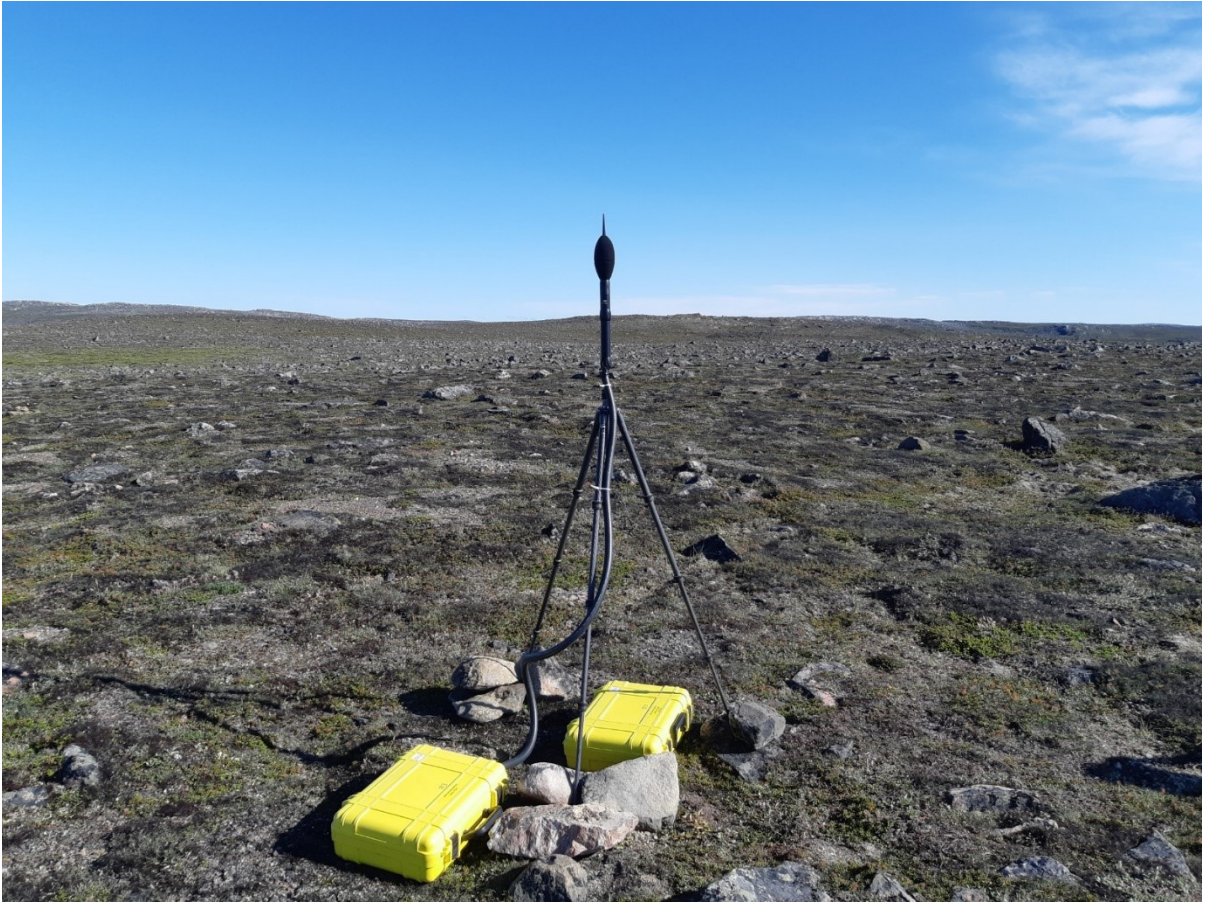


Figure Apx 11: Monitoring location R11 (July 21, 2020).

APPENDIX B

Weather Data and 1-h L_{eq} Values

Table-Apx 1: Average hourly air temperature, relative humidity, wind speed, and wind direction for the Amaruq site weather station (used for analysis of monitoring stations R7 – R11). All calculated 1-h L_{eq} values are provided. Those excluded from analyses based on unacceptable weather conditions are indicated “y” in column F.O. (Filtered Out). Measurements from the first and last hour of a monitoring period were also filtered out to remove technician interference. Values filtered out on the basis of $L_{90}>30$ dBA and no audible mine noise are shaded grey (see Section 3.8). Values excluded from analysis for event 2 at R10 (due to fallen noise meter) are in italics.

Date and Time	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Average Wind Direction (°)	F.O.	L_{eq} 1 h (dBA)	Station
7/01/20 10:00	22.4	44	5.01	250	y	70.93	R7
7/01/20 11:00	25.0	38	5.41	261	y	71.2	R7
7/01/20 12:00	26.1	36	5.48	264	y	41.98	R7
7/01/20 13:00	26.8	34	5.40	279	y	43.83	R7
7/01/20 14:00	26.2	35	5.27	316	y	38.96	R7
7/01/20 15:00	25.7	34	5.12	337	y	35.39	R7
7/01/20 16:00	25.8	36	5.52	337	y	35.52	R7
7/01/20 17:00	25.3	33	6.18	354	y	36.04	R7
7/01/20 18:00	24.9	30	6.19	359	y	38.36	R7
7/01/20 19:00	24.2	27	6.18	16	y	37.29	R7
7/01/20 20:00	23.5	29	6.09	18	y	35.36	R7
7/01/20 21:00	22.6	33	6.07	24	y	37.3	R7
7/01/20 22:00	21.2	41	4.96	30	y	34.7	R7
7/01/20 23:00	18.2	55	4.59	66	y	34.33	R7
7/02/20 0:00	16.4	60	3.74	57		37.01	R7
7/02/20 1:00	14.7	66	4.00	68		37.6	R7
7/02/20 2:00	13.6	71	4.71	55	y	35.17	R7
7/02/20 3:00	12.7	72	5.14	57	y	36.1	R7
7/02/20 4:00	12.2	75	4.16	67		36.14	R7
7/02/20 5:00	11.4	78	3.44	62		35.46	R7
7/02/20 6:00	12.3	74	3.23	71		35.31	R7
7/02/20 7:00	14.0	68	3.32	82		29.88	R7
7/02/20 8:00	15.8	58	3.16	88		30.43	R7
7/02/20 9:00	17.3	46	3.29	91		30.99	R7
7/02/20 10:00	18.3	42	2.52	87		32.52	R7
7/02/20 11:00	19.3	37	3.02	95		31.47	R7
7/02/20 12:00	20.6	33	3.56	84		31.52	R7
7/02/20 13:00	20.9	35	3.87	78		29.79	R7
7/02/20 14:00	21.6	35	3.76	91		32.15	R7
7/02/20 15:00	22.6	33	4.30	92	y	36.63	R7
7/02/20 16:00	23.2	32	4.31	91	y	36.28	R7
7/02/20 17:00	23.8	31	4.99	105	y	33.8	R7
7/02/20 18:00	23.7	31	5.65	118	y	31.63	R7

Date and Time	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Average Wind Direction (°)	F.O.	L _{eq} 1 h (dBA)	Station
7/02/20 19:00	23.4	32	5.30	134	y	33.97	R7
7/02/20 20:00	22.8	34	4.66	147	y	29.57	R7
7/02/20 21:00	22.0	35	4.26	145	y	30.87	R7
7/02/20 22:00	20.6	40	2.73	162		34.99	R7
7/02/20 23:00	19.5	44	1.75	181		38.28	R7
7/03/20 0:00	18.1	47	1.77	169		37.06	R7
7/03/20 1:00	16.3	53	1.78	161		37.69	R7
7/03/20 2:00	15.3	57	3.03	183		38.79	R7
7/03/20 3:00	14.8	59	1.52	158		42.48	R7
7/03/20 4:00	13.8	64	2.91	184		37.51	R7
7/03/20 5:00	13.1	67	2.45	182		38.06	R7
7/03/20 6:00	13.3	66	2.31	167		39.64	R7
7/03/20 7:00	14.6	60	2.03	141		34.61	R7
7/03/20 8:00	15.9	58	2.45	139		33.75	R7
7/03/20 9:00	18.6	46	3.70	168		29.54	R7
7/03/20 10:00	19.5	36	4.89	159	y	33.49	R7
7/03/20 11:00	20.8	33	6.36	181	y	35.42	R7
7/03/20 12:00	21.3	36	6.44	182	y	36.03	R7
7/03/20 13:00	21.5	37	7.10	184	y	38.58	R7
7/03/20 14:00	21.7	37	7.49	184	y	40.8	R7
7/03/20 15:00	21.9	35	7.63	182	y	40.49	R7
7/03/20 16:00	21.9	34	8.18	172	y	43.26	R7
7/03/20 17:00	22.0	34	8.25	172	y	35.65	R7
7/03/20 18:00	21.7	36	7.32	181	y	32.6	R7
7/03/20 19:00	20.7	41	6.19	182	y	32.66	R7
7/03/20 20:00	20.3	44	6.45	183	y	32.81	R7
7/03/20 21:00	19.8	46	5.70	180	y	32.75	R7
7/03/20 22:00	19.0	49	5.85	179	y	33.25	R7
7/03/20 23:00	17.2	56	5.09	170	y	33.43	R7
7/04/20 0:00	15.3	60	5.00	167	y	35.51	R7
7/04/20 1:00	13.5	65	4.94	163	y	35.71	R7
7/04/20 2:00	12.1	68	5.42	164	y	38.04	R7
7/04/20 3:00	11.2	72	5.03	181	y	42.65	R7
7/04/20 4:00	10.2	77	3.88	189		37.33	R7
7/04/20 5:00	9.8	78	3.40	180		36.77	R7
7/04/20 6:00	10.4	78	3.61	170		38.33	R7
7/04/20 7:00	10.8	77	3.72	169		40.1	R7
7/04/20 8:00	11.2	75	4.06	138		36.76	R7
7/04/20 9:00	12.7	68	5.22	138	y	36.69	R7

Date and Time	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Average Wind Direction (°)	F.O.	L _{eq} 1 h (dBA)	Station
7/04/20 10:00	14.2	62	6.15	145	y	36.84	R7
7/04/20 11:00	16.0	54	6.13	171	y	40.78	R7
7/04/20 12:00	17.4	50	7.27	177	y	66.58	R7
7/10/20 10:00	13.3	63	6.69	337	y	53.64	R9
7/10/20 11:00	13.8	56	7.32	329	y	42.28	R9
7/10/20 12:00	14.4	50	7.42	324	y	43.83	R9
7/10/20 13:00	14.4	49	7.96	329	y	39.57	R9
7/10/20 14:00	14.6	51	7.37	331	y	41.22	R9
7/10/20 15:00	14.9	48	8.22	322	y	37.36	R9
7/10/20 16:00	15.2	47	8.28	321	y	32.48	R9
7/10/20 17:00	15.2	46	7.35	327	y	24.04	R9
7/10/20 18:00	15.0	46	6.81	324	y	21.97	R9
7/10/20 19:00	14.7	47	6.52	328	y	22.72	R9
7/10/20 20:00	15.0	46	5.95	329	y	22.74	R9
7/10/20 21:00	14.9	47	4.97	333	y	24.04	R9
7/10/20 22:00	14.4	52	3.93	327		28.86	R9
7/10/20 23:00	13.1	59	2.82	330		25.18	R9
7/11/20 0:00	11.4	66	1.18	301		30.63	R9
7/11/20 1:00	10.4	70	1.28	293		34.35	R9
7/11/20 2:00	9.6	77	0.94	255		37.33	R9
7/11/20 3:00	8.9	83	0.61	261		43.84	R9
7/11/20 4:00	9.3	78	0.75	319		35.4	R9
7/11/20 5:00	10.2	74	1.55	40		39.8	R9
7/11/20 6:00	10.6	74	2.42	89		39.93	R9
7/11/20 7:00	11.2	74	2.91	110		43.03	R9
7/11/20 8:00	12.1	69	4.01	121		35.26	R9
7/11/20 9:00	12.6	68	4.51	121	y	38.8	R9
7/11/20 10:00	13.0	66	4.43	121	y	32.23	R9
7/11/20 11:00	13.9	62	4.28	136	y	33.75	R9
7/11/20 12:00	14.0	64	5.13	135	y	42.77	R9
7/11/20 13:00	15.1	57	5.88	150	y	41.2	R9
7/11/20 14:00	15.3	63	5.73	147	y	40.9	R9
7/11/20 15:00	17.7	52	6.82	156	y	31.35	R9
7/11/20 16:00	19.1	47	7.78	164	y	30.24	R9
7/11/20 17:00	18.6	51	8.54	164	y	32.01	R9
7/11/20 18:00	18.1	53	8.33	158	y	32.78	R9
7/11/20 19:00	18.3	55	7.56	165	y	33.59	R9
7/11/20 20:00	16.9	67	6.64	173	y	27.82	R9

Date and Time	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Average Wind Direction (°)	F.O.	L _{eq} 1 h (dBA)	Station
7/11/20 21:00	15.5	77	6.85	151	y	28.74	R9
7/11/20 22:00	15.3	75	7.30	164	y	22.48	R9
7/11/20 23:00	14.3	81	6.96	171	y	25.44	R9
7/12/20 0:00	13.8	84	7.78	149	y	34.85	R9
7/12/20 1:00	14.0	84	2.85	145		30.91	R9
7/12/20 2:00	13.2	90	4.88	163	y	37.55	R9
7/12/20 3:00	13.1	90	5.42	173	y	34.74	R9
7/12/20 4:00	13.0	86	6.49	184	y	33.88	R9
7/12/20 5:00	12.8	85	6.52	197	y	37.48	R9
7/12/20 6:00	13.1	83	5.45	201	y	35.11	R9
7/12/20 7:00	13.1	82	6.29	207	y	38.23	R9
7/12/20 8:00	13.0	83	4.44	204	y	42.79	R9
7/12/20 9:00	14.5	77	5.33	200	y	38.63	R9
7/12/20 10:00	16.3	67	6.82	200	y	41.24	R9
7/12/20 11:00	18.5	60	7.14	199	y	38.39	R9
7/12/20 12:00	20.3	53	7.28	206	y	36.85	R9
7/12/20 13:00	21.0	48	8.58	213	y	37.26	R9
7/12/20 14:00	21.3	41	10.03	216	y	35.88	R9
7/12/20 15:00	21.4	40	9.03	218	y	38.94	R9
7/12/20 16:00	21.9	36	9.53	208	y	42.41	R9
7/12/20 17:00	22.0	34	9.03	207	y	36.73	R9
7/12/20 18:00	21.9	35	8.49	207	y	36.61	R9
7/12/20 19:00	21.9	34	8.58	199	y	36.11	R9
7/12/20 20:00	21.4	36	7.77	202	y	38.72	R9
7/12/20 21:00	20.3	42	6.56	207	y	32.15	R9
7/12/20 22:00	19.3	46	5.33	206	y	38.05	R9
7/12/20 23:00	17.6	54	5.16	174	y	34.97	R9
7/13/20 0:00	15.7	68	6.87	168	y	33.59	R9
7/13/20 1:00	14.4	74	7.27	172	y	40.84	R9
7/13/20 2:00	13.4	78	7.49	178	y	40.89	R9
7/13/20 3:00	12.6	80	6.47	184	y	39.8	R9
7/13/20 4:00	11.8	84	5.80	185	y	39.62	R9
7/13/20 5:00	10.9	87	7.14	178	y	61.55	R9
7/16/20 8:00	13.4	98	4.83	13	y	68.49	R8
7/16/20 9:00	13.3	97	6.49	7	y	76.14	R8
7/16/20 10:00	13.4	97	7.05	1	y	80.25	R8
7/16/20 11:00	12.4	97	8.00	1	y	81.34	R8
7/16/20 12:00	12.4	97	8.57	1	y	81.01	R8

Date and Time	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Average Wind Direction (°)	F.O.	L _{eq} 1 h (dBA)	Station
7/16/20 13:00	12.3	97	8.16	359	y	85.58	R8
7/16/20 14:00	13.0	96	9.05	2	y	85.85	R8
7/16/20 15:00	13.1	96	9.91	1	y	86.16	R8
7/16/20 16:00	12.6	95	10.55	354	y	89.71	R8
7/16/20 17:00	12.2	95	11.53	355	y	90.09	R8
7/16/20 18:00	11.8	94	12.09	356	y	92.21	R8
7/16/20 19:00	11.1	94	12.75	355	y	92.82	R8
7/16/20 20:00	11.0	95	12.34	357	y	90.39	R8
7/16/20 21:00	11.0	93	13.72	353	y	89.79	R8
7/16/20 22:00	11.1	91	12.44	349	y	83.92	R8
7/16/20 23:00	11.2	90	11.70	346	y	82.73	R8
7/17/20 0:00	11.1	89	11.26	341	y	82.07	R8
7/17/20 1:00	10.4	89	9.88	337	y	82.23	R8
7/17/20 2:00	9.6	89	10.79	334	y	80.75	R8
7/17/20 3:00	8.6	89	10.86	335	y	81.03	R8
7/17/20 4:00	8.1	90	10.56	336	y	81.58	R8
7/17/20 5:00	7.8	91	10.70	335	y	81.76	R8
7/17/20 6:00	8.3	87	10.11	335	y	87.86	R8
7/17/20 7:00	9.4	80	11.94	335	y	89.53	R8
7/17/20 8:00	10.9	73	12.17	338	y	88.8	R8
7/17/20 9:00	10.8	73	12.77	338	y	90.8	R8
7/17/20 10:00	11.2	72	12.70	340	y	91.39	R8
7/17/20 11:00	12.5	68	13.31	341	y	90.87	R8
7/17/20 12:00	13.7	62	13.80	341	y	91.09	R8
7/17/20 13:00	15.0	57	13.40	342	y	90.51	R8
7/17/20 14:00	15.9	52	13.57	344	y	91.05	R8
7/17/20 15:00	16.7	47	13.89	344	y	89.75	R8
7/17/20 16:00	17.1	44	14.41	344	y	90.19	R8
7/17/20 17:00	17.1	43	13.46	344	y	87.2	R8
7/17/20 18:00	16.9	44	12.62	347	y	86.25	R8
7/17/20 19:00	16.4	45	12.00	349	y	78.63	R8
7/17/20 20:00	16.1	50	10.02	352	y	75.9	R8
7/17/20 21:00	15.3	53	8.35	359	y	71.57	R8
7/17/20 22:00	14.1	57	6.64	1	y	63.03	R8
7/17/20 23:00	12.8	63	6.38	357	y	60.03	R8
7/18/20 0:00	11.5	69	6.60	355	y	60.09	R8
7/18/20 1:00	10.4	72	6.94	352	y	60.35	R8
7/18/20 2:00	9.4	75	5.45	353	y	57.19	R8
7/18/20 3:00	8.0	82	5.16	344	y	57.45	R8

Date and Time	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Average Wind Direction (°)	F.O.	L _{eq} 1 h (dBA)	Station
7/18/20 4:00	7.4	83	3.85	358		58.04	R8
7/18/20 5:00	7.8	83	4.55	355	y	53.38	R8
7/18/20 6:00	8.7	80	3.30	345		58.43	R8
7/18/20 7:00	9.6	74	4.12	359		61.35	R8
7/18/20 8:00	10.6	67	4.57	356	y	65.19	R8
7/18/20 9:00	11.2	62	4.98	359	y	68.01	R8
7/18/20 10:00	11.5	59	5.16	6	y	68.05	R8
7/18/20 11:00	12.5	55	5.12	9	y	68.13	R8
7/18/20 12:00	13.9	48	5.65	7	y	68.15	R8
7/18/20 13:00	14.5	47	5.40	7	y	68.72	R8
7/18/20 14:00	15.0	45	5.68	5	y	70.91	R8
7/18/20 15:00	15.6	43	6.65	359	y	72.85	R8
7/18/20 16:00	15.9	44	7.19	354	y	73.89	R8
7/18/20 17:00	15.7	46	7.43	3	y	74.07	R8
7/18/20 18:00	15.8	47	7.12	5	y	72.18	R8
7/18/20 19:00	15.9	43	7.50	358	y	73.88	R8
7/18/20 20:00	14.9	48	7.54	15	y	69.75	R8
7/18/20 21:00	13.7	52	6.90	14	y	59.6	R8
7/18/20 22:00	12.9	58	4.64	20	y	35.41	R8
7/18/20 23:00	12.4	62	2.92	19		24.93	R8
7/19/20 0:00	11.6	66	2.16	35		23.7	R8
7/19/20 1:00	10.3	73	1.71	53		25.69	R8
7/19/20 2:00	9.1	78	1.78	54		22.38	R8
7/19/20 3:00	8.5	79	1.46	52		22.2	R8
7/19/20 4:00	7.7	82	1.81	11		25.42	R8
7/19/20 5:00	8.2	81	2.88	348		31.79	R8
7/19/20 6:00	9.6	78	2.65	347		31.02	R8
7/19/20 7:00	11.2	70	2.44	348		43.29	R8
7/19/20 8:00	11.0	68	2.37	19		51.28	R8
7/19/20 9:00	11.5	64	3.00	32		60.36	R8
7/19/20 10:00	12.2	61	4.09	26		55.34	R8
7/19/20 11:00	13.6	53	3.94	16		57.11	R8
7/21/20 9:00	13.2	71	5.78	14	y	50.7	R11
7/21/20 10:00	13.5	64	6.67	16	y	42.42	R11
7/21/20 11:00	14.4	57	6.52	16	y	40.3	R11
7/21/20 12:00	15.2	54	5.94	16	y	41.39	R11
7/21/20 13:00	16.0	49	6.16	9	y	40.28	R11
7/21/20 14:00	16.8	44	5.84	3	y	41.14	R11

Date and Time	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Average Wind Direction (°)	F.O.	L _{eq} 1 h (dBA)	Station
7/21/20 15:00	17.3	42	5.95	10	y	40.82	R11
7/21/20 16:00	17.8	41	6.04	8	y	47.8	R11
7/21/20 17:00	18.1	36	6.08	14	y	41.9	R11
7/21/20 18:00	18.0	39	6.37	13	y	41.72	R11
7/21/20 19:00	18.1	41	6.68	15	y	42.04	R11
7/21/20 20:00	17.7	46	6.68	24	y	40.88	R11
7/21/20 21:00	17.0	44	6.46	33	y	38.77	R11
7/21/20 22:00	16.0	43	6.37	33	y	33.07	R11
7/21/20 23:00	14.6	46	5.12	24	y	26.31	R11
7/22/20 0:00	12.9	60	4.83	18	y	30.92	R11
7/22/20 1:00	12.0	64	5.52	30	y	26.9	R11
7/22/20 2:00	11.3	68	5.07	35	y	28.22	R11
7/22/20 3:00	10.6	73	5.08	34	y	28.03	R11
7/22/20 4:00	10.0	78	4.82	36	y	31.08	R11
7/22/20 5:00	9.9	80	4.09	41		31.64	R11
7/22/20 6:00	10.9	77	3.22	55		32.21	R11
7/22/20 7:00	12.3	72	4.48	66	y	32.37	R11
7/22/20 8:00	13.9	65	4.56	80	y	31.67	R11
7/22/20 9:00	15.1	59	3.86	80		29.58	R11
7/22/20 10:00	15.8	55	2.61	85		28.08	R11
7/22/20 11:00	17.2	49	2.05	71		28.35	R11
7/22/20 12:00	18.1	45	2.05	60		27.05	R11
7/22/20 13:00	18.7	39	2.16	27		28.78	R11
7/22/20 14:00	19.1	35	2.05	9		29.05	R11
7/22/20 15:00	19.8	32	1.93	358		28.56	R11
7/22/20 16:00	20.3	31	2.29	3		32.44	R11
7/22/20 17:00	20.6	31	2.04	359		27.22	R11
7/22/20 18:00	20.9	30	1.78	7		24.85	R11
7/22/20 19:00	20.8	30	2.14	6		25.16	R11
7/22/20 20:00	20.5	31	1.66	15		25.19	R11
7/22/20 21:00	20.1	32	1.56	71		28.74	R11
7/22/20 22:00	19.3	36	2.13	91		29.84	R11
7/22/20 23:00	17.7	46	3.36	89		32.59	R11
7/23/20 0:00	15.6	55	4.07	76		35.02	R11
7/23/20 1:00	14.4	60	5.06	78	y	34.74	R11
7/23/20 2:00	13.5	65	5.40	79	y	41.63	R11
7/23/20 3:00	12.9	65	5.12	81	y	48.86	R11
7/23/20 4:00	12.0	71	4.13	92		47.79	R11
7/23/20 5:00	12.2	70	4.52	100	y	49.38	R11

Date and Time	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Average Wind Direction (°)	F.O.	L _{eq} 1 h (dBA)	Station
7/23/20 6:00	13.1	68	4.07	102		49.61	R11
7/23/20 7:00	13.9	69	3.33	118		45.11	R11
7/23/20 8:00	16.2	61	3.77	140		34.64	R11
7/23/20 9:00	17.7	54	4.68	141	y	36.4	R11
7/23/20 10:00	19.1	49	4.88	140	y	36.31	R11
7/23/20 11:00	20.3	44	5.16	139	y	36.73	R11
7/23/20 12:00	21.4	39	5.03	148	y	35.47	R11
7/23/20 13:00	21.6	38	4.89	148	y	68.14	R11
7/24/20 11:00	20.8	42	6.15	146	y	48.19	R10
7/24/20 12:00	21.2	41	7.38	140	y	47.74	R10
7/24/20 13:00	22.1	39	8.01	143	y	49.75	R10
7/24/20 14:00	22.9	36	8.71	152	y	54.26	R10
7/24/20 15:00	23.2	36	9.27	155	y	54.9	R10
7/24/20 16:00	22.9	34	10.35	145	y	55.6	R10
7/24/20 17:00	22.4	41	10.11	163	y	55.44	R10
7/24/20 18:00	21.4	45	10.23	154	y	56.45	R10
7/24/20 19:00	20.5	50	10.90	154	y	53.78	R10
7/24/20 20:00	19.5	50	10.48	154	y	49.29	R10
7/24/20 21:00	18.6	53	8.81	156	y	46.17	R10
7/24/20 22:00	17.5	61	7.59	155	y	53.02	R10
7/24/20 23:00	16.2	68	8.71	147	y	56.89	R10
7/25/20 0:00	15.0	69	10.70	141	y	53.25	R10
7/25/20 1:00	13.6	76	10.38	143	y	53.61	R10
7/25/20 2:00	12.7	80	10.23	146	y	56.11	R10
7/25/20 3:00	12.0	84	11.10	144	y	59.76	R10
7/25/20 4:00	11.2	86	12.22	147	y	59.26	R10
7/25/20 5:00	10.7	85	11.85	151	y	59.46	R10
7/25/20 6:00	10.4	84	12.19	157	y	62.02	R10
7/25/20 7:00	10.5	84	13.11	153	y	62.57	R10
7/25/20 8:00	10.6	85	12.71	152	y	62.33	R10
7/25/20 9:00	10.9	84	12.96	156	y	62.08	R10
7/25/20 10:00	11.3	82	12.77	155	y	58.02	R10
7/25/20 11:00	11.5	82	12.08	157	y	58.71	R10
7/25/20 12:00	12.0	79	12.14	164	y	59.07	R10
7/25/20 13:00	12.1	78	11.24	173	y	58.33	R10
7/25/20 14:00	12.4	75	11.15	173	y	56.68	R10
7/25/20 15:00	12.9	73	10.29	171	y	53.75	R10
7/25/20 16:00	12.6	74	9.15	177	y	55.24	R10

Date and Time	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Average Wind Direction (°)	F.O.	L _{eq} 1 h (dBA)	Station
7/25/20 17:00	12.7	74	9.09	177	y	51.37	R10
7/25/20 18:00	13.1	72	8.78	175	y	48.89	R10
7/25/20 19:00	13.1	74	8.23	175	y	44.53	R10
7/25/20 20:00	12.8	76	7.82	176	y	44.33	R10
7/25/20 21:00	12.5	79	7.06	182	y	39.06	R10
7/25/20 22:00	12.2	81	5.65	179	y	34.46	R10
7/25/20 23:00	11.9	83	4.74	175	y	30.1	R10
7/26/20 0:00	11.5	85	3.56	169		33.52	R10
7/26/20 1:00	11.2	88	3.71	155		32.09	R10
7/26/20 2:00	11.3	88	4.43	148	y	41.87	R10
7/26/20 3:00	11.2	87	5.96	166	y	41.39	R10
7/26/20 4:00	11.0	87	7.01	176	y	45.51	R10
7/26/20 5:00	10.7	88	6.87	175	y	40.58	R10
7/26/20 6:00	10.6	89	6.71	176	y	40.53	R10
7/26/20 7:00	10.7	91	6.17	172	y	41.8	R10
7/26/20 8:00	11.4	86	6.71	168	y	38.93	R10
7/26/20 9:00	11.4	89	6.01	166	y	60.1	R10
8/01/20 13:00	19.0	34	1.59	251		70.94	R9
8/01/20 14:00	19.3	35	2.12	236		25.54	R9
8/01/20 15:00	20.2	34	2.77	253		28.18	R9
8/01/20 16:00	20.9	37	3.06	282		26.72	R9
8/01/20 17:00	21.5	38	3.35	275		25.93	R9
8/01/20 18:00	21.9	37	2.81	284		26.01	R9
8/01/20 19:00	22.1	39	2.84	262		22.35	R9
8/01/20 20:00	21.8	41	2.55	254		22.09	R9
8/01/20 21:00	20.9	46	2.86	228		28.24	R9
8/01/20 22:00	18.4	55	3.66	199		29.16	R9
8/01/20 23:00	16.8	62	3.94	194		28.74	R9
8/02/20 0:00	15.5	66	4.45	187	y	29.78	R9
8/02/20 1:00	14.8	69	4.76	192	y	30.11	R9
8/02/20 2:00	14.2	72	3.96	203		33.49	R9
8/02/20 3:00	13.3	77	2.62	203		35.21	R9
8/02/20 4:00	12.7	80	2.41	204		33.6	R9
8/02/20 5:00	13.3	79	2.93	212		32.54	R9
8/02/20 6:00	13.6	80	3.94	213		32.14	R9
8/02/20 7:00	14.8	76	4.38	216	y	37.09	R9
8/02/20 8:00	15.8	74	4.06	206		36.7	R9
8/02/20 9:00	17.3	70	4.43	212	y	38.17	R9

Date and Time	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Average Wind Direction (°)	F.O.	L _{eq} 1 h (dBA)	Station
8/02/20 10:00	19.4	62	4.32	225	y	40.06	R9
8/02/20 11:00	21.5	55	5.58	229	y	47.8	R9
8/02/20 12:00	22.2	54	7.02	215	y	51.48	R9
8/02/20 13:00	23.3	49	8.82	222	y	53.58	R9
8/02/20 14:00	24.2	44	9.99	232	y	55.57	R9
8/02/20 15:00	25.0	41	10.09	234	y	54.08	R9
8/02/20 16:00	25.4	40	10.05	235	y	51.79	R9
8/02/20 17:00	25.5	42	9.35	235	y	49.8	R9
8/02/20 18:00	25.5	43	8.68	232	y	49.79	R9
8/02/20 19:00	25.1	44	8.35	227	y	48.35	R9
8/02/20 20:00	24.1	47	8.18	225	y	45.34	R9
8/02/20 21:00	22.8	52	7.50	225	y	43.7	R9
8/02/20 22:00	21.3	57	6.46	224	y	43.35	R9
8/02/20 23:00	20.0	61	6.42	226	y	41.89	R9
8/03/20 0:00	19.0	65	5.67	221	y	35.49	R9
8/03/20 1:00	18.4	67	5.02	229	y	28.11	R9
8/03/20 2:00	17.4	72	3.73	235		29.82	R9
8/03/20 3:00	16.5	74	2.89	234		32.94	R9
8/03/20 4:00	16.2	76	4.20	226	y	37.76	R9
8/03/20 5:00	15.7	78	4.98	222	y	38.41	R9
8/03/20 6:00	15.9	77	5.29	222	y	41.03	R9
8/03/20 7:00	17.7	70	4.59	224	y	42.42	R9
8/03/20 8:00	19.3	65	5.78	227	y	44.91	R9
8/03/20 9:00	20.9	60	6.49	232	y	43.66	R9
8/03/20 10:00	22.4	56	6.93	235	y	78.52	R9
8/04/20 12:00	24.8	54	6.50	208	y	62.83	R7
8/04/20 13:00	26.1	50	7.67	206	y	44.69	R7
8/04/20 14:00	27.5	47	7.75	224	y	43.87	R7
8/04/20 15:00	28.8	44	7.71	235	y	46.45	R7
8/04/20 16:00	30.2	37	8.04	249	y	45.9	R7
8/04/20 17:00	30.7	38	7.31	256	y	43.89	R7
8/04/20 18:00	30.4	39	7.12	257	y	39.1	R7
8/04/20 19:00	29.7	41	6.14	239	y	42.36	R7
8/04/20 20:00	27.6	47	7.20	226	y	39.81	R7
8/04/20 21:00	26.6	48	6.87	238	y	34.09	R7
8/04/20 22:00	25.3	49	5.44	243	y	35.53	R7
8/04/20 23:00	23.8	54	3.65	246		37.2	R7
8/05/20 0:00	22.0	61	2.56	214		35.87	R7

Date and Time	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Average Wind Direction (°)	F.O.	L _{eq} 1 h (dBA)	Station
8/05/20 1:00	21.8	63	4.65	216	y	37.1	R7
8/05/20 2:00	21.0	63	4.64	224	y	35.93	R7
8/05/20 3:00	19.6	68	4.33	211	y	38.41	R7
8/05/20 4:00	19.1	70	2.42	224		32.71	R7
8/05/20 5:00	18.1	74	1.78	199		32.73	R7
8/05/20 6:00	17.3	76	1.39	137		31.81	R7
8/05/20 7:00	17.9	77	3.96	200		37.67	R7
8/05/20 8:00	19.4	72	4.37	250	y	39.37	R7
8/05/20 9:00	20.3	70	4.82	256	y	40.08	R7
8/05/20 10:00	20.7	69	5.73	259	y	41.81	R7
8/05/20 11:00	23.1	62	5.95	269	y	42.19	R7
8/05/20 12:00	24.1	58	6.55	282	y	46.47	R7
8/05/20 13:00	24.8	55	6.74	287	y	44.06	R7
8/08/20 13:00	16.2	91	5.81	167	y	50.11	R8
8/08/20 14:00	18.6	80	5.31	170	y	38.9	R8
8/08/20 15:00	21.5	66	5.94	171	y	41.84	R8
8/08/20 16:00	22.2	59	5.88	165	y	40.64	R8
8/08/20 17:00	22.5	54	6.10	165	y	41.17	R8
8/08/20 18:00	22.7	52	5.97	170	y	39.94	R8
8/08/20 19:00	22.5	52	6.21	168	y	38.42	R8
8/08/20 20:00	21.9	54	6.20	163	y	39.59	R8
8/08/20 21:00	20.7	58	5.78	160	y	30.45	R8
8/08/20 22:00	18.9	66	4.87	159	y	34.76	R8
8/08/20 23:00	17.1	73	4.89	159	y	35.2	R8
8/09/20 1:00	15.3	83	5.00	158	y	32.87	R8
8/09/20 2:00	14.3	87	4.76	148	y	35.89	R8
8/09/20 3:00	13.6	90	4.37	149	y	38.28	R8
8/09/20 4:00	12.9	92	4.04	138	y	38.6	R8
8/09/20 5:00	12.7	93	3.86	119	y	37.38	R8
8/09/20 6:00	12.6	94	3.95	115	y	41.11	R8
8/09/20 7:00	13.2	92	2.88	115	y	41.69	R8
8/09/20 8:00	14.2	90	3.87	119		31.41	R8
8/09/20 9:00	15.5	85	5.37	124	y	35.33	R8
8/09/20 10:00	16.4	79	5.62	123	y	38.93	R8
8/09/20 11:00	18.2	69	6.02	138	y	38.34	R8
8/09/20 12:00	19.1	64	6.02	136	y	37.06	R8
8/09/20 13:00	19.7	61	5.62	123	y	37.58	R8
8/09/20 14:00	20.1	56	5.82	116	y	36.53	R8

Date and Time	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Average Wind Direction (°)	F.O.	L _{eq} 1 h (dBA)	Station
8/09/20 15:00	21.2	52	5.04	119	y	36.99	R8
8/09/20 16:00	22.0	49	5.68	120	y	38.48	R8
8/09/20 17:00	22.5	48	5.76	128	y	38.02	R8
8/09/20 18:00	22.6	47	5.74	121	y	35.18	R8
8/09/20 19:00	22.7	46	5.40	123	y	35.45	R8
8/09/20 20:00	22.5	47	5.49	136	y	33.89	R8
8/09/20 21:00	21.7	49	5.26	152	y	37.04	R8
8/09/20 22:00	19.8	54	4.43	170	y	32.2	R8
8/09/20 23:00	17.3	65	3.16	176		32.91	R8
8/10/20 0:00	16.4	69	2.75	165		32.56	R8
8/10/20 1:00	15.8	71	1.80	128		31.43	R8
8/10/20 2:00	15.4	71	2.96	120		31.56	R8
8/10/20 3:00	15.2	73	2.29	109		30.15	R8
8/10/20 4:00	14.8	69	2.52	111		31.56	R8
8/10/20 5:00	14.5	68	3.01	108		29.18	R8
8/10/20 6:00	14.1	71	2.41	108		34.01	R8
8/10/20 7:00	14.1	74	3.13	124		35.86	R8
8/10/20 8:00	15.2	68	4.06	126		35.28	R8
8/10/20 9:00	15.3	63	4.98	130	y	34.04	R8
8/10/20 10:00	16.2	57	3.57	126		33.77	R8
8/10/20 11:00	17.0	54	4.00	115		28.82	R8
8/10/20 12:00	17.9	47	3.64	127		30.61	R8
8/10/20 13:00	18.6	51	2.93	95		34.69	R8
8/10/20 14:00	19.3	53	3.12	97		28.47	R8
8/10/20 15:00	20.0	54	3.61	76		34.46	R8
8/10/20 16:00	20.9	48	4.88	43	y	41.59	R8
8/10/20 17:00	21.6	40	6.37	54	y	42.62	R8
8/10/20 18:00	21.6	27	6.03	57	y	42.37	R8
8/10/20 19:00	21.4	28	6.06	63	y	40.29	R8
8/10/20 20:00	21.1	29	6.36	66	y	36.64	R8
8/10/20 21:00	20.2	35	4.47	57	y	27.68	R8
8/10/20 22:00	18.4	43	2.92	50		35.03	R8
8/10/20 23:00	16.6	49	5.75	32	y	38.22	R8
8/11/20 0:00	14.4	60	7.24	22	y	42.13	R8
8/11/20 1:00	13.1	70	6.71	20	y	38.04	R8
8/11/20 2:00	12.0	76	5.94	28	y	37.05	R8
8/11/20 3:00	11.2	81	5.97	24	y	36.6	R8
8/11/20 4:00	10.5	84	6.24	15	y	37.61	R8
8/11/20 5:00	9.9	87	5.76	9	y	39.19	R8

Date and Time	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Average Wind Direction (°)	F.O.	L _{eq} 1 h (dBA)	Station
8/11/20 6:00	10.0	86	5.98	9	y	39.29	R8
8/11/20 7:00	10.6	83	5.01	7	y	40.9	R8
8/11/20 8:00	11.5	79	5.29	7	y	40.48	R8
8/11/20 9:00	12.8	74	5.95	2	y	41.78	R8
8/11/20 10:00	13.9	69	4.92	2	y	38.78	R8
8/11/20 11:00	14.8	61	6.67	11	y	45.05	R8
8/11/20 12:00	15.6	52	6.27	12	y	42.51	R8
8/11/20 13:00	16.3	45	5.69	12	y	40.6	R8
8/11/20 14:00	16.9	40	6.57	14	y	44.01	R8
8/11/20 15:00	17.0	40	6.03	13	y	58.19	R8
8/12/20 14:00	14.8	57	5.55	340	y	50.2	R10
8/12/20 15:00	14.6	57	4.63	351	y	36.76	R10
8/12/20 16:00	14.9	48	4.53	351	y	35.76	R10
8/12/20 17:00	14.8	44	3.69	6		47.71	R10
8/12/20 18:00	14.7	43	3.38	18		44.66	R10
8/12/20 19:00	14.6	41	2.66	24		34.83	R10
8/12/20 20:00	14.5	43	1.56	20		35.66	R10
8/12/20 21:00	14.0	45	1.08	36		33.2	R10
8/12/20 22:00	13.2	49	1.28	41		32.99	R10
8/12/20 23:00	12.2	54	1.90	87		38.96	R10
8/13/20 0:00	10.6	69	3.13	122		37.07	R10
8/13/20 1:00	9.4	77	3.75	126		33.31	R10
8/13/20 2:00	9.2	78	4.06	128		36.21	R10
8/13/20 3:00	9.1	81	3.90	125		42.18	R10
8/13/20 4:00	8.5	86	3.42	130		42.67	R10
8/13/20 5:00	8.6	85	3.84	120		43.64	R10
8/13/20 6:00	8.6	87	3.02	132		49.66	R10
8/13/20 7:00	9.9	83	3.16	118		49.09	R10
8/13/20 8:00	11.7	75	2.96	124		41.87	R10
8/13/20 9:00	13.2	71	3.73	134		41.76	R10
8/13/20 10:00	15.2	64	4.22	150	y	50.55	R10
8/13/20 11:00	17.9	50	3.79	173		43.18	R10
8/13/20 12:00	17.9	49	4.93	173	y	50.19	R10
8/13/20 13:00	17.4	49	6.01	159	y	46.53	R10
8/13/20 14:00	17.2	50	7.35	157	y	43.22	R10
8/13/20 15:00	16.6	54	6.88	145	y	45.73	R10
8/13/20 16:00	16.6	54	6.91	140	y	53.44	R10
8/13/20 17:00	16.8	56	7.22	145	y	52.07	R10

Date and Time	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Average Wind Direction (°)	F.O.	L _{eq} 1 h (dBA)	Station
8/13/20 18:00	16.7	56	6.96	142	y	37.11	R10
8/13/20 19:00	15.6	70	5.73	144	y	38.4	R10
8/13/20 20:00	15.0	76	4.81	143	y	39.14	R10
8/13/20 21:00	14.3	78	6.06	147	y	40.88	R10
8/13/20 22:00	13.4	86	5.53	129	y	41.44	R10
8/13/20 23:00	13.0	90	6.08	121	y	46.24	R10
8/14/20 0:00	12.8	92	7.18	121	y	50.28	R10
8/14/20 1:00	12.5	92	7.76	116	y	55.08	R10
8/14/20 2:00	12.2	92	9.55	113	y	58.4	R10
8/14/20 3:00	11.9	92	10.93	114	y	58.23	R10
8/14/20 4:00	11.7	94	11.06	106	y	50.32	R10
8/14/20 5:00	11.5	95	13.07	115	y	51.08	R10
8/14/20 6:00	11.2	95	13.91	126	y	55.05	R10
8/14/20 7:00	11.3	94	12.95	135	y	43.45	R10
8/14/20 8:00	11.3	96	11.71	144	y	41.47	R10
8/14/20 9:00	11.5	96	10.61	150	y	39.08	R10
8/14/20 10:00	11.6	96	9.64	145	y	38.94	R10
8/14/20 11:00	11.8	97	9.36	150	y	47.99	R10
8/14/20 12:00	12.1	97	8.57	145	y	38.56	R10
8/14/20 13:00	12.3	96	8.27	142	y	50.36	R10
8/14/20 14:00	12.5	95	7.34	146	y	50.56	R10
8/14/20 15:00	12.6	95	6.00	145	y	45.88	R10
8/14/20 16:00	13.0	94	5.60	145	y	28.07	R10
8/14/20 17:00	13.3	93	5.29	134	y	51.57	R10
8/14/20 18:00	13.6	90	4.80	146	y	25.57	R10
8/14/20 19:00	13.4	90	4.60	140	y	28.54	R10
8/14/20 20:00	13.3	91	4.39	136	y	27.91	R10
8/14/20 21:00	12.8	93	4.57	128	y	30.67	R10
8/14/20 22:00	12.4	94	4.82	114	y	31.22	R10
8/14/20 23:00	12.1	96	5.41	107	y	32.77	R10
8/15/20 0:00	11.9	97	6.13	115	y	31.09	R10
8/15/20 1:00	11.7	98	6.03	116	y	32	R10
8/15/20 2:00	12.1	98	5.08	119	y	27.91	R10
8/15/20 3:00	12.3	98	4.49	120	y	31.65	R10
8/15/20 4:00	12.3	98	5.42	121	y	32.69	R10
8/15/20 5:00	12.4	99	5.52	109	y	30.92	R10
8/15/20 6:00	12.4	99	6.14	118	y	32.63	R10
8/15/20 7:00	12.4	99	5.82	122	y	35.01	R10
8/15/20 8:00	12.5	99	5.95	131	y	31.87	R10

Date and Time	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Average Wind Direction (°)	F.O.	L _{eq} 1 h (dBA)	Station
8/15/20 9:00	12.5	99	5.34	125	y	59.21	R10
8/15/20 10:00	12.6	99	4.77	125	y	26.53	R10
8/15/20 11:00	13.2	96	4.77	139	y	26.98	R10
8/15/20 12:00	15.0	87	3.58	138		50.18	R10
8/15/20 13:00	15.1	85	2.41	107		28.88	R10
8/15/20 14:00	15.7	81	2.24	94		68.95	R10
8/17/20 10:00	5.8	90	5.35	333	y	70.01	R11
8/17/20 11:00	6.8	85	5.60	327	y	46.11	R11
8/17/20 12:00	7.8	78	6.82	329	y	45.38	R11
8/17/20 13:00	7.9	76	6.98	328	y	48.36	R11
8/17/20 14:00	8.7	73	6.42	333	y	49.11	R11
8/17/20 15:00	10.4	65	8.28	330	y	49.55	R11
8/17/20 16:00	9.8	70	7.95	331	y	54.21	R11
8/17/20 17:00	10.3	65	8.82	331	y	53.41	R11
8/17/20 18:00	9.8	65	8.95	336	y	51	R11
8/17/20 19:00	9.6	64	9.02	335	y	52.44	R11
8/17/20 20:00	7.7	70	9.08	340	y	49.93	R11
8/17/20 21:00	5.2	79	8.83	336	y	50.81	R11
8/17/20 22:00	4.3	84	8.42	336	y	51.47	R11
8/17/20 23:00	3.8	85	8.62	336	y	50.18	R11
8/18/20 0:00	3.8	81	8.61	336	y	49.17	R11
8/18/20 1:00	3.8	81	8.40	337	y	46.54	R11
8/18/20 2:00	3.5	86	7.37	347	y	45.07	R11
8/18/20 3:00	3.4	88	6.84	341	y	45.99	R11
8/18/20 4:00	3.5	88	6.41	331	y	46.58	R11
8/18/20 5:00	3.8	89	7.58	333	y	43.41	R11
8/18/20 6:00	3.9	91	7.05	338	y	46.01	R11
8/18/20 7:00	4.2	89	5.39	339	y	39.42	R11
8/18/20 8:00	5.0	84	5.76	335	y	44.26	R11
8/18/20 9:00	6.5	76	5.59	332	y	39.97	R11
8/18/20 10:00	7.5	71	4.83	337	y	34.63	R11
8/18/20 11:00	8.9	63	3.86	314		33.3	R11
8/18/20 12:00	10.2	55	3.28	311		32.3	R11
8/18/20 13:00	9.9	53	3.04	312		38.72	R11
8/18/20 14:00	10.1	54	3.77	285		39.13	R11
8/18/20 15:00	10.6	55	4.28	272	y	40.56	R11
8/18/20 16:00	11.2	54	4.26	264	y	42.8	R11
8/18/20 17:00	11.3	54	3.20	277		35.37	R11

Date and Time	Average Air Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Average Wind Direction (°)	F.O.	L _{eq} 1 h (dBA)	Station
8/18/20 18:00	11.0	60	3.79	273		32.45	R11
8/18/20 19:00	10.3	69	3.15	242		31.25	R11
8/18/20 20:00	9.6	74	2.95	292		33.58	R11
8/18/20 21:00	9.3	74	1.77	313		30.54	R11
8/18/20 22:00	8.5	77	2.41	324		22.85	R11
8/18/20 23:00	7.6	83	4.05	19		21.62	R11
8/19/20 0:00	6.5	89	3.69	27		23.01	R11
8/19/20 1:00	5.8	93	3.28	32	y	34.04	R11
8/19/20 2:00	5.9	91	3.77	35	y	32.55	R11
8/19/20 3:00	5.0	87	5.61	33	y	26.34	R11
8/19/20 4:00	4.5	86	4.17	37	y	23.87	R11
8/19/20 5:00	4.4	86	3.15	45		24.97	R11
8/19/20 6:00	4.3	86	2.42	54		25.04	R11
8/19/20 7:00	4.4	86	2.73	75		31.72	R11
8/19/20 8:00	4.6	86	2.47	78		41.91	R11
8/19/20 9:00	5.0	85	2.62	92		42.63	R11

Table-Apx 2: Average hourly air temperature, relative humidity, wind speed, and wind direction for the Meadowbank site weather station (used for analysis of monitoring stations R1 – R6). All calculated 1-h Leq values are provided. Those excluded from analyses based on unacceptable weather conditions are indicated “y” in column F.O. (Filtered Out). Measurements from the first and last hour of a monitoring period were also filtered out to remove technician interference.

Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
6/30/20 11:00	17.8	43	2.09	185		60.90	R2		
6/30/20 12:00	19.0	40	1.77	151		27.34	R2		
6/30/20 13:00	19.9	36	1.77	161		27.98	R2		
6/30/20 14:00	20.7	34	1.83	176		24.17	R2		
6/30/20 15:00	21.0	33	2.10	190		21.95	R2		
6/30/20 16:00	21.6	29	2.19	156		26.64	R2		
6/30/20 17:00	21.5	32	3.39	135		33.83	R2		
6/30/20 18:00	21.5	28	4.16	117		30.79	R2		
6/30/20 19:00	21.6	29	4.06	116		26.67	R2		
6/30/20 20:00	21.5	30	3.90	117		27.26	R2		
6/30/20 21:00	21.1	30	4.09	139		29.27	R2		
6/30/20 22:00	18.2	51	3.63	164		27.69	R2		
6/30/20 23:00	15.7	58	2.09	177		29.84	R2		
7/01/20 0:00	14.2	60	2.14	192		31.69	R2		

Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
7/01/20 1:00	13.7	61	1.89	177		31.68	R2		
7/01/20 2:00	12.6	66	2.11	179		32.47	R2		
7/01/20 3:00	11.4	68	2.79	192		31.29	R2		
7/01/20 4:00	11.2	63	2.33	186		28.34	R2		
7/01/20 5:00	11.4	62	2.64	172		30.20	R2		
7/01/20 6:00	11.8	60	2.09	168		38.76	R2		
7/01/20 7:00	13.5	55	2.07	168		26.83	R2		
7/01/20 8:00	15.4	53	2.01	170		26.32	R2		
7/01/20 9:00	16.4	55	3.00	190		28.21	R2		
7/01/20 10:00	17.3	52	3.79	203		26.41	R2		
7/01/20 11:00	20.0	47	3.56	214		35.38	R2		
7/01/20 12:00	21.5	37	4.47	236	y	57.30	R2		
7/01/20 13:00	23.4	33	6.08	251	y	39.92	R2		
7/01/20 14:00	23.7	33	5.97	257	y	39.17	R2		
7/01/20 15:00	24.6	31	5.89	269	y	36.36	R2		
7/01/20 16:00	23.4	37	5.13	293	y	31.87	R2		
7/01/20 17:00	25.0	33	6.15	337	y	44.20	R2		
7/01/20 18:00	25.4	27	6.09	348	y	35.34	R2		
7/01/20 19:00	25.0	34	5.87	356	y	31.60	R2		
7/01/20 20:00	24.0	28	5.30	8	y	28.99	R2		
7/01/20 21:00	23.0	30	4.74	19	y	29.86	R2		
7/01/20 22:00	22.1	34	4.75	38	y	34.49	R2		
7/01/20 23:00	20.1	43	5.90	36	y	38.00	R2		
7/02/20 0:00	18.3	45	6.77	38	y	29.98	R2		
7/02/20 1:00	17.1	50	6.87	37	y	31.52	R2		
7/02/20 2:00	16.1	53	6.95	37	y	35.88	R2		
7/02/20 3:00	15.0	60	5.31	44	y	38.30	R2		
7/02/20 4:00	13.6	63	3.94	50		35.33	R2		
7/02/20 5:00	13.1	66	3.90	67		36.53	R2		
7/02/20 6:00	13.1	67	4.67	55	y	42.12	R2		
7/02/20 7:00	13.1	66	4.14	66		36.87	R2		
7/02/20 8:00	14.2	58	4.05	69		33.20	R2		
7/02/20 9:00	15.8	47	4.20	75	y	33.83	R2		
7/02/20 10:00	17.0	42	3.54	68		28.16	R2		
7/02/20 11:00	18.0	38	3.86	59		39.01	R2		
7/02/20 12:00	19.0	37	4.62	60	y	44.02	R2		
7/02/20 13:00	20.0	37	4.35	59	y	36.56	R2		
7/02/20 14:00	20.9	36	4.36	85	y	27.49	R2		
7/02/20 15:00	21.1	34	4.20	121	y	33.50	R2		

Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
7/02/20 16:00	21.7	31	4.73	124	y	55.64	R2		
7/04/20 12:00	14.3	50	6.18	165	y	74.32	R6		
7/04/20 13:00	14.3	54	7.13	173	y	44.89	R6		
7/04/20 14:00	14.7	50	6.81	174	y	46.10	R6		
7/04/20 15:00	14.7	52	7.35	173	y	44.46	R6		
7/04/20 16:00	15.0	55	7.56	170	y	47.69	R6		
7/04/20 17:00	14.7	60	9.11	173	y	44.13	R6		
7/04/20 18:00	14.6	65	7.82	182	y	39.89	R6		
7/04/20 19:00	13.3	71	6.11	185	y	35.35	R6		
7/04/20 20:00	13.5	76	5.70	186	y	32.46	R6		
7/04/20 21:00	12.8	78	4.70	182	y	31.18	R6		
7/04/20 22:00	13.1	78	4.22	175	y	30.90	R6		
7/04/20 23:00	14.2	73	3.43	153		33.79	R6		
7/05/20 0:00	13.6	78	2.75	120		34.49	R6		
7/05/20 1:00	12.5	81	2.88	115		39.33	R6		
7/05/20 2:00	11.7	84	2.40	125		40.64	R6		
7/05/20 3:00	11.4	85	2.86	147		37.85	R6		
7/05/20 4:00	10.6	88	2.00	118		33.32	R6		
7/05/20 5:00	10.6	89	2.19	120		38.54	R6		
7/05/20 6:00	10.3	87	2.30	117		34.63	R6		
7/05/20 7:00	10.5	86	2.49	105		33.52	R6		
7/05/20 8:00	11.7	80	2.72	107		32.41	R6		
7/05/20 9:00	13.1	75	3.19	109		33.18	R6		
7/05/20 10:00	15.4	74	3.60	157		28.21	R6		
7/05/20 11:00	16.8	68	3.19	173		27.58	R6		
7/05/20 12:00	18.6	63	3.25	169		28.18	R6		
7/05/20 13:00	19.5	64	3.29	204		25.61	R6		
7/05/20 14:00	21.3	57	2.54	187		26.89	R6		
7/05/20 15:00	23.0	55	2.12	153		27.41	R6		
7/05/20 16:00	23.2	53	3.65	101		25.92	R6		
7/05/20 17:00	23.7	49	3.38	107		24.46	R6		
7/05/20 18:00	24.1	48	2.85	121		25.14	R6		
7/05/20 19:00	23.4	53	4.12	144		28.07	R6		
7/05/20 20:00	22.6	52	3.55	151		25.62	R6		
7/05/20 21:00	23.2	52	2.96	116		24.52	R6		
7/05/20 22:00	21.5	59	2.99	103		26.44	R6		
7/05/20 23:00	20.7	57	3.47	112		22.99	R6		
7/06/20 0:00	18.5	68	1.63	127		33.71	R6		

Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
7/06/20 1:00	17.2	70	1.83	123		37.48	R6		
7/06/20 2:00	17.1	71	1.93	101		34.03	R6		
7/06/20 3:00	16.2	75	2.91	98		32.56	R6		
7/06/20 4:00	15.4	78	3.36	101		35.66	R6		
7/06/20 5:00	14.3	82	2.87	103		37.21	R6		
7/06/20 6:00	15.3	77	2.44	92		39.07	R6		
7/06/20 7:00	16.0	76	4.23	100	y	36.57	R6		
7/06/20 8:00	16.5	75	5.02	100	y	37.21	R6		
7/06/20 9:00	16.4	77	4.81	106	y	36.54	R6		
7/06/20 10:00	17.1	70	4.99	113	y	35.87	R6		
7/06/20 11:00	19.0	55	4.99	122	y	43.48	R6		
7/06/20 12:00	20.2	54	5.45	129	y	40.04	R6		
7/06/20 13:00	20.0	60	5.95	119	y	69.19	R6		
7/10/20 14:00	13.1	51	6.90	322	y	53.64	R1		
7/10/20 15:00	13.1	54	6.73	314	y	42.28	R1		
7/10/20 16:00	13.0	50	6.31	305	y	43.83	R1		
7/10/20 17:00	14.0	46	6.65	326	y	39.57	R1		
7/10/20 18:00	14.3	48	6.07	317	y	41.22	R1		
7/10/20 19:00	14.3	48	5.79	320	y	37.36	R1		
7/10/20 20:00	14.1	47	6.33	317	y	32.48	R1		
7/10/20 21:00	14.0	48	4.89	324	y	24.04	R1		
7/10/20 22:00	14.3	51	3.42	345		21.97	R1		
7/10/20 23:00	13.4	57	2.61	348		22.72	R1		
7/11/20 0:00	11.0	67	1.22	344		22.74	R1		
7/11/20 1:00	9.1	79	1.32	188		24.04	R1		
7/11/20 2:00	8.8	75	0.86	151		28.86	R1		
7/11/20 3:00	8.7	78	1.05	154		25.18	R1		
7/11/20 4:00	8.2	80	1.38	178		30.63	R1		
7/11/20 5:00	8.3	74	0.89	131		34.35	R1		
7/11/20 6:00	10.3	67	0.88	114		37.33	R1		
7/11/20 7:00	11.3	73	1.14	120		43.84	R1		
7/11/20 8:00	12.3	61	1.71	92		35.40	R1		
7/11/20 9:00	13.5	57	2.63	113		39.80	R1		
7/11/20 10:00	13.6	60	2.70	135		39.93	R1		
7/11/20 11:00	14.0	58	3.26	115		43.03	R1		
7/11/20 12:00	14.4	58	3.84	113		35.26	R1		
7/11/20 13:00	14.8	54	3.78	112		38.80	R1		
7/11/20 14:00	16.3	50	4.22	128	y	32.23	R1		

Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
7/11/20 15:00	17.3	47	4.73	173	y	33.75	R1		
7/11/20 16:00	17.5	53	5.87	164	y	42.77	R1		
7/11/20 17:00	18.1	51	6.59	164	y	41.20	R1		
7/11/20 18:00	18.2	51	6.65	161	y	40.90	R1		
7/11/20 19:00	18.1	52	6.49	160	y	31.35	R1		
7/11/20 20:00	17.9	52	6.36	157	y	30.24	R1		
7/11/20 21:00	17.9	56	5.72	152	y	32.01	R1		
7/11/20 22:00	17.1	60	6.45	154	y	32.78	R1		
7/11/20 23:00	15.8	64	7.00	162	y	33.59	R1		
7/12/20 0:00	14.9	70	7.19	167	y	27.82	R1		
7/12/20 1:00	12.3	80	5.95	195	y	28.74	R1		
7/12/20 2:00	12.4	72	4.82	224	y	22.48	R1		
7/12/20 3:00	14.0	76	1.97	154		25.44	R1		
7/12/20 4:00	12.8	85	2.47	172		34.85	R1		
7/12/20 5:00	11.7	89	2.61	178		30.91	R1		
7/12/20 6:00	12.0	86	2.30	157		37.55	R1		
7/12/20 7:00	12.2	87	2.63	161		34.74	R1		
7/12/20 8:00	11.6	81	4.62	194	y	33.88	R1		
7/12/20 9:00	13.5	70	5.85	196	y	37.48	R1		
7/12/20 10:00	14.7	68	6.21	192	y	35.11	R1		
7/12/20 11:00	16.4	59	6.06	194	y	38.23	R1		
7/12/20 12:00	18.3	60	6.95	189	y	42.79	R1		
7/12/20 13:00	19.0	46	7.77	183	y	38.63	R1		
7/12/20 14:00	18.6	45	7.98	203	y	41.24	R1		
7/12/20 15:00	18.5	43	8.28	204	y	38.39	R1		
7/12/20 16:00	19.3	44	8.05	200	y	36.85	R1		
7/12/20 17:00	20.0	39	7.71	192	y	37.26	R1		
7/12/20 18:00	20.5	44	7.67	188	y	35.88	R1		
7/12/20 19:00	20.4	48	7.83	174	y	38.94	R1		
7/12/20 20:00	19.6	49	8.60	168	y	42.41	R1		
7/12/20 21:00	19.1	51	7.85	164	y	36.73	R1		
7/12/20 22:00	18.4	52	6.61	157	y	36.61	R1		
7/12/20 23:00	17.1	60	7.20	159	y	36.11	R1		
7/13/20 0:00	15.7	68	7.26	162	y	38.72	R1		
7/13/20 1:00	14.3	73	8.40	168	y	32.15	R1		
7/13/20 2:00	12.8	79	7.95	184	y	38.05	R1		
7/13/20 3:00	11.6	85	6.30	179	y	34.97	R1		
7/13/20 4:00	11.1	85	5.92	174	y	33.59	R1		
7/13/20 5:00	10.6	87	6.05	168	y	40.84	R1		

Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
7/13/20 6:00	10.6	83	6.50	169	y	40.89	R1		
7/13/20 7:00	10.9	78	6.83	166	y	39.80	R1		
7/13/20 8:00	11.6	74	7.29	168	y	39.62	R1		
7/13/20 9:00	12.5	70	7.00	161	y	61.55	R1		
7/27/20 16:00	18.2	48	4.60	206	y				
7/27/20 17:00	18.5	51	4.20	206	y	47.72	R4		
7/27/20 18:00	18.3	54	4.18	203	y	38.55	R4		
7/27/20 19:00	18.0	55	3.61	207		33.37	R4		
7/27/20 20:00	17.6	58	2.50	213		37.70	R4		
7/27/20 21:00	16.9	70	3.69	195		36.70	R4		
7/27/20 22:00	16.6	73	4.19	189	y	31.16	R4		
7/27/20 23:00	15.5	77	3.60	200		32.02	R4		
7/28/20 0:00	14.7	79	2.51	201		32.59	R4		
7/28/20 1:00	14.3	82	2.05	199		34.38	R4		
7/28/20 2:00	14.0	80	1.95	190		32.34	R4		
7/28/20 3:00	14.0	83	1.75	183		34.05	R4		
7/28/20 4:00	13.6	85	1.63	175		35.51	R4		
7/28/20 5:00	13.5	83	1.65	151		34.29	R4		
7/28/20 6:00	13.7	83	1.42	130		32.19	R4		
7/28/20 7:00	13.7	81	2.26	155		32.75	R4		
7/28/20 8:00	14.8	81	3.49	177		33.73	R4		
7/28/20 9:00	15.3	83	4.93	181	y	34.27	R4		
7/28/20 10:00	15.9	72	6.15	181	y	30.58	R4		
7/28/20 11:00	16.8	66	6.60	186	y	31.73	R4		
7/28/20 12:00	16.9	68	7.32	177	y	33.25	R4		
7/28/20 13:00	17.2	63	7.09	174	y	38.82	R4		
7/28/20 14:00	18.1	53	7.47	177	y	46.10	R4		
7/28/20 15:00	19.2	52	8.53	183	y	39.41	R4		
7/28/20 16:00	19.8	49	8.66	187	y	37.00	R4		
7/28/20 17:00	20.0	52	8.65	188	y	35.55	R4		
7/28/20 18:00	20.0	52	8.09	188	y	34.46	R4		
7/28/20 19:00	19.9	55	7.82	188	y	32.04	R4		
7/28/20 20:00	18.9	61	7.38	192	y	33.78	R4		
7/28/20 21:00	18.6	65	5.82	190	y	27.29	R4		
7/28/20 22:00	17.3	74	4.56	182	y	24.83	R4		
7/28/20 23:00	16.3	81	4.45	175	y	28.19	R4		
7/29/20 0:00	15.8	79	5.21	161	y	29.17	R4		
7/29/20 1:00	15.2	82	5.65	154	y	29.33	R4		

Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
7/29/20 2:00	14.6	79	6.57	154	y	35.08	R4		
7/29/20 3:00	14.4	78	7.99	163	y	34.72	R4		
7/29/20 4:00	14.4	77	9.26	167	y	36.73	R4		
7/29/20 5:00	13.9	79	7.60	160	y	36.93	R4		
7/29/20 6:00	13.8	84	7.56	172	y	36.54	R4		
7/29/20 7:00	13.5	86	8.22	159	y	35.57	R4		
7/29/20 8:00	14.0	88	9.43	169	y	32.91	R4		
7/29/20 9:00	14.1	89	7.24	175	y	25.33	R4		
7/31/20 14:00	11.3	62	9.56	332	y	55.56	R1		
7/31/20 15:00	12.2	60	9.97	331	y	57.13	R1		
7/31/20 16:00	13.0	56	10.16	330	y	57.60	R1		
7/31/20 17:00	13.9	54	10.70	330	y	56.44	R1		
7/31/20 18:00	14.5	51	10.00	330	y	53.77	R1		
7/31/20 19:00	14.6	53	9.64	339	y	53.52	R1		
7/31/20 20:00	14.5	56	9.41	343	y	46.60	R1		
7/31/20 21:00	13.8	61	7.62	344	y	38.81	R1		
7/31/20 22:00	12.8	64	6.66	347	y	34.28	R1		
7/31/20 23:00	11.6	73	5.58	339	y	32.47	R1		
8/01/20 0:00	10.6	78	4.59	337	y	29.68	R1		
8/01/20 1:00	10.0	80	4.19	341	y	26.56	R1		
8/01/20 2:00	9.2	87	5.27	332	y	24.07	R1		
8/01/20 3:00	8.7	88	4.75	327	y	21.78	R1		
8/01/20 4:00	7.9	89	2.41	352		35.16	R1		
8/01/20 5:00	7.8	90	2.57	339	y	37.37	R1		
8/01/20 6:00	7.8	88	2.01	343		25.25	R1		
8/01/20 7:00	8.9	88	1.18	347		29.13	R1		
8/01/20 8:00	9.6	83	2.44	310		29.15	R1		
8/01/20 9:00	10.6	74	2.96	308		27.74	R1		
8/01/20 10:00	11.6	67	2.98	312		28.59	R1		
8/01/20 11:00	12.8	54	3.01	314		27.76	R1		
8/01/20 12:00	14.3	40	3.34	315		23.67	R1		
8/01/20 13:00	15.4	40	2.73	303		24.99	R1		
8/01/20 14:00	16.5	34	2.38	309		27.10	R1		
8/01/20 15:00	17.9	29	2.14	307		24.38	R1		
8/01/20 16:00	18.8	30	2.29	306		24.24	R1		
8/01/20 17:00	19.8	33	2.23	302		27.90	R1		
8/01/20 18:00	20.3	34	1.92	308		26.87	R1		
8/01/20 19:00	20.3	41	1.86	231		33.29	R1		

Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
8/01/20 20:00	19.6	46	2.10	212		18.82	R1		
8/01/20 21:00	18.0	57	2.96	205		22.07	R1		
8/01/20 22:00	16.8	61	2.91	197		36.18	R1		
8/01/20 23:00	15.6	67	2.24	184		32.90	R1		
8/02/20 0:00	14.4	64	2.37	181		33.28	R1		
8/02/20 1:00	13.2	69	2.42	180		37.46	R1		
8/02/20 2:00	12.7	68	2.33	176		36.75	R1		
8/02/20 3:00	12.3	77	2.73	184		38.46	R1		
8/02/20 4:00	12.1	77	2.39	194		38.83	R1		
8/02/20 5:00	12.1	78	3.23	190		41.93	R1		
8/02/20 6:00	12.3	78	3.74	195		40.63	R1		
8/02/20 7:00	12.5	80	3.05	187		39.00	R1		
8/02/20 8:00	13.3	76	4.47	203	y	37.68	R1		
8/04/20 15:00	25.3	49	7.78	211	y	52.27	R3		
8/04/20 16:00	26.8	45	6.89	229	y	38.40	R3		
8/04/20 17:00	27.4	42	7.37	246	y	35.33	R3		
8/04/20 18:00	27.2	44	6.90	250	y	32.78	R3		
8/04/20 19:00	26.0	46	6.87	245	y	38.91	R3		
8/04/20 20:00	23.7	59	6.65	232	y	33.87	R3		
8/04/20 21:00	22.3	61	5.04	217	y	31.81	R3		
8/04/20 22:00	21.0	69	5.71	209	y	31.61	R3		
8/04/20 23:00	19.7	73	3.46	198		34.41	R3		
8/05/20 0:00	18.9	77	3.87	196		33.19	R3		
8/05/20 1:00	18.4	77	2.89	185		32.16	R3		
8/05/20 2:00	17.4	80	2.49	184		35.25	R3		
8/05/20 3:00	16.6	83	1.60	157		35.20	R3		
8/05/20 4:00	16.1	85	2.37	179		33.21	R3		
8/05/20 5:00	15.9	85	1.45	163		31.89	R3		
8/05/20 6:00	16.2	87	2.92	172		34.53	R3		
8/05/20 7:00	15.1	91	4.02	208	y	31.63	R3		
8/05/20 8:00	16.0	84	2.54	241		33.84	R3		
8/05/20 9:00	16.5	81	5.89	253	y	30.84	R3		
8/05/20 10:00	18.0	74	4.85	263	y	32.96	R3		
8/05/20 11:00	19.9	68	5.76	265	y	38.18	R3		
8/05/20 12:00	21.3	59	5.71	266	y	38.90	R3		
8/05/20 13:00	22.5	45	7.11	273	y	46.04	R3		
8/05/20 14:00	23.1	40	6.98	281	y	37.79	R3		
8/05/20 15:00	23.4	37	5.84	286	y	36.75	R3		

Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
8/05/20 16:00	24.4	38	6.47	267	y	34.72	R3		
8/05/20 17:00	24.3	37	5.58	255	y	32.98	R3		
8/05/20 18:00	23.8	36	5.11	243	y	34.02	R3		
8/05/20 19:00	23.4	35	5.40	248	y	29.39	R3		
8/05/20 20:00	22.8	39	4.57	250	y	25.96	R3		
8/05/20 21:00	22.1	40	4.05	253		26.88	R3		
8/05/20 22:00	21.4	49	3.95	260		28.45	R3		
8/05/20 23:00	19.6	57	2.99	277		30.03	R3		
8/06/20 0:00	18.4	59	3.00	287		33.60	R3		
8/06/20 1:00	17.5	64	2.60	316		34.41	R3		
8/06/20 2:00	17.5	66	1.26	352		36.05	R3		
8/06/20 3:00	16.2	76	1.28	303		37.01	R3		
8/06/20 4:00	15.0	82	1.53	235		36.77	R3		
8/06/20 5:00	14.0	80	1.36	198		36.04	R3		
8/06/20 6:00	14.5	84	2.44	323		33.95	R3		
8/06/20 7:00	15.2	86	1.86	325		35.49	R3		
8/06/20 8:00	16.1	84	2.27	326		33.35	R3		
8/06/20 9:00	17.0	77	2.64	327		34.07	R3		
8/06/20 10:00	18.2	87	3.88	44		33.20	R3		
8/09/20 17:00	22.2	44	6.65	113	y	62.06	R5		
8/09/20 18:00	22.5	41	7.11	114	y	39.68	R5		
8/09/20 19:00	22.2	44	6.23	116	y	37.86	R5		
8/09/20 20:00	21.2	47	6.23	137	y	32.75	R5		
8/09/20 21:00	19.7	53	5.70	142	y	30.79	R5		
8/09/20 22:00	18.4	57	5.30	146	y	28.54	R5		
8/09/20 23:00	17.4	57	5.33	128	y	30.24	R5		
8/10/20 0:00	16.7	65	4.35	116	y	32.32	R5		
8/10/20 1:00	15.6	64	4.11	115		31.56	R5		
8/10/20 14:00	18.8	55	4.21	71	y	34.38	R5		
8/10/20 15:00	20.0	48	3.89	51		41.46	R5		
8/10/20 16:00	21.0	43	5.68	55	y	44.21	R5		
8/10/20 17:00	21.5	29	6.22	54	y	42.05	R5		
8/10/20 18:00	21.7	25	6.45	61	y	38.94	R5		
8/10/20 19:00	21.5	30	5.76	69	y	36.57	R5		
8/10/20 20:00	21.2	34	5.18	75	y	35.95	R5		
8/10/20 21:00	20.6	34	6.05	55	y	31.27	R5		
8/10/20 22:00	19.9	37	5.67	43	y	34.38	R5		
8/10/20 23:00	19.0	41	6.71	34	y	32.46	R5		

Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
8/11/20 0:00	17.6	53	5.42	27	y	33.60	R5		
8/11/20 1:00	15.6	52	5.39	18	y	38.27	R5		
8/11/20 2:00	14.0	59	5.56	14	y	42.31	R5		
8/11/20 3:00	13.5	64	5.89	22	y	42.35	R5		
8/11/20 4:00	12.3	70	5.02	14	y	43.59	R5		
8/11/20 5:00	11.9	73	5.67	15	y	44.03	R5		
8/11/20 6:00	11.6	71	5.16	16	y	42.85	R5		
8/11/20 7:00	11.8	63	3.83	12		38.78	R5		
8/11/20 8:00	12.7	59	3.62	18		39.43	R5		
8/11/20 9:00	13.8	49	4.10	16		36.05	R5		
8/11/20 10:00	14.8	47	4.49	13	y	36.34	R5		
8/14/20 14:00	12.8	99	5.69	142	y	41.54	R2		
8/14/20 15:00	13.0	97	5.47	126	y	29.93	R2		
8/14/20 16:00	13.2	97	4.45	124	y	29.09	R2		
8/14/20 17:00	13.7	93	4.35	127	y	28.04	R2		
8/14/20 18:00	13.9	93	4.02	129	y	27.29	R2		
8/14/20 19:00	13.8	92	4.17	116	y	28.56	R2		
8/14/20 20:00	13.8	95	4.18	114	y	31.48	R2		
8/14/20 21:00	13.1	100	5.01	106	y	32.92	R2		
8/14/20 22:00	12.9	100	5.53	100	y	35.39	R2		
8/14/20 23:00	13.0	100	6.26	114	y	36.22	R2		
8/15/20 0:00	13.0	100	5.69	107	y	34.93	R2		
8/15/20 1:00	13.0	100	5.41	110	y	34.45	R2		
8/15/20 2:00	12.9	100	5.91	120	y	32.78	R2		
8/15/20 3:00	12.8	100	5.36	122	y	32.46	R2		
8/15/20 4:00	12.7	100	5.42	119	y	33.28	R2		
8/15/20 5:00	12.6	100	4.86	118	y	30.82	R2		
8/15/20 6:00	12.6	100	4.87	115	y	30.42	R2		
8/15/20 7:00	12.4	100	4.31	114	y	33.33	R2		
8/15/20 8:00	12.4	100	4.57	114	y	32.96	R2		
8/15/20 9:00	12.2	100	5.73	113	y	31.00	R2		
8/15/20 10:00	11.9	100	4.73	110	y	29.22	R2		
8/15/20 11:00	12.0	100	4.55	119	y	29.84	R2		
8/15/20 12:00	12.9	100	4.43	126	y	24.88	R2		
8/15/20 13:00	13.9	96	3.41	117	y	23.36	R2		
8/15/20 14:00	15.1	85	3.20	91		22.68	R2		
8/15/20 16:00	17.9	68	2.17	74		21.06	R2		
8/15/20 17:00	18.0	65	3.22	36		22.91	R2		

Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
8/15/20 18:00	18.3	66	3.42	48		25.48	R2		
8/15/20 19:00	18.4	63	3.86	19		26.55	R2		
8/15/20 20:00	16.9	81	5.89	339	y	38.61	R2		
8/15/20 21:00	14.5	95	8.59	347	y	47.69	R2		
8/15/20 22:00	12.9	98	9.18	348	y	49.00	R2		
8/15/20 23:00	12.2	98	9.25	350	y	49.76	R2		
8/16/20 0:00	11.4	95	9.71	345	y	50.56	R2		
8/16/20 1:00	10.9	94	9.49	344	y	48.95	R2		
8/16/20 2:00	10.6	91	9.35	336	y	49.03	R2		
8/16/20 3:00	9.8	98	9.77	331	y	50.56	R2		
8/16/20 4:00	9.1	94	9.33	332	y	50.12	R2		
8/16/20 5:00	8.7	94	8.55	333	y	47.04	R2		
8/16/20 6:00	8.5	97	8.71	329	y	46.61	R2		
8/16/20 7:00	8.7	99	8.12	330	y	48.90	R2		
8/16/20 8:00	9.0	100	8.67	332	y	48.81	R2		
8/16/20 9:00	9.6	100	8.91	331	y	49.63	R2		
8/16/20 10:00	9.4	100	9.87	329	y	51.59	R2		
8/16/20 11:00	9.3	100	10.77	329	y	56.49	R2		
8/17/20 11:00	6.4	84	5.39	321	y	43.59	R4		
8/17/20 12:00	7.3	79	5.57	321	y	38.79	R4		
8/17/20 13:00	8.4	74	5.71	327	y	39.97	R4		
8/17/20 14:00	9.0	65	6.23	321	y	41.00	R4		
8/17/20 15:00	9.1	70	6.69	321	y	42.21	R4		
8/17/20 16:00	9.8	59	6.46	321	y	46.26	R4		
8/17/20 17:00	10.3	66	8.19	320	y	45.90	R4		
8/17/20 18:00	10.3	58	8.20	323	y	50.40	R4		
8/17/20 19:00	10.4	60	8.87	327	y	46.93	R4		
8/17/20 20:00	9.9	62	8.69	321	y	44.69	R4		
8/17/20 21:00	8.5	70	7.87	336	y	47.63	R4		
8/17/20 22:00	6.3	76	8.24	329	y	46.59	R4		
8/17/20 23:00	5.0	82	7.79	340	y	45.69	R4		
8/18/20 0:00	4.7	82	7.50	328	y	44.43	R4		
8/18/20 1:00	4.4	78	7.26	330	y	43.34	R4		
8/18/20 2:00	4.4	80	7.39	332	y	42.73	R4		
8/18/20 3:00	3.9	89	6.50	339	y	39.53	R4		
8/18/20 4:00	4.1	82	6.57	332	y	40.92	R4		
8/18/20 5:00	4.6	81	7.41	317	y	44.15	R4		
8/18/20 6:00	4.7	85	7.87	314	y	44.02	R4		

Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
8/18/20 7:00	4.8	84	7.49	327	y	41.74	R4		
8/18/20 8:00	5.2	78	6.85	332	y	40.03	R4		
8/18/20 9:00	6.0	76	3.87	340		41.01	R4		
8/18/20 10:00	6.3	72	6.24	336	y	37.19	R4		
8/18/20 11:00	6.8	68	5.43	337	y	35.27	R4		
8/18/20 12:00	7.7	57	4.66	323	y	33.67	R4		
8/18/20 13:00	8.9	55	3.77	298		28.91	R4		
8/18/20 14:00	9.1	49	3.69	312		32.01	R4		
8/18/20 15:00	9.4	54	4.21	284	y	35.04	R4		
8/18/20 16:00	9.3	53	4.16	286		26.09	R4		
8/18/20 17:00	9.9	51	3.38	265		27.50	R4		
8/18/20 18:00	10.6	48	3.20	270		26.01	R4		
8/18/20 19:00	10.5	54	3.31	247		29.89	R4		
8/18/20 20:00	9.9	64	3.43	260		26.41	R4		
8/18/20 21:00	9.6	66	2.96	229		30.41	R4		
8/18/20 22:00	9.2	82	2.65	251		28.09	R4		
8/18/20 23:00	8.5	82	2.99	244		31.97	R4		
8/19/20 0:00	7.9	90	3.64	259		33.09	R4		
8/19/20 1:00	7.4	89	3.13	319		33.88	R4		
8/19/20 2:00	7.6	86	3.04	20		34.11	R4		
8/19/20 3:00	7.3	90	4.13	16		34.03	R4		
8/19/20 4:00	6.7	87	4.43	26	y	33.29	R4		
8/19/20 5:00	6.2	86	4.44	22	y	30.96	R4		
8/19/20 6:00	5.7	89	2.83	37		29.83	R4		
8/19/20 7:00	5.5	88	2.98	35		31.54	R4		
8/19/20 8:00	5.8	85	2.78	56		30.45	R4		
8/19/20 9:00	6.1	82	3.26	73		27.86	R4		
8/19/20 10:00	6.5	78	3.49	95		27.93	R4		
8/19/20 11:00	7.3	76	3.03	98		29.85	R4		
8/19/20 12:00	7.9	69	2.52	118		35.18	R4		
8/19/20 13:00	8.5	64	3.48	145		30.08	R4		
8/19/20 14:00	9.1	64	3.58	138		30.51	R4		
8/19/20 15:00	9.4	63	4.05	127		31.10	R4		
8/19/20 16:00	10.3	61	3.85	156		32.49	R4		
8/19/20 17:00	10.5	60	4.00	127		31.82	R4		
8/19/20 18:00	11.8	48	4.84	182	y	32.30	R4		
8/19/20 19:00	12.1	54	3.92	240		27.42	R4		
8/19/20 20:00	11.8	54	2.48	248		26.02	R4		
8/19/20 21:00	11.7	57	1.30	155		31.97	R4		

Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
8/19/20 22:00	11.3	71	4.44	163	y	30.07	R4		
8/19/20 23:00	10.6	72	4.91	154	y	37.80	R4		
8/20/20 0:00	10.8	69	6.43	162	y	37.47	R4		
8/20/20 1:00	10.7	72	6.68	157	y	42.20	R4		
8/20/20 2:00	10.7	80	8.22	164	y	43.04	R4		
8/20/20 3:00	10.0	92	7.76	160	y	48.27	R4		
8/20/20 4:00	9.8	100	8.82	157	y	55.36	R4		
8/20/20 5:00	9.6	100	10.69	162	y	55.00	R4		
8/20/20 6:00	9.2	100	10.94	168	y	55.27	R4		
8/20/20 7:00	9.0	100	11.78	169	y	55.38	R4		
8/20/20 8:00	9.1	100	11.55	170	y	54.80	R4		
8/20/20 9:00	9.1	100	10.96	173	y	50.16	R4		
8/20/20 10:00	9.0	100	9.54	172	y	49.50	R4		
8/20/20 11:00	9.1	100	9.57	174	y	49.44	R4		
8/20/20 12:00	8.9	100	9.49	162	y	49.33	R4		
8/20/20 13:00	8.9	100	9.60	160	y	45.48	R4		
8/20/20 14:00	9.7	99	8.20	167	y	38.69	R4		
8/20/20 15:00	10.4	97	5.82	170	y	52.10	R4		
8/21/20 16:00	6.6	66	8.08	339	y			50.51	R6
8/21/20 17:00	6.9	66	7.81	343	y			46.22	R6
8/21/20 18:00	6.4	65	8.10	344	y			42.91	R6
8/21/20 19:00	6.3	67	7.46	346	y			42.63	R6
8/21/20 20:00	6.1	67	7.00	351	y			33.57	R6
8/21/20 21:00	5.6	74	6.66	352	y			35.64	R6
8/21/20 22:00	5.0	80	5.34	360	y			28.25	R6
8/21/20 23:00	4.3	84	5.21	353	y			37.17	R6
8/22/20 0:00	4.3	76	5.09	345	y			35.40	R6
8/22/20 1:00	4.4	83	5.85	344	y			33.62	R6
8/22/20 2:00	4.2	82	5.81	347	y			35.24	R6
8/22/20 3:00	4.1	85	5.81	336	y			36.98	R6
8/22/20 4:00	4.1	85	5.84	335	y			37.36	R6
8/22/20 5:00	4.1	88	5.70	342	y			35.83	R6
8/22/20 6:00	4.0	87	5.95	352	y			37.57	R6
8/22/20 7:00	4.0	82	6.27	351	y			39.65	R6
8/22/20 8:00	4.0	91	5.34	357	y			40.83	R6
8/22/20 9:00	4.6	78	6.44	349	y			39.65	R6
8/22/20 10:00	4.6	73	6.91	345	y			35.79	R6
8/22/20 11:00	5.3	73	4.88	356	y			35.06	R6

Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
8/22/20 12:00	6.1	69	4.73	349	y			34.03	R6
8/22/20 13:00	6.8	67	5.13	341	y			38.20	R6
8/22/20 14:00	7.5	63	5.66	334	y			37.67	R6
8/22/20 15:00	8.4	59	5.85	336	y	44.54	R3	38.41	R6
8/22/20 16:00	9.0	57	5.52	336	y	36.82	R3	34.64	R6
8/22/20 17:00	9.6	56	5.08	336	y	34.09	R3	34.49	R6
8/22/20 18:00	10.1	54	4.42	342	y	31.82	R3	27.81	R6
8/22/20 19:00	10.5	53	3.91	334		26.16	R3	21.03	R6
8/22/20 20:00	10.4	55	2.73	354		21.19	R3	22.21	R6
8/22/20 21:00	10.1	62	1.03	11		25.31	R3	22.64	R6
8/22/20 22:00	8.8	74	1.07	150		28.46	R3	30.73	R6
8/22/20 23:00	8.0	76	1.77	173		30.22	R3	33.89	R6
8/23/20 0:00	7.3	83	2.47	184		35.43	R3	33.38	R6
8/23/20 1:00	7.6	79	4.06	208		35.25	R3	34.32	R6
8/23/20 2:00	7.0	82	4.30	221	y	38.42	R3	35.28	R6
8/23/20 3:00	6.7	85	3.89	212		39.95	R3	35.83	R6
8/23/20 4:00	7.0	81	4.58	232	y	40.73	R3	34.97	R6
8/23/20 5:00	7.1	83	5.71	252	y	38.43	R3	33.79	R6
8/23/20 6:00	7.1	82	6.27	255	y	36.83	R3	36.90	R6
8/23/20 7:00	7.3	82	6.15	262	y	39.75	R3	36.66	R6
8/23/20 8:00	7.6	77	5.84	266	y	36.94	R3	39.20	R6
8/23/20 9:00	8.4	73	5.43	278	y	35.51	R3	40.19	R6
8/23/20 10:00	9.2	71	5.62	282	y	34.41	R3	31.99	R6
8/23/20 11:00	9.6	71	5.81	291	y	29.73	R3	31.50	R6
8/23/20 12:00	10.0	70	4.98	288	y	27.19	R3	32.38	R6
8/23/20 13:00	10.8	67	4.50	277	y	26.49	R3	30.68	R6
8/23/20 14:00	11.8	64	4.35	291	y	26.74	R3	27.29	R6
8/23/20 15:00	12.9	60	4.14	304		25.23	R3	24.77	R6
8/23/20 16:00	13.4	59	4.24	321	y	28.31	R3	34.95	R6
8/23/20 17:00	13.6	68	3.84	340		28.38	R3	30.31	R6
8/23/20 18:00	12.5	75	4.04	2		28.43	R3	21.82	R6
8/23/20 19:00	12.5	75	4.06	351		24.35	R3	23.03	R6
8/23/20 20:00	12.3	79	3.28	6		25.65	R3	20.58	R6
8/23/20 21:00	11.4	79	2.81	355		24.04	R3	19.86	R6
8/23/20 22:00	10.5	84	3.19	1		29.75	R3	17.36	R6
8/23/20 23:00	9.4	86	2.75	9		20.52	R3	18.47	R6
8/24/20 0:00	9.1	83	3.17	24		20.69	R3	19.70	R6
8/24/20 1:00	8.4	88	3.82	49		19.18	R3	18.66	R6
8/24/20 2:00	7.6	84	3.98	73		19.54	R3	19.63	R6

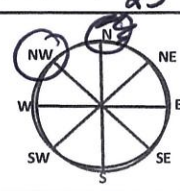
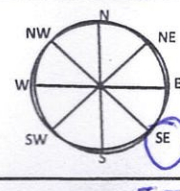
Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
8/24/20 3:00	7.2	84	3.62	63		20.47	R3	18.15	R6
8/24/20 4:00	6.9	87	3.83	59		36.11	R3	19.38	R6
8/24/20 5:00	6.6	85	4.00	57		32.31	R3	20.60	R6
8/24/20 6:00	6.1	88	2.08	45		26.95	R3	18.58	R6
8/24/20 7:00	5.8	83	1.27	63		26.63	R3	21.70	R6
8/24/20 8:00	6.6	78	1.67	75		18.74	R3	19.43	R6
8/24/20 9:00	7.6	74	1.77	75		19.61	R3	22.41	R6
8/24/20 10:00	9.0	65	1.20	95		22.36	R3	22.12	R6
8/24/20 11:00	10.0	59	1.26	118		19.20	R3	26.45	R6
8/24/20 12:00	10.4	59	1.70	211		22.79	R3	26.52	R6
8/24/20 13:00	11.1	48	2.03	203		52.29	R3	25.64	R6
8/24/20 14:00	11.8	48	1.83	251		21.14	R3	23.80	R6
8/24/20 15:00	12.4	44	2.07	175		21.49	R3	25.85	R6
8/24/20 16:00	13.4	40	1.72	228		23.40	R3	21.91	R6
8/24/20 17:00	14.1	43	2.53	298		25.97	R3	28.49	R6
8/24/20 18:00	14.4	44	3.05	266		21.54	R3	20.19	R6
8/24/20 19:00	14.7	48	2.37	269		27.20	R3	24.96	R6
8/24/20 20:00	14.5	54	1.89	258		32.72	R3	32.91	R6
8/24/20 21:00	12.8	68	2.35	217		30.41	R3	32.14	R6
8/24/20 22:00	11.2	78	2.22	188		32.31	R3	36.62	R6
8/24/20 23:00	10.1	79	3.08	183		34.79	R3	39.87	R6
8/25/20 0:00	9.5	87	3.77	186		32.81	R3	37.55	R6
8/25/20 1:00	8.6	87	2.82	179		35.78	R3	36.27	R6
8/25/20 2:00	8.5	87	2.70	179		36.81	R3	38.21	R6
8/25/20 3:00	8.2	89	2.80	190		37.53	R3	38.30	R6
8/25/20 4:00	8.4	85	3.43	201		39.65	R3	33.23	R6
8/25/20 5:00	7.9	90	2.69	190		36.40	R3	34.01	R6
8/25/20 6:00	7.6	92	2.49	202	y	34.17	R3	34.55	R6
8/25/20 7:00	7.6	86	2.59	188		37.19	R3	35.59	R6
8/25/20 8:00	8.0	83	2.17	143		40.58	R3	47.77	R6
8/25/20 9:00	8.7	79	3.46	186		35.38	R3	30.99	R6
8/25/20 10:00	10.4	69	2.91	188		31.23	R3	81.93	R6
8/25/20 11:00	11.8	63	5.08	200	y	84.64	R3		
8/25/20 17:00	16.1	40	6.82	207	y	46.75	R5		
8/25/20 18:00	16.0	41	6.75	206	y	41.58	R5		
8/25/20 19:00	15.6	45	6.37	209	y	36.02	R5		
8/25/20 20:00	15.2	47	6.18	197	y	31.85	R5		
8/25/20 21:00	13.9	59	5.45	187	y	27.38	R5		

Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
8/25/20 22:00	12.1	68	4.69	187	y	29.33	R5		
8/25/20 23:00	11.0	71	3.88	197		36.02	R5		
8/26/20 0:00	10.2	76	4.05	194		35.17	R5		
8/26/20 1:00	9.6	78	4.31	191	y	33.88	R5		
8/26/20 2:00	9.3	81	4.49	193	y	31.09	R5		
8/26/20 3:00	8.3	83	4.65	189	y	32.74	R5		
8/26/20 4:00	8.1	85	4.74	190	y	37.38	R5		
8/26/20 5:00	8.3	88	4.59	181	y	34.80	R5		
8/26/20 6:00	8.0	87	4.58	177	y	34.10	R5		
8/26/20 7:00	7.9	86	3.91	185		33.23	R5		
8/26/20 8:00	8.9	81	4.24	184	y	39.89	R5		
8/26/20 9:00	10.2	75	5.67	183	y	41.54	R5		
8/26/20 10:00	11.2	72	5.97	180	y	46.39	R5		
8/26/20 11:00	12.3	64	6.66	173	y	50.69	R5		
8/26/20 12:00	13.3	58	7.56	176	y	56.42	R5		
8/26/20 13:00	13.9	48	9.04	173	y	56.87	R5		
8/26/20 14:00	14.1	50	8.97	173	y	56.91	R5		
8/26/20 15:00	14.3	48	8.48	168	y	53.35	R5		
8/26/20 16:00	13.7	45	8.09	170	y	48.50	R5		
8/26/20 17:00	13.5	57	7.38	169	y	49.26	R5		
8/26/20 18:00	12.9	59	7.42	165	y	49.87	R5		
8/26/20 19:00	13.0	54	7.41	166	y	41.83	R5		
8/26/20 20:00	13.0	60	6.75	162	y	33.94	R5		
8/26/20 21:00	11.9	63	5.99	159	y	31.11	R5		
8/26/20 22:00	10.9	74	5.49	163	y	30.09	R5		
8/26/20 23:00	10.0	79	5.37	168	y	36.29	R5		
8/27/20 0:00	9.1	84	5.30	169	y	36.50	R5		
8/27/20 1:00	8.6	86	5.51	163	y	39.44	R5		
8/27/20 2:00	8.3	88	5.93	161	y	34.41	R5		
8/27/20 3:00	7.9	89	5.73	157	y	35.96	R5		
8/27/20 4:00	7.8	93	5.66	153	y	44.54	R5		
8/27/20 5:00	7.6	97	6.37	156	y	47.29	R5		
8/27/20 6:00	7.9	99	7.59	169	y	43.73	R5		
8/27/20 7:00	8.5	97	6.82	170	y	37.45	R5		
8/27/20 8:00	8.7	94	5.82	176	y	38.48	R5		
8/27/20 9:00	9.1	87	5.84	181	y	42.33	R5		
8/27/20 10:00	9.4	85	6.32	175	y	46.54	R5		
8/27/20 11:00	9.7	74	6.57	171	y	50.01	R5		
8/27/20 12:00	9.8	76	6.87	170	y	48.26	R5		

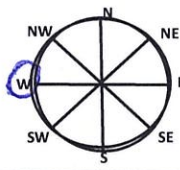
Date and Time	Avg. Air Temp. (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (m/s)	Avg. Wind Dir. (°)	F.O.	L _{eq} 1 h (dBA)	Station	L _{eq} 1 h (dBA)	Station
8/27/20 13:00	9.8	76	6.69	162	y	52.71	R5		
8/27/20 14:00	10.3	73	7.89	175	y	47.94	R5		
8/27/20 15:00	10.1	71	6.99	176	y	50.55	R5		
8/27/20 16:00	10.3	82	7.23	173	y	47.32	R5		
8/27/20 17:00	9.9	73	6.90	172	y	48.25	R5		
8/27/20 18:00	10.2	82	7.04	171	y	40.46	R5		
8/27/20 19:00	10.1	68	6.57	154	y	42.61	R5		
8/27/20 20:00	10.2	67	7.24	150	y	41.14	R5		
8/27/20 21:00	10.1	70	6.75	149	y	42.60	R5		
8/27/20 22:00	9.6	83	6.65	152	y	40.22	R5		
8/27/20 23:00	8.9	89	6.58	160	y	37.21	R5		
8/28/20 0:00	8.4	91	6.17	158	y	34.09	R5		
8/28/20 1:00	8.4	91	5.29	155	y	43.20	R5		
8/28/20 2:00	8.4	94	6.31	162	y	46.64	R5		
8/28/20 3:00	8.4	95	6.69	168	y	50.53	R5		
8/28/20 4:00	8.2	96	7.25	165	y	48.47	R5		
8/28/20 5:00	8.0	96	7.01	164	y	48.65	R5		
8/28/20 6:00	8.2	97	7.53	170	y	50.47	R5		
8/28/20 7:00	8.1	97	7.90	170	y	54.58	R5		
8/28/20 8:00	8.1	96	8.27	171	y	54.77	R5		
8/28/20 9:00	8.3	92	8.66	171	y	55.53	R5		
8/28/20 10:00	8.3	90	8.65	171	y	54.33	R5		
8/28/20 11:00	8.4	91	8.93	176	y	55.26	R5		
8/28/20 12:00	8.5	88	9.09	180	y	55.30	R5		
8/28/20 13:00	8.5	88	9.46	181	y	50.45	R5		
8/28/20 14:00	8.7	93	8.65	184	y	50.09	R5		
8/28/20 15:00	8.8	88	8.10	184	y	50.48	R5		
8/28/20 16:00	8.7	95	7.79	183	y	51.82	R5		

APPENDIX C

Field Logs

MONITORING STARTS			
Operator: <u>Isabelle Couture, Rowan Woodall, Eric Hakey</u>		Location: <u>R1 (EMR)</u>	
Date: <u>2020-07-10</u>		Noise Meter Start Time: <u>14:10</u>	
Calibration complete?: <u>Yes</u>		Sensitivity: <u>52.66 mV/Pa</u>	
Deviation: <u>0.05 dB</u>		Time of Calibration: <u>11:45</u>	
Battery Power Check: <u>Yes</u>		Check available disk memory (Y/N) <u>(Y/N)</u>	
Photographs of Setup <u>(Y/N)</u>		Photographs of Surrounding <u>(Y/N)</u>	
Cloud cover: cloudy <u>partly cloudy</u> sunny			
Height of cloud (feet): 0-10,000 <u>10,000-25,000</u> 25,000 +			
Air Temperature (C): <u>14.5°C</u>		Wind Speed (km/hr): <u>23</u>	
Wind Direction: North wind (wind blows from North)	<u>AVG: 18.2</u> <u>MAX: 28.2</u> 		
Barometric Pressure (kPa):		Relative Humidity (%) <u>35.7</u>	
Precipitation: <u>none</u> drizzle rain			
GENERAL SITE DESCRIPTION			
GPS Location	Latitude	Longitude	Altitude
	<u>14W 0636150</u>	<u>721733</u>	
Type of Ground Surface: Acoustic Environment: Traffic <u>AWAR traffic</u> Human activities <u>EMR activities</u> Animal <u>Plane, helicopter.</u> Other noise sources			
MONITORING ENDS			
Operator: <u>Isabelle Couture</u>		Total Monitoring Period <u>66h 54 minutes 43 seconds</u>	
Date: <u>2020-07-13</u>		Noise Meter End Time: <u>9:02</u>	
Calibration complete?: <u>Yes</u>		Sensitivity: <u>52.68 mV/Pa</u>	
Deviation <u>0.00 dB</u>		Time of Calibration: <u>9:30</u>	
Cloud cover: cloudy partly cloudy <u>sunny</u>			
Height of cloud (feet): 0-10,000 10,000-25,000 <u>25,000 +</u>			
Air Temperature (C): <u>13.8°C</u>		Wind Speed (km/hr): <u>18 km/hr</u>	
Wind Direction: North wind (wind blows from North)	<u>Max 18 km/hr</u> <u>Avg 8.0</u> 		
Barometric Pressure (kPa):		Relative Humidity (%) <u>55.2</u>	
Precipitation: <u>none</u> drizzle rain			
Comments:			

MONITORING STARTS

Operator: LA/PDT	Location: R1
Date: 2020-07-31	Noise Meter Start Time: 14:15
Calibration complete?: Y	Sensitivity: 52.74
Deviation: 0.03	Time of Calibration: 13:50
Battery Power Check: Y	Check available disk memory (Y/N) New card
Photographs of Setup (Y/N) Y	Photographs of Surrounding (Y/N) Y
Cloud cover: cloudy	partly cloudy
Height of cloud (feet): 0-10,000	10,000-25,000
Air Temperature (C): 12	Wind Speed (km/hr): 20
Wind Direction:	
Barometric Pressure (kPa): 101.7	Relative Humidity (%): 62
Precipitation: none	drizzle

GENERAL SITE DESCRIPTION

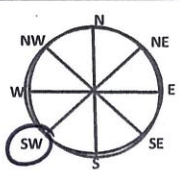
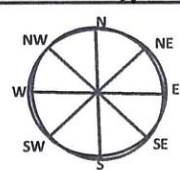
GPS Location	Latitude	Longitude	Altitude
	65.051689°	-96.106396°	180m
Type of Ground Surface:			
Acoustic Environment:			
☒ Traffic ☒ Human activities ☒ Animal ☒ Other noise sources	chopper/plane, lake		

MONITORING ENDS

Operator: LA/PDT	Total Monitoring Period
Date: 2020-08-02	Noise Meter End Time: 14:00
Calibration complete?: Y	Sensitivity: 52.25
Deviation: -0.08	Time of Calibration: 16:16
Cloud cover: 0.08 cloudy	Sun go through cloud
Height of cloud (feet): 0-10,000	10,000-25,000
Air Temperature (C): 25	Wind Speed (km/hr): 25
Wind Direction:	
Barometric Pressure (kPa): 102	Relative Humidity (%): 46.4
Precipitation: none	drizzle

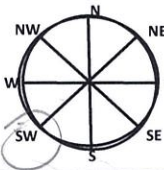
Comments:

Calibration failed multiple times before working

MONITORING STARTS			
Operator: <u>Isabelle Couture, Katelyn Proulx</u>		Location: <u>R2</u>	
Date: <u>2020-06-30</u>		Noise Meter Start Time: <u>11:55</u>	
Calibration complete?: <u>Yes</u>		Sensitivity: <u>51.61</u>	
Deviation: <u>0.00 dB</u>		Time of Calibration: <u>10h00</u>	
Battery Power Check: <u>Yes</u>		Check available disk memory: ☒ Y ☐ N	
Photographs of Setup ☒ Y ☐ N <u>In the file</u>		Photographs of Surrounding: ☒ Y ☐ N	
Cloud cover:		cloudy	partly cloudy <u>sunny</u>
Height of cloud (feet):		0-10,000	10,000-25,000 <u>25,000 +</u>
Air Temperature (C): <u>18.8°C</u>		Wind Speed (km/hr): <u>max 6.0 / AVG 5.0</u>	
Wind Direction: <u>SW</u>			
North wind (wind blows from North)			
Barometric Pressure (kPa): <u>Ø</u>		Relative Humidity (%): <u>41.42</u>	
Precipitation:		<u>none</u>	drizzle rain
GENERAL SITE DESCRIPTION			
GPS Location	Latitude	Longitude	Altitude
	<u>14W 0636787 7214438</u>		
Type of Ground Surface: <u>Tundra</u>			
Acoustic Environment:			
☒ Traffic ☒ Human activities ☐ Animal ☐ Other noise sources			
<u>Mosquitoes</u>			
MONITORING ENDS			
Operator: <u>Isabelle Couture, Virginie Durand</u>		Total Monitoring Period: <u>≈ 52 Hours</u>	
Date: <u>2020-07-02</u>		Noise Meter End Time: <u>16:05</u>	
Calibration complete?: <u>Yes</u>		Sensitivity: <u>51.41</u>	
Deviation: <u>- 0.03 dB</u>		Time of Calibration: <u>16:55</u>	
Cloud cover:		cloudy	partly cloudy <u>sunny</u>
Height of cloud (feet):		0-10,000	10,000-25,000 <u>25,000 +</u>
Air Temperature (C): <u>25.5°C</u>		Wind Speed (km/hr): <u>11.7 Km/h</u>	
Wind Direction:			
North wind (wind blows from North)			
Barometric Pressure (kPa): <u>102.64</u>		Relative Humidity (%): <u>35.4</u>	
Precipitation:		<u>none</u>	drizzle rain
<u>30.31 Inches of mercury</u>			
Comments:			

MONITORING STARTS			
Operator: N. Saucier		Location: R2	
Date: 2020-08-14		Noise Meter Start Time: 14:45	
Calibration complete?: Yes 52.81 mV/Pa		Sensitivity: 52.81	
Deviation: 0.04		Time of Calibration: 14:22	
Battery Power Check: ✓		Check available disk memory (Y/N) Y	
Photographs of Setup (Y/N) Y		Photographs of Surrounding (Y/N) Y	
Cloud cover: cloudy partly cloudy sunny			
Height of cloud (feet): 0-10,000 10,000-25,000 25,000 +			
Air Temperature (C): 13.1		Wind Speed (km/hr): 14.5	
Wind Direction:			
Barometric Pressure (kPa): 98.1		Relative Humidity (%): 88.2	
Precipitation: none drizzle rain			
GENERAL SITE DESCRIPTION			
GPS Location	Latitude	Longitude	Altitude
Type of Ground Surface: Acoustic Environment: Traffic Human activities Animal Other noise sources Lake → waves			
MONITORING ENDS			
Operator: NS / P. DT		Total Monitoring Period 43,92h	
Date: 2020-06-16		Noise Meter End Time: 10:13	
Calibration complete?: Y		Sensitivity: 52.55	
Deviation -0.4 dB		Time of Calibration: 16:16	
Cloud cover: cloudy partly cloudy sunny			
Height of cloud (feet): 0-10,000 10,000-25,000 25,000 +			
Air Temperature (C): 90°C		Wind Speed (km/hr): 22.8	
Wind Direction:			
Barometric Pressure (kPa): 97.9		Relative Humidity (%): 95.2	
Precipitation: none drizzle rain			
Comments:			

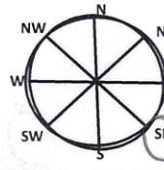
MONITORING STARTS

Operator: LA/ND/TT	Location: R3
Date: 2020-08-04	Noise Meter Start Time: 15:47
Calibration complete?: Y	Sensitivity: 52.35
Deviation: 0.02	Time of Calibration: 15:31
Battery Power Check: Y	Check available disk memory (Y/N) New card
Photographs of Setup (Y/N) Y	Photographs of Surrounding (Y/N) Y
Cloud cover: cloudy	partly cloudy
Height of cloud (feet): 0-10,000	10,000-25,000
Air Temperature (C): 28.4	Wind Speed (km/hr): 11.1
Wind Direction:	 Max 17.7 Avg 8.7
Barometric Pressure (kPa): 100.3	Relative Humidity (%): 50.2
Precipitation: none	drizzle

GENERAL SITE DESCRIPTION

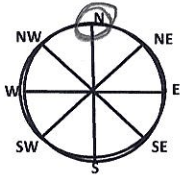
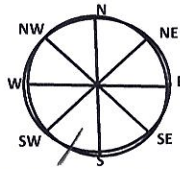
GPS Location	Latitude	Longitude	Altitude
	65.023874°	-96.003437°	140m
Type of Ground Surface:			
Acoustic Environment:			
Traffic			
Human activities			
Animal			
Other noise sources			

MONITORING ENDS

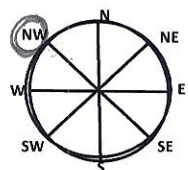
Operator: Isabelle Couture / Katelyn Proulx	Total Monitoring Period: ≈ 55 hours
Date: 2020-08-08	Noise Meter End Time: 11:25
Calibration complete?: Yes	Sensitivity: 53.21
Deviation: 0.14 dB	Time of Calibration: 14:25
Cloud cover: cloudy	partly cloudy
Height of cloud (feet): 0-10,000	10,000-25,000
Air Temperature (C): 15.6	Wind Speed (km/hr): 10.7 Km/h / 10.5 Avg
Wind Direction:	
Barometric Pressure (kPa): 98.21	Relative Humidity (%): 57.6
Precipitation: none	drizzle

Comments:

Battery dead when we retrieve it.
Recharging it, then calibrated it.

MONITORING STARTS			
Operator: N. Saucier, L. Archambault		Location: R3	
Date: 2020-08-22		Noise Meter Start Time: 15:42	
Calibration complete?: ☒		Sensitivity: 52.97	
Deviation: 0.08		Time of Calibration: 15:35	
Battery Power Check: Y		Check available disk memory (Y/N) Y	
Photographs of Setup (Y/N) Y		Photographs of Surrounding (Y/N) Y	
Cloud cover: ☒ cloudy ☐ partly cloudy ☐ sunny			
Height of cloud (feet): ☒ 0-10,000 ☐ 10,000-25,000 ☐ 25,000 +			
Air Temperature (C): 9.3		Wind Speed (km/hr): 11.1	
Wind Direction:			
Barometric Pressure (kPa): 102.3		Relative Humidity (%): 56.5	
Precipitation: ☒ none ☐ drizzle ☐ rain			
GENERAL SITE DESCRIPTION			
GPS Location	Latitude	Longitude	Altitude
	65.023874°	-96.003437°	140m
Type of Ground Surface:			
Acoustic Environment:			
☐ Traffic ☐ Human activities ☒ Animal ☐ Other noise sources			
MONITORING ENDS			
Operator: NS / CGP		Total Monitoring Period: 67:27	
Date: 2020-08-25		Noise Meter End Time: 11:07	
Calibration complete?: ☒		Sensitivity: 52.68	
Deviation: -0.05		Time of Calibration: 11:11	
Cloud cover: ☐ cloudy ☐ partly cloudy ☒ sunny			
Height of cloud (feet): ☒ 0-10,000 ☐ 10,000-25,000 ☐ 25,000 +			
Air Temperature (C): 15.6		Wind Speed (km/hr): 9.1	
Wind Direction:			
Barometric Pressure (kPa): 100.5		Relative Humidity (%): 56.2	
Precipitation: ☒ none ☐ drizzle ☐ rain			
Comments:			

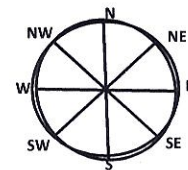
MONITORING STARTS

Operator: Nicolas.S. et Perle D-T	Location: R4
Date: 2020-08-17	Noise Meter Start Time: 11:32
Calibration complete?: Y	Sensitivity: 52.88
Deviation: 0.05 dB	Time of Calibration: 11:24
Battery Power Check: ✓	Check available disk memory (Y/N) Y
Photographs of Setup (Y/N) N	Photographs of Surrounding (Y/N) N
Cloud cover: <u>cloudy</u>	partly cloudy
Height of cloud (feet): <u>0-10,000</u>	10,000-25,000
Air Temperature (C): <u>9.9</u>	Wind Speed (km/hr): 18
Wind Direction:	
Barometric Pressure (kPa): 98.88	Relative Humidity (%): 71.6
Precipitation: <u>none</u>	drizzle

GENERAL SITE DESCRIPTION

GPS Location	Latitude	Longitude	Altitude
Type of Ground Surface: Tundra.			
Acoustic Environment:			
Traffic			
Human activities			
Animal			
Other noise sources: waves, long haul truck			

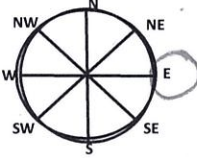
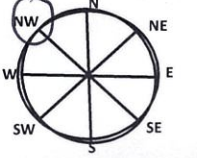
MONITORING ENDS

Operator: NS LA	Total Monitoring Period
Date: 2020-08-20	Noise Meter End Time: 15:40
Calibration complete?: Yes	Sensitivity: 52.49
Deviation: -0.06 dB	Time of Calibration: 13:50 (2020-08-21)
Cloud cover: <u>cloudy</u>	partly cloudy
Height of cloud (feet): <u>0-10,000</u>	10,000-25,000
Air Temperature (C): 9.7	Wind Speed (km/hr): 15.15
Wind Direction:	
Barometric Pressure (kPa): 98.2	Relative Humidity (%): 99.9
Precipitation: none	drizzle

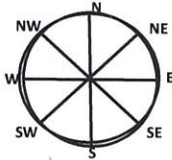
Comments:

Still recording

MONITORING STARTS			
Operator: LA/KN/PDT		Location: R4	
Date: 2020-07-27		Noise Meter Start Time: 17h22	
Calibration complete?: Y		Sensitivity: 52.25	
Deviation: -0.03		Time of Calibration: 17:03	
Battery Power Check: Y		Check available disk memory (Y/N) Y	
Photographs of Setup (Y/N)		Photographs of Surrounding (Y/N)	
Cloud cover:		cloudy	partly cloudy
Height of cloud (feet):		0-10,000	10,000-25,000
Air Temperature (C): 21°C		Wind Speed (km/hr): 9 km/hr	
Wind Direction: North wind (wind blows from North)			
Barometric Pressure (kPa): 101.4		Relative Humidity (%): 47.6	
Precipitation:		none	drizzle
GENERAL SITE DESCRIPTION			
GPS Location	Latitude	Longitude	Altitude
	65.063394°	-96.034187°	509 ft / 13 m
Type of Ground Surface: Acoustic Environment: ☒ Traffic ? (road at 1+ km from station) ☐ Human activities ☒ Animal ☒ Other noise sources lake, (helico) chopper			
MONITORING ENDS			
Operator: LA/PDT		Total Monitoring Period: 38h19m	
Date: 2020-07-30		Noise Meter End Time: 13h55	
Calibration complete?: Y		Sensitivity: 52.57	
Deviation: 0.05		Time of Calibration: 17:25	
Cloud cover:		cloudy	partly cloudy
Height of cloud (feet):		0-10,000	10,000-25,000
Air Temperature (C): 17.5		Wind Speed (km/hr): 20 km/h	
Wind Direction: North wind (wind blows from North)			
Barometric Pressure (kPa): 101.1		Relative Humidity (%): 63.3	
Precipitation:		none	drizzle
Comments: issue with the inverter, the intern battery was not working			

MONITORING STARTS			
Operator: <u>Virginie Durand, Isabelle Couture</u>		Location: <u>R5</u>	
Date: <u>2020-08-09</u>		Noise Meter Start Time: <u>17:45</u>	
Calibration complete?: <u>yes</u>		Sensitivity: <u>53.29</u>	
Deviation: <u>0.01 dB</u>		Time of Calibration: <u>14:30</u>	
Battery Power Check: <u>Y</u>		Check available disk memory (Y/N) <u>Y</u>	
Photographs of Setup (Y/N) <u>Y</u>		Photographs of Surrounding (Y/N) <u>Y</u>	
Cloud cover: <u>cloudy</u>		<u>partly cloudy</u> <u>sunny</u>	
Height of cloud (feet): <u>0-10,000</u>		<u>10,000-25,000</u> <u>25,000+</u>	
Air Temperature (C): <u>20.8 °C</u>		Wind Speed (km/hr): <u>19.5 Km/hrr</u>	
Wind Direction:	 <u>max 20.1</u> <u>AVG 15.9</u>		
Barometric Pressure (kPa): <u>98.0</u>		Relative Humidity (%): <u>52.5</u>	
Precipitation: <u>none</u> <u>drizzle</u> <u>rain</u>			
GENERAL SITE DESCRIPTION			
GPS Location	Latitude	Longitude	Altitude
	<u>14W 0633787</u>	<u>7214500</u>	
Type of Ground Surface:			
Acoustic Environment:			
☒ Traffic ☐ Human activities ☐ Animal ☐ Other noise sources			
MONITORING ENDS			
Operator: <u>Isabelle Couture, Katelyn Proulx</u>		Total Monitoring Period: <u>53 Hours</u>	
Date: <u>2020-08-12</u> <u>8:00 am</u>		Noise Meter End Time: <u>Dead batt. upon arrival</u>	
Calibration complete?: <u>yes</u>		Sensitivity: <u>53.04 mV/pa</u>	
Deviation: <u>-0.04</u>		Time of Calibration: <u>8:35</u>	
Cloud cover: <u>cloudy</u>		<u>partly cloudy</u> <u>sunny</u>	
Height of cloud (feet): <u>0-10,000</u>		<u>10,000-25,000</u> <u>25,000+</u>	
Air Temperature (C): <u>11.3 °C</u>		Wind Speed (km/hr): <u>6.7</u>	
Wind Direction:	 <u>AVG 7-2</u> <u>Max 9.7</u>		
Barometric Pressure (kPa): <u>99.2</u>		Relative Humidity (%): <u>52.0</u>	
Precipitation: <u>none</u> <u>drizzle</u> <u>rain</u>			
Comments: <u>Batteries dead upon arrival.</u>			

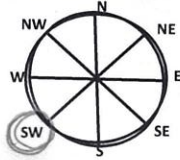
MONITORING STARTS

Operator: Laurence Archambault. Cédric G-P		Location: R5	
Date: 2020-08-25		Noise Meter Start Time: 17:15	
Calibration complete?: Yes		Sensitivity: 52,72	
Deviation: 0,01 dB		Time of Calibration: 17:09	
Battery Power Check: Checked		Check available disk memory (Y/N)	
Photographs of Setup (Y/N)		Photographs of Surrounding (Y/N)	
Cloud cover: none cloudy partly cloudy <u>sunny</u>			
Height of cloud (feet): 0-10,000 10,000-25,000 25,000 +			
Air Temperature (C): 18,3		Wind Speed (km/hr): 13,8	
Wind Direction: SW			
Barometric Pressure (kPa):		Relative Humidity (%): 37,5	
Precipitation: none drizzle rain			

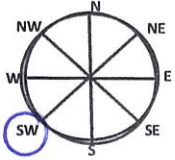
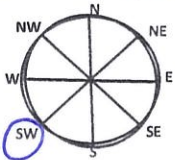
GENERAL SITE DESCRIPTION

GPS Location	Latitude	Longitude	Altitude
	65.027309°	-96.159223°	145m
Type of Ground Surface:			
Acoustic Environment:			
Traffic			
Human activities			
Animal			
Other noise sources			

MONITORING ENDS

Operator: PerleDT / Cédric G-P.		Total Monitoring Period: 70h 55 m.	
Date: 28 August 2020		Noise Meter End Time: 16:10	
Calibration complete?: Y		Sensitivity: 53.59	
Deviation: 0,14 dB		Time of Calibration: 16:45	
Cloud cover: <u>cloudy</u> partly cloudy sunny			
Height of cloud (feet): <u>0-10,000</u> 10,000-25,000 25,000 +			
Air Temperature (C): 9.7		Wind Speed (km/hr): 17.0	
Wind Direction:			
Barometric Pressure (kPa):		Relative Humidity (%): 96.9	
Precipitation: none <u>drizzle</u> rain			

Comments:

MONITORING STARTS			
Operator: <u>Isabelle Couture, Virginie Durand</u>		Location: <u>R6</u>	
Date: <u>2020-07-04</u>		Noise Meter Start Time: <u>12:40</u>	
Calibration complete?: <u>Yes</u>		Sensitivity: <u>51.58 mV/pa</u>	
Deviation: <u>0.00 dB</u>		Time of Calibration: <u>7:05</u>	
Battery Power Check: <u>Yes</u>		Check available disk memory (Y/N) <u>(Y)</u>	
Photographs of Setup <u>(Y)</u>		Photographs of Surrounding <u>(Y)</u>	
Cloud cover:		cloudy	partly cloudy <u>(sunny)</u>
Height of cloud (feet):		0-10,000	10,000-25,000 <u>(25,000 +)</u>
Air Temperature (C): <u>19.9°C</u>		Wind Speed (km/hr): <u>18.0°C</u>	
Wind Direction: North wind (wind blows from North)			
Barometric Pressure (kPa): <u>100.45</u>		Relative Humidity (%): <u>41.6</u>	
Precipitation: <u>(none)</u>		drizzle rain	
GENERAL SITE DESCRIPTION			
GPS Location	Latitude	Longitude	Altitude
	<u>14W 0640701</u>	<u>7221960</u>	
Type of Ground Surface: Acoustic Environment: <u>(Traffic)</u> Human activities Animal Other noise sources			
MONITORING ENDS			
Operator: <u>Isabelle Couture</u>		Total Monitoring Period <u>49 hours</u>	
Date: <u>2020-07-06</u>		Noise Meter End Time: <u>13:40</u>	
Calibration complete?: <u>Yes</u>		Sensitivity: <u>52.36 mV/pa</u>	
Deviation: <u>0.13 dB</u>		Time of Calibration: <u>15:00</u>	
Cloud cover:		cloudy	<u>(partly cloudy)</u> sunny
Height of cloud (feet):		0-10,000	<u>(10,000-25,000)</u> 25,000 +
Air Temperature (C): <u>21.2</u>		Wind Speed (km/hr): <u>16.4</u>	
Wind Direction: North wind (wind blows from North)	<u>WIND</u> <u>max 18.0</u> <u>AVG 10.21</u> 		
Barometric Pressure (kPa): <u>100.45 98.91</u>		Relative Humidity (%): <u>57.5</u>	
Precipitation: <u>(none)</u>		drizzle rain	
Comments: <u>Barometric data taken from eng. website (cambeng2: 8080).</u>			

MONITORING STARTS

Operator: LD-FL	Location: R6
Date: 2020-08-21	Noise Meter Start Time: 16h42
Calibration complete?: Yes	Sensitivity: 54.74
Deviation: 0.03	Time of Calibration: 16h37
Battery Power Check: Yes	Check available disk memory (Y/N)
Photographs of Setup (Y/N)	Photographs of Surrounding (Y/N)
Cloud cover: ☒ cloudy ☐ partly cloudy ☐ sunny	
Height of cloud (feet): ☒ 0-10,000 ☐ 10,000-25,000 ☐ 25,000 +	
Air Temperature (C): 8.2	Wind Speed (km/hr): 18 km
Wind Direction:	
Barometric Pressure (kPa):	Relative Humidity (%): 76.8
Precipitation: ☒ none ☐ drizzle ☐ rain	

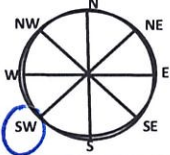
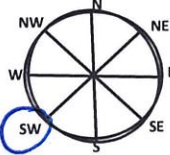
GENERAL SITE DESCRIPTION

GPS Location	Latitude	Longitude	Altitude
Type of Ground Surface:			
Acoustic Environment:			
Traffic			
Human activities			
Animal			
Other noise sources			

MONITORING ENDS

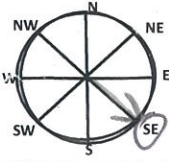
Operator: NS / CGP	Total Monitoring Period
Date: 2020-08-25	Noise Meter End Time: 10:41
Calibration complete?: Yes	Sensitivity: 52.05
Deviation: 0.05 db	Time of Calibration: 10:45
Cloud cover: ☐ cloudy ☐ partly cloudy ☒ sunny	
Height of cloud (feet): ☒ 0-10,000 ☐ 10,000-25,000 ☐ 25,000 +	
Air Temperature (C): 15.1 °C	Wind Speed (km/hr): 9.1
Wind Direction:	
Barometric Pressure (kPa):	Relative Humidity (%): 69.6
Precipitation: ☒ none ☐ drizzle ☐ rain	

Comments:

Jerémie Allard MONITORING STARTS			
Operator: Isabelle Couture, Kathleen Proulx, Robin Allard		Location: R7	
Date: 2020-07-01		Noise Meter Start Time: 11:10	
Calibration complete?: Yes		Sensitivity: 51.09 mV/Pa	
Deviation: 0.01 dB		Time of Calibration: 8:30	
Battery Power Check: Yes		Check available disk memory (Y/N)	
Photographs of Setup (Y/N)		Photographs of Surrounding (Y/N)	
Cloud cover: cloudy		partly cloudy <u>sunny</u>	
Height of cloud (feet): 0-10,000		10,000-25,000 <u>25,000 +</u>	
Air Temperature (C): 23.7°C		Wind Speed (km/hr): 11.8 max 11.8 Avg.	
Wind Direction:			
North wind (wind blows from North)			
Barometric Pressure (kPa):		Relative Humidity (%) 40.6	
Precipitation: <u>none</u> drizzle rain			
GENERAL SITE DESCRIPTION			
GPS Location	Latitude	Longitude	Altitude
	14W 0620195	72391039	
Type of Ground Surface:			
Acoustic Environment:			
☒ Traffic ☐ Human activities ☐ Animal ☐ Other noise sources			
MONITORING ENDS			
Operator: Isabelle Couture, Virginie Durand, David Berzile		Total Monitoring Period 73 hours Only 15 hours recorded	
Date: 2020-07-04		Noise Meter End Time: 13:00	
Calibration complete?: Yes		Sensitivity: 51.16 mV/Pa	
Deviation 0.01 dB		Time of Calibration:	
Cloud cover: cloudy		<u>partly cloudy</u> sunny	
Height of cloud (feet): 0-10,000		10,000-25,000 <u>25,000 +</u>	
Air Temperature (C): 17.0		Wind Speed (km/hr): 23.6	
Wind Direction:			
North wind (wind blows from North)	Wind: 25.7 max. 11.9 Avg		
Barometric Pressure (kPa): 101.59		Relative Humidity (%) 49.3	
Precipitation: <u>none</u> drizzle rain			
Comments:			

MONITORING STARTS			
Operator: ST JL		Location: R7	
Date: 2020-08-04		Noise Meter Start Time: 12:25	
Calibration complete?: YES		Sensitivity: 51.41	
Deviation: -0.02 JB		Time of Calibration: 7:18	
Battery Power Check: YES		Check available disk memory (Y/N) YES	
Photographs of Setup (Y/N) Y		Photographs of Surrounding (Y/N) YES	
Cloud cover:	cloudy	partly cloudy	sunny
Height of cloud (feet):	0-10,000	10,000-25,000	25,000 +
Air Temperature (C):	26.1	Wind Speed (km/hr):	5.6
Wind Direction:			
Barometric Pressure (kPa):	17.8	Relative Humidity (%):	56.7
Precipitation:	none	drizzle	rain
GENERAL SITE DESCRIPTION			
GPS Location	Latitude	Longitude	Altitude
14W	620194	7239038	
Type of Ground Surface:	TUNDRA		
Acoustic Environment:			
Traffic			
Human activities			
Animal			
Other noise sources			
MONITORING ENDS			
Operator: ST TP		Total Monitoring Period:	
Date: 2020-08-07		Noise Meter End Time: 14:05	
Calibration complete?: YES		Sensitivity: 51.72	
Deviation: 0.00		Time of Calibration: 14:40	
Cloud cover:	cloudy	partly cloudy	sunny
Height of cloud (feet):	0-10,000	10,000-25,000	25,000 +
Air Temperature (C):	16.1	Wind Speed (km/hr):	3
Wind Direction:			
Barometric Pressure (kPa):	7.1	Relative Humidity (%):	54.5
Precipitation:	none	drizzle	rain
Comments: EXPLORATION DRILLING CAMPAIGN ONGOING 1 KM EAST FROM STATION R7			

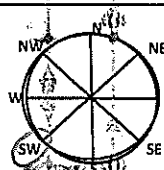
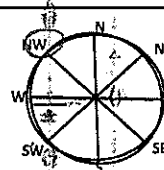
MONITORING STARTS			
Operator: LD-FL		Location: R8	
Date: 2020-07-16		Noise Meter Start Time: 8h51	
Calibration complete?: Yes		Sensitivity: 51.34	
Deviation: -0.02 dB		Time of Calibration: 8h05	
Battery Power Check: Yes		Check available disk memory (Y/N)	
Photographs of Setup (Y/N) Y		Photographs of Surrounding (Y/N) Y	
Cloud cover:		☒ cloudy ☐ partly cloudy ☐ sunny	
Height of cloud (feet):		☒ 0-10,000 ☐ 10,000-25,000 ☐ 25,000 +	
Air Temperature (C): 14.4		Wind Speed (km/hr): 21.1 km/h Ave. 12.1	
Wind Direction: 0811.3			
Barometric Pressure (kPa):		Relative Humidity (%): 87.8	
Precipitation:		☐ none ☐ drizzle ☒ rain	
GENERAL SITE DESCRIPTION			
GPS Location: zone 14mu	Latitude: 610725	Longitude: 7256077	Altitude:
Type of Ground Surface:			
Acoustic Environment:			
☐ Traffic ☐ Human activities ☐ Animal ☐ Other noise sources			
MONITORING ENDS			
Operator: FL-LD		Total Monitoring Period:	
Date: 2020-07-19		Noise Meter End Time: 11:33	
Calibration complete?: Y		Sensitivity: 51.12	
Deviation: -0.04		Time of Calibration: 11:38	
Cloud cover:		☐ cloudy ☐ partly cloudy ☒ sunny	
Height of cloud (feet):		☐ 0-10,000 ☐ 10,000-25,000 ☒ 25,000 +	
Air Temperature (C): 14.6 °C		Wind Speed (km/hr): 10.5 km/h	
Wind Direction:			
Barometric Pressure (kPa):		Relative Humidity (%): 86.2	
Precipitation:		☒ none ☐ drizzle ☐ rain	
Comments: wind & rain During monitoring period			

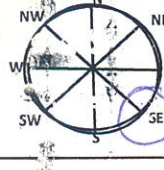
MONITORING STARTS			
Operator: ST RW		Location: K8	
Date: 2020/08/08		Noise Meter Start Time: 13:24	
Calibration complete?: YES		Sensitivity: 51.41	
Deviation: -0.0206		Time of Calibration: 7:18	
Battery Power Check: Yes		Check available disk memory (Y/N) Y	
Photographs of Setup (Y/N) Y		Photographs of Surrounding (Y/N) Y	
Cloud cover: cloudy		partly cloudy sunny	
Height of cloud (feet): 0-10,000		10,000-25,000 25,000 +	
Air Temperature (C): 19.1		Wind Speed (km/hr): 7.2	
Wind Direction:			
Barometric Pressure (kPa): 12.8		Relative Humidity (%): 67.5	
Precipitation: none drizzle rain			
GENERAL SITE DESCRIPTION			
GPS Location	Latitude	Longitude	Altitude
Type of Ground Surface: Acoustic Environment: Traffic Human activities Animal Other noise sources			
MONITORING ENDS			
Operator: RW FH		Total Monitoring Period	
Date: 2020/08/11		Noise Meter End Time: 14:45	
Calibration complete?: Y		Sensitivity: 51.57	
Deviation: -0.02		Time of Calibration: 03:20	
Cloud cover: cloudy		partly cloudy sunny	
Height of cloud (feet): 0-10,000		10,000-25,000 25,000 +	
Air Temperature (C): 19.7		Wind Speed (km/hr): 11.7	
Wind Direction:			
Barometric Pressure (kPa): 9.2		Relative Humidity (%): 49.8	
Precipitation: none drizzle rain			
Comments:			

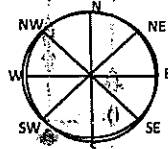
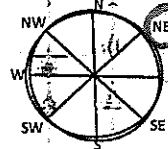
MONITORING STARTS			
Operator: RW/ST/TP		Location: R9	
Date: July 9, 2020		Noise Meter Start Time: 12:20	
Calibration complete?: Yes		Sensitivity: 51.45	
Deviation: -0.01 db		Time of Calibration: 12:10	
Battery Power Check: Y		Check available disk memory (Y/N) Y	
Photographs of Setup (Y/N) Y		Photographs of Surrounding (Y/N) Y	
Cloud cover:	cloudy	partly cloudy	sunny
Height of cloud (feet):	0-10,000	10,000-25,000	25,000 +
Air Temperature (C): 11.6	Wind Speed (km/hr): 14		
Wind Direction:			
Barometric Pressure (kPa):	Relative Humidity (%): 77.7		
Precipitation:	none	drizzle	rain
GENERAL SITE DESCRIPTION			
GPS Location	Latitude: 602488	Longitude: 7255946	Altitude:
Type of Ground Surface:			
Acoustic Environment:			
Traffic			
Human activities			
Animal			
Other noise sources			
MONITORING ENDS			
Operator: FL-FH		Total Monitoring Period: 69h 43m	
Date: 2020-07-12		Noise Meter End Time: 10:31	
Calibration complete?: Yes		Sensitivity: 51.34	
Deviation: -0.02		Time of Calibration: 8/1/0 (2020-06-16)	
Cloud cover:	cloudy	partly cloudy	sunny
Height of cloud (feet):	0-10,000	10,000-25,000	25,000 +
Air Temperature (C): 18.9	Wind Speed (km/hr): 22		
Wind Direction:			
Barometric Pressure (kPa):	Relative Humidity (%): 57.2		
Precipitation:	none	drizzle	rain
Comments: OP: 10.6			

MONITORING STARTS			
Operator: Tom T / 5am T		Location: R9	
Date: 2020-08-01		Noise Meter Start Time: 13:20	
Calibration complete?: Yes		Sensitivity: 51.53	
Deviation: -0.01		Time of Calibration: 15:40:5	
Battery Power Check: Yes		Check available disk memory (Y/N) Yes	
Photographs of Setup (Y/N) Yes		Photographs of Surrounding (Y/N) Yes	
Cloud cover:		cloudy partly cloudy sunny	
Height of cloud (feet):		0-10,000 10,000-25,000 25,000 +	
Air Temperature (C): 19.2		Wind Speed (km/hr): 6.5	
Wind Direction: 9.1 max 4.4 Avg.			
Barometric Pressure (kPa): 14.3		Relative Humidity (%): 65.8	
Precipitation:		none drizzle rain	
GENERAL SITE DESCRIPTION			
GPS Location	Latitude	Longitude	Altitude
Type of Ground Surface: Acoustic Environment: Tundra Traffic Human activities Animal Other noise sources			
MONITORING ENDS			
Operator: SAMO T.		Total Monitoring Period: 46H	
Date: 2020-08-03		Noise Meter End Time: 11:10	
Calibration complete?: YES		Sensitivity: 51.41	
Deviation: 0:020dB		Time of Calibration: 7:18	
Cloud cover:		cloudy partly cloudy sunny	
Height of cloud (feet):		0-10,000 10,000-25,000 25,000 +	
Air Temperature (C): 24.8		Wind Speed (km/hr): 21.1	
Wind Direction: SE			
Barometric Pressure (kPa): 15.3		Relative Humidity (%): 53.8	
Precipitation:		none drizzle rain	
Comments:			

MONITORING STARTS			
Operator: <i>Louis Dubois & Fanny Legrande</i>		Location: <i>R10</i>	
Date: <i>2020-07-24</i>		Noise Meter Start Time: <i>11:25</i>	
Calibration complete?: <i>Y</i>		Sensitivity: <i>51.48</i>	
Deviation: <i>0.06</i>		Time of Calibration: <i>0</i>	
Battery Power Check: <i>Y</i>		Check available disk memory (Y/N) <i>(Y)</i>	
Photographs of Setup (Y/N) <i>Y</i>		Photographs of Surrounding (Y/N) <i>Y</i>	
Cloud cover: <i>cloudy</i>		<i>partly cloudy</i> <i>sunny</i>	
Height of cloud (feet): <i>0-10,000</i>		<i>10,000-25,000</i> <i>25,000+</i>	
Air Temperature (C): <i>20.8</i>		Wind Speed (km/hr): <i>18.3</i>	
Wind Direction:			
Barometric Pressure (kPa):		Relative Humidity (%): <i>52.8</i>	
Precipitation: <i>none</i>		<i>drizzle</i> <i>rain</i>	
GENERAL SITE DESCRIPTION			
GPS Location	Latitude: <i>60°51'6"</i>	Longitude: <i>72°54'05.5"</i>	Altitude:
Type of Ground Surface: <i>tundra</i>			
Acoustic Environment:			
Traffic ☒			
Human activities <i>High Road @ 1.5 km</i>			
Animal ☒			
Other noise sources <i>helicopter</i>			
MONITORING ENDS			
Operator: <i>Louis Dubois & Fanny Legrande</i>		Total Monitoring Period: <i>46h 28m</i>	
Date: <i>2020-07-27</i>		Noise Meter End Time: <i>10:04</i>	
Calibration complete?: <i>Yes</i>		Sensitivity: <i>51.97</i>	
Deviation: <i>0.08</i>		Time of Calibration: <i>10h 06</i>	
Cloud cover: <i>cloudy</i>		<i>partly cloudy</i> <i>sunny</i>	
Height of cloud (feet): <i>0-10,000</i>		<i>10,000-25,000</i> <i>25,000+</i>	
Air Temperature (C): <i>12.6</i>		Wind Speed (km/hr): <i>16.7</i>	
Wind Direction: <i>From South</i>			
Barometric Pressure (kPa):		Relative Humidity (%): <i>57.6</i>	
Precipitation: <i>none</i>		<i>drizzle</i> <i>rain</i>	
Comments: <i>Windy periode</i>			

MONITORING STARTS			
Operator: RW		Location: 1210	
Date: 2020/08/12		Noise Meter Start Time: 14:40	
Calibration complete?: Y		Sensitivity: 57.57	
Deviation: -0.02 dB		Time of Calibration: 13:20	
Battery Power Check: Y		Check available disk memory (Y/N): Y	
Photographs of Setup (Y/N): Y		Photographs of Surrounding (Y/N): Y	
Cloud cover: cloudy		partly cloudy sunny	
Height of cloud (feet): 0-10,000		10,000-25,000 25,000 +	
Air Temperature (C): 14.5		Wind Speed (km/hr): 10.9	
Wind Direction: SW			
Barometric Pressure (kPa): 7.4		Relative Humidity (%): 60.1	
Precipitation: none		drizzle rain	
GENERAL SITE DESCRIPTION			
GPS Location	Latitude	Longitude	Altitude
Type of Ground Surface: Acoustic Environment: Traffic Human activities Animal Other noise sources			
MONITORING ENDS			
Operator: RW - KN		Total Monitoring Period:	
Date: 2020/08/15		Noise Meter End Time: 15:00	
Calibration complete?: Y		Sensitivity: 51.40	
Deviation: -0.03		Time of Calibration: 15:45	
Cloud cover: cloudy		partly cloudy sunny	
Height of cloud (feet): 0-10,000		10,000-25,000 25,000 +	
Air Temperature (C):		Wind Speed (km/hr):	
Wind Direction: NW			
Barometric Pressure (kPa): 10.0		Relative Humidity (%): 61	
Precipitation: none		drizzle rain	
Comments: Meter had fallen over. Two prior days of heavy rain and strong winds.			

MONITORING STARTS			
Operator: FL 8 LD		Location: R11	
Date: 2020-07-21		Noise Meter Start Time:	
Calibration complete?: Y		Sensitivity: 51.22	
Deviation: 0.02 dB		Time of Calibration: 8:00	
Battery Power Check: Y		Check available disk memory (Y/N): Y	
Photographs of Setup (Y/N)		Photographs of Surrounding (Y/N)	
Cloud cover: ☐ cloudy ☐ partly cloudy ☒ sunny			
Height of cloud (feet): ☐ 0-10,000 ☐ 10,000-25,000 ☒ 25,000+			
Air Temperature (C): 15.4		Wind Speed (km/hr): 14.4	
Wind Direction: 			
Barometric Pressure (kPa):		Relative Humidity (%): 71.2	
Precipitation: ☒ none ☐ drizzle ☐ rain			
GENERAL SITE DESCRIPTION			
GPS Location	Latitude: 608786	Longitude: 7257008	Altitude:
Type of Ground Surface: Grassland			
Acoustic Environment:			
Traffic			
Human activities			
Animals			
Other noise sources: Helicopter			
MONITORING ENDS			
Operator: FL 1P		Total Monitoring Period: 52 h	
Date: 2020-07-23		Noise Meter End Time: 13:50	
Calibration complete?:		Sensitivity: 51.11 MV/Pa	
Deviation: -0.02 dB		Time of Calibration: 14:30	
Cloud cover: ☐ cloudy ☐ partly cloudy ☒ sunny			
Height of cloud (feet): ☐ 0-10,000 ☐ 10,000-25,000 ☒ 25,000+			
Air Temperature (C): 23.25 24.9		Wind Speed (km/hr): 10.5 km/h MAX 14	
Wind Direction: DP 17.4 			
Barometric Pressure (kPa):		Relative Humidity (%): 66.2	
Precipitation: ☐ none ☐ drizzle ☐ rain			
Comments: Microphone was out of its moose socket.			

MONITORING STARTS			
Operator: RW KN		Location: R11	
Date: 2020/08/17		Noise Meter Start Time: 10:55	
Calibration complete?: Y		Sensitivity: 51.79	
Deviation: 0.03		Time of Calibration: 8.25	
Battery Power Check: Y		Check available disk memory (Y/N) Y	
Photographs of Setup (Y/N) Y		Photographs of Surrounding (Y/N) Y	
Cloud cover: cloudy cloudy partly cloudy sunny			
Height of cloud (feet): 0-10,000 10,000-25,000 25,000 +			
Air Temperature (C): 7.1		Wind Speed (km/hr): 10.9	
Wind Direction: SW			
Barometric Pressure (kPa): 3.9		Relative Humidity (%): 76.3	
Precipitation: none drizzle rain			
GENERAL SITE DESCRIPTION			
GPS Location	Latitude: N 65° 25' 04.1	Longitude: W 96° 39' 27.6	Altitude: 591 ft
Type of Ground Surface: Acoustic Environment: Traffic Human activities Animal Other noise sources			
MONITORING ENDS			
Operator: LD - FL		Total Monitoring Period: 46h 26m	
Date: 2020.08-19		Noise Meter End Time: 10:00	
Calibration complete?:		Sensitivity: 51.55	
Deviation: -0.01 dB		Time of Calibration: 11:25	
Cloud cover: cloudy partly cloudy sunny			
Height of cloud (feet): 0-10,000 10,000-25,000 25,000 +			
Air Temperature (C): 5.8		Wind Speed (km/hr): 3.8	
Wind Direction: NE			
Barometric Pressure (kPa):		Relative Humidity (%): 73.9	
Precipitation: none drizzle rain			
Comments:			