

Appendix 44

Meadowbank and Whale Tail 2018 Noise Monitoring Program



AGNICO EAGLE

MEADOWBANK GOLD PROJECT

2018 Noise Monitoring Report

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

Prepared by:
Agnico-Eagle Mines Limited – Meadowbank Division

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EXECUTIVE SUMMARY

The 2018 noise monitoring program at Meadowbank was conducted according to the Noise Monitoring and Abatement Plan (Version 3; AEM, 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 rounds of two to four days per station. In 2018, construction at the Whale Tail site began mid-way through the summer season, so one survey was planned for those noise stations (R6 – R11) in this first monitoring year. Daytime, night-time, 10-11pm, and 24 h L_{eq} values calculated from recorded 1-min L_{eq} values for each monitoring event and location are shown in Table 1.

The daytime target sound level (55 dBA) and nighttime target sound level (45 dBA) were exceeded during one monitoring event at R4 (July 2 – 5). An examination of the data indicated that sound levels were consistent throughout the monitoring period, and not due to isolated peaks. No specific noise sources could be identified through recordings. However, the elevated noise levels were not sustained, as targets were not exceeded during the second monitoring event (July 23 – 25), and L_{eq} values were within the range of those observed historically site-wide. Therefore overall, onsite sound levels do not appear to be increasing.

A comparison to FEIS predictions was performed, and all measured values were within predictions, with the exception of one hourly datapoint for R5. However, the exceedance was less than 3 dBA (i.e. not audibly different), and design target sound levels were met for this site.

Impacts of sensory disturbance on wildlife are determined through the Terrestrial Ecosystem Monitoring Plan (TEMP), and reported annually in the Wildlife Summary Report. While sensory disturbance of caribou in excess of impact predictions was identified in that report in 2018, the contribution of noise to sensory disturbance cannot realistically be isolated. However, supplemental monitoring under the recently updated TEMP (December, 2018) will specifically aim to quantify the response of caribou to blasts in 2019.

Table 1. Daytime, night-time, 10-11 pm, and 24-h L_{eq} values for monitoring locations R1 – R11, and number of hours for the corresponding time period for which valid data was available (# hours). Day- and night-time periods with fewer than 3 hours of valid data are excluded (-), and those exceeding corresponding target sound levels are shaded grey. Noise levels at R6 were not assessed in 2018.

Site	Dates (2018)	$L_{eq, day}$ 7am-11pm (dBA)		$L_{eq, night}$ 11pm-7am (dBA)		$L_{eq, 1 h}$ 10-11pm (dBA)	$L_{eq, 24 h}$ (dBA)	
		# hours	# hours	# hours	# hours			
R1	Jun 27 - 29	37.7	13	36.0	8	-	37.2	21
	Jul 18 - 20	45.2	14	38.0	10	29.9	43.4	24
R2	Jun 29 - Jul 2	42.0	32	35.1	13	38.0	40.7	45
	Jul 23 - 25	36.3	7	38.3	10	-	37.5	17
R3	Jul 9 - 12	36.2	26	41.6	19	37.8	38.8	45
R4	Jul 2 - 5	58.9	20	48.5	16	55.1	57.3	36
	Jul 25 - 27	34.8	16	39.8	6	33.3	36.7	22
R5	Jul 5 - 7	-	0	26.1	4	0.0	26.1	4
	Jul 16 - 18	49.5	10	31.4	8	29.2	47.0	18
R6	-	-	-	-	-	-	-	-

Site	Dates (2018)	Leq, day 7am-11pm (dBA)	# hours	Leq, night 11pm-7am (dBA)	# hours	Leq, 1 h 10-11pm (dBA)	Leq, 24 h (dBA)	# hours
R7	Aug 25 - Sept 2	28.8	39	31.1	19	31.8	29.7	58
R8	Jul 30 - Aug 2	-	2	32.8	9	28.9	35.4	11
R9	Aug 3 - 7	40.2	10	39.0	8	24.9	39.7	18
R10	Sept 16 - 19	33.9	3	-	2	30.7	34.4	5
R11	Aug 13	43.2	10	-	0	46.4	43.2	10

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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 the NIRB Project Certificate No. 004. The Noise Monitoring and Abatement Plan (Version 3; 2018) was updated in 2018 to include monitoring for the Whale Tail site, according to NIRB Project Certificate No. 008. The objective of this monitoring program is to measure representative noise levels at the perimeter of the main Meadowbank and Whale Tail sites, to inform the implementation of noise mitigation measures. 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). These values are 55 dBA (daytime) and 45 dBA (night-time).

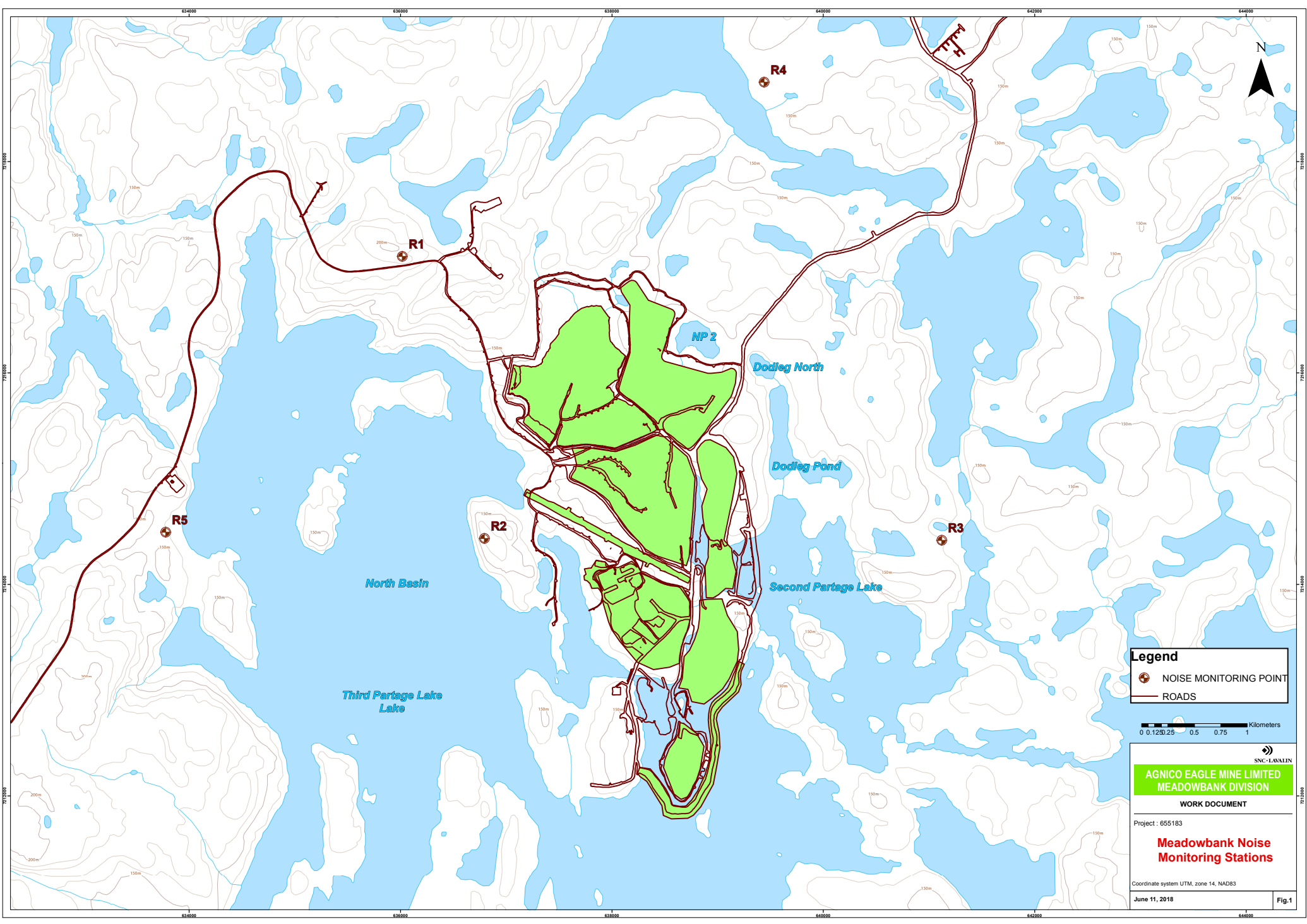
1.1 MONITORING LOCATIONS

To fulfill the monitoring objectives, the Noise Monitoring and Abatement Plan (AEM, 2018) 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 two to four days. In 2018, two complete surveys were conducted for each site, except R3 and R6. With the addition of six new sites in this initial year of monitoring for the Whale Tail site, scheduling difficulties meant only one survey was able to be conducted for R3, and no surveys were completed for R6. These sites will be fully monitored in 2019.



Noise monitoring locations R1 – R5 have not changed since 2014. All sites were located as recommended in the Noise Monitoring and Abatement Plan (2018), with any minor deviations noted below. UTM coordinates are provided in Table 2, and are shown in relation to mine site features in Figures 1 and 2. Photos of the monitoring locations are provided in Appendix A.

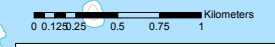
Table 2. UTM coordinates and dates of measurement for the Meadowbank noise monitoring locations.

Monitoring Location	Easting	Northing	Dates	Hours
R1	636149	7217332	June 27 - 29	9:39 - 8:26
			July 18 - 20	15:32 - 14:11
R2	636795	7214435	June 29 - Jul 2	9:12 - 10:39
			Jul 23 - 25	15:05 - 8:22
R3	641104	7214427	Jul 9 - 12	15:35 - 9:00
R4	639990	7218810	Jul 2 - 5	15:14 - 8:41
			Jul 25 - 27	14:29 - 8:48
R5	633781	7214493	Jul 5 - 6	14:54 - 6:07
			Jul 16 - 18	14:06 - 14:30
R6	640708	7221964	-	-
R7	620194	7239038	Aug 25 - Aug 29	18:43 - 10:12
R8	610725	7256677	Jul 30 - Aug 2	15:30 - 14:20
R9	602488	7255946	Aug 3 - 7	11:58 - 16:18
R10	609516	7254055	Sept 16 - 19	16:23 - 9:26
R11	608786	7257008	Aug 13 - 14	11:32 - 2:51



Legend

-  NOISE MONITORING POINT
-  ROADS



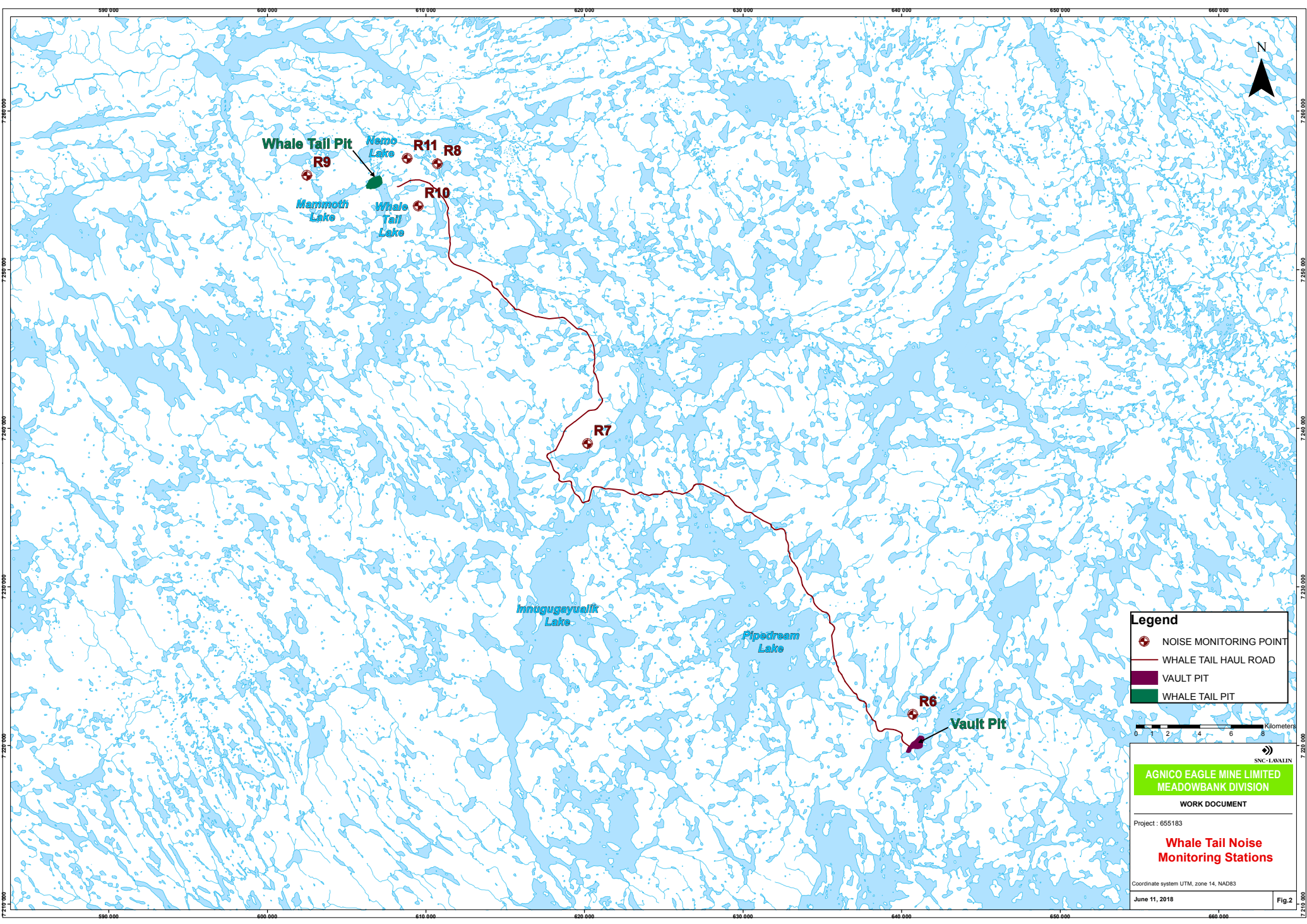


**AGNICO EAGLE MINE LIMITED
MEADOWBANK DIVISION**





WORK DOCUMENT

Project : 655183

**Meadowbank Noise
Monitoring Stations**



Legend

-  NOISE MONITORING POINT
-  WHALE TAIL HAUL ROAD
-  VAULT PIT
-  WHALE TAIL PIT



 SNC-LAWALIN

**AGNICO EAGLE MINE LIMITED
MEADOWBANK DIVISION**

WORK DOCUMENT

Project : 655183

**Whale Tail Noise
Monitoring Stations**

Coordinate system UTM, zone 14, NAD83

1.1.1 R1

Location R1 was formerly 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

Location 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

Location 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

Location R4 is approximately 1,500 m southwest of the future location 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

Location 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

Location R6 is located approximately 1,500 m east from the proposed Whale Tail Pit Haul road and approximately 1,500 m north from the centre of the 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

Location R7 is located approximately 1,500 m east from the proposed Whale Tail Pit Haul Road. The ground surface around the monitoring site is generally covered by vegetation typical of tundra (i.e., low vegetation). In addition, the ground surface is covered with scattered rocks.

1.1.8 R8

Location R8 is located on an elevated plateau approximately 1,500 m northeast from the Whale Tail Pit site. The ground surface is covered by vegetation typical of tundra (i.e., low vegetation) and covered by scattered rocks. This monitoring station was moved 150 m east of the original baseline monitoring location due to ongoing quarrying activities.

1.1.9 R9

Location R9 is located approximately 1,500 m northwest from the proposed Whale Tail Pit. The ground surface is covered by vegetation typical of tundra (i.e., low vegetation) and covered by scattered rocks.

1.1.10 R10

Location R10 is located approximately 1,000 m southeast from the Whale Tail Pit site, on the east side of Whale Tail Lake.

1.1.11 R11

Location R11 is located approximately 1,000 m north from the Whale Tail Pit site, on the east side of Nemo Lake.

SECTION 2 • METHODS

In 2018, 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 noise level logging rate was set at one-minute intervals, and sound was recorded in 10 minute intervals.

The parameters logged each minute included:

- Integrated average sound level, in dBA – L_{eq}
- Absolute maximum sound level, in dBA – L_{max}
- Absolute minimum sound level, in dBA – L_{min}

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 station. Hourly data for wind, temperature and relative humidity was available from this station.

The Alberta Energy Resource Conservation Board (ERCB, 2007) has published 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. In 2018, 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 noises during instrument set-up and take-down. All field observations are provided in Appendix B.

2.4 DATA ANALYSIS

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

All datapoints associated with the first hour of measurement were filtered out to remove noise from technicians, and to ensure more than 30 min of data contributed to hourly averages. Since noise monitors were usually left in the field until the battery ran out, records from the last hour were only filtered out if less than 30 min of data were recorded or technician interference was noted.

Recorded one-minute L_{eq} values were then used to calculate hourly equivalent noise levels ($L_{eq, 1h}$). After further filtering based on weather considerations (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 produce day- and night-time L_{eq} values with the greatest possible recorded coverage of their respective time periods, resulting in more representative measurements.

SECTION 3 • RESULTS

3.1 R1

One-minute filtered and unfiltered L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) over the two monitoring events at R1 are shown in Figures 3 and 4. Filtered one-minute L_{eq} values exclude data collected in the first hour to remove technician interference, and data collected under non-optimal weather conditions (wind speed > 15 km/h, relative humidity > 90%). Filtered values were used in subsequent analyses, but unfiltered values are provided for reference. For station R1, 21 h of usable data were available from the first monitoring event, and 24 h were available from the second event.

Weather data for all noise monitoring dates are provided in Appendix C. Hourly average wind speeds in excess of 4.17 m/s and/or probable precipitation occurred about half of each monitoring event.

Audible noises noted in the field log at this location include AWAR traffic and birds.

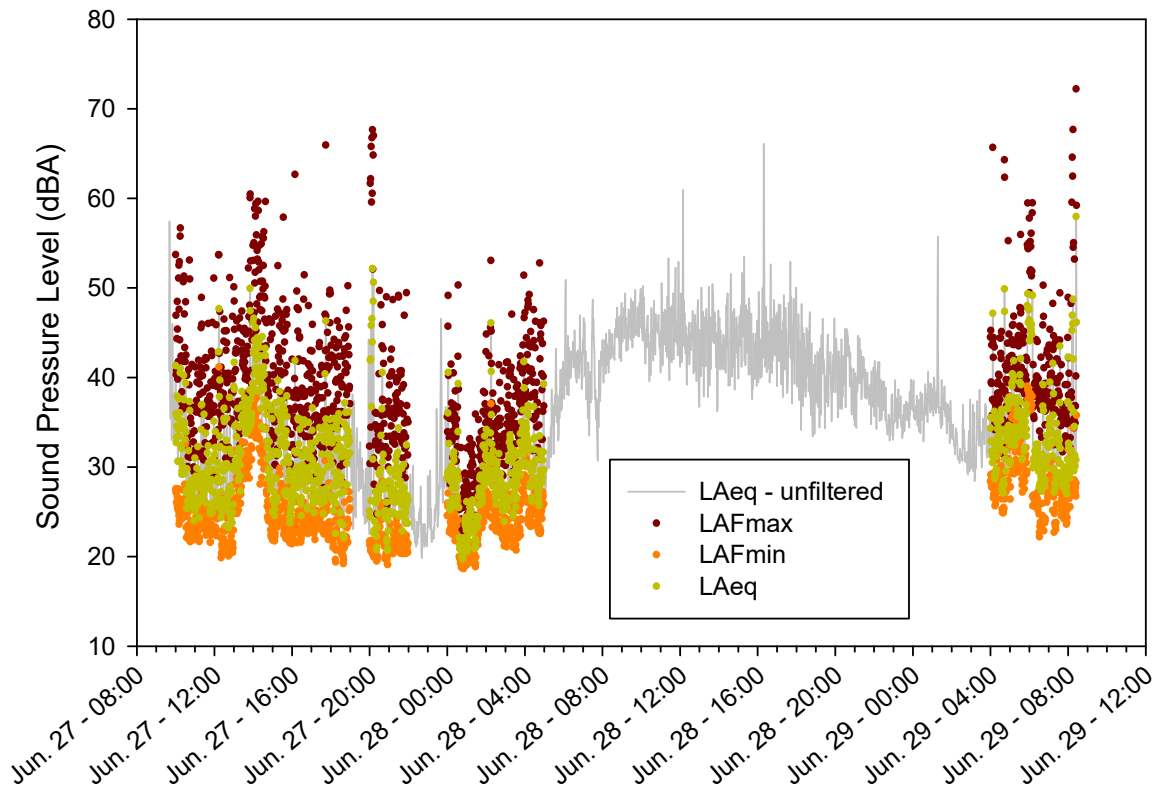


Figure 3. One-minute L_{eq} , L_{max} and L_{min} values recorded at monitoring station R1 at the Meadowbank site during monitoring event 1. Filtered data excludes those measurements taken outside of optimal conditions (set-up, take-down, wind > 15 km/h, RH > 90%).

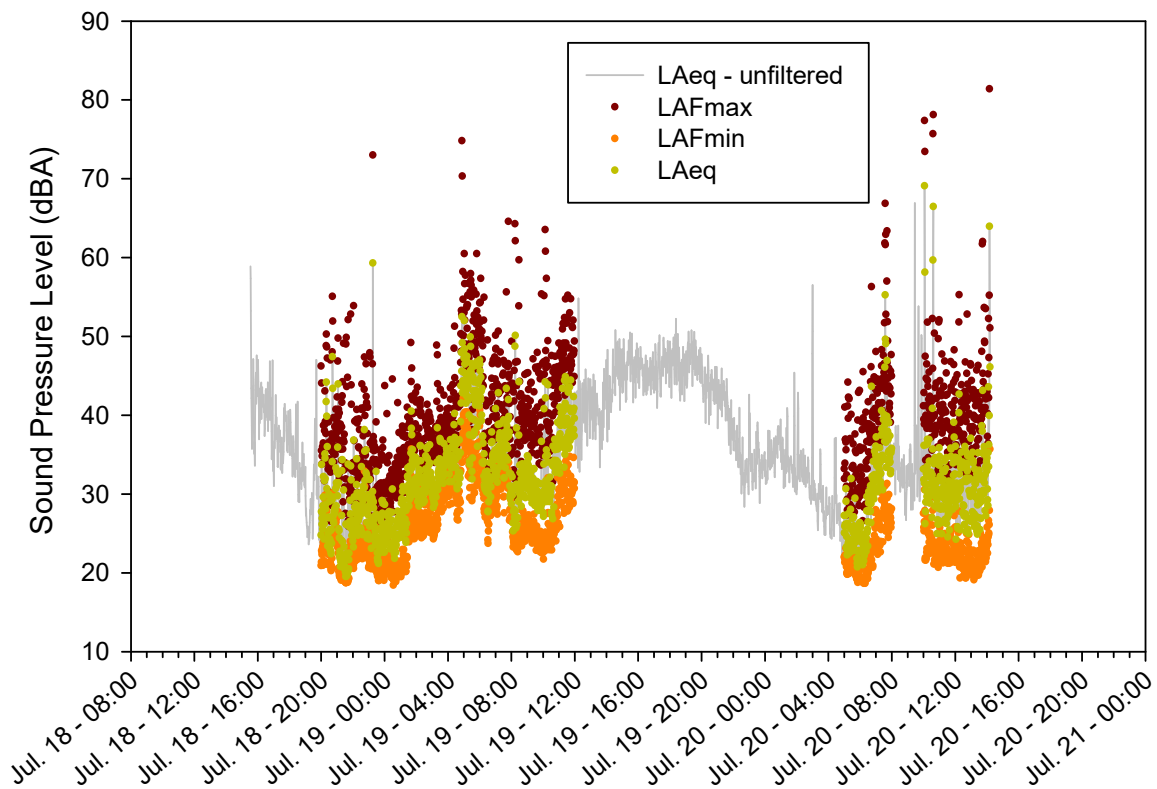


Figure 4. One-minute L_{eq} , L_{max} and L_{min} values recorded at monitoring station R1 at the Meadowbank site during monitoring event 2. Filtered data excludes those measurements taken outside of optimal conditions (set-up, take-down, wind > 15 km/h, RH > 90%).

3.2 R2

One-minute filtered and unfiltered L_{eq} value, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) over the two monitoring events at R2 are shown in Figures 5 and 6.

Weather data for noise monitoring dates at R2 is shown in Appendix C. Wind exceeded 4.17 m/s for less than half of each monitoring event at this site. From the first monitoring event (June 29), 45 h of data were available after filtering. From the second monitoring event (July 23), 17 h of data were available.

Audible noises noted in the field log at this location include mine equipment, air traffic, and birds.

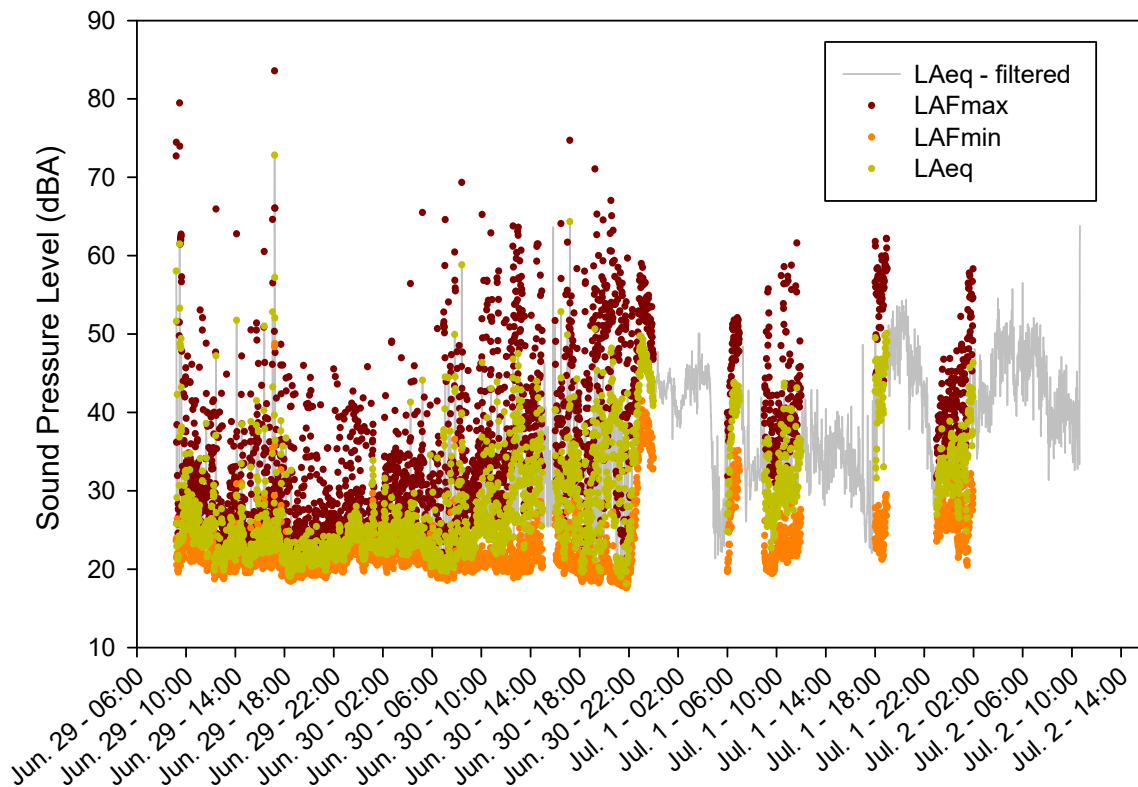


Figure 5. One-minute L_{eq} , L_{max} and L_{min} values recorded at monitoring station R2 at the Meadowbank site during monitoring event 1. Filtered data excludes those measurements taken outside of optimal conditions (set-up, take-down, wind > 4.17 m/s, RH > 90%).

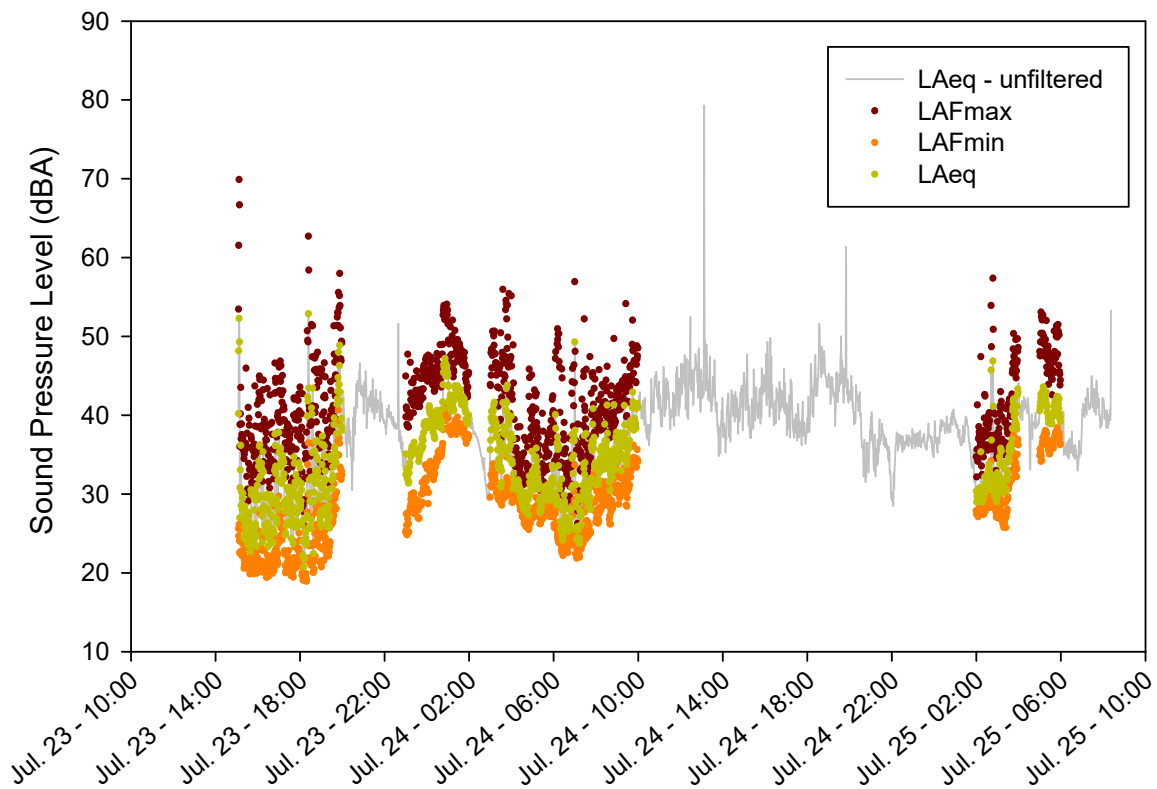


Figure 6. One-minute L_{eq} , L_{max} and L_{min} values recorded at monitoring station R2 at the Meadowbank site during monitoring event 2. Filtered data excludes those measurements taken outside of optimal conditions (set-up, take-down, wind > 4.17 m/s, RH > 90%).

3.3 R3

One-minute filtered and unfiltered L_{eq} value, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) for the monitoring event at R3 are shown in Figure 7.

Weather data for noise monitoring dates at R3 are provided in Appendix C. Wind speeds were low during this monitoring event and a total of 45 h of data collected were usable.

Audible noises previously noted in the field log at this location include mine traffic, air traffic, birds and waves.

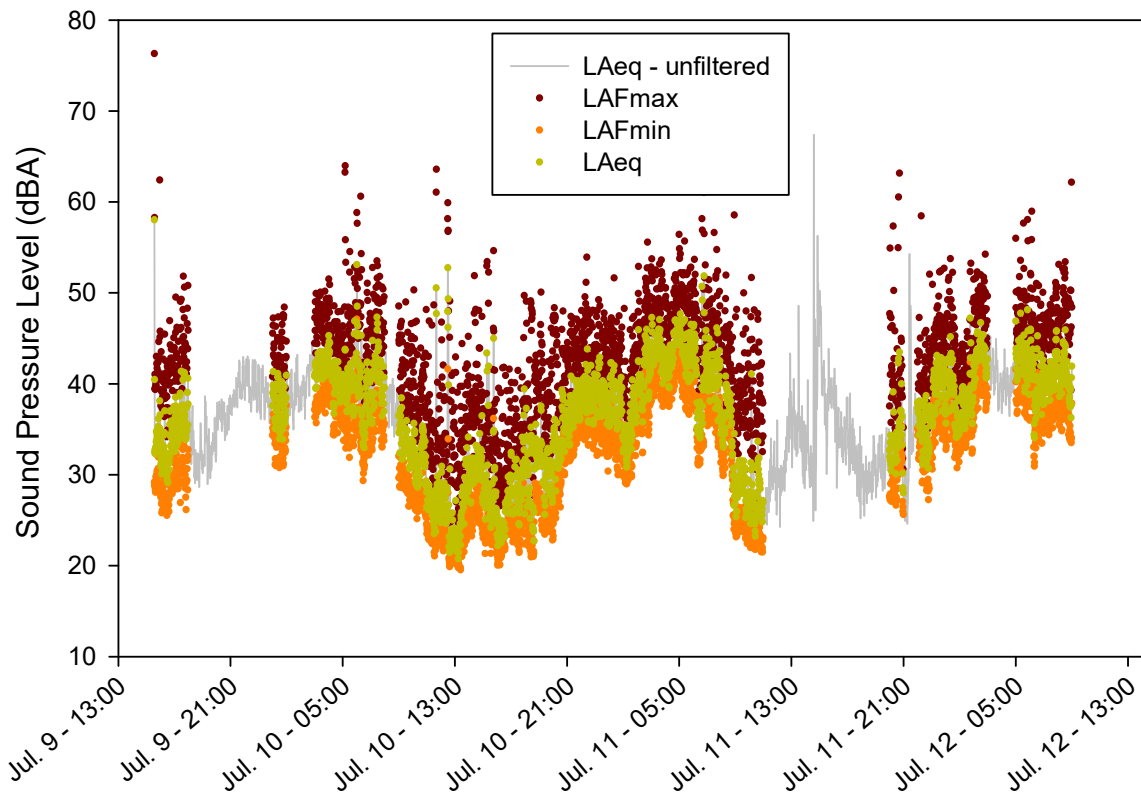


Figure 7. One-minute L_{eq} , L_{max} and L_{min} values recorded at monitoring station R3 at the Meadowbank site during monitoring event 1. Filtered data excludes those measurements taken outside of optimal conditions (set-up, take-down, wind > 4.17 m/s, RH > 90%).

3.4 R4

One-minute filtered and unfiltered L_{eq} value, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) over the two monitoring events at R4 are shown in Figure 8 and 9.

Weather data for noise monitoring dates at R4 are provided in Appendix C. Wind speeds tended to be high during the first half of the July 2 event, but 36 h of data were valid. For the second event (July 25), 22 h were valid.

Noises noted in the field log include waves, mine traffic, and birds.

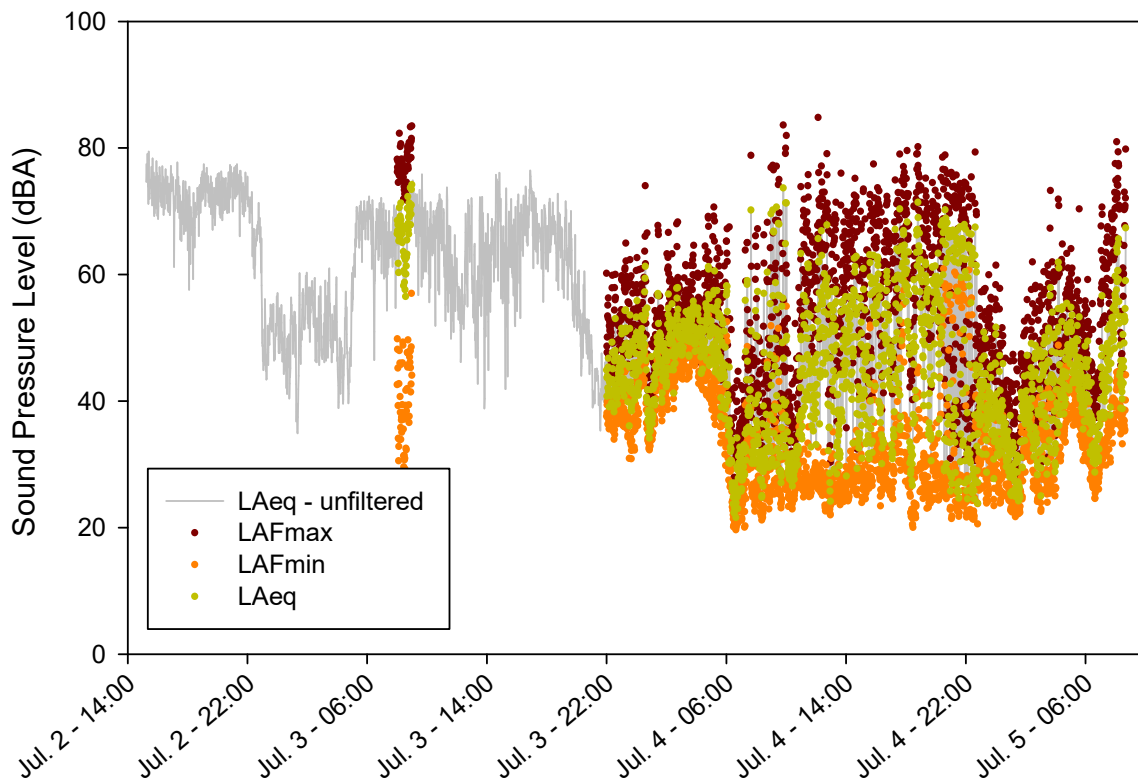


Figure 8. One-minute L_{eq} , L_{max} and L_{min} values recorded at monitoring station R4 at the Meadowbank site during monitoring event 1. Filtered data excludes those measurements taken outside of optimal conditions (set-up, wind > 4.17 m/s, RH > 90%).

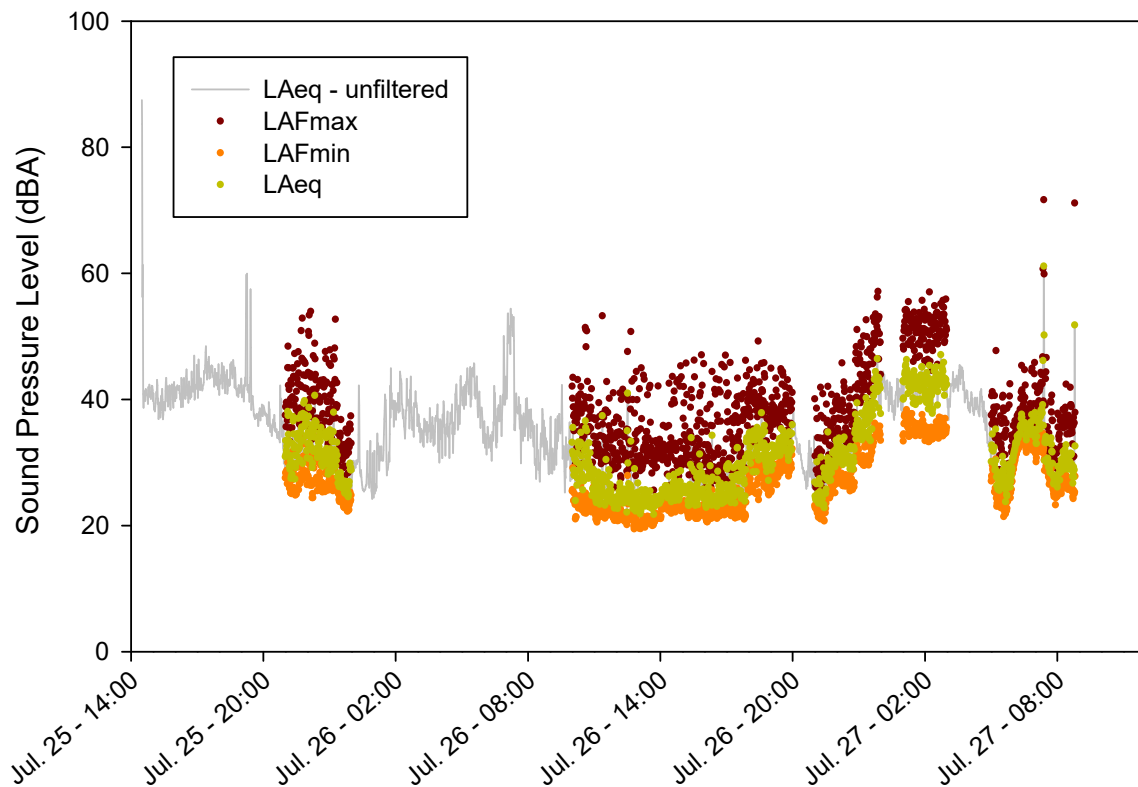


Figure 9. One-minute L_{eq} , L_{max} and L_{min} values recorded at monitoring station R4 at the Meadowbank site during monitoring event 2. Filtered data excludes those measurements taken outside of optimal conditions (set-up, wind > 4.17 m/s, RH > 90%).

3.5 R5

One-minute filtered and unfiltered L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) over the two monitoring events at R5 are shown in Figures 10 and 11.

Weather data for noise monitoring dates at R5 is also shown in Appendix C. The first monitoring event (July 5) was truncated at 17 h due to a battery malfunction, and only 4 of data were usable. During the second event (July 25) significant rainfall occurred, but 17 h of data were usable.

Audible noises noted in the field log at this location include road traffic, wind, and helicopter activities at the nearby former exploration camp. 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 Amaruq was completed in 2018, and a helicopter pad was installed at the Meadowbank airstrip, there was limited helicopter traffic around R5 this year.

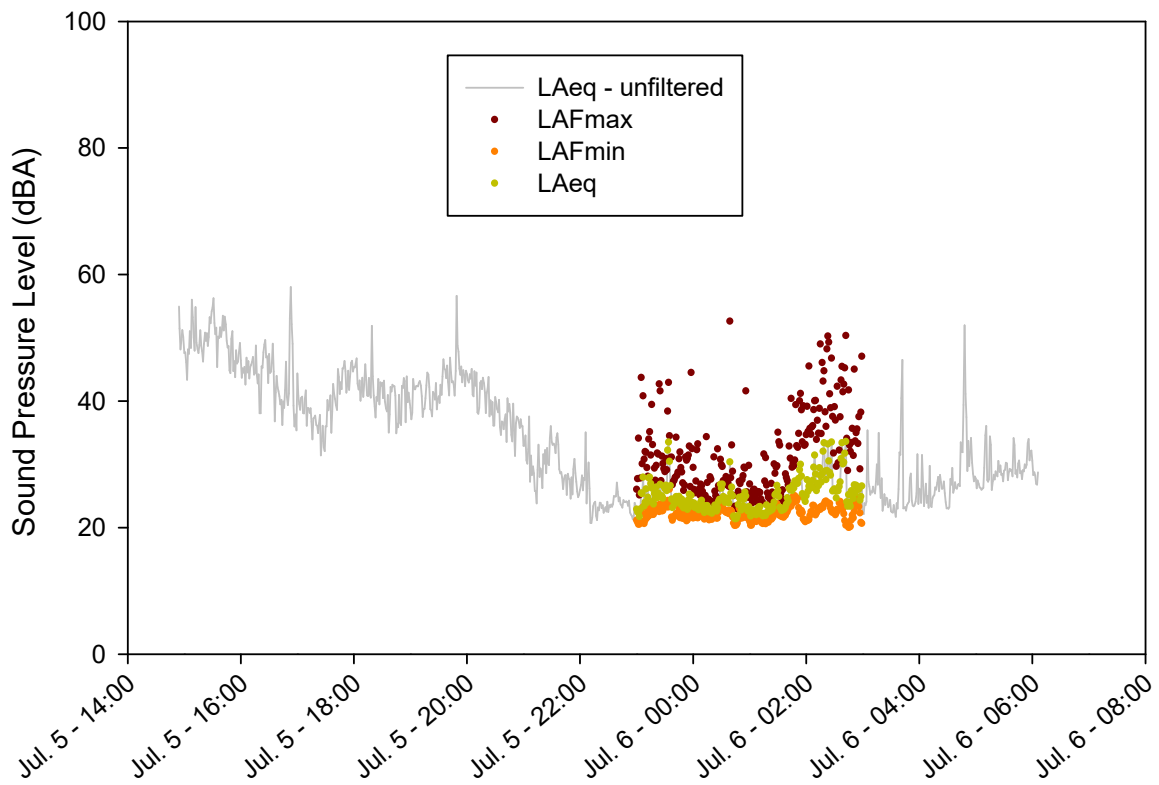


Figure 10. One-minute L_{eq} , L_{max} and L_{min} values recorded at monitoring station R5 at the Meadowbank site during monitoring event 1. Filtered data excludes those measurements taken outside of optimal conditions (set-up, wind > 4.17 m/s, RH > 90%).

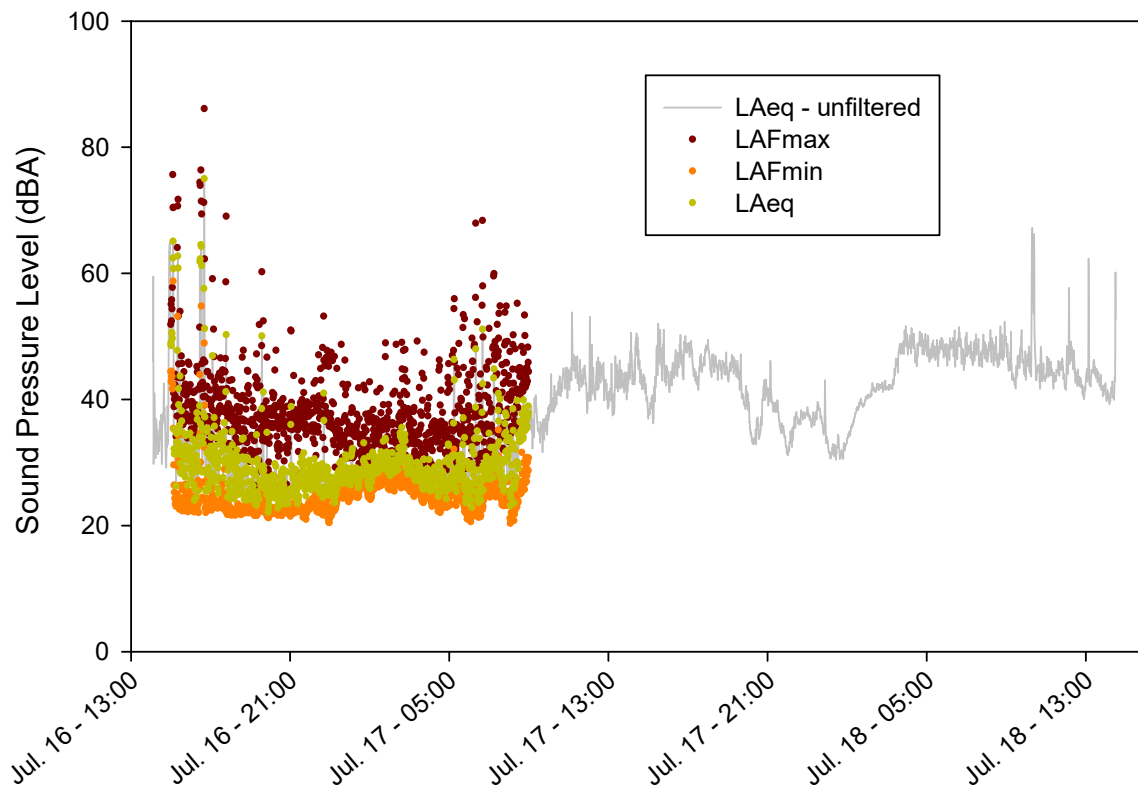


Figure 11. One-minute L_{eq} , L_{max} and L_{min} values recorded at monitoring station R5 at the Meadowbank site during monitoring event 2. Filtered data excludes those measurements taken outside of optimal conditions (set-up, wind > 4.17 m/s, RH > 90%).

3.6 R6

Monitoring was not conducted at R6 in 2018 due to scheduling difficulties. This station will be monitored in 2019.

3.7 R7

One-minute filtered and unfiltered L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) for the monitoring event at R7 are shown in Figure 12.

Weather data for noise monitoring dates is provided in Appendix C. For the first half of this monitoring event (until 9 am, Aug 27) weather data was not available, so data was not filtered on that basis. A total of 58 h contributed to the usable dataset.

Audible noises noted in the field log at this location include helicopter traffic and wildlife.

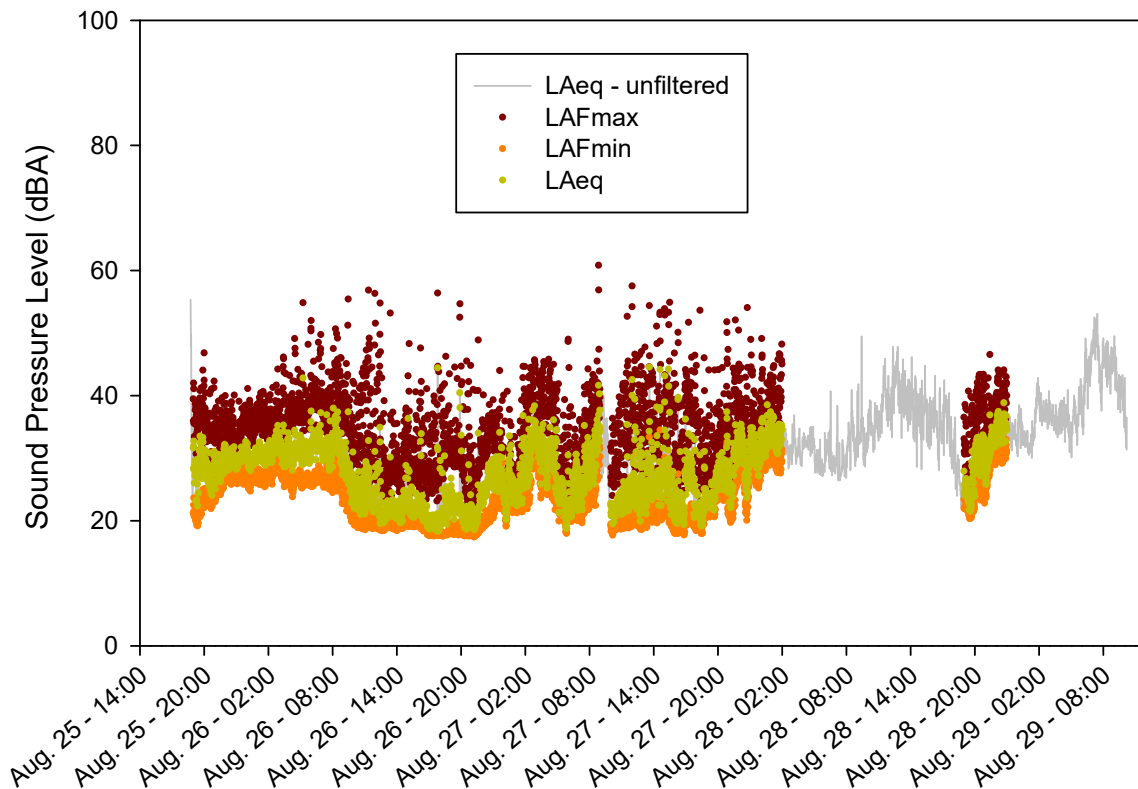


Figure 12. One-minute L_{eq} , L_{max} and L_{min} values recorded at monitoring station R7 at the Meadowbank site during monitoring event 1. Filtered data excludes those measurements taken outside of optimal conditions (set-up, wind > 4.17 m/s, RH > 90%).

3.8 R8

One-minute filtered and unfiltered L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) for the monitoring event at R8 are shown in Figure 13.

Weather data for noise monitoring dates is provided in Appendix C. Windspeeds tended to be high throughout the event, and only 11 of 72 h were usable.

Audible noises noted in the field log at this location include Amaruq road traffic and wildlife.

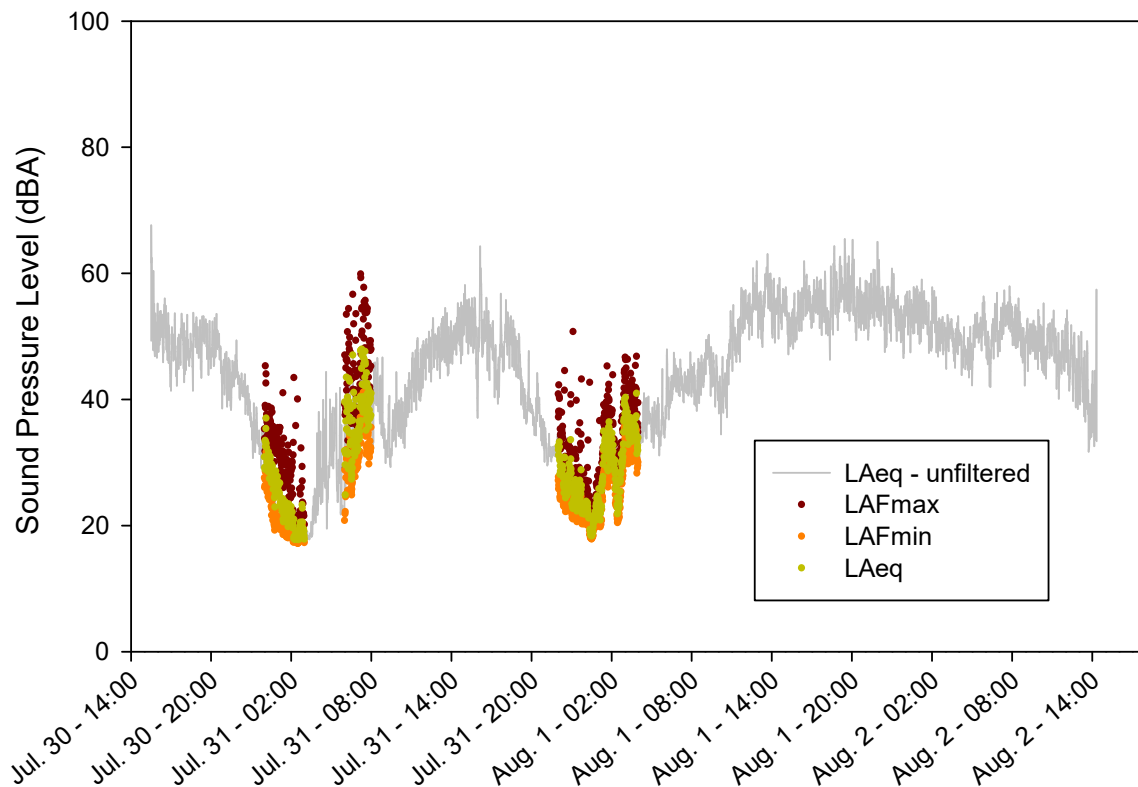


Figure 13. One-minute L_{eq} , L_{max} and L_{min} values recorded at monitoring station R8 at the Meadowbank site during monitoring event 1. Filtered data excludes those measurements taken outside of optimal conditions (set-up, wind > 4.17 m/s, RH > 90%).

3.9 R9

One-minute filtered and unfiltered L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) for the monitoring event at R9 are shown in Figure 14.

Weather data for noise monitoring dates is provided in Appendix C. Windspeeds tended to be high throughout the event, and only 18 of 78 h were usable.

Helicopter and wildlife noises were noted in the field log.

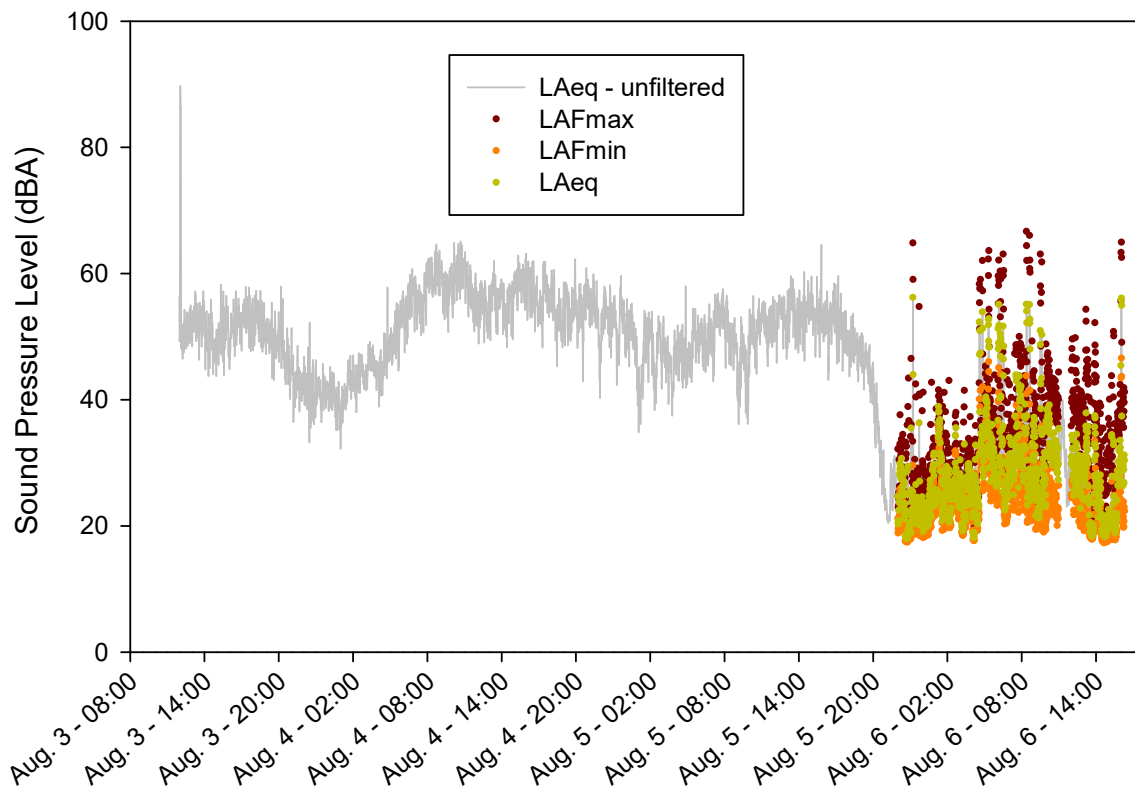


Figure 14. One-minute L_{eq} , L_{max} and L_{min} values recorded at monitoring station R9 at the Meadowbank site during monitoring event 1. Filtered data excludes those measurements taken outside of optimal conditions (set-up, wind > 4.17 m/s, RH > 90%).

3.10 R10

One-minute filtered and unfiltered L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) for the monitoring event at R10 are shown in Figure 15.

Weather data for noise monitoring dates is provided in Appendix C. Wind speeds tended to be high throughout the event, and only 5 of 66 h were usable.

Audible noises noted in the field log for this location were helicopter sounds.

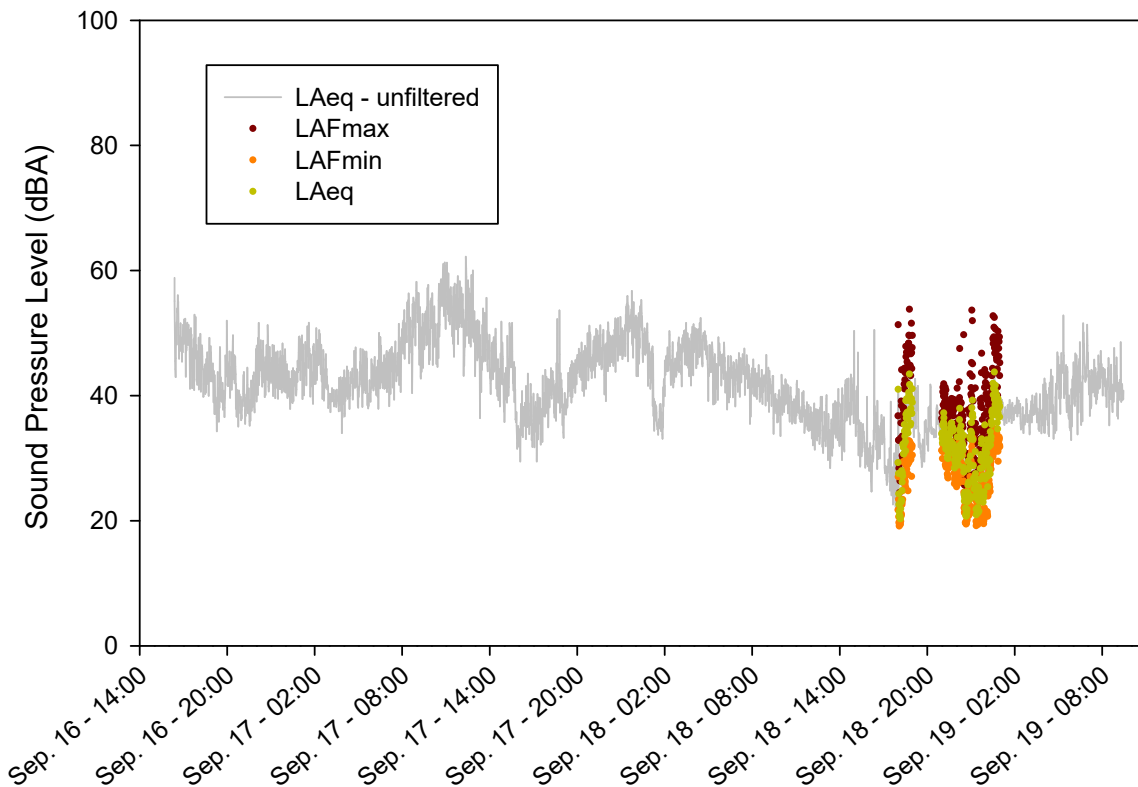


Figure 15. One-minute L_{eq} , L_{max} and L_{min} values recorded at monitoring station R10 at the Meadowbank site during monitoring event 1. Filtered data excludes those measurements taken outside of optimal conditions (set-up, wind > 4.17 m/s, RH > 90%).

3.11 R11

One-minute filtered and unfiltered L_{eq} values, maximum sound levels (L_{max}), and minimum sound levels (L_{min}) for the monitoring event at R11 are shown in Figure 16.

Weather data for noise monitoring dates is provided in Appendix C. This monitoring event lasted for 16 h, and 10 h of data were usable.

Audible noises noted in the field log for this location were helicopter sounds.

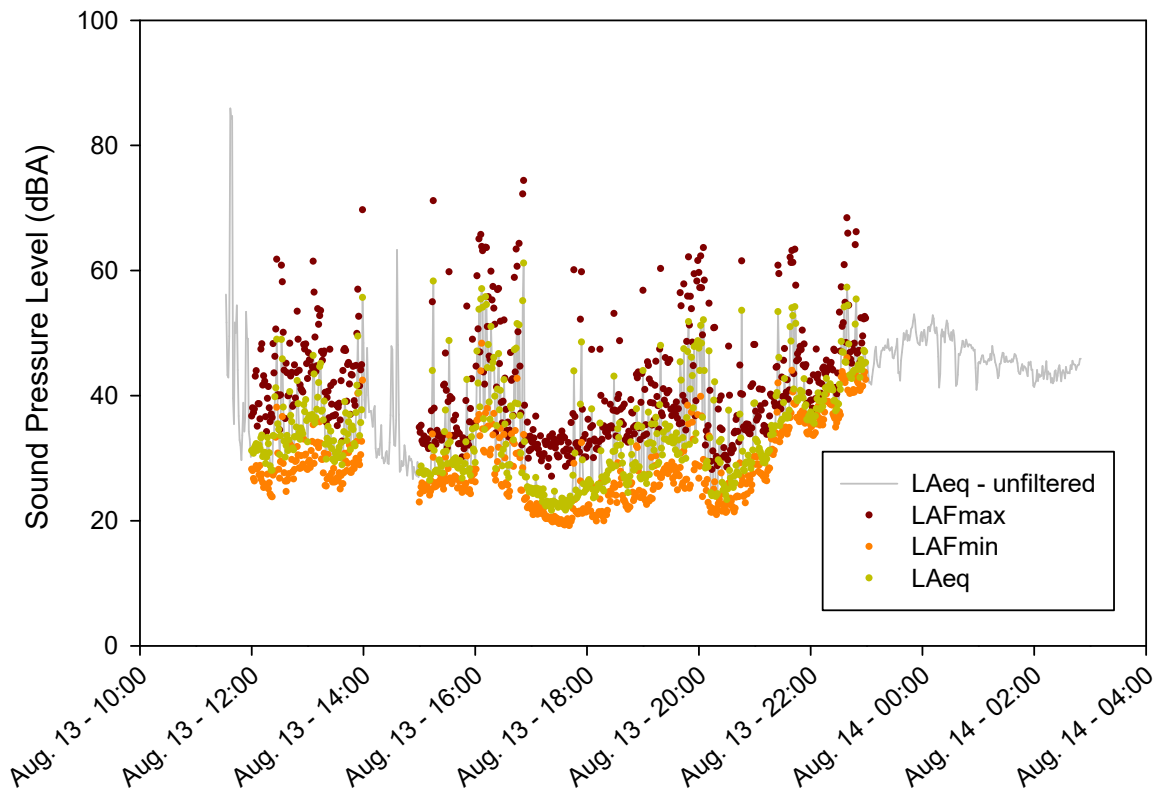


Figure 16. One-minute L_{eq} , L_{max} and L_{min} values recorded at monitoring station R11 at the Meadowbank site during monitoring event 1. Filtered data excludes those measurements taken outside of optimal conditions (set-up, wind > 4.17 m/s, RH > 90%).

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), 10pm-11pm, and 24 h time periods as in previous years, based on Health Canada recommendations (as described in the initial noise monitoring report - Golder, 2012). These L_{eq} values and the total hours of filtered data available for the calculations are shown in Table 3. 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. Time periods for which insufficient data was available or monitoring was not conducted (R6 only) are indicated with a dash (“-”).

The daytime target sound level (55 dBA) and nighttime target sound level (45 dBA) were exceeded during one monitoring event at R4 (July 2 – 5). An examination of the data indicated that elevated sound levels were consistent throughout the monitoring period, and not due to isolated peaks. No specific noise sources could be identified through recordings. However, the elevated noise levels were not sustained, as targets were not exceeded during the second monitoring event (July 23 – 25).

Table 3. Daytime, night-time, 10-11 pm, and 24-h L_{eq} values for monitoring locations R1 – R11, and number of hours for the corresponding time period for which valid data was available (# hours). Day- and night-time periods with fewer than 3 hours of valid data are excluded (-), and those exceeding corresponding target sound levels are shaded grey. Noise levels at R6 were not assessed in 2018.

Site	Dates (2018)	L _{eq, day} 7am-11pm (dBA)	# hours	L _{eq, night} 11pm-7am (dBA)	# hours	L _{eq, 1 h} 10-11pm (dBA)	L _{eq, 24 h} (dBA)	# hours
R1	Jun 27 - 29	37.7	13	36.0	8	-	37.2	21
	Jul 18 - 20	45.2	14	38.0	10	29.9	43.4	24
R2	Jun 29 - Jul 2	42.0	32	35.1	13	38.0	40.7	45
	Jul 23 - 25	36.3	7	38.3	10	-	37.5	17
R3	Jul 9 - 12	36.2	26	41.6	19	37.8	38.8	45
R4	Jul 2 - 5	58.9	20	48.5	16	55.1	57.3	36
	Jul 25 - 27	34.8	16	39.8	6	33.3	36.7	22
R5	Jul 5 - 7	-	0	26.1	4	-	26.1	4
	Jul 16 - 18	49.5	10	31.4	8	29.2	47.0	18
R6	-	-	-	-	-	-	-	-
R7	Aug 25 - Sept 2	28.8	39	31.1	19	31.8	29.7	58
R8	Jul 30 - Aug 2	-	2	32.8	9	28.9	35.4	11
R9	Aug 3 - 7	40.2	10	39.0	8	24.9	39.7	18
R10	Sept 16 - 19	33.9	3	-	2	30.7	34.4	5
R11	Aug 13	43.2	10	-	0	46.4	43.2	10

4.2 HISTORICAL COMPARISON

L_{eq} measurements for all valid time periods from 2009 - 2018 are shown in Figure 17 for monitoring stations R1 – R5. A historical comparison will begin in 2019 for R6 – R11 after two years of monitoring have occurred. For all sites except R4, measurements were well within or below the range of historical value. Sound levels during the first monitoring event at R4 (July 2 – 5) were elevated compared to previous years, and exceeded target sound levels for the first time. However, R4 L_{eq} values were within the range of those observed historically site-wide, and were not elevated during the second monitoring event. Therefore overall, onsite sound levels do not appear to be increasing.

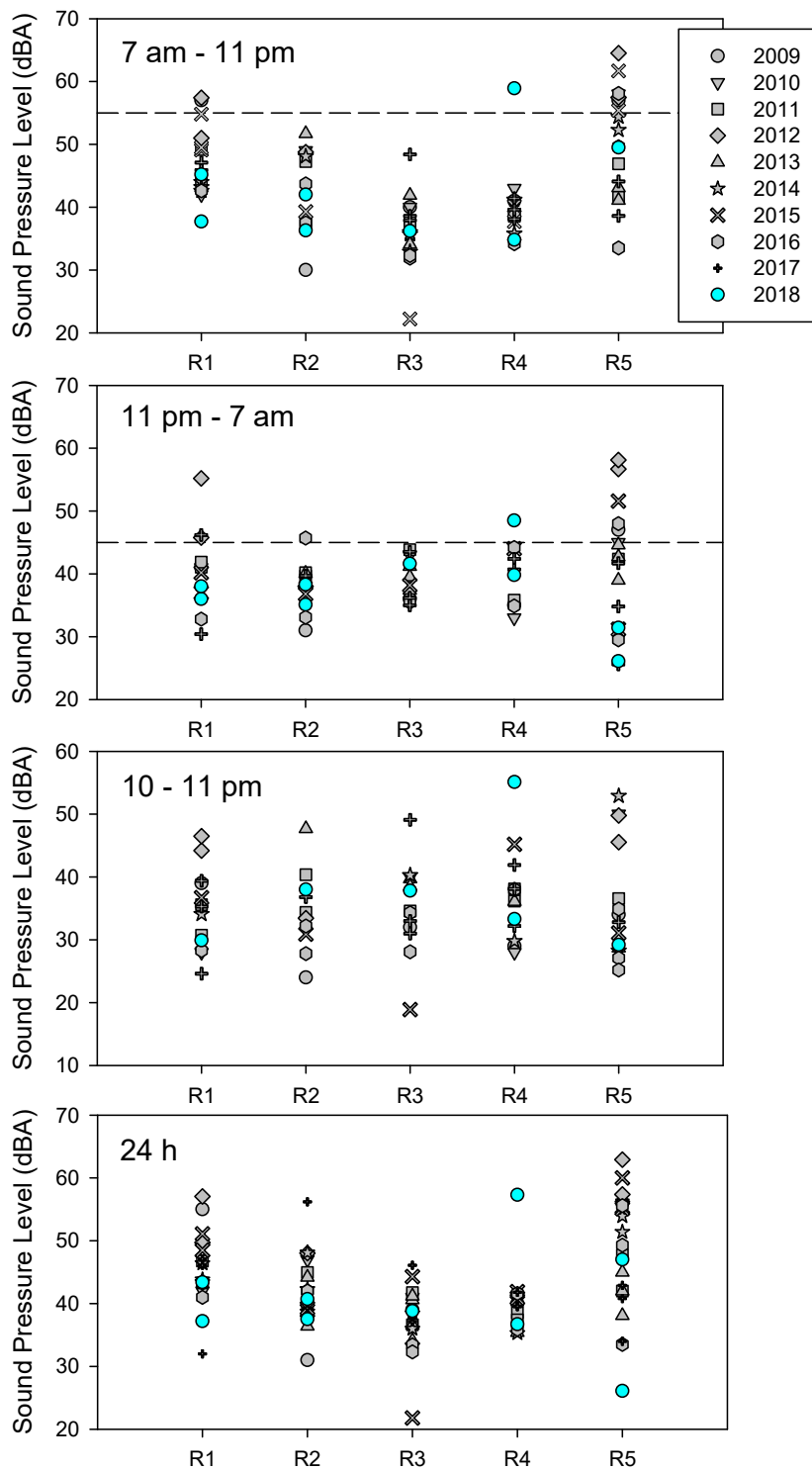


Figure 17. L_{eq} values calculated from filtered data for various time periods at locations R1 – R5 on the Meadowbank site in surveys from 2009 - 2018. Dashed lines indicate target sound levels (day-time and night-time only).

4.3 COMPARISON TO FEIS PREDICTIONS

For all monitoring stations, results are compared to predictions made in the Project FEIS documents (Cumberland, 2006; Golder, 2016). Predictions for Whale Tail pit sites (R6 – R11) have been adjusted to include contributions from background sound levels (30 dBA), as measured in the impact assessment for that project (Golder, 2016). For the initial EIS (sites R1 – R5; Cumberland, 2005), contribution of background noise levels was determined to be negligible. In 2016, a review of the original impact assessment methodology was performed, and it was determined that assumptions of the 2006 noise model with respect to site activities remain valid (2016 Annual Report, Section 12.3.2). For the purposes of the impact assessments, noise levels were assumed constant throughout the day, so predicted values apply equally to all time periods.

For all sites and monitoring dates with available data, values measured in 2018 were lower than those predicted in the FEIS documents, except one datapoint for R5. For this station, FEIS predictions assumed that all one-hour L_{eq} values would not exceed 57 dBA. In 2018, this prediction was exceeded for one of the 22 monitored hours, with an L_{eq} of 58 dBA (4-5pm hour, July 16). The dataset was reviewed, and sound levels were generally well below 57 dBA during the monitoring period (L_{eq} daytime of 49.5 dBA; Table 3). Within the 4-5pm hour, two peaks above the predicted hourly L_{eq} value occurred, lasting a total of 6 minutes. It is possible these were due to animal interference or a helicopter fly-over. Since the exceedance only occurred for one of twenty-two time-points and was not audibly different from the predicted value (<3 dBA difference), the event was not investigated further.

Table 4. Comparison of 2018 measured sound levels with those predicted in FEIS documents (Cumberland, 2005; Golder, 2016). *Values interpreted from noise level contour plots. **For the R5 location (all-weather access road), predictions were made regarding the maximum 1-hr L_{eq} value only.

Site	Dates (2018)	FEIS Predicted Value (dBA)*	2018 Measured Value	
			L_{eq} , day 7am-11pm (dBA)	L_{eq} , night 11pm-7am (dBA)
R1	Jun 27 - 29 Jul 18 - 20	58-63	37.7 45.2	36.0 38.0
R2	Jun 29 - Jul 2 Jul 23 - 25	58-63	42.0 36.3	35.1 38.3
R3	Jul 9 - 12	49-53	36.2	41.6
R4	Jul 2 - 5 Jul 25 - 27	58-63	58.9 34.8	48.5 39.8
R5	Jul 5 - 7 Jul 16 - 18	1 hr $L_{eqs} < 57^{**}$	All <57 1 @ 58	All <57 All <57
R6	-	45.97 – 50.33	-	-
R7	Aug 25 - Sept 2	45.14 – 50.04	28.8	31.1
R8	Jul 30 - Aug 2	40.41 – 45.14	-	32.8
R9	Aug 3 - 7	36.19 – 40.41	40.2	39.0
R10	Sept 16 - 19	45.14 – 50.04	33.9	-
R11	Aug 13	45.14 – 50.04	43.2	-

SECTION 5 • CONCLUSION

The objective of the noise monitoring program at Meadowbank is to measure noise levels at eleven previously determined monitoring locations over at least two 24 h periods. Agnico Eagle plans 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 2018, one monitoring event was planned for each new station at the Whale Tail site (R6 – R11), since construction began mid-way through the summer season. Due to the addition of these sites and scheduling difficulties, only one successful monitoring event was completed for R3, and no monitoring was completed at R6.

Following removal of datapoints obtained under sub-optimal weather conditions, between 5 and 58 hours of data were available for each station, with at least one valid measurement for each Health Canada monitoring period (daytime, night-time, 10-11 pm, 24 h) for most locations.

Target sound levels (55 dBA daytime, 45 dBA night-time) were met for all sites except R4, where both targets were exceeded during one of the two monitoring events. Although no specific sources could be identified on sound recordings, elevated sound levels at this location do not appear to be a trend, since targets were not exceeded during the second monitoring event.

A comparison to FEIS predictions was performed, and all measured values were within predictions, with the exception of one hourly datapoint for R5. However, the exceedance was less than 3 dBA (i.e. not audibly different), and design target sound levels were met for this site.

Overall, target sound levels and FEIS impact predictions were each exceeded on only one occasion for one monitoring site during peak traffic season. 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.

Impacts of sensory disturbance on wildlife are determined through the Terrestrial Ecosystem Monitoring Plan (TEMP), and reported annually in the Wildlife Summary Report. While sensory disturbance of caribou in excess of impact predictions was identified in that report in 2018, the contribution of noise to sensory disturbance cannot realistically be isolated. However, supplemental monitoring under the recently updated TEMP (December, 2018) will specifically aim to quantify the response of caribou to blasts in 2019.

SECTION 6 • ACTIONS

The following monitoring actions were identified for 2018, with Agnico's response below:

- Daytime L_{eq} values at R3 will be examined to determine if there is a trend towards increased noise levels at that site.
 - See Section 4.2. No trends towards increasing noise levels at R3 were observed.

No specific actions for supplemental adaptive monitoring or management are planned for 2019.

SECTION 7 • REFERENCES

AEM, 2013. Noise Monitoring and Abatement Plan, Meadowbank Gold Project. Version 2. Prepared by Agnico Eagle Mines Ltd. January, 2014.

AEM, 2009. Noise Management and Abatement Plan. Meadowbank Gold Project. Version 1. Prepared by Agnico Eagle Mines Ltd. September, 2009.

Cumberland, 2006. Terrestrial Ecosystem Management Plan. Meadowbank Gold Project. Cumberland Resources Ltd. December, 2006.

Cumberland, 2005. Access and Air Traffic Management Plan. Meadowbank Gold Project. Cumberland Resources Ltd. October, 2005.

ERCB, 2007. Noise Control Directive 038. Alberta Energy Resources Conservation Board. Calgary, Alberta.

Golder Associates (Golder), 2012. 2011 Noise Monitoring, Meadowbank Division, Nunavut. Prepared for Agnico-Eagle Mines Ltd. February, 2012.

APPENDIX A

Site Photos

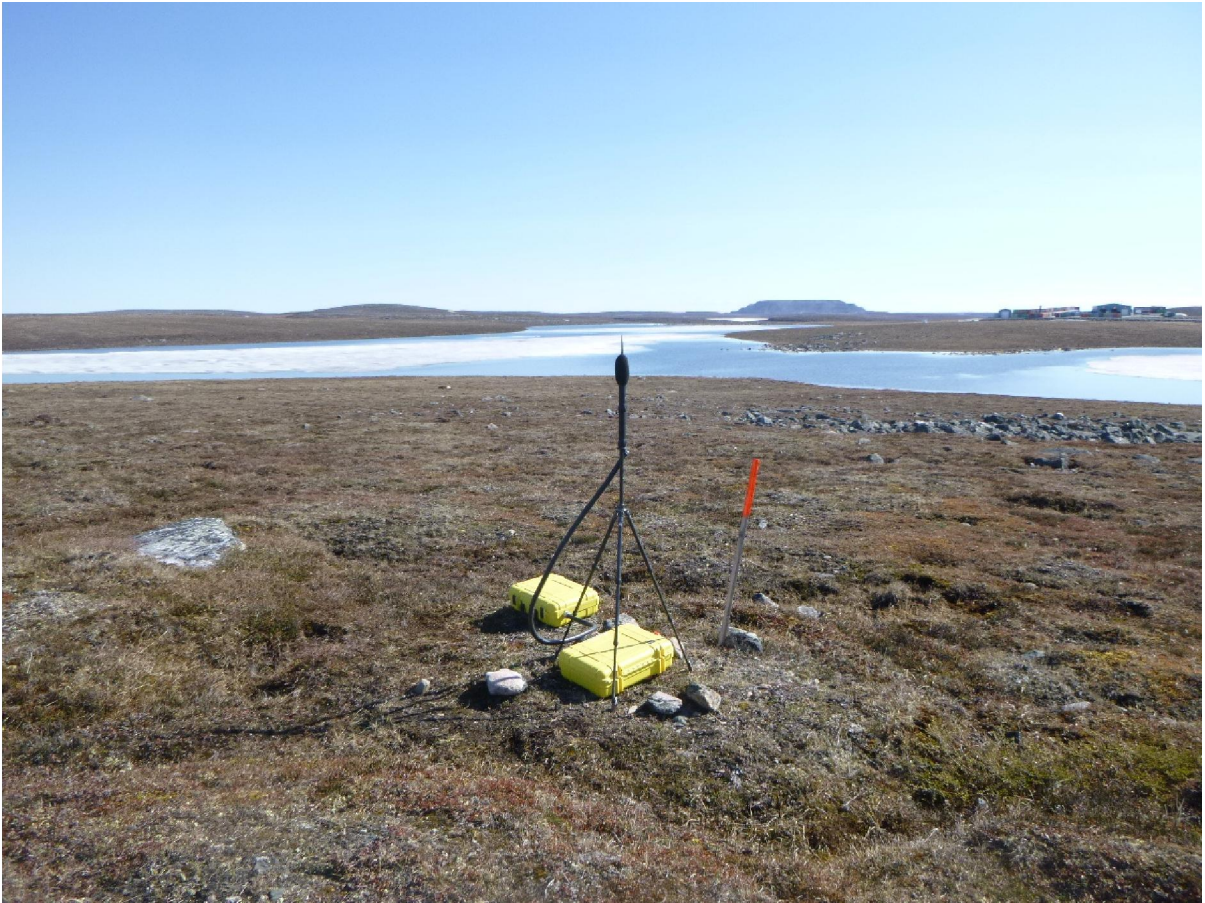


Figure -ApX 1: Monitoring location R1 (June 27, 2018).

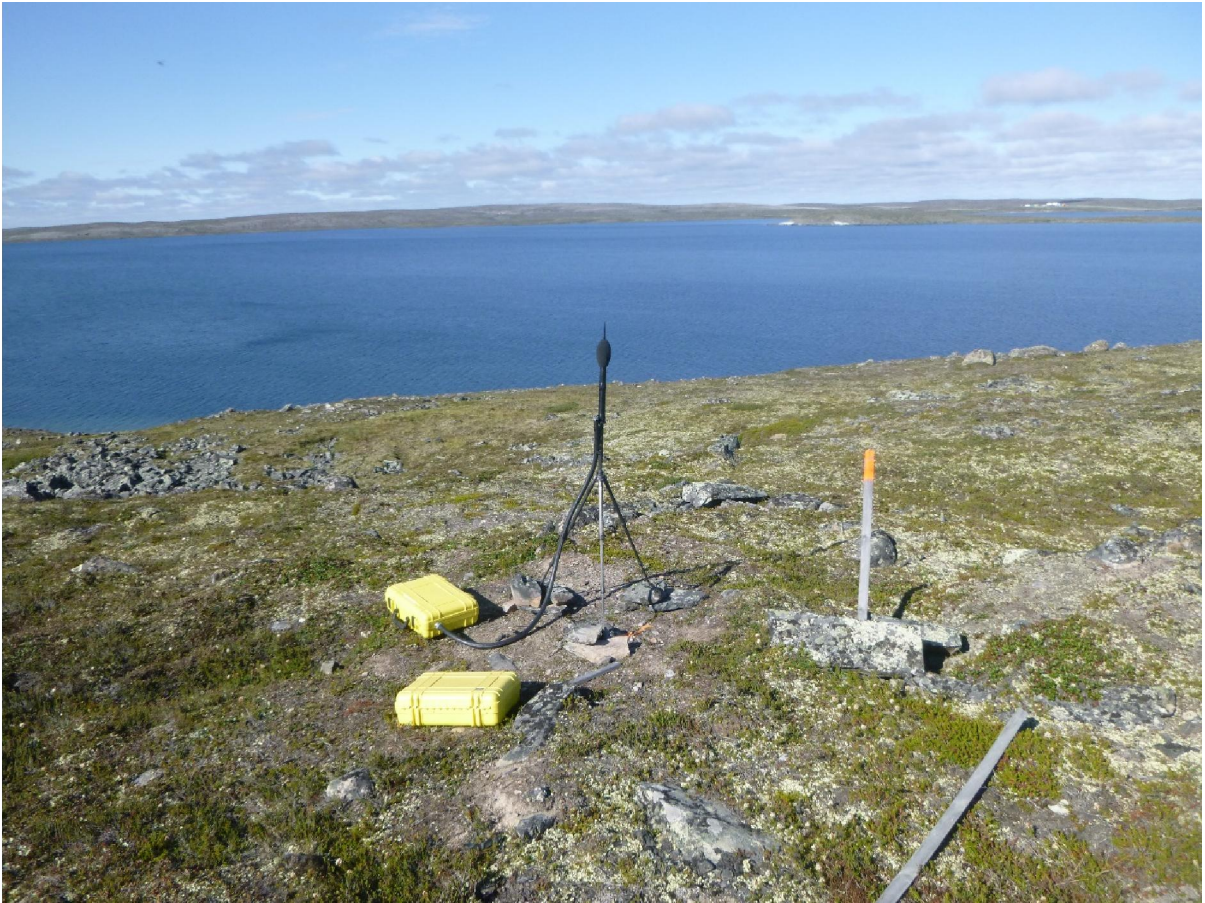


Figure -ApX 2: Monitoring location R2 (July 21, 2018).

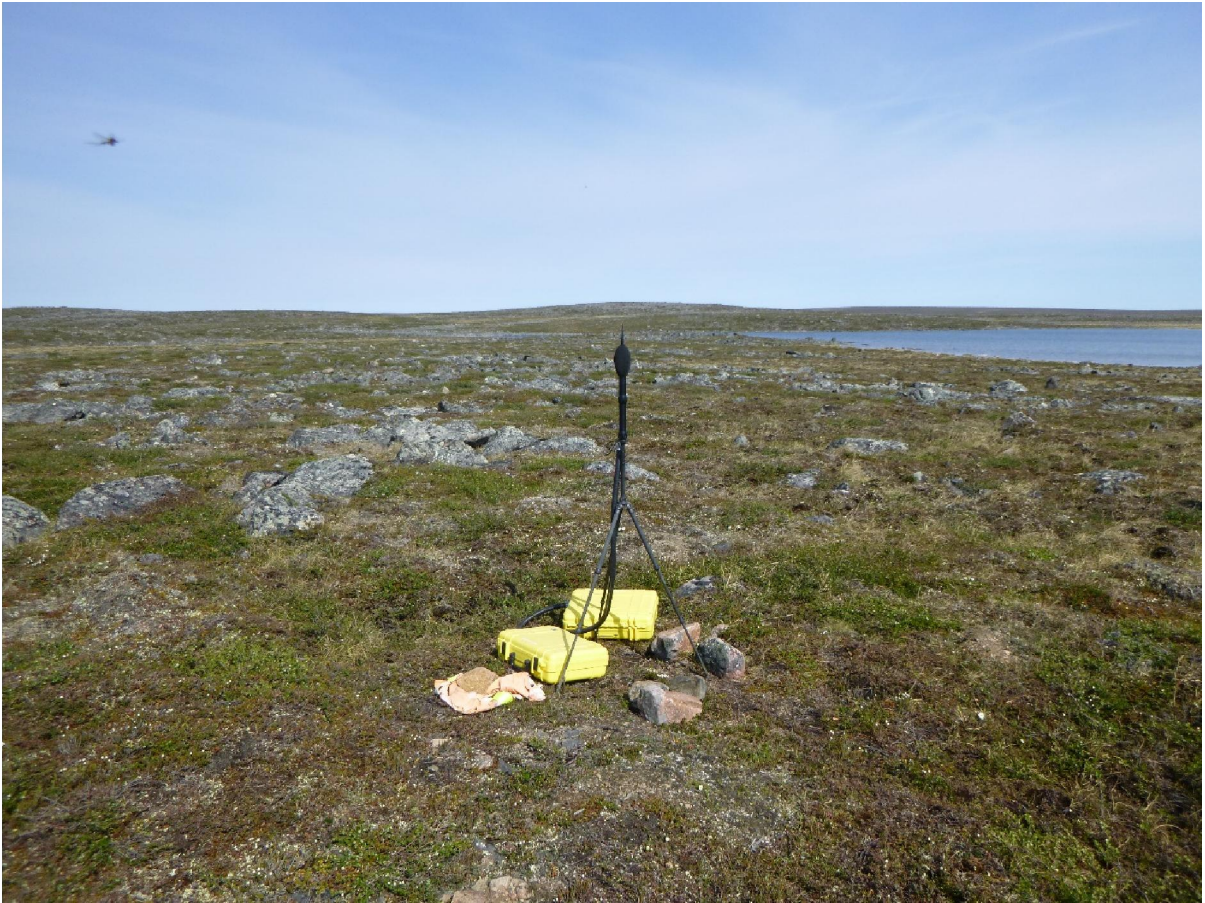


Figure -ApX 3: Monitoring location R3 (July 9, 2018).

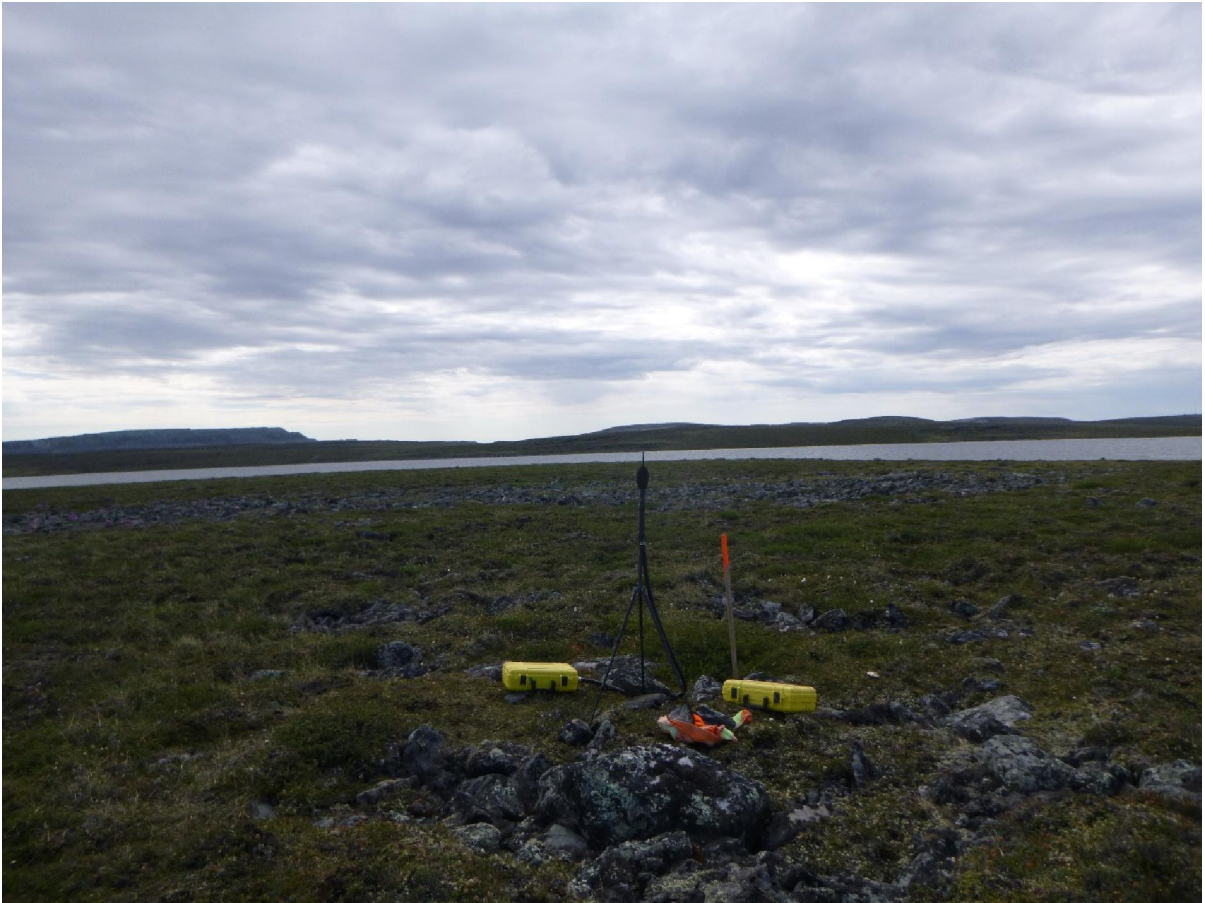


Figure -ApX 4: Monitoring location R4 (July 25, 2018).

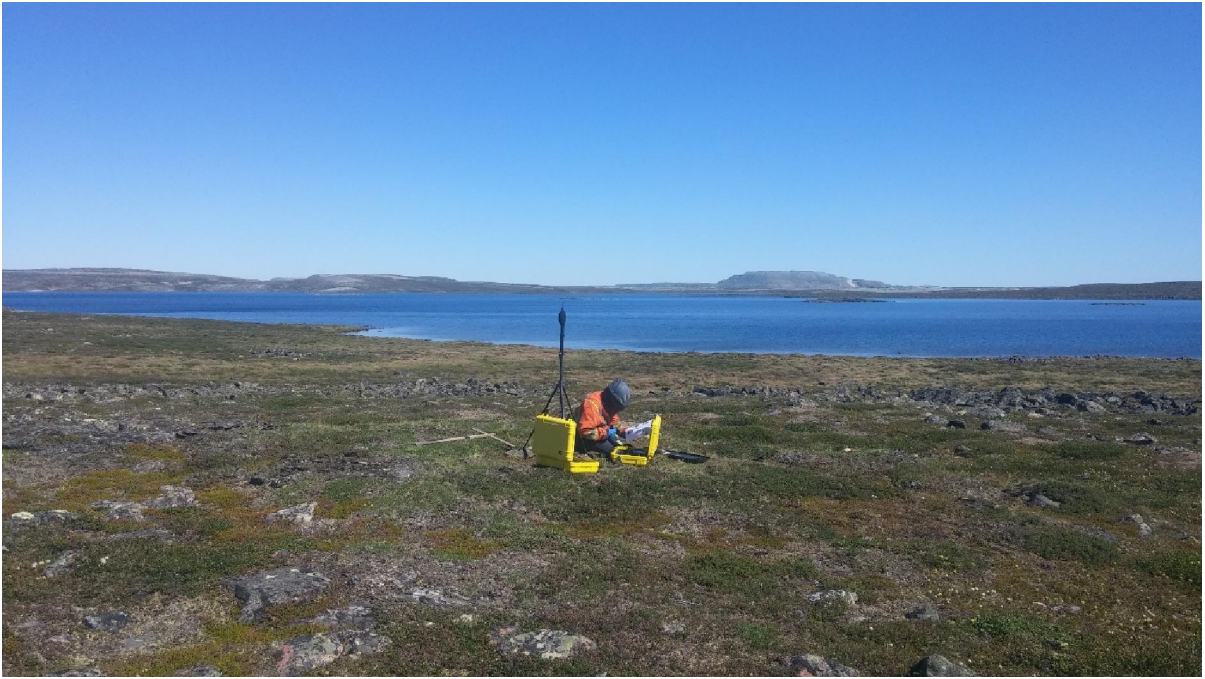


Figure -Apx 5: Monitoring location R5 (July 16, 2018).

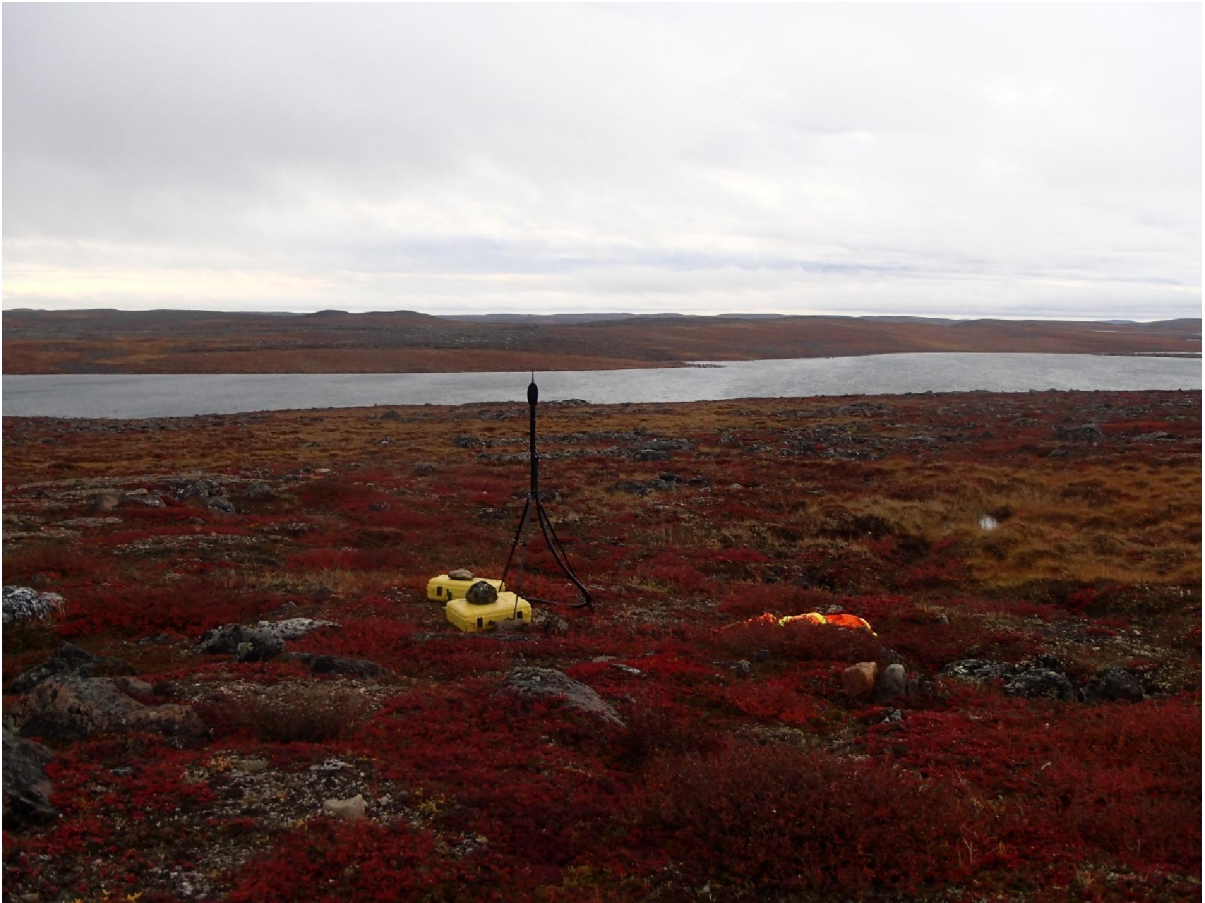


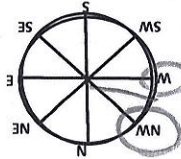
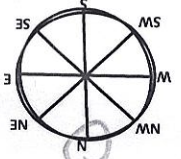
Figure -Apx 6: Monitoring location R7 (September 2, 2018).



Figure -Apx 7: Monitoring location R10 (August 8, 2018).

APPENDIX B

Field Logs

MONITORING STARTS	
Operator: <u>Fang L. Lawrence A.</u>	Location: <u>R4</u>
Date: <u>2018/07/25</u>	Noise Meter Start Time: <u>14:30</u>
Calibration complete?: <u>Y</u>	Sensitivity: <u>46.41</u>
Deviation: <u>0.36</u>	Time of Calibration: <u>14H25</u>
Battery Power Check: <u>YES</u>	Check available disk memory (Y/N): <u>Y</u>
Photographs of Setup (Y/N): <u>YES</u>	Photographs of Surrounding (Y/N): <u>Y</u>
Cloud cover: <u>cloudy</u>	<u>partly cloudy</u>
Height of cloud (feet): <u>0-10,000</u>	<u>10,000-25,000</u>
Air Temperature (C): <u>18.9.C</u>	Wind Speed (km/hr): <u>14km / 16.2 mph</u>
Wind Direction: <u>W/N-W</u>	
North wind (wind blows from North)	
Barometric Pressure (kPa): <u>none</u>	Relative Humidity (%): <u>43.9</u>
Precipitation: <u>none</u>	
GENERAL SITE DESCRIPTION	
GPS Location	Latitude: <u>14W 0639441</u> Longitude: <u>7218750</u> Altitude:
Type of Ground Surface:	
Acoustic Environment:	
Traffic:	
Human activities:	
Animal:	
Other noise sources:	<u>Helicopters & Explo Drilling @ 6.2km</u>
MONITORING ENDS	
Operator: <u>R2-HBA</u>	Total Monitoring Period:
Date: <u>2018/07/27</u>	Noise Meter End Time: <u>8:50</u>
Calibration complete?: <u>Y</u>	Sensitivity: <u>46.29</u>
Deviation: <u>-0.02</u>	Time of Calibration: <u>8H50</u>
Cloud cover: <u>cloudy</u>	<u>partly cloudy</u>
Height of cloud (feet): <u>0-10,000</u>	<u>10,000-25,000</u>
Air Temperature (C): <u>18.2</u>	Wind Speed (km/hr): <u>25 Max 117</u>
Wind Direction:	
North wind (wind blows from North)	
Barometric Pressure (kPa):	Relative Humidity (%): <u>68.2</u>
Precipitation: <u>none</u>	<u>drizzle</u>
Comments:	

MONITORING STARTS	
Operator: MBA, VHOR	Date: 2018/07/05
Calibration complete?: Y	Deviation: 0.00
Battery Power Check: Y	Check available disk memory (Y/N): Y
Photographs of Setup (Y/N): N	Photographs of Surrounding (Y/N): N
Cloud cover: <u>cloudy</u>	Height of cloud (feet): 0-10,000
Air Temperature (C):	Wind Speed (km/hr):
Wind Direction: MAX 15.3 AVG 6.5	North wind (wind blows from North)
Barometric Pressure (kPa):	Relative Humidity (%): 57.3
Precipitation: <u>none</u>	rain
GENERAL SITE DESCRIPTION	
GPS Location: 14W 0633786	Latitude: 7214503
Altitude: 137 m	Longitude: 7214503
Type of Ground Surface:	Acoustic Environment:
Traffic	Human activities
AWAR	Exploration pad - Helicopter
Other noise sources:	Animal
MONITORING ENDS	
Total Monitoring Period: 44 hrs	Date: 2018/07/07
Noise Meter End Time: 10:33	Calibration complete?: Yes
Sensitivity: 45.09	Deviation: -0.05
Time of Calibration: 2018-07-09 15:25	Cloud cover: <u>cloudy</u>
partly cloudy	Height of cloud (feet): 0-10,000
25,000 +	Air Temperature (C): 9.1
Wind Speed (km/hr):	Wind Direction: MAX 20.2 AVG 7.7
North wind (wind blows from North)	Barometric Pressure (kPa):
Relative Humidity (%): 87.7	Precipitation: <u>drizzle</u>
rain	Comments: It was raining a lot the night before.

MONITORING STARTS

Operator: <u>Laurence Archambault</u>		Location: <u>RS expo</u>	
Date: <u>2018/07/16</u>		Noise Meter Start Time: <u>14h06</u>	
Calibration complete?: <u>Y</u>		Sensitivity: <u>93.63</u>	
Deviation: <u>0,02 DB</u>		Time of Calibration: <u>11h40</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</u>		Wind Speed (km/hr): <u>mean 3.1 max 5.7</u>	
Wind Direction:			
North wind (wind blows from North)			
Barometric Pressure (kPa):		Relative Humidity (%) <u>30.2</u>	
Precipitation: <u>none</u> drizzle rain			

GENERAL SITE DESCRIPTION

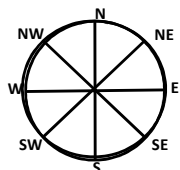
GPS Location	Latitude	Longitude	Altitude
	<u>14 W 0633767</u>	<u>7214602</u>	
Type of Ground Surface:			
Acoustic Environment:			
<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Human activities <input checked="" type="checkbox"/> Animal <input type="checkbox"/> Other noise sources <u>plane chopper</u>			

MONITORING ENDS

Operator: <u>Laurence Archambault</u>		Total Monitoring Period	
Date: <u>2018/07/18</u>		Noise Meter End Time: <u>14h30</u>	
Calibration complete?: <u>Y</u>		Sensitivity: <u>45.26 mV/1Pa</u>	
Deviation: <u>0.02 dB</u>		Time of Calibration: <u>14h56</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>17.2</u>		Wind Speed (km/hr): <u>13.8</u>	
Wind Direction:			
North wind (wind blows from North)			
Barometric Pressure (kPa):		Relative Humidity (%) <u>53.2</u>	
Precipitation: <u>none</u> drizzle rain			

Comments: carte SD R3

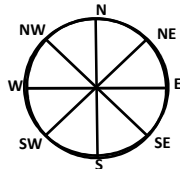
MONITORING STARTS

Operator:	NS/KM	Location:	R7
Date:	8/25/18	Noise Meter Start Time:	18:43
Calibration complete?: Yes		Sensitivity:	45.61
Deviation: 0.00		Time of Calibration:	18:19
Battery Power Check: Y		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):		Wind Speed (km/hr):	
Wind Direction:	North		
North wind (wind blows from North)	Avg. 10.1 km/hr Max. 16.3		
Barometric Pressure (kPa):		Relative Humidity (%):	68.5
Precipitation:	none	drizzle	rain

GENERAL SITE DESCRIPTION

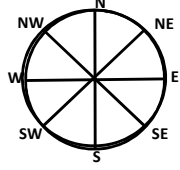
GPS Location	Latitude	Longitude	Altitude
	14W 0620194	7239038	
Type of Ground Surface:			
Acoustic Environment:			
Traffic	Helicopter		
Human activities			
Animal	Wildlife		
Other noise sources			

MONITORING ENDS

Operator:	TT/CML	Total Monitoring Period:	
Date:	9/02/18	Noise Meter End Time:	9:00
Calibration complete?:	No	Sensitivity:	
Deviation		Time of Calibration:	
Cloud cover:	cloudy	partly cloudy	sunny
Height of cloud (feet):	0-10,000	10,000-25,000	25,000 +
Air Temperature (C):	7.6	Wind Speed (km/hr):	14.4km
Wind Direction:	S/SE		
North wind (wind blows from North)	Avg. 14.4 Max 19.1		
Barometric Pressure (kPa):		Relative Humidity (%):	86.6
Precipitation:	none	drizzle	rain

Comments: Battery was dead on arrival

MONITORING STARTS

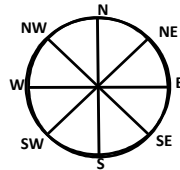
Operator: RA, NS, KM		Location: R8	
Date: 2018-07-30		Noise Meter Start Time: 15:30	
Calibration complete?: Y		Sensitivity: 46.90	
Deviation: 0.03		Time of Calibration: 15:15	
Battery Power Check: Y		Check available disk memory (Y/N) Yes	
Photographs of Setup (Y/N) Yes		Photographs of Surrounding (Y/N) Yes	
Cloud cover:	cloudy	partly cloudy	sunny
Height of cloud (feet):	0-10,000	10,000-25,000	25,000 +
Air Temperature (C): 6.7 c		Wind Speed (km/hr): 25 km/hr	
Wind Direction: North wind (wind blows from North)	NW		

Barometric Pressure (kPa):		Relative Humidity (%)	
Precipitation:	none	drizzle	rain

GENERAL SITE DESCRIPTION

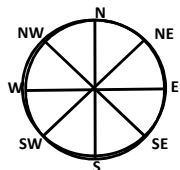
GPS Location	Latitude	Longitude	Altitude
	14W 0610616	7256849	
Type of Ground Surface: Acoustic Environment:			
Traffic	AMQ Road		
Human activities			
Animal	Wildlife		
Other noise sources			

MONITORING ENDS

Operator: TT, MJB, KM		Total Monitoring Period	
Date: 2018-08-02		Noise Meter End Time: 14:15	
Calibration complete?: Yes		Sensitivity: 45.37	
Deviation: -0.29		Time of Calibration: 17:45	
Cloud cover:	cloudy	partly cloudy	sunny
Height of cloud (feet):	0-10,000	10,000-25,000	25,000 +
Air Temperature (C): 9.5 c		Wind Speed (km/hr): 9.7 km/hr	
Wind Direction: North wind (wind blows from North)	NE Max: 19.8 Avg: 10.7		
Barometric Pressure (kPa):		Relative Humidity (%): 64.3	
Precipitation:	none	drizzle	rain

Comments: Original waypoint was in the middle of Esker 6. Location moved approximately 150m East of original waypoint

MONITORING STARTS

Operator: TT, MJB, KM		Location: R9	
Date: 2018-08-03		Noise Meter Start Time: 11:50	
Calibration complete?: Y		Sensitivity: 45:37	
Deviation: -0.29		Time of Calibration: 17:00	
Battery Power Check: Y		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): 10 c		Wind Speed (km/hr): 16 km/hr	
Wind Direction:	S/SE		
North wind (wind blows from North)	Max 31.7		
	Avg. 17.3		

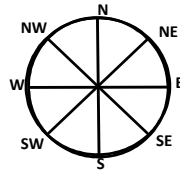
Barometric Pressure (kPa):		Relative Humidity (%) 63.7	
Precipitation:	none	drizzle	rain

GENERAL SITE DESCRIPTION

GPS Location	Latitude	Longitude	Altitude
	14W 0602470	7255956	157

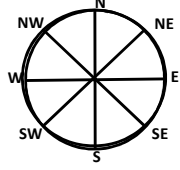
Type of Ground Surface:	
Acoustic Environment:	
Traffic	5km from Camp
Human activities	Helicopter
Animal	Wildlife
Other noise sources	

MONITORING ENDS

Operator: TT, MJB, MA		Total Monitoring Period	
Date: 2018-08-07		Noise Meter End Time: 15:20	
Calibration complete?: Yes		Sensitivity: 45.28	
Deviation: -0.02		Time of Calibration: 2018-08-08 9:35	
Cloud cover:	cloudy	partly cloudy	sunny
Height of cloud (feet):	0-10,000	10,000-25,000	25,000 +
Air Temperature (C): 12.7		Wind Speed (km/hr): 9.7 km/hr	
Wind Direction:	NE		
North wind (wind blows from North)	Max: 20.23		
	Avg: 10.8		
Barometric Pressure (kPa):		Relative Humidity (%): 76.9	
Precipitation:	none	drizzle	rain

Comments:

MONITORING STARTS

Operator: TT, MJB, KM		Location: R9	
Date: 2018-08-03		Noise Meter Start Time: 11:50	
Calibration complete?: Y		Sensitivity: 45:37	
Deviation: -0.29		Time of Calibration: 17:00	
Battery Power Check: Y		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): 10 c		Wind Speed (km/hr): 16 km/hr	
Wind Direction:	S/SE		
North wind (wind blows from North)	Max 31.7		
	Avg. 17.3		

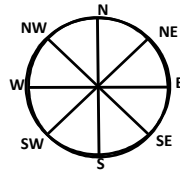
Barometric Pressure (kPa):		Relative Humidity (%) 63.7	
Precipitation:	none	drizzle	rain

GENERAL SITE DESCRIPTION

GPS Location	Latitude	Longitude	Altitude
	14W 0602470	7255956	157

Type of Ground Surface:	
Acoustic Environment:	
Traffic	5km from Camp
Human activities	Helicopter
Animal	Wildlife
Other noise sources	

MONITORING ENDS

Operator: TT, MJB, MA		Total Monitoring Period	
Date: 2018-08-07		Noise Meter End Time: 15:20	
Calibration complete?: Yes		Sensitivity: 45.28	
Deviation: -0.02		Time of Calibration: 2018-08-08 9:35	
Cloud cover:	cloudy	partly cloudy	sunny
Height of cloud (feet):	0-10,000	10,000-25,000	25,000 +
Air Temperature (C): 12.7		Wind Speed (km/hr): 9.7 km/hr	
Wind Direction:	NE		
North wind (wind blows from North)	Max: 20.23		
	Avg: 10.8		
Barometric Pressure (kPa):		Relative Humidity (%): 76.9	
Precipitation:	none	drizzle	rain

Comments:

MONITORING STARTS

Operator: NS Location: R-10
 Date: 2018-09-16 Noise Meter Start Time: 16:23
 Calibration complete?: Sensitivity: 45.82 mV/Pa
 Deviation: 0.04 dB Time of Calibration: 16:05
 Battery Power Check: 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): -0.5°C Wind Speed (km/hr): 23 Km/hr

Wind Direction:
 North wind (wind blows from North)



Barometric Pressure (kPa): Relative Humidity (%) 61.5
 Precipitation: none drizzle light snow rain

GENERAL SITE DESCRIPTION

GPS Location	Latitude	Longitude	Altitude

Type of Ground Surface:
 Acoustic Environment:
 Traffic
 Human activities
 Animal
 Other noise sources helicopter

MONITORING ENDS

Operator: NS Total Monitoring Period
 Date: 2018-09-19 Noise Meter End Time:
 Calibration complete?: Sensitivity:
 Deviation: Time of Calibration:

Cloud cover: cloudy partly cloudy sunny
 Height of cloud (feet): 0-10,000 10,000-25,000 25,000 +

Air Temperature (C): -1.0°C Wind Speed (km/hr): 9 Km/hr

Wind Direction:
 North wind (wind blows from North)



Barometric Pressure (kPa): Relative Humidity (%) 66.4
 Precipitation: none drizzle rain

Comments: Battery dead, meter not running

MONITORING STARTS

Operator: <u>TT. MSB</u>	Location: <u>R11</u>
Date: <u>2018-08-13</u>	Noise Meter Start Time: <u>11:25</u>
Calibration complete?: <u>Yes</u>	Sensitivity: <u>45.27</u>
Deviation: <u>0.00</u>	Time of Calibration: <u>2018-08-13 9:30</u>
Battery Power Check: <u>Yes</u>	Check available disk memory (Y/N) <u>Yes</u>
Photographs of Setup (Y/N) <u>Yes</u>	Photographs of Surrounding (Y/N) <u>Yes</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>11.0</u>	Wind Speed (km/hr): <u>6.9 avg = 7.0 max = 10.7</u>
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Wind Direction:	
North wind (wind blows from North)	

Barometric Pressure (kPa): <u>---</u>	Relative Humidity (%) <u>69.6</u>
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Precipitation:	<u>none</u>	drizzle	rain
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GENERAL SITE DESCRIPTION

GPS Location	Latitude	Longitude	Altitude
	<u>0608708</u>	<u>7257040</u>	<u>184m</u>

Type of Ground Surface:	
Acoustic Environment:	
Traffic	
Human activities	
Animal	
Other noise sources	<u>Helicopters</u>

MONITORING ENDS

Operator: <u>N. Saugier</u>	Total Monitoring Period
Date: <u>2018-08-20</u>	Noise Meter End Time:
Calibration complete?: <u>Yes</u>	Sensitivity: <u>45.28 mV/Pa</u>
Deviation: <u>0.02</u>	Time of Calibration: <u>2018-08-22 16:00</u>

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): <u>5.6</u>	Wind Speed (km/hr): <u>29</u>
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Wind Direction:	
North wind (wind blows from North)	

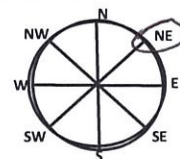
Barometric Pressure (kPa):	Relative Humidity (%) <u>79</u>
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Precipitation:	<u>none</u>	drizzle	rain
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Comments: <u>Meter off</u>

11


MONITORING STARTS

Operator: T.T & L.A	Location: R1
Date: 2018-06-27 9:30	Noise Meter Start Time: 9:42
Calibration complete?: Yes	Sensitivity: 45.49
Deviation: -1.02	Time of Calibration: 9:35
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 <u>sunny</u>
Height of cloud (feet): 0-10,000	10,000-25,000 <u>25,000+</u>
Air Temperature (C): 10.8	Wind Speed (km/hr): 3.7 may 2.7 Aug.
Wind Direction: North wind (wind blows from North)	
Barometric Pressure (kPa):	Relative Humidity (%) 49.8
Precipitation:	<u>none</u> drizzle rain

GENERAL SITE DESCRIPTION

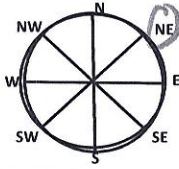
GPS Location	Latitude	Longitude	Altitude
	14W 0636151	7217333	
Type of Ground Surface: Acoustic Environment: Traffic Human activities Animal Other noise sources	AWR & Dyno Emulsion Camp Buds		

MONITORING ENDS

Operator: T.T, MBA, IC	Total Monitoring Period 47 hrs
Date: 2018-06-29	Noise Meter End Time: 8:30
Calibration complete?: Yes	Sensitivity: 45.72
Deviation 0.04	Time of Calibration: 9:05
Cloud cover: cloudy	<u>partly cloudy</u> <u>sunny</u>
Height of cloud (feet): 0-10,000	<u>10,000-25,000</u> 25,000+
Air Temperature (C): 7.00	Wind Speed (km/hr): 5.5 may 3.7 Aug.
Wind Direction: North wind (wind blows from North)	
Barometric Pressure (kPa):	Relative Humidity (%) 67.6
Precipitation:	<u>none</u> drizzle rain

Comments:

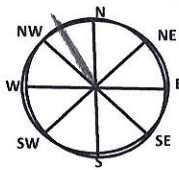
MONITORING STARTS

Operator: <i>Lawrence Ackemaault</i>	Location: <i>E/MK -R1</i>
Date: <i>2019-07-19</i>	Noise Meter Start Time: <i>15h31</i>
Calibration complete?: <i>Yes</i>	Sensitivity: <i>45.26 mV/Pa</i>
Deviation: <i>0.02 dB</i>	Time of Calibration: <i>14656</i>
Battery Power Check: <i>X</i>	Check available disk memory (Y/N) <input checked="" type="checkbox"/>
Photographs of Setup (Y/N) <i>Y</i>	Photographs of Surrounding (Y/N)
Cloud cover: <i>cloudy</i>	<i>partly cloudy</i> <input checked="" type="checkbox"/> <i>sunny</i>
Height of cloud (feet): <i>0-10,000</i>	<i>10,000-25,000</i> <input checked="" type="checkbox"/> <i>25,000+</i>
Air Temperature (C): <i>17.4</i>	Wind Speed (km/hr): <i>15.9</i>
Wind Direction: North wind (wind blows from North)	
Barometric Pressure (kPa):	Relative Humidity (%): <i>85.2</i>
Precipitation: <i>none</i> <input checked="" type="checkbox"/>	<i>drizzle</i> <input type="checkbox"/> <i>rain</i> <input type="checkbox"/>

GENERAL SITE DESCRIPTION

GPS Location	Latitude: <i>0636151</i>	Longitude: <i>7217333</i>	Altitude:
Type of Ground Surface:			
Acoustic Environment:			
<input checked="" type="checkbox"/> Traffic			
<input type="checkbox"/> Human activities			
<input checked="" type="checkbox"/> Animal			
Other noise sources: <i>plane chopper</i>			

MONITORING ENDS

Operator: <i>Martin Theriault / Isabelle Couture</i>	Total Monitoring Period: <i>46h 39 m.</i>
Date: <i>2018/07/20</i>	Noise Meter End Time: <i>14:10 pm</i>
Calibration complete?: <i>yes</i>	Sensitivity: <i>44.92</i>
Deviation: <i>-0.07</i>	Time of Calibration:
Cloud cover: <i>cloudy</i>	<i>partly cloudy</i> <input type="checkbox"/> <i>sunny</i> <input checked="" type="checkbox"/>
Height of cloud (feet): <i>0-10,000</i>	<i>10,000-25,000</i> <input type="checkbox"/> <i>25,000+</i> <input checked="" type="checkbox"/>
Air Temperature (C): <i>18.1</i>	Wind Speed (km/hr): <i>10.7 max 14.9 AVG 7.5</i>
Wind Direction: North wind (wind blows from North)	
Barometric Pressure (kPa):	Relative Humidity (%): <i>48.1</i> <i>0% C° 17.7</i>
Precipitation: <i>none</i> <input checked="" type="checkbox"/>	<i>drizzle</i> <input type="checkbox"/> <i>rain</i> <input type="checkbox"/>

Comments: *SD card R1*

MONITORING STARTS

Operator: T.T. MBA, I.C		Location: R2	
Date: 2017-06-29		Noise Meter Start Time: 9:15	
Calibration complete?: Yes		Sensitivity: 45.72	
Deviation: 0.04		Time of Calibration: 9:05	
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	
Height of cloud (feet): 0-10,000		10,000-25,000	
Air Temperature (C): 9.9°C		Wind Speed (km/hr):	
Wind Direction: North wind (wind blows from North)			
Barometric Pressure (kPa):		Relative Humidity (%) 63.9	
Precipitation: none		drizzle rain	

GENERAL SITE DESCRIPTION

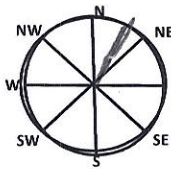
GPS Location	Latitude	Longitude	Altitude
	14W 063 795	7214435	
Type of Ground Surface:			
Acoustic Environment: Misc Equipment			
Traffic: Air Traffic			
Human activities: Birds			
Animal: Birds			
Other noise sources:			

MONITORING ENDS

Operator: T.T		Total Monitoring Period: 73 hrs	
Date: 2018-07-02		Noise Meter End Time: 10:40	
Calibration complete?: Yes		Sensitivity: 45.11	
Deviation: 0.04 -1.13		Time of Calibration: 13:00	
Cloud cover: cloudy		partly cloudy	
Height of cloud (feet): 0-10,000		10,000-25,000	
Air Temperature (C): 7.1°C		Wind Speed (km/hr):	
Wind Direction: North wind (wind blows from North)			
Barometric Pressure (kPa):		Relative Humidity (%) 63.7	
Precipitation: none		drizzle rain	

Comments:

MONITORING STARTS

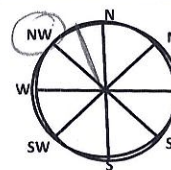
Operator: <u>Laurence Archambault / Isabelle Couture</u>		Location: <u>R2</u>	
Date: <u>July 21, 2018</u>		Noise Meter Start Time:	
Calibration complete?: <u>Yes</u>		Sensitivity: <u>45.17</u>	
Deviation: <u>0.05</u>		Time of Calibration: <u>9h45</u>	
Battery Power Check: <u>Yes</u>		Check available disk memory (Y/N)	
Photographs of Setup (Y/N)		Photographs of Surrounding (Y/N)	
Cloud cover:	<u>cloudy</u>	<u>partly cloudy</u>	<u>sunny</u>
Height of cloud (feet):	<u>0-10,000</u>	<u>0,000-25,000</u>	<u>25,000 +</u>
Air Temperature (C): <u>15.7</u>		Wind Speed (km/hr): <u>Max 9.2 AVG 5.5</u>	
Wind Direction: <u>North Est.</u>			
North wind (wind blows from North)			
Barometric Pressure (kPa):		Relative Humidity (%): <u>50.6</u>	
Precipitation:		<u>none</u>	<u>drizzle</u> <u>rain</u>

GENERAL SITE DESCRIPTION

GPS Location	Latitude	Longitude	Altitude

Type of Ground Surface:
 Acoustic Environment:
 Traffic: Air traffic
 Human activities: Equipment
 Animal: Birds
 Other noise sources: Mosquitos

MONITORING ENDS

Operator: <u>Isabelle Couture / Fanny Copre</u>		Total Monitoring Period	
Date: <u>2018/07/23</u>		Noise Meter End Time: <u>13:35</u>	
Calibration complete?: <u>Yes</u> <u>15H05</u>		Sensitivity: <u>45.72</u>	
Deviation: <u>0.11</u>		Time of Calibration: <u>15H05</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>16.9°C</u>		Wind Speed (km/hr): <u>4.3/4.8 MAX / 3.3 AV.</u>	
Wind Direction: <u>N / NW</u>			
North wind (wind blows from North)			
Barometric Pressure (kPa): <u>102.7</u>		Relative Humidity (%): <u>45.9</u>	
Precipitation:		<u>none</u>	<u>drizzle</u> <u>rain</u>

Comments: Battery was not connected properly - we will Reinstall today

MONITORING STARTS	
Operator: Fanny Laporte / Isabelle C.	
Location: R2	Date: July 23
Noise Meter Start Time: 3:05	Calibration complete?: YES
Sensitivity: 45.72	Deviation: 0.11
Time of Calibration: 3:05	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: NO
Height of cloud (feet): 0-10,000	Height of cloud (feet): NO
Air Temperature (C): 16.9	Wind Speed (km/hr): 4.3 4.8 max 3.3 AVG
Wind Direction: NO wind	Wind Direction: NO wind
North wind (wind blows from North)	Wind Direction: NO wind
Barometric Pressure (kPa):	Relative Humidity (%): 45.9
Precipitation: none	Precipitation: rain
GENERAL SITE DESCRIPTION	
GPS Location: 44° 36' 15" N, 72° 13' 33" W	Altitude:
Type of Ground Surface:	Acoustic Environment:
Human activities	Traffic
Animal	
Other noise sources	Hospitals
MONITORING ENDS	
Operator: Fanny Laporte / Laurence Archambault	
Date: 25/07/2018	Noise Meter End Time: 8:20
Calibration complete?: YES	Sensitivity: 44.53
Deviation: -0.23	Time of Calibration: 9H32
Cloud cover: cloudy	Cloud cover: partly cloudy
Height of cloud (feet): 0-10,000	Height of cloud (feet): 10,000-25,000
Air Temperature (C): 14.4	Wind Speed (km/hr): 15
Wind Direction:	Wind Direction:
North wind (wind blows from North)	Wind Direction:
Barometric Pressure (kPa): 101.6	Relative Humidity (%): 70.2
Precipitation: none	Precipitation: drizzle
Comments:	

MONITORING STARTS

Operator: <u>TT + J.K</u>		Location: <u>R3</u>	
Date: <u>2018-07-09 15:19</u>		Noise Meter Start Time: <u>15:35</u>	
Calibration complete?: <u>Yes</u>		Sensitivity: <u>45.09</u>	
Deviation: <u>-0.05</u>		Time of Calibration: <u>15:25</u>	
Battery Power Check: <u>Yes</u>		Check available disk memory: <u>(Y/N)</u>	
Photographs of Setup (Y/N): <u>(Y)</u>		Photographs of Surrounding (Y/N): <u>(Y)</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>19.4°C</u>		Wind Speed (km/hr):	
Wind Direction:	<u>Max 13.1</u>		
North wind (wind blows from North)	<u>Aug 3.3</u>		
Barometric Pressure (kPa):		Relative Humidity (%): <u>41.4</u>	
Precipitation: <u>none</u> drizzle rain			

GENERAL SITE DESCRIPTION

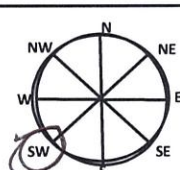
GPS Location	Latitude	Longitude	Altitude
	<u>14W 064111Z</u>	<u>7214424</u>	
Type of Ground Surface:			
Acoustic Environment:			
Traffic	<u>Vault, Air Traffic</u>		
Human activities	<u>Burds, Second Portage Lake</u>		
Animal			
Other noise sources			

MONITORING ENDS

Operator: <u>JK + VMO</u>		Total Monitoring Period: <u>65 hours</u>	
Date: <u>2018-07-12</u>		Noise Meter End Time: <u>9:00</u>	
Calibration complete?: <u>Yes</u>		Sensitivity: <u>45.26</u>	
Deviation: <u>-0.03</u>		Time of Calibration: <u>9:07</u>	
Cloud cover:	cloudy	partly cloudy	<u>sunny</u>
Height of cloud (feet):	0-10,000	10,000-25,000	25,000 +
Air Temperature (C): <u>20°C</u>		Wind Speed (km/hr): <u>7.9</u>	
Wind Direction:	<u>MAX 12</u>		
North wind (wind blows from North)	<u>AVG 7.2</u>		
Barometric Pressure (kPa):		Relative Humidity (%): <u>60.4</u>	
Precipitation: <u>none</u> drizzle rain			

Comments: thunder and lightning on the 11th of July, periods of rain


MONITORING STARTS

Operator: T.T, MBA	Location: R4	
Date: 2018-07-02	Noise Meter Start Time: 15:05	
Calibration complete?: Yes	Sensitivity: 45.11	
Deviation: ██████████ -1.13	Time of Calibration: 13:00	
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): 11.4	Wind Speed (km/hr):	
Wind Direction: North wind (wind blows from North)	Max. 20 Avg. 11.4	
Barometric Pressure (kPa):	Relative Humidity (%) 47.0	
Precipitation: none	drizzle	rain

GENERAL SITE DESCRIPTION

GPS Location	Latitude	Longitude	Altitude
	14W 0639441	7218750	
Type of Ground Surface:			
Acoustic Environment:	Turn Lake		
Traffic			
Human activities	Phaser/Vault Mine Activity		
Animal			
Other noise sources	Birds		

MONITORING ENDS

Operator: T.T, MBA	Total Monitoring Period: 66 hrs	
Date: 2018-07-05	Noise Meter End Time: 8:45	
Calibration complete?: Yes	Sensitivity: 45.32	
Deviation: 0.04	Time of Calibration: 10:08	
Cloud cover: cloudy	partly cloudy	sunny
Height of cloud (feet): 0-10,000	10,000-25,000	25,000 +
Air Temperature (C): 11.5	Wind Speed (km/hr):	
Wind Direction: North wind (wind blows from North)	Max 10.5 Avg. 4.3	
Barometric Pressure (kPa):	Relative Humidity (%) 59.5	
Precipitation: none	drizzle	rain

Comments:

APPENDIX C

Weather Data

Table-Apx 1: Average air temperature, relative humidity, and wind speed for the Meadowbank site weather station (used for analysis of monitoring stations R1 – R6).

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
6/27/18 9:00	9.08	54.8	0.90
6/27/18 10:00	9.71	52.4	2.05
6/27/18 11:00	10.61	51.0	2.92
6/27/18 12:00	11.10	49.8	3.32
6/27/18 13:00	11.73	48.9	3.33
6/27/18 14:00	12.50	47.8	3.31
6/27/18 15:00	13.09	46.4	3.63
6/27/18 16:00	13.58	43.0	3.65
6/27/18 17:00	13.76	43.7	3.55
6/27/18 18:00	13.91	44.1	3.77
6/27/18 19:00	13.78	43.1	4.37
6/27/18 20:00	13.65	41.8	3.89
6/27/18 21:00	13.28	44.3	3.99
6/27/18 22:00	12.57	46.6	4.33
6/27/18 23:00	11.68	45.8	4.22
6/28/18 0:00	10.81	57.5	3.82
6/28/18 1:00	9.21	58.6	2.74
6/28/18 2:00	7.80	70.7	2.21
6/28/18 3:00	6.06	69.0	0.60
6/28/18 4:00	6.22	72.8	0.85
6/28/18 5:00	6.51	87.0	4.18
6/28/18 6:00	5.27	95.4	6.07
6/28/18 7:00	4.31	91.5	6.80
6/28/18 8:00	4.94	80.9	5.63
6/28/18 9:00	6.14	76.6	5.63
6/28/18 10:00	6.23	80.6	6.77
6/28/18 11:00	6.82	67.9	6.37
6/28/18 12:00	8.37	60.1	6.42
6/28/18 13:00	9.24	50.9	6.54
6/28/18 14:00	10.00	47.1	6.38
6/28/18 15:00	10.45	45.0	6.32
6/28/18 16:00	11.04	45.1	6.02
6/28/18 17:00	11.01	45.8	6.38
6/28/18 18:00	11.01	44.8	6.46
6/28/18 19:00	10.87	44.5	5.92
6/28/18 20:00	10.71	44.9	5.83

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
6/28/18 21:00	10.32	47.1	5.98
6/28/18 22:00	9.68	53.1	5.62
6/28/18 23:00	8.86	58.1	4.97
6/29/18 0:00	7.62	66.3	4.95
6/29/18 1:00	6.00	71.9	5.00
6/29/18 2:00	5.05	73.5	5.00
6/29/18 3:00	4.72	76.6	4.90
6/29/18 4:00	4.05	79.9	3.70
6/29/18 5:00	4.00	81.3	3.29
6/29/18 6:00	4.24	80.4	3.31
6/29/18 7:00	5.08	78.9	3.76
6/29/18 8:00	6.07	75.1	3.40
6/29/18 9:00	6.97	67.1	2.88
6/29/18 10:00	7.61	62.6	1.79
6/29/18 11:00	8.64	55.1	1.72
6/29/18 12:00	9.33	49.3	1.77
6/29/18 13:00	10.16	46.2	1.70
6/29/18 14:00	10.16	41.9	3.05
6/29/18 15:00	11.06	41.2	1.91
6/29/18 16:00	11.81	37.5	1.62
6/29/18 17:00	12.58	39.6	1.89
6/29/18 18:00	12.30	40.5	2.16
6/29/18 19:00	12.60	40.7	1.29
6/29/18 20:00	11.97	40.3	1.40
6/29/18 21:00	11.99	39.9	1.81
6/29/18 22:00	11.89	39.5	2.20
6/29/18 23:00	11.40	40.8	1.95
6/30/18 0:00	9.69	56.0	1.44
6/30/18 1:00	7.25	57.9	0.43
6/30/18 2:00	6.36	61.5	0.98
6/30/18 3:00	6.03	65.1	0.88
6/30/18 4:00	5.88	72.4	0.90
6/30/18 5:00	5.10	77.0	1.25
6/30/18 6:00	5.32	73.7	1.59
6/30/18 7:00	7.33	60.9	1.58
6/30/18 8:00	9.11	56.2	1.82
6/30/18 9:00	10.75	49.9	2.53
6/30/18 10:00	12.30	45.1	3.27

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
6/30/18 11:00	13.14	46.4	3.51
6/30/18 12:00	13.86	44.7	3.11
6/30/18 13:00	14.84	43.0	3.41
6/30/18 14:00	15.45	42.8	3.82
6/30/18 15:00	15.88	40.0	4.58
6/30/18 16:00	16.68	39.4	3.95
6/30/18 17:00	16.96	40.0	3.92
6/30/18 18:00	16.78	36.6	4.02
6/30/18 19:00	17.46	36.7	3.16
6/30/18 20:00	17.86	35.0	2.72
6/30/18 21:00	16.58	40.2	2.80
6/30/18 22:00	14.71	53.2	1.65
6/30/18 23:00	12.72	56.8	4.01
7/01/18 0:00	10.60	68.7	6.41
7/01/18 1:00	8.64	76.5	4.78
7/01/18 2:00	7.64	79.4	5.06
7/01/18 3:00	6.72	80.0	5.21
7/01/18 4:00	7.61	78.3	6.10
7/01/18 5:00	7.21	83.2	5.10
7/01/18 6:00	7.86	80.9	2.94
7/01/18 7:00	7.43	85.3	5.66
7/01/18 8:00	7.58	79.5	4.98
7/01/18 9:00	9.30	71.1	3.72
7/01/18 10:00	12.07	60.8	3.56
7/01/18 11:00	13.66	54.1	3.98
7/01/18 12:00	14.11	53.0	5.02
7/01/18 13:00	14.66	52.4	6.27
7/01/18 14:00	14.64	46.1	6.43
7/01/18 15:00	15.19	44.9	6.93
7/01/18 16:00	14.91	43.1	5.71
7/01/18 17:00	15.08	44.7	4.96
7/01/18 18:00	15.90	52.7	2.45
7/01/18 19:00	14.81	59.8	5.61
7/01/18 20:00	13.66	59.9	6.41
7/01/18 21:00	12.42	69.1	6.65
7/01/18 22:00	11.23	71.1	5.73
7/01/18 23:00	10.70	67.4	3.98
7/02/18 0:00	10.37	69.4	3.37

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/02/18 1:00	9.60	72.8	3.14
7/02/18 2:00	7.85	77.8	5.75
7/02/18 3:00	6.83	80.4	5.89
7/02/18 4:00	6.01	81.1	6.31
7/02/18 5:00	5.66	79.6	6.79
7/02/18 6:00	5.15	79.5	6.46
7/02/18 7:00	5.40	77.0	6.14
7/02/18 8:00	5.95	73.6	6.70
7/02/18 9:00	6.22	76.2	6.68
7/02/18 10:00	6.25	71.4	6.88
7/02/18 11:00	7.23	64.3	6.59
7/02/18 12:00	8.02	57.2	5.65
7/02/18 13:00	8.51	51.7	5.21
7/02/18 14:00	9.44	49.1	5.36
7/02/18 15:00	10.37	48.7	6.23
7/02/18 16:00	10.83	41.7	6.66
7/02/18 17:00	11.07	42.6	6.80
7/02/18 18:00	11.29	43.6	6.57
7/02/18 19:00	11.16	47.1	6.75
7/02/18 20:00	10.91	43.3	6.57
7/02/18 21:00	10.83	46.8	6.39
7/02/18 22:00	10.00	53.1	6.17
7/02/18 23:00	8.54	60.2	5.26
7/03/18 0:00	6.99	66.9	5.11
7/03/18 1:00	5.87	71.6	5.19
7/03/18 2:00	5.23	78.4	4.94
7/03/18 3:00	4.50	84.8	4.92
7/03/18 4:00	3.98	89.8	5.27
7/03/18 5:00	3.63	93.2	4.21
7/03/18 6:00	3.78	92.0	3.67
7/03/18 7:00	3.81	93.5	4.45
7/03/18 8:00	4.33	84.4	4.10
7/03/18 9:00	6.19	74.7	4.36
7/03/18 10:00	7.50	63.2	5.26
7/03/18 11:00	8.93	57.8	4.88
7/03/18 12:00	10.16	50.6	4.55
7/03/18 13:00	11.21	48.3	4.83
7/03/18 14:00	12.07	43.0	4.44

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/03/18 15:00	12.33	42.7	5.52
7/03/18 16:00	13.02	44.5	6.07
7/03/18 17:00	13.04	46.1	6.43
7/03/18 18:00	12.87	40.9	6.34
7/03/18 19:00	13.23	40.7	6.71
7/03/18 20:00	12.83	42.1	5.67
7/03/18 21:00	13.09	42.2	5.14
7/03/18 22:00	13.14	49.1	3.78
7/03/18 23:00	13.08	51.3	2.63
7/04/18 0:00	11.79	57.1	1.94
7/04/18 1:00	8.06	73.0	0.65
7/04/18 2:00	7.28	76.4	0.29
7/04/18 3:00	6.90	74.0	0.11
7/04/18 4:00	5.74	78.1	0.33
7/04/18 5:00	6.81	71.8	0.10
7/04/18 6:00	8.70	64.4	0.96
7/04/18 7:00	9.28	65.8	0.03
7/04/18 8:00	11.19	57.7	0.54
7/04/18 9:00	12.60	48.8	0.72
7/04/18 10:00	12.96	45.3	0.99
7/04/18 11:00	13.83	40.7	1.07
7/04/18 12:00	14.31	40.1	2.43
7/04/18 13:00	14.78	37.8	2.50
7/04/18 14:00	15.50	37.0	1.28
7/04/18 15:00	14.95	41.2	1.73
7/04/18 16:00	14.48	47.5	2.64
7/04/18 17:00	14.58	39.6	2.30
7/04/18 18:00	14.33	42.7	3.14
7/04/18 19:00	14.81	39.2	2.40
7/04/18 20:00	15.34	36.0	2.20
7/04/18 21:00	15.05	38.3	2.50
7/04/18 22:00	14.03	50.8	1.98
7/04/18 23:00	11.88	58.0	0.87
7/05/18 0:00	10.68	57.1	1.20
7/05/18 1:00	10.81	60.9	2.40
7/05/18 2:00	9.56	74.6	1.06
7/05/18 3:00	7.88	74.5	1.15
7/05/18 4:00	8.76	70.5	0.68

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/05/18 5:00	9.02	72.1	0.54
7/05/18 6:00	8.98	77.1	1.47
7/05/18 7:00	9.04	75.2	1.87
7/05/18 8:00	10.08	72.3	2.71
7/05/18 9:00	9.76	83.4	2.24
7/05/18 10:00	10.28	97.2	2.50
7/05/18 11:00	9.60	99.6	3.60
7/05/18 12:00	9.57	99.8	4.80
7/05/18 13:00	10.96	88.3	5.23
7/05/18 14:00	11.92	68.7	6.07
7/05/18 15:00	13.23	64.5	7.22
7/05/18 16:00	13.35	67.3	7.58
7/05/18 17:00	14.22	82.5	6.19
7/05/18 18:00	14.18	61.6	5.57
7/05/18 19:00	14.11	54.5	6.24
7/05/18 20:00	13.72	56.7	6.76
7/05/18 21:00	13.16	57.0	5.84
7/05/18 22:00	13.41	63.4	4.23
7/05/18 23:00	11.25	68.5	3.18
7/06/18 0:00	9.99	77.2	2.30
7/06/18 1:00	9.10	77.5	1.92
7/06/18 2:00	7.92	85.9	1.13
7/06/18 3:00	6.59	97.9	0.65
7/06/18 4:00	6.68	94.8	0.37
7/06/18 5:00	6.60	96.6	0.15
7/06/18 6:00	6.78	94.0	0.66
7/06/18 7:00	7.97	89.5	1.30
7/06/18 8:00	8.87	84.4	2.22
7/06/18 9:00	10.56	74.5	3.33
7/06/18 10:00	12.01	61.7	3.54
7/06/18 11:00	13.47	60.6	4.76
7/06/18 12:00	13.87	56.5	5.33
7/06/18 13:00	14.72	58.9	5.68
7/06/18 14:00	14.33	61.0	5.29
7/06/18 15:00	14.58	61.9	4.50
7/06/18 16:00	15.46	60.9	4.72
7/06/18 17:00	16.89	55.0	4.61
7/06/18 18:00	18.63	54.6	5.08

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/06/18 19:00	17.41	59.5	4.74
7/06/18 20:00	16.05	67.4	5.64
7/06/18 21:00	13.96	78.5	3.52
7/06/18 22:00	14.41	75.1	3.48
7/06/18 23:00	14.78	67.4	3.54
7/07/18 0:00	14.97	72.5	3.60
7/07/18 1:00	12.93	77.7	2.55
7/07/18 2:00	11.77	91.6	3.20
7/07/18 3:00	11.21	100.0	3.94
7/07/18 4:00	12.58	100.0	6.91
7/07/18 5:00	12.33	100.0	7.15
7/07/18 6:00	12.43	100.0	4.65
7/07/18 7:00	12.28	100.0	4.86
7/07/18 8:00	10.91	100.0	3.36
7/07/18 9:00	10.41	100.0	1.84
7/07/18 10:00	10.86	100.0	2.03
7/07/18 11:00	9.83	100.0	3.47
7/07/18 12:00	8.08	100.0	9.17
7/07/18 13:00	7.54	100.0	10.56
7/07/18 14:00	6.97	100.0	10.94
7/07/18 15:00	6.79	100.0	11.99
7/07/18 16:00	7.01	100.0	12.45
7/07/18 17:00	7.50	93.0	11.75
7/07/18 18:00	7.67	94.8	10.60
7/07/18 19:00	7.23	89.1	9.24
7/07/18 20:00	7.63	85.3	8.06
7/07/18 21:00	7.62	81.8	7.73
7/07/18 22:00	7.40	85.1	6.33
7/07/18 23:00	6.85	92.4	4.90
7/08/18 0:00	5.83	99.3	4.06
7/08/18 1:00	4.92	100.0	4.56
7/08/18 2:00	4.88	100.0	5.56
7/08/18 3:00	4.70	100.0	4.62
7/08/18 4:00	3.96	100.0	4.45
7/08/18 5:00	3.61	100.0	3.42
7/08/18 6:00	3.91	100.0	3.09
7/08/18 7:00	4.57	100.0	4.04
7/08/18 8:00	4.78	100.0	4.07

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/08/18 9:00	5.68	100.0	5.46
7/08/18 10:00	5.61	100.0	5.51
7/08/18 11:00	6.40	100.0	5.45
7/08/18 12:00	7.07	94.2	4.89
7/08/18 13:00	7.52	95.3	5.50
7/08/18 14:00	8.25	94.6	6.14
7/08/18 15:00	9.34	85.3	7.42
7/08/18 16:00	9.04	83.0	7.85
7/08/18 17:00	9.19	79.2	7.71
7/08/18 18:00	9.31	80.8	8.52
7/08/18 19:00	8.95	80.0	7.01
7/08/18 20:00	9.34	76.8	6.61
7/08/18 21:00	9.97	70.8	5.79
7/08/18 22:00	9.32	80.0	4.30
7/08/18 23:00	8.74	85.1	5.34
7/09/18 0:00	7.94	91.0	5.82
7/09/18 1:00	7.24	96.0	6.31
7/09/18 2:00	6.97	100.0	6.76
7/09/18 3:00	6.54	100.0	5.23
7/09/18 4:00	5.91	100.0	3.95
7/09/18 5:00	5.65	100.0	2.87
7/09/18 6:00	5.94	100.0	3.20
7/09/18 7:00	5.89	100.0	2.56
7/09/18 8:00	7.26	94.1	4.04
7/09/18 9:00	8.80	81.1	4.02
7/09/18 10:00	10.03	74.0	3.25
7/09/18 11:00	11.02	66.3	3.05
7/09/18 12:00	12.32	61.8	1.93
7/09/18 13:00	13.90	56.6	1.69
7/09/18 14:00	15.96	50.1	2.29
7/09/18 15:00	17.39	47.3	2.83
7/09/18 16:00	18.35	45.9	3.77
7/09/18 17:00	18.86	44.5	4.08
7/09/18 18:00	18.17	49.3	4.59
7/09/18 19:00	17.17	53.4	4.48
7/09/18 20:00	17.50	55.0	5.01
7/09/18 21:00	16.17	71.0	6.63
7/09/18 22:00	14.88	78.6	5.63

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/09/18 23:00	13.21	92.9	4.12
7/10/18 0:00	12.91	86.9	3.18
7/10/18 1:00	15.01	64.0	5.45
7/10/18 2:00	14.65	79.0	5.38
7/10/18 3:00	11.72	76.1	2.88
7/10/18 4:00	11.44	80.3	2.61
7/10/18 5:00	12.50	74.1	2.27
7/10/18 6:00	12.77	76.8	2.11
7/10/18 7:00	14.53	69.6	2.67
7/10/18 8:00	14.54	70.4	4.31
7/10/18 9:00	15.65	69.4	3.80
7/10/18 10:00	17.61	64.0	3.88
7/10/18 11:00	18.88	64.3	3.14
7/10/18 12:00	20.65	58.1	3.02
7/10/18 13:00	22.68	50.2	2.82
7/10/18 14:00	23.87	47.9	3.74
7/10/18 15:00	24.71	44.8	4.07
7/10/18 16:00	25.19	44.2	3.44
7/10/18 17:00	26.16	41.1	1.89
7/10/18 18:00	25.48	40.2	3.12
7/10/18 19:00	24.70	40.7	3.37
7/10/18 20:00	23.40	44.8	3.40
7/10/18 21:00	22.69	49.8	2.82
7/10/18 22:00	22.15	57.1	1.53
7/10/18 23:00	19.89	67.3	2.48
7/11/18 0:00	16.42	78.3	3.06
7/11/18 1:00	14.33	83.9	2.90
7/11/18 2:00	14.87	82.0	1.87
7/11/18 3:00	15.53	79.2	1.77
7/11/18 4:00	15.55	77.6	1.82
7/11/18 5:00	15.20	78.3	1.94
7/11/18 6:00	15.83	77.9	2.40
7/11/18 7:00	16.04	77.0	3.16
7/11/18 8:00	17.07	67.6	2.30
7/11/18 9:00	18.46	62.1	2.85
7/11/18 10:00	19.52	62.3	3.99
7/11/18 11:00	20.83	59.1	5.10
7/11/18 12:00	21.99	56.3	4.95

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/11/18 13:00	23.22	47.0	5.56
7/11/18 14:00	24.32	43.8	6.07
7/11/18 15:00	25.22	43.2	5.72
7/11/18 16:00	27.77	40.8	5.57
7/11/18 17:00	26.90	37.5	5.16
7/11/18 18:00	26.36	34.0	4.34
7/11/18 19:00	26.55	34.3	4.61
7/11/18 20:00	25.25	38.8	3.57
7/11/18 21:00	23.90	46.0	4.21
7/11/18 22:00	23.60	65.3	3.35
7/11/18 23:00	20.22	77.2	2.19
7/12/18 0:00	17.50	80.0	3.01
7/12/18 1:00	16.34	84.6	2.95
7/12/18 2:00	15.00	84.4	2.87
7/12/18 3:00	14.91	82.2	4.33
7/12/18 4:00	13.29	89.2	4.76
7/12/18 5:00	12.80	90.0	2.89
7/12/18 6:00	14.86	85.5	1.41
7/12/18 7:00	14.81	79.4	2.27
7/12/18 8:00	15.58	75.5	2.48
7/12/18 9:00	17.86	67.8	2.61
7/12/18 10:00	19.39	53.9	2.84
7/12/18 11:00	21.59	51.0	2.23
7/12/18 12:00	22.57	47.9	4.35
7/12/18 13:00	23.76	46.6	5.23
7/12/18 14:00	21.91	47.9	6.24
7/12/18 15:00	21.25	45.6	6.66
7/12/18 16:00	23.01	46.4	6.34
7/12/18 17:00	20.44	51.8	6.31
7/12/18 18:00	20.10	47.4	6.46
7/12/18 19:00	21.24	52.6	7.29
7/12/18 20:00	20.74	63.1	8.32
7/12/18 21:00	17.92	77.1	9.12
7/12/18 22:00	15.60	83.2	8.02
7/12/18 23:00	14.22	84.3	8.97
7/13/18 0:00	12.47	86.8	9.53
7/13/18 1:00	11.53	87.9	10.54
7/13/18 2:00	10.80	91.4	10.30

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/13/18 3:00	10.36	95.4	10.56
7/13/18 4:00	9.70	100.0	10.82
7/13/18 5:00	9.67	100.0	10.59
7/13/18 6:00	9.73	98.4	11.07
7/13/18 7:00	9.84	95.3	10.79
7/13/18 8:00	9.78	93.4	11.19
7/13/18 9:00	10.33	83.9	10.74
7/13/18 10:00	11.91	68.8	10.19
7/13/18 11:00	13.45	61.8	10.05
7/13/18 12:00	14.55	55.8	9.76
7/13/18 13:00	15.43	50.8	9.70
7/13/18 14:00	15.99	48.8	9.19
7/13/18 15:00	16.42	47.6	8.39
7/13/18 16:00	16.86	44.4	8.08
7/13/18 17:00	17.30	39.5	7.98
7/13/18 18:00	17.51	34.3	7.89
7/13/18 19:00	17.24	40.7	8.76
7/13/18 20:00	16.03	44.7	10.06
7/13/18 21:00	14.87	48.3	9.60
7/13/18 22:00	13.61	53.6	8.87
7/13/18 23:00	12.36	57.6	8.12
7/14/18 0:00	10.87	61.2	7.98
7/14/18 1:00	9.49	63.8	8.04
7/14/18 2:00	8.56	65.1	7.71
7/14/18 3:00	7.79	69.3	7.53
7/14/18 4:00	7.10	75.6	6.67
7/14/18 5:00	6.85	78.1	7.55
7/14/18 6:00	6.74	82.7	7.26
7/14/18 7:00	6.88	80.0	7.51
7/14/18 8:00	7.57	70.7	7.44
7/14/18 9:00	8.67	64.6	7.19
7/14/18 10:00	9.29	60.2	7.72
7/14/18 11:00	10.16	53.9	7.54
7/14/18 12:00	11.05	49.5	7.46
7/14/18 13:00	11.75	49.0	7.42
7/14/18 14:00	12.21	44.7	7.73
7/14/18 15:00	12.77	37.6	7.80
7/14/18 16:00	13.18	33.9	8.00

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/14/18 17:00	13.76	35.4	8.47
7/14/18 18:00	13.92	39.6	8.49
7/14/18 19:00	13.74	39.9	7.78
7/14/18 20:00	13.24	42.4	8.48
7/14/18 21:00	12.79	45.6	8.83
7/14/18 22:00	12.14	50.5	7.94
7/14/18 23:00	11.34	57.3	6.20
7/15/18 0:00	10.28	63.3	5.50
7/15/18 1:00	9.45	66.0	4.79
7/15/18 2:00	9.12	67.8	4.54
7/15/18 3:00	8.66	70.7	4.66
7/15/18 4:00	7.99	75.8	3.56
7/15/18 5:00	7.27	76.8	2.76
7/15/18 6:00	7.34	77.0	2.82
7/15/18 7:00	8.53	69.1	3.48
7/15/18 8:00	9.62	66.4	4.06
7/15/18 9:00	10.98	56.3	4.85
7/15/18 10:00	12.05	53.0	5.78
7/15/18 11:00	13.06	49.4	5.09
7/15/18 12:00	13.78	47.0	5.34
7/15/18 13:00	14.58	45.1	5.87
7/15/18 14:00	15.51	38.8	5.60
7/15/18 15:00	16.13	40.7	5.17
7/15/18 16:00	16.90	41.6	5.39
7/15/18 17:00	17.38	38.7	5.48
7/15/18 18:00	17.40	34.6	6.00
7/15/18 19:00	17.50	39.1	6.16
7/15/18 20:00	17.34	39.1	6.26
7/15/18 21:00	16.97	42.9	5.72
7/15/18 22:00	16.38	46.9	4.96
7/15/18 23:00	15.14	54.3	3.74
7/16/18 0:00	13.41	60.8	2.78
7/16/18 1:00	12.50	64.4	2.61
7/16/18 2:00	12.11	70.5	3.04
7/16/18 3:00	11.34	70.5	2.43
7/16/18 4:00	10.15	75.1	1.95
7/16/18 5:00	9.12	86.4	2.33
7/16/18 6:00	8.86	88.1	2.80

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/16/18 7:00	9.96	80.7	2.73
7/16/18 8:00	11.30	72.6	2.43
7/16/18 9:00	12.99	67.9	2.26
7/16/18 10:00	13.75	51.7	3.20
7/16/18 11:00	14.89	47.4	3.62
7/16/18 12:00	15.81	44.6	3.39
7/16/18 13:00	16.81	32.1	3.82
7/16/18 14:00	17.86	30.2	4.03
7/16/18 15:00	18.65	25.8	3.73
7/16/18 16:00	18.78	29.8	3.69
7/16/18 17:00	19.37	27.2	3.46
7/16/18 18:00	19.63	28.3	3.00
7/16/18 19:00	19.91	28.1	2.41
7/16/18 20:00	19.86	27.2	1.89
7/16/18 21:00	19.97	27.9	1.19
7/16/18 22:00	19.22	33.2	0.58
7/16/18 23:00	17.36	44.2	0.54
7/17/18 0:00	15.97	45.7	0.67
7/17/18 1:00	13.94	53.2	0.66
7/17/18 2:00	13.31	64.0	0.83
7/17/18 3:00	13.09	55.7	1.07
7/17/18 4:00	12.90	58.2	1.55
7/17/18 5:00	12.57	58.8	1.62
7/17/18 6:00	13.17	58.8	2.15
7/17/18 7:00	14.19	55.0	2.39
7/17/18 8:00	15.45	48.9	3.42
7/17/18 9:00	17.12	46.5	4.76
7/17/18 10:00	18.39	44.6	5.76
7/17/18 11:00	19.12	39.9	6.84
7/17/18 12:00	20.07	37.7	6.96
7/17/18 13:00	20.03	37.9	7.35
7/17/18 14:00	20.15	37.9	7.06
7/17/18 15:00	20.07	39.2	7.73
7/17/18 16:00	20.56	37.5	8.00
7/17/18 17:00	21.33	37.1	7.76
7/17/18 18:00	21.39	35.1	7.33
7/17/18 19:00	21.21	38.1	7.38
7/17/18 20:00	20.25	42.2	8.02

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/17/18 21:00	19.22	50.0	8.32
7/17/18 22:00	18.16	51.4	6.65
7/17/18 23:00	17.37	55.8	6.57
7/18/18 0:00	16.01	63.2	6.53
7/18/18 1:00	14.87	68.1	5.65
7/18/18 2:00	13.83	74.0	6.07
7/18/18 3:00	12.95	89.5	7.35
7/18/18 4:00	12.14	94.9	6.43
7/18/18 5:00	11.76	95.3	7.14
7/18/18 6:00	11.64	92.2	7.24
7/18/18 7:00	11.78	90.6	8.30
7/18/18 8:00	11.82	88.1	7.70
7/18/18 9:00	12.29	85.5	8.16
7/18/18 10:00	13.17	80.4	7.43
7/18/18 11:00	13.54	78.6	7.12
7/18/18 12:00	14.39	68.6	6.95
7/18/18 13:00	15.48	63.8	6.20
7/18/18 14:00	16.32	59.6	6.90
7/18/18 15:00	17.31	52.3	5.99
7/18/18 16:00	17.44	50.7	5.72
7/18/18 17:00	17.67	45.4	5.66
7/18/18 18:00	16.92	43.6	5.63
7/18/18 19:00	16.03	45.4	5.08
7/18/18 20:00	15.49	48.7	2.99
7/18/18 21:00	14.62	51.2	2.09
7/18/18 22:00	13.61	62.4	2.45
7/18/18 23:00	12.30	71.3	3.30
7/19/18 0:00	11.53	75.9	2.59
7/19/18 1:00	11.15	81.9	2.89
7/19/18 2:00	10.84	80.9	3.97
7/19/18 3:00	10.24	85.4	3.83
7/19/18 4:00	10.21	78.7	3.84
7/19/18 5:00	10.77	83.3	3.43
7/19/18 6:00	10.58	86.7	1.93
7/19/18 7:00	11.97	77.2	2.25
7/19/18 8:00	13.90	49.1	2.58
7/19/18 9:00	15.32	47.9	3.01
7/19/18 10:00	16.13	37.4	3.90

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/19/18 11:00	17.38	44.0	3.76
7/19/18 12:00	18.17	48.4	4.93
7/19/18 13:00	19.15	47.7	5.66
7/19/18 14:00	19.74	47.5	6.23
7/19/18 15:00	19.69	54.1	7.27
7/19/18 16:00	19.07	57.2	8.15
7/19/18 17:00	18.38	55.7	8.07
7/19/18 18:00	18.44	54.4	8.64
7/19/18 19:00	18.18	53.1	8.94
7/19/18 20:00	17.43	55.6	8.66
7/19/18 21:00	16.39	58.1	7.92
7/19/18 22:00	15.31	62.4	6.90
7/19/18 23:00	14.25	67.2	5.31
7/20/18 0:00	12.82	74.4	4.42
7/20/18 1:00	11.40	72.7	4.99
7/20/18 2:00	10.47	76.3	5.13
7/20/18 3:00	9.45	84.6	4.57
7/20/18 4:00	8.83	82.3	4.49
7/20/18 5:00	8.56	81.8	4.12
7/20/18 6:00	8.81	82.7	3.21
7/20/18 7:00	9.40	75.5	3.47
7/20/18 8:00	9.71	72.2	5.37
7/20/18 9:00	10.39	70.6	4.37
7/20/18 10:00	11.16	66.6	3.88
7/20/18 11:00	12.65	59.2	3.59
7/20/18 12:00	13.96	50.7	3.50
7/20/18 13:00	15.32	51.8	3.41
7/20/18 14:00	16.81	46.7	3.87
7/20/18 15:00	18.25	41.6	4.49
7/20/18 16:00	18.83	43.3	5.24
7/20/18 17:00	19.14	41.1	5.50
7/20/18 18:00	19.45	44.9	5.77
7/20/18 19:00	19.24	45.3	5.59
7/20/18 20:00	18.97	48.6	6.22
7/20/18 21:00	17.66	70.0	7.43
7/20/18 22:00	16.18	77.7	6.56
7/20/18 23:00	15.45	78.6	7.08
7/21/18 0:00	14.22	91.9	5.51

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/21/18 1:00	13.12	99.8	4.04
7/21/18 2:00	13.23	94.7	3.79
7/21/18 3:00	12.73	97.2	5.66
7/21/18 4:00	12.03	92.7	5.14
7/21/18 5:00	11.08	93.7	6.52
7/21/18 6:00	10.85	93.3	6.54
7/21/18 7:00	10.85	94.2	5.53
7/21/18 8:00	10.79	86.6	5.42
7/21/18 9:00	10.81	75.7	5.04
7/21/18 10:00	11.53	64.5	4.30
7/21/18 11:00	12.06	65.0	3.16
7/21/18 12:00	13.05	56.9	2.69
7/21/18 13:00	14.03	49.4	2.17
7/21/18 14:00	14.83	47.2	1.74
7/21/18 15:00	15.66	43.1	2.21
7/21/18 16:00	16.18	36.4	1.52
7/21/18 17:00	16.75	39.9	1.24
7/21/18 18:00	17.38	39.0	1.24
7/21/18 19:00	17.94	40.1	0.93
7/21/18 20:00	18.02	42.9	2.20
7/21/18 21:00	17.44	43.6	3.39
7/21/18 22:00	16.51	44.7	3.78
7/21/18 23:00	16.20	46.3	3.68
7/22/18 0:00	15.73	56.0	3.53
7/22/18 1:00	14.79	64.9	3.61
7/22/18 2:00	14.25	73.1	3.68
7/22/18 3:00	14.00	89.0	4.29
7/22/18 4:00	13.19	88.5	4.20
7/22/18 5:00	13.63	79.7	4.56
7/22/18 6:00	13.32	78.5	3.92
7/22/18 7:00	13.66	77.3	2.19
7/22/18 8:00	14.61	75.8	1.77
7/22/18 9:00	14.72	75.9	2.62
7/22/18 10:00	14.09	82.4	6.15
7/22/18 11:00	14.02	77.5	5.48
7/22/18 12:00	13.94	73.2	5.69
7/22/18 13:00	14.46	49.7	6.30
7/22/18 14:00	14.80	45.7	6.58

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/22/18 15:00	14.45	59.4	5.76
7/22/18 16:00	13.73	58.2	4.42
7/22/18 17:00	13.43	62.1	1.79
7/22/18 18:00	14.15	42.4	1.61
7/22/18 19:00	15.71	41.6	5.83
7/22/18 20:00	14.76	49.5	8.00
7/22/18 21:00	13.35	56.1	7.73
7/22/18 22:00	11.91	60.5	6.80
7/22/18 23:00	10.80	66.3	5.71
7/23/18 0:00	9.53	73.5	4.33
7/23/18 1:00	8.99	63.0	4.65
7/23/18 2:00	9.04	68.7	6.35
7/23/18 3:00	7.98	74.9	4.93
7/23/18 4:00	6.97	76.3	3.45
7/23/18 5:00	6.70	77.8	4.07
7/23/18 6:00	6.41	79.7	5.49
7/23/18 7:00	6.51	70.1	4.66
7/23/18 8:00	6.96	68.3	3.81
7/23/18 9:00	7.51	65.1	4.08
7/23/18 10:00	8.47	59.9	4.33
7/23/18 11:00	9.34	54.8	4.11
7/23/18 12:00	10.49	53.3	3.86
7/23/18 13:00	11.55	51.8	3.10
7/23/18 14:00	12.40	50.5	2.51
7/23/18 15:00	13.48	46.1	1.91
7/23/18 16:00	14.84	43.8	2.27
7/23/18 17:00	15.90	46.3	3.74
7/23/18 18:00	16.63	41.3	3.78
7/23/18 19:00	17.14	41.7	3.47
7/23/18 20:00	17.16	47.8	4.17
7/23/18 21:00	16.14	53.4	4.76
7/23/18 22:00	14.35	59.4	4.17
7/23/18 23:00	13.31	72.4	3.37
7/24/18 0:00	11.79	81.2	3.31
7/24/18 1:00	10.93	84.7	3.70
7/24/18 2:00	10.45	89.8	4.66
7/24/18 3:00	10.35	84.8	3.07
7/24/18 4:00	10.24	89.0	2.18

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/24/18 5:00	10.65	87.6	3.11
7/24/18 6:00	10.31	89.3	3.44
7/24/18 7:00	10.94	83.4	3.51
7/24/18 8:00	12.56	77.6	2.44
7/24/18 9:00	14.31	69.7	3.97
7/24/18 10:00	15.92	65.4	4.66
7/24/18 11:00	17.51	57.4	6.02
7/24/18 12:00	19.97	49.6	5.17
7/24/18 13:00	20.72	46.2	6.74
7/24/18 14:00	21.32	38.7	6.50
7/24/18 15:00	21.56	39.9	6.08
7/24/18 16:00	22.63	43.2	7.30
7/24/18 17:00	23.27	37.2	8.02
7/24/18 18:00	23.60	36.7	7.23
7/24/18 19:00	22.34	42.2	7.39
7/24/18 20:00	21.31	43.3	6.65
7/24/18 21:00	21.07	41.9	5.43
7/24/18 22:00	20.12	47.9	4.29
7/24/18 23:00	19.69	46.9	4.81
7/25/18 0:00	18.51	55.6	5.30
7/25/18 1:00	16.81	65.1	4.17
7/25/18 2:00	15.68	65.7	2.83
7/25/18 3:00	15.43	71.7	3.69
7/25/18 4:00	13.68	77.9	4.20
7/25/18 5:00	13.75	79.2	3.90
7/25/18 6:00	13.30	89.0	5.96
7/25/18 7:00	12.85	89.0	4.55
7/25/18 8:00	13.23	82.4	6.95
7/25/18 9:00	13.67	67.9	6.60
7/25/18 10:00	14.50	56.2	6.32
7/25/18 11:00	15.56	50.0	6.33
7/25/18 12:00	16.17	52.4	5.52
7/25/18 13:00	16.96	48.7	4.90
7/25/18 14:00	17.48	45.5	5.66
7/25/18 15:00	17.73	45.5	6.42
7/25/18 16:00	18.17	46.1	6.72
7/25/18 17:00	18.51	39.4	6.11
7/25/18 18:00	18.58	36.0	6.89

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/25/18 19:00	19.14	42.6	6.77
7/25/18 20:00	18.66	48.1	6.06
7/25/18 21:00	18.09	51.2	4.09
7/25/18 22:00	17.82	66.8	3.59
7/25/18 23:00	16.05	88.6	2.91
7/26/18 0:00	14.77	97.3	2.00
7/26/18 1:00	14.10	91.2	3.39
7/26/18 2:00	13.59	71.6	4.99
7/26/18 3:00	12.12	63.7	6.01
7/26/18 4:00	10.98	69.7	5.65
7/26/18 5:00	9.93	79.5	7.11
7/26/18 6:00	9.02	77.1	5.80
7/26/18 7:00	8.77	63.0	5.75
7/26/18 8:00	8.62	68.4	5.69
7/26/18 9:00	9.16	62.6	4.76
7/26/18 10:00	10.08	55.0	3.85
7/26/18 11:00	10.97	51.8	3.40
7/26/18 12:00	11.99	41.7	2.75
7/26/18 13:00	13.18	36.0	1.66
7/26/18 14:00	13.86	34.4	1.87
7/26/18 15:00	14.52	32.0	2.18
7/26/18 16:00	15.50	27.9	1.37
7/26/18 17:00	16.60	27.6	1.51
7/26/18 18:00	17.16	26.8	3.09
7/26/18 19:00	17.36	30.2	4.13
7/26/18 20:00	16.85	37.1	4.20
7/26/18 21:00	15.94	43.5	3.76
7/26/18 22:00	15.67	53.7	2.23
7/26/18 23:00	15.76	59.5	3.75
7/27/18 0:00	14.48	61.9	5.15
7/27/18 1:00	13.68	69.0	2.35
7/27/18 2:00	12.75	75.9	3.57
7/27/18 3:00	12.41	79.3	5.16
7/27/18 4:00	11.93	83.2	6.23
7/27/18 5:00	11.64	84.3	4.03
7/27/18 6:00	12.79	82.6	2.22
7/27/18 7:00	13.28	82.7	2.87
7/27/18 8:00	14.64	82.5	3.84

Date and Time	Average Air Temperature (°C)	Relative Humidity (%)	Average Wind Speed (m/s)
7/27/18 9:00	16.26	74.5	5.92
7/27/18 10:00	17.53	68.5	4.79
7/27/18 11:00	18.32	57.0	3.68
7/27/18 12:00	18.86	54.4	2.32
7/27/18 13:00	19.94	41.3	2.01
7/27/18 14:00	21.45	35.9	3.88
7/27/18 15:00	22.27	51.5	4.85
7/27/18 16:00	22.55	49.0	5.58
7/27/18 17:00	22.70	47.3	6.14
7/27/18 18:00	22.12	46.6	6.79
7/27/18 19:00	22.19	52.4	6.68
7/27/18 20:00	20.80	99.8	6.21
7/27/18 21:00	16.23	100.0	4.25
7/27/18 22:00	15.78	100.0	4.35

Table-Apx 2: Average temperature, relative humidity, and average wind speed for the Amaruq site weather station (used for analysis of monitoring stations R7 – R11)

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
7/30/18 0:00	6.09	77.0	3.46
7/30/18 1:00	5.71	79.6	3.15
7/30/18 2:00	5.47	81.5	2.22
7/30/18 3:00	5.40	84.2	3.78
7/30/18 4:00	5.27	82.8	7.79
7/30/18 5:00	5.07	83.5	7.53
7/30/18 6:00	5.12	82.2	7.36
7/30/18 7:00	5.34	81.8	8.02
7/30/18 8:00	5.38	81.0	8.07
7/30/18 9:00	5.46	82.5	6.67
7/30/18 10:00	6.23	82.4	6.44
7/30/18 11:00	6.04	88.8	5.74
7/30/18 12:00	6.43	88.2	8.08
7/30/18 13:00	7.37	82.7	8.44
7/30/18 14:00	7.24	80.4	9.78
7/30/18 15:00	7.09	74.3	9.28
7/30/18 16:00	7.15	68.6	8.72
7/30/18 17:00	8.08	61.5	8.72

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
7/30/18 18:00	8.96	56.5	8.29
7/30/18 19:00	9.46	52.5	8.52
7/30/18 20:00	9.21	54.7	8.93
7/30/18 21:00	8.77	58.6	7.96
7/30/18 22:00	8.01	62.4	7.49
7/30/18 23:00	6.56	69.8	6.30
7/31/18 0:00	5.09	77.1	3.87
7/31/18 1:00	4.41	80.2	3.96
7/31/18 2:00	3.92	85.6	3.73
7/31/18 3:00	3.30	90.1	2.59
7/31/18 4:00	2.99	92.1	1.66
7/31/18 5:00	3.42	92.5	1.71
7/31/18 6:00	6.08	84.5	2.53
7/31/18 7:00	6.51	84.1	2.90
7/31/18 8:00	8.72	74.3	4.61
7/31/18 9:00	9.68	74.0	4.29
7/31/18 10:00	11.23	67.9	4.78
7/31/18 11:00	13.85	54.5	6.16
7/31/18 12:00	16.24	44.6	7.42
7/31/18 13:00	16.78	42.3	8.90
7/31/18 14:00	16.19	43.6	9.64
7/31/18 15:00	16.45	40.8	10.35
7/31/18 16:00	16.28	44.1	10.24
7/31/18 17:00	13.91	66.3	10.38
7/31/18 18:00	13.12	76.0	9.10
7/31/18 19:00	13.09	77.2	9.85
7/31/18 20:00	12.32	85.5	6.80
7/31/18 21:00	12.07	86.3	5.47
7/31/18 22:00	11.67	87.1	3.44
7/31/18 23:00	11.22	88.0	2.84
8/01/18 0:00	10.98	89.3	2.38
8/01/18 1:00	10.82	89.2	1.77
8/01/18 2:00	10.76	89.4	1.97
8/01/18 3:00	10.41	88.7	2.71
8/01/18 4:00	10.58	88.3	4.27
8/01/18 5:00	10.73	91.6	3.78
8/01/18 6:00	10.95	92.0	5.26
8/01/18 7:00	11.20	94.0	6.32
8/01/18 8:00	11.66	93.7	7.28

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/01/18 9:00	11.89	92.6	7.31
8/01/18 10:00	11.98	94.1	7.97
8/01/18 11:00	12.26	92.7	7.32
8/01/18 12:00	14.06	80.8	10.47
8/01/18 13:00	10.89	86.3	11.66
8/01/18 14:00	11.06	83.5	11.99
8/01/18 15:00	10.06	86.3	11.90
8/01/18 16:00	10.17	85.4	11.55
8/01/18 17:00	9.67	87.5	11.90
8/01/18 18:00	9.58	86.6	11.49
8/01/18 19:00	9.25	87.9	11.97
8/01/18 20:00	7.98	87.4	12.75
8/01/18 21:00	7.28	86.7	11.11
8/01/18 22:00	6.33	91.3	11.48
8/01/18 23:00	5.58	92.7	10.93
8/02/18 0:00	5.25	92.4	10.60
8/02/18 1:00	5.29	93.9	10.32
8/02/18 2:00	5.30	93.1	10.79
8/02/18 3:00	5.20	94.3	10.23
8/02/18 4:00	5.26	95.1	8.96
8/02/18 5:00	5.07	96.6	8.56
8/02/18 6:00	4.22	95.5	8.25
8/02/18 7:00	3.82	95.2	8.53
8/02/18 8:00	4.06	94.9	9.15
8/02/18 9:00	4.76	94.8	8.42
8/02/18 10:00	4.99	91.1	8.85
8/02/18 11:00	5.84	86.1	8.50
8/02/18 12:00	5.76	87.5	8.80
8/02/18 13:00	7.14	77.6	7.46
8/02/18 14:00	7.96	73.0	6.61
8/02/18 15:00	9.22	62.1	5.93
8/02/18 16:00	9.97	58.8	5.54
8/02/18 17:00	9.90	57.2	5.91
8/02/18 18:00	10.71	53.8	5.30
8/02/18 19:00	10.14	52.4	4.23
8/02/18 20:00	10.02	50.2	3.50
8/02/18 21:00	9.73	53.1	2.44
8/02/18 22:00	8.99	58.6	1.95
8/02/18 23:00	8.73	59.9	0.95

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/03/18 0:00	8.33	64.1	1.19
8/03/18 1:00	7.81	71.3	1.92
8/03/18 2:00	7.82	70.8	1.98
8/03/18 3:00	7.42	73.9	2.80
8/03/18 4:00	6.78	81.5	1.64
8/03/18 5:00	6.76	83.2	2.23
8/03/18 6:00	7.43	81.3	2.42
8/03/18 7:00	7.63	78.5	3.10
8/03/18 8:00	7.90	75.6	4.37
8/03/18 9:00	9.25	67.7	5.90
8/03/18 10:00	9.55	64.5	7.29
8/03/18 11:00	9.77	63.7	8.00
8/03/18 12:00	9.61	65.4	8.82
8/03/18 13:00	9.72	66.8	9.06
8/03/18 14:00	9.54	68.7	9.45
8/03/18 15:00	9.34	73.1	8.73
8/03/18 16:00	9.34	75.4	9.51
8/03/18 17:00	8.79	85.6	9.37
8/03/18 18:00	9.38	78.9	9.16
8/03/18 19:00	9.04	80.3	9.37
8/03/18 20:00	8.30	86.6	8.32
8/03/18 21:00	7.64	93.0	7.81
8/03/18 22:00	7.41	95.4	6.60
8/03/18 23:00	7.28	96.6	6.30
8/04/18 0:00	7.26	96.5	7.24
8/04/18 1:00	7.14	96.5	5.27
8/04/18 2:00	7.05	96.8	5.74
8/04/18 3:00	6.94	96.8	6.07
8/04/18 4:00	6.73	96.6	7.12
8/04/18 5:00	6.39	97.1	7.43
8/04/18 6:00	6.26	96.1	8.97
8/04/18 7:00	6.00	95.3	11.11
8/04/18 8:00	5.84	92.8	12.23
8/04/18 9:00	5.18	94.2	12.68
8/04/18 10:00	5.38	90.6	12.90
8/04/18 11:00	5.54	85.0	14.55
8/04/18 12:00	5.92	87.5	12.75
8/04/18 13:00	6.98	85.1	11.57
8/04/18 14:00	7.24	81.4	11.87

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/04/18 15:00	6.63	83.2	12.21
8/04/18 16:00	6.45	85.9	13.29
8/04/18 17:00	6.31	84.3	12.39
8/04/18 18:00	6.40	86.4	11.81
8/04/18 19:00	6.61	87.9	11.27
8/04/18 20:00	6.91	80.6	10.58
8/04/18 21:00	6.28	86.4	11.47
8/04/18 22:00	6.06	86.3	11.16
8/04/18 23:00	5.76	89.4	10.91
8/05/18 0:00	5.40	90.3	10.95
8/05/18 1:00	5.24	91.6	10.21
8/05/18 2:00	5.39	94.1	8.71
8/05/18 3:00	5.42	92.8	9.80
8/05/18 4:00	5.39	92.8	9.43
8/05/18 5:00	5.53	92.1	9.84
8/05/18 6:00	5.62	92.6	9.92
8/05/18 7:00	5.98	88.4	12.08
8/05/18 8:00	6.02	86.5	11.67
8/05/18 9:00	6.40	87.1	10.59
8/05/18 10:00	7.15	85.6	8.42
8/05/18 11:00	7.71	84.1	8.71
8/05/18 12:00	9.39	75.3	10.39
8/05/18 13:00	11.72	64.6	10.27
8/05/18 14:00	12.42	57.0	10.91
8/05/18 15:00	13.60	51.8	10.95
8/05/18 16:00	13.83	50.0	10.57
8/05/18 17:00	14.32	49.1	10.05
8/05/18 18:00	14.42	46.1	9.69
8/05/18 19:00	14.14	45.0	9.48
8/05/18 20:00	13.72	43.8	8.48
8/05/18 21:00	12.91	48.3	6.19
8/05/18 22:00	11.59	55.2	3.55
8/05/18 23:00	9.75	64.5	2.76
8/06/18 0:00	9.02	69.0	3.32
8/06/18 1:00	7.96	74.3	3.28
8/06/18 2:00	7.22	79.2	3.13
8/06/18 3:00	6.74	82.5	2.00
8/06/18 4:00	6.19	85.8	1.39
8/06/18 5:00	6.52	84.3	0.97

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/06/18 6:00	6.84	86.1	2.15
8/06/18 7:00	7.29	86.9	2.23
8/06/18 8:00	8.34	84.6	2.04
8/06/18 9:00	9.89	79.9	3.13
8/06/18 10:00	11.11	74.2	3.80
8/06/18 11:00	12.16	70.7	4.26
8/06/18 12:00	12.90	69.9	4.10
8/06/18 13:00	12.88	78.4	3.56
8/06/18 14:00	12.42	83.8	2.64
8/06/18 15:00	12.35	84.5	2.18
8/06/18 16:00	12.66	83.2	3.23
8/06/18 17:00	12.91	84.6	4.23
8/06/18 18:00	12.93	79.7	4.48
8/06/18 19:00	12.51	83.9	3.41
8/06/18 20:00	12.55	82.2	2.85
8/06/18 21:00	12.11	83.0	2.48
8/06/18 22:00	11.92	83.8	1.60
8/06/18 23:00	11.43	85.5	2.72
8/07/18 0:00	10.81	89.7	2.95
8/07/18 1:00	10.66	90.8	1.48
8/07/18 2:00	10.37	91.8	0.76
8/07/18 3:00	10.26	93.2	0.07
8/07/18 4:00	10.13	93.3	0.66
8/07/18 5:00	9.51	95.3	3.49
8/07/18 6:00	9.66	96.8	3.46
8/07/18 7:00	9.68	97.6	4.08
8/07/18 8:00	8.78	97.9	4.88
8/07/18 9:00	8.84	98.2	4.33
8/07/18 10:00	8.80	98.2	5.09
8/07/18 11:00	9.31	98.2	4.80
8/07/18 12:00	9.75	94.5	5.03
8/07/18 13:00	10.57	88.7	4.73
8/07/18 14:00	11.08	85.3	5.57
8/07/18 15:00	11.28	82.3	5.23
8/07/18 16:00	11.71	78.8	4.79
8/07/18 17:00	12.97	72.1	4.26
8/07/18 18:00	13.64	64.4	4.90
8/07/18 19:00	14.10	56.5	5.73
8/07/18 20:00	13.52	57.3	5.90

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/07/18 21:00	12.56	62.3	5.26
8/07/18 22:00	11.25	69.6	4.51
8/07/18 23:00	10.00	75.9	4.82
8/08/18 0:00	8.92	80.3	5.16
8/08/18 1:00	8.16	83.4	5.66
8/08/18 2:00	7.81	81.9	5.87
8/08/18 3:00	7.43	83.6	5.89
8/08/18 4:00	7.05	84.8	5.56
8/08/18 5:00	6.70	84.6	4.86
8/08/18 6:00	6.33	85.6	4.52
8/08/18 7:00	6.34	87.6	4.83
8/08/18 8:00	7.30	83.9	5.64
8/08/18 9:00	8.17	79.9	6.51
8/08/18 10:00	9.14	70.3	6.84
8/08/18 11:00	9.66	65.3	6.49
8/08/18 12:00	10.89	53.6	6.00
8/08/18 13:00	11.75	51.4	6.74
8/08/18 14:00	12.69	50.8	7.01
8/08/18 15:00	13.44	48.5	7.35
8/08/18 16:00	13.73	47.0	7.36
8/08/18 17:00	13.65	48.0	7.29
8/08/18 18:00	13.25	49.4	7.22
8/08/18 19:00	13.06	49.9	6.82
8/08/18 20:00	12.21	52.8	6.19
8/08/18 21:00	11.45	56.7	5.88
8/08/18 22:00	10.57	61.6	4.63
8/08/18 23:00	9.79	63.0	4.05
8/09/18 0:00	9.30	67.3	2.40
8/09/18 1:00	9.13	68.3	2.02
8/09/18 2:00	9.01	68.3	1.42
8/09/18 3:00	8.17	72.6	1.89
8/09/18 4:00	7.33	77.5	1.38
8/09/18 5:00	5.80	85.1	0.79
8/09/18 6:00	5.89	86.0	2.00
8/09/18 7:00	8.82	76.3	1.69
8/09/18 8:00	8.75	76.6	1.63
8/09/18 9:00	9.62	72.0	3.67
8/09/18 10:00	9.34	68.1	4.17
8/09/18 11:00	10.03	65.5	3.34

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/09/18 12:00	9.99	65.0	3.34
8/09/18 13:00	8.04	82.4	3.08
8/09/18 14:00	7.62	85.4	4.26
8/09/18 15:00	7.90	85.5	5.76
8/09/18 16:00	8.25	85.6	6.14
8/09/18 17:00	8.53	83.5	5.65
8/09/18 18:00	8.74	84.7	4.83
8/09/18 19:00	8.76	87.4	3.97
8/09/18 20:00	8.75	89.5	3.33
8/09/18 21:00	8.79	88.9	2.59
8/09/18 22:00	8.42	91.2	3.61
8/09/18 23:00	7.96	91.9	4.41
8/10/18 0:00	7.63	93.2	3.88
8/10/18 1:00	7.03	93.2	3.84
8/10/18 2:00	5.80	95.5	4.67
8/10/18 3:00	5.42	96.4	4.11
8/10/18 4:00	5.45	97.2	4.87
8/10/18 5:00	5.02	97.4	3.33
8/10/18 6:00	6.25	97.8	4.55
8/10/18 7:00	6.28	98.0	6.03
8/10/18 8:00	6.34	96.5	6.16
8/10/18 9:00	6.50	93.8	5.20
8/10/18 10:00	7.03	88.5	6.14
8/10/18 11:00	7.76	77.8	5.63
8/10/18 12:00	8.47	69.0	4.64
8/10/18 13:00	9.01	62.9	4.16
8/10/18 14:00	9.93	57.5	3.03
8/10/18 15:00	10.29	55.6	2.28
8/10/18 16:00	10.81	53.1	1.57
8/10/18 17:00	11.33	51.6	1.45
8/10/18 18:00	11.49	50.6	1.73
8/10/18 19:00	11.09	52.6	3.65
8/10/18 20:00	10.86	54.4	5.94
8/10/18 21:00	10.17	58.5	5.56
8/10/18 22:00	9.11	68.8	6.09
8/10/18 23:00	8.84	69.4	6.56
8/11/18 0:00	9.16	70.9	8.07
8/11/18 1:00	9.36	71.9	9.83
8/11/18 2:00	8.25	88.0	9.43

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/11/18 3:00	8.08	92.6	12.40
8/11/18 4:00	8.37	95.2	12.68
8/11/18 5:00	8.93	95.4	13.77
8/11/18 6:00	9.18	96.6	13.60
8/11/18 7:00	9.43	96.6	12.83
8/11/18 8:00	9.76	97.4	10.96
8/11/18 9:00	10.02	97.9	8.98
8/11/18 10:00	10.59	98.0	6.76
8/11/18 11:00	11.40	97.8	5.13
8/11/18 12:00	11.46	92.1	6.06
8/11/18 13:00	11.85	89.4	4.80
8/11/18 14:00	12.51	84.8	4.26
8/11/18 15:00	12.78	81.2	3.93
8/11/18 16:00	12.69	86.5	3.31
8/11/18 17:00	13.38	84.1	4.55
8/11/18 18:00	12.58	88.4	6.28
8/11/18 19:00	11.29	94.3	10.15
8/11/18 20:00	9.82	96.8	9.89
8/11/18 21:00	9.99	97.2	10.04
8/11/18 22:00	8.12	95.6	12.70
8/11/18 23:00	7.28	94.6	13.15
8/12/18 0:00	6.40	94.8	13.77
8/12/18 1:00	5.41	93.0	14.43
8/12/18 2:00	4.73	93.1	14.41
8/12/18 3:00	4.38	91.9	14.54
8/12/18 4:00	4.49	90.7	13.59
8/12/18 5:00	4.44	89.6	12.23
8/12/18 6:00	4.25	91.1	11.42
8/12/18 7:00	4.47	89.8	10.70
8/12/18 8:00	4.82	92.5	11.27
8/12/18 9:00	4.94	91.7	12.56
8/12/18 10:00	5.02	89.4	11.94
8/12/18 11:00	5.95	87.6	11.80
8/12/18 12:00	7.22	86.0	11.18
8/12/18 13:00	7.28	89.3	12.05
8/12/18 14:00	7.79	84.3	12.06
8/12/18 15:00	8.33	74.3	12.31
8/12/18 16:00	7.83	71.6	11.85
8/12/18 17:00	7.46	69.7	12.49

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/12/18 18:00	7.85	69.2	11.18
8/12/18 19:00	6.94	75.9	11.93
8/12/18 20:00	6.88	72.9	11.95
8/12/18 21:00	6.01	77.1	9.76
8/12/18 22:00	5.47	77.1	7.72
8/12/18 23:00	4.15	82.4	5.01
8/13/18 0:00	2.69	90.3	2.68
8/13/18 1:00	3.07	92.1	3.22
8/13/18 2:00	4.26	93.0	4.03
8/13/18 3:00	5.24	87.2	5.43
8/13/18 4:00	5.42	84.4	5.76
8/13/18 5:00	5.61	82.6	6.26
8/13/18 6:00	5.48	82.8	6.15
8/13/18 7:00	5.46	82.6	5.53
8/13/18 8:00	5.75	81.4	4.99
8/13/18 9:00	6.91	79.7	4.44
8/13/18 10:00	8.68	74.6	3.94
8/13/18 11:00	10.71	66.8	3.89
8/13/18 12:00	13.24	61.2	3.37
8/13/18 13:00	14.24	54.2	3.46
8/13/18 14:00	12.35	57.8	4.53
8/13/18 15:00	12.30	58.6	3.43
8/13/18 16:00	12.33	58.3	2.05
8/13/18 17:00	12.26	57.2	2.91
8/13/18 18:00	11.64	57.9	2.13
8/13/18 19:00	12.03	57.0	1.03
8/13/18 20:00	11.88	57.8	1.66
8/13/18 21:00	11.14	62.4	2.87
8/13/18 22:00	9.49	70.8	3.87
8/13/18 23:00	8.03	78.8	4.85
8/14/18 0:00	7.38	83.9	5.28
8/14/18 1:00	8.20	84.4	5.31
8/14/18 2:00	8.61	87.5	5.73
8/14/18 3:00	8.33	91.9	7.08
8/14/18 4:00	8.23	95.1	6.97
8/14/18 5:00	8.45	95.8	7.64
8/14/18 6:00	8.54	95.7	7.55
8/14/18 7:00	8.62	94.0	8.85
8/14/18 8:00	8.80	92.3	10.29

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/14/18 9:00	10.09	89.8	10.52
8/14/18 10:00	10.35	90.0	9.78
8/14/18 11:00	10.65	88.9	10.56
8/14/18 12:00	10.53	89.2	9.22
8/14/18 13:00	11.69	86.8	8.73
8/14/18 14:00	12.95	84.8	8.61
8/14/18 15:00	13.10	85.7	8.28
8/14/18 16:00	12.68	90.3	7.81
8/14/18 17:00	11.79	95.2	6.15
8/14/18 18:00	11.58	96.6	4.74
8/14/18 19:00	11.80	97.1	3.85
8/14/18 20:00	11.90	97.1	3.14
8/14/18 21:00	11.94	97.0	2.93
8/14/18 22:00	11.68	97.0	2.78
8/14/18 23:00	11.34	96.9	2.31
8/15/18 0:00	11.28	97.2	2.70
8/15/18 1:00	11.13	95.9	9.04
8/15/18 2:00	10.25	95.6	9.31
8/15/18 3:00	9.80	95.6	8.64
8/15/18 4:00	9.39	96.0	7.87
8/15/18 5:00	8.80	94.7	7.67
8/15/18 6:00	7.82	93.3	9.14
8/15/18 7:00	7.25	92.3	8.47
8/15/18 8:00	6.68	93.7	8.58
8/15/18 9:00	6.33	95.0	9.03
8/15/18 10:00	6.69	90.5	8.72
8/15/18 11:00	6.84	87.7	8.84
8/15/18 12:00	7.40	86.6	8.88
8/15/18 13:00	7.89	83.2	8.99
8/15/18 14:00	7.63	81.3	9.15
8/15/18 15:00	7.55	80.0	10.11
8/15/18 16:00	6.90	80.0	10.43
8/15/18 17:00	6.90	77.5	10.48
8/15/18 18:00	6.83	71.9	10.44
8/15/18 19:00	6.43	71.6	9.32
8/15/18 20:00	6.27	71.1	8.97
8/15/18 21:00	6.31	68.7	9.53
8/15/18 22:00	5.60	70.1	9.27
8/15/18 23:00	4.50	75.4	6.72

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/16/18 0:00	4.52	78.6	5.38
8/16/18 1:00	4.46	85.7	6.91
8/16/18 2:00	4.00	87.3	6.79
8/16/18 3:00	3.58	87.5	7.32
8/16/18 4:00	2.53	90.7	6.73
8/16/18 5:00	2.04	94.0	6.10
8/16/18 6:00	1.96	95.4	5.32
8/16/18 7:00	3.40	91.8	3.79
8/16/18 8:00	6.21	79.9	4.57
8/16/18 9:00	6.72	71.5	5.22
8/16/18 10:00	6.93	67.8	4.58
8/16/18 11:00	9.89	56.3	4.91
8/16/18 12:00	10.56	59.3	5.41
8/16/18 13:00	10.65	58.0	6.52
8/16/18 14:00	11.16	46.8	7.76
8/16/18 15:00	12.29	44.4	7.51
8/16/18 16:00	12.23	49.2	8.32
8/16/18 17:00	12.50	54.0	8.99
8/16/18 18:00	12.10	62.8	8.20
8/16/18 19:00	11.74	69.6	7.21
8/16/18 20:00	11.58	72.0	5.20
8/16/18 21:00	11.48	71.9	5.57
8/16/18 22:00	10.60	77.8	4.81
8/16/18 23:00	10.53	79.4	5.97
8/17/18 0:00	10.32	79.8	7.10
8/17/18 1:00	10.41	80.9	7.41
8/17/18 2:00	9.91	85.8	7.41
8/17/18 3:00	9.95	87.5	6.35
8/17/18 4:00	9.44	89.3	6.73
8/17/18 5:00	9.01	90.6	6.76
8/17/18 6:00	8.68	91.3	6.42
8/17/18 7:00	8.72	91.3	5.96
8/17/18 8:00	9.22	89.5	5.32
8/17/18 9:00	10.95	84.1	5.53
8/17/18 10:00	13.50	72.8	6.02
8/17/18 11:00	15.83	61.2	5.02
8/17/18 12:00	17.00	55.7	4.61
8/17/18 13:00	16.95	53.6	5.14
8/17/18 14:00	16.92	52.2	5.93

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/17/18 15:00	16.70	52.9	5.88
8/17/18 16:00	17.66	50.0	5.46
8/17/18 17:00	17.70	48.0	5.66
8/17/18 18:00	17.53	47.4	5.96
8/17/18 19:00	17.48	47.2	5.75
8/17/18 20:00	16.62	51.4	4.05
8/17/18 21:00	14.36	64.0	2.44
8/17/18 22:00	13.34	69.3	3.17
8/17/18 23:00	13.07	69.5	3.90
8/18/18 0:00	12.29	75.6	3.70
8/18/18 1:00	12.01	78.6	2.95
8/18/18 2:00	10.92	80.8	2.74
8/18/18 3:00	9.82	84.1	1.89
8/18/18 4:00	8.67	87.2	1.67
8/18/18 5:00	8.57	87.0	2.01
8/18/18 6:00	8.66	85.1	1.74
8/18/18 7:00	9.87	80.6	2.64
8/18/18 8:00	11.93	75.8	2.11
8/18/18 9:00	12.60	76.1	2.68
8/18/18 10:00	15.12	66.0	3.95
8/18/18 11:00	14.49	69.5	4.16
8/18/18 12:00	12.54	74.9	7.52
8/18/18 13:00	8.87	90.5	9.20
8/18/18 14:00	6.63	94.6	11.28
8/18/18 15:00	5.90	93.6	11.38
8/18/18 16:00	6.08	89.9	10.96
8/18/18 17:00	5.96	87.3	11.23
8/18/18 18:00	6.34	77.8	11.19
8/18/18 19:00	6.35	70.9	10.12
8/18/18 20:00	6.62	69.2	8.34
8/18/18 21:00	6.34	73.4	8.06
8/18/18 22:00	5.30	86.8	7.95
8/18/18 23:00	4.46	88.9	6.49
8/19/18 0:00	3.92	86.1	7.31
8/19/18 1:00	3.88	79.1	8.54
8/19/18 2:00	3.39	81.8	8.23
8/19/18 3:00	2.88	84.6	8.28
8/19/18 4:00	2.06	83.9	8.21
8/19/18 5:00	2.12	89.3	8.13

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/19/18 6:00	2.80	88.7	8.53
8/19/18 7:00	3.19	87.8	8.75
8/19/18 8:00	4.15	85.6	8.71
8/19/18 9:00	4.47	82.8	8.57
8/19/18 10:00	5.39	78.5	8.92
8/19/18 11:00	5.02	82.9	9.79
8/19/18 12:00	5.37	80.7	9.49
8/19/18 13:00	5.85	73.4	10.56
8/19/18 14:00	6.35	69.7	10.41
8/19/18 15:00	6.16	69.6	9.31
8/19/18 16:00	6.60	67.5	9.19
8/19/18 17:00	5.47	79.3	9.11
8/19/18 18:00	6.21	73.9	9.04
8/19/18 19:00	6.42	69.2	8.56
8/19/18 20:00	6.61	69.6	6.85
8/19/18 21:00	5.59	77.9	7.40
8/19/18 22:00	4.48	86.5	6.63
8/19/18 23:00	3.73	87.6	5.96
8/20/18 0:00	3.08	89.3	6.02
8/20/18 1:00	2.42	93.3	5.17
8/20/18 2:00	2.47	94.5	3.98
8/20/18 3:00	3.34	91.8	4.63
8/20/18 4:00	3.11	90.7	5.67
8/20/18 5:00	2.76	91.8	4.43
8/20/18 6:00	2.47	93.9	3.91
8/20/18 7:00	2.96	92.7	3.54
8/20/18 8:00	3.29	90.8	3.96
8/20/18 9:00	3.91	84.9	4.73
8/20/18 10:00	4.40	81.8	4.83
8/20/18 11:00	5.08	75.3	5.49
8/20/18 12:00	5.14	78.5	5.85
8/20/18 13:00	5.59	71.6	6.47
8/20/18 14:00	6.49	68.8	6.50
8/20/18 15:00	6.29	68.4	7.15
8/20/18 16:00	6.04	69.6	6.81
8/20/18 17:00	6.34	69.0	6.07
8/20/18 18:00	6.95	66.8	5.22
8/20/18 19:00	7.00	69.9	5.16
8/20/18 20:00	6.87	72.8	4.44

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/20/18 21:00	6.18	83.2	3.40
8/20/18 22:00	6.02	86.0	3.58
8/20/18 23:00	6.15	89.3	4.59
8/21/18 0:00	6.03	90.8	5.30
8/21/18 1:00	5.66	93.6	4.53
8/21/18 2:00	5.10	95.6	4.23
8/21/18 3:00	4.82	96.3	4.08
8/21/18 4:00	4.12	95.6	7.03
8/21/18 5:00	2.44	96.2	9.18
8/21/18 6:00	1.41	93.3	8.29
8/21/18 7:00	1.04	92.3	6.62
8/21/18 8:00	1.37	92.1	7.69
8/21/18 9:00	1.57	94.6	7.29
8/21/18 10:00	2.22	86.8	8.17
8/21/18 11:00	2.75	88.4	7.58
8/21/18 12:00	3.42	84.6	6.64
8/21/18 13:00	4.43	76.3	7.12
8/21/18 14:00	4.91	74.4	6.64
8/21/18 15:00	5.75	74.4	6.87
8/21/18 16:00	5.22	83.8	7.37
8/21/18 17:00	4.66	83.8	7.09
8/21/18 18:00	4.74	82.0	6.41
8/21/18 19:00	4.19	86.0	6.55
8/21/18 20:00	3.71	88.1	5.54
8/21/18 21:00	3.20	88.8	4.41
8/21/18 22:00	2.31	90.5	3.33
8/21/18 23:00	2.13	91.6	3.24
8/22/18 0:00	1.90	94.8	3.28
8/22/18 1:00	1.95	92.4	3.87
8/22/18 2:00	1.43	92.9	4.99
8/22/18 3:00	0.95	93.5	4.53
8/22/18 4:00	0.73	94.1	5.05
8/22/18 5:00	0.42	95.5	4.76
8/22/18 6:00	0.60	94.7	4.17
8/22/18 7:00	0.83	93.6	5.14
8/22/18 8:00	1.41	95.7	4.23
8/22/18 9:00	1.19	94.6	4.64
8/22/18 10:00	1.76	91.4	5.17
8/22/18 11:00	2.70	86.5	7.47

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/22/18 12:00	3.38	81.0	7.88
8/22/18 13:00	3.35	81.4	9.50
8/22/18 14:00	3.92	74.4	10.36
8/22/18 15:00	4.46	71.4	10.77
8/22/18 16:00	4.19	79.8	10.62
8/22/18 17:00	4.66	77.5	10.12
8/22/18 18:00	4.83	74.8	10.17
8/22/18 19:00	5.27	67.0	10.16
8/22/18 20:00	5.05	65.7	9.59
8/22/18 21:00	4.38	69.4	9.14
8/22/18 22:00	3.48	79.7	9.07
8/22/18 23:00	2.74	85.0	8.20
8/23/18 0:00	2.74	81.3	8.72
8/23/18 1:00	2.52	76.3	8.65
8/23/18 2:00	2.12	78.9	8.23
8/23/18 3:00	1.88	80.6	9.36
8/23/18 4:00	1.66	86.5	9.75
8/23/18 5:00	1.61	90.5	9.47
8/23/18 6:00	1.97	95.6	7.67
8/23/18 7:00	2.32	97.4	6.83
8/23/18 8:00	2.52	98.3	9.47
8/23/18 9:00	2.21	97.4	10.41
8/23/18 10:00	2.15	96.4	11.20
8/23/18 11:00	2.23	94.6	11.61
8/23/18 12:00	2.26	95.4	10.82
8/23/18 13:00	2.63	93.1	11.10
8/23/18 14:00	3.04	90.1	10.90
8/23/18 15:00	3.16	88.4	11.30
8/23/18 16:00	3.80	85.5	10.74
8/23/18 17:00	3.97	83.9	11.37
8/23/18 18:00	3.96	85.0	11.18
8/23/18 19:00	3.62	87.9	11.61
8/23/18 20:00	3.48	88.9	12.20
8/23/18 21:00	3.42	90.4	10.13
8/23/18 22:00	3.15	94.1	10.27
8/23/18 23:00	2.83	95.3	11.23
8/24/18 0:00	2.44	97.2	11.61
8/24/18 1:00	2.02	97.8	11.61
8/24/18 2:00	1.35	98.6	11.18

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/24/18 3:00	0.91	99.3	11.40
8/24/18 4:00	0.70	99.6	10.92
8/24/18 5:00	0.44	97.8	11.89
8/24/18 6:00	0.19	97.2	11.61
8/24/18 7:00	0.12	96.0	11.36
8/24/18 8:00	0.32	97.5	10.76
8/24/18 9:00	0.72	97.4	11.05
8/24/18 10:00	1.10	93.2	11.32
8/24/18 11:00	1.79	91.1	11.53
8/27/18 9:00	3.66	93.0	0.98
8/27/18 10:00	5.13	85.2	2.09
8/27/18 11:00	6.92	73.9	3.09
8/27/18 12:00	10.04	58.9	3.16
8/27/18 13:00	10.59	54.6	3.36
8/27/18 14:00	10.89	53.1	3.19
8/27/18 15:00	11.76	48.6	2.64
8/27/18 16:00	11.57	47.8	2.64
8/27/18 17:00	11.35	51.0	3.28
8/27/18 18:00	11.01	52.7	2.72
8/27/18 19:00	10.16	58.0	2.50
8/27/18 20:00	9.48	63.0	2.16
8/27/18 21:00	8.73	65.3	2.57
8/27/18 22:00	7.96	68.3	3.26
8/27/18 23:00	7.15	79.7	3.28
8/28/18 0:00	6.76	84.7	3.07
8/28/18 1:00	6.46	89.1	3.72
8/28/18 2:00	6.44	89.9	4.46
8/28/18 3:00	6.24	92.4	4.79
8/28/18 4:00	6.06	92.5	4.45
8/28/18 5:00	5.96	91.8	4.58
8/28/18 6:00	5.84	92.4	4.19
8/28/18 7:00	5.71	93.5	3.47
8/28/18 8:00	5.80	93.8	3.09
8/28/18 9:00	6.05	94.7	3.81
8/28/18 10:00	7.18	91.8	4.43
8/28/18 11:00	7.69	90.2	6.05
8/28/18 12:00	9.39	82.7	6.53
8/28/18 13:00	10.20	77.0	6.58
8/28/18 14:00	11.46	73.1	6.30

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/28/18 15:00	13.51	58.6	5.69
8/28/18 16:00	13.92	54.7	5.38
8/28/18 17:00	13.72	52.2	5.00
8/28/18 18:00	14.12	49.4	4.99
8/28/18 19:00	12.53	59.3	3.32
8/28/18 20:00	12.14	63.0	3.00
8/28/18 21:00	10.26	65.8	3.49
8/28/18 22:00	8.44	71.6	3.72
8/28/18 23:00	8.23	73.6	4.44
8/29/18 0:00	8.23	75.8	4.24
8/29/18 1:00	9.54	63.8	4.39
8/29/18 2:00	7.93	74.1	5.24
8/29/18 3:00	6.98	78.2	5.65
8/29/18 4:00	6.69	81.6	4.91
8/29/18 5:00	6.34	84.9	5.31
8/29/18 6:00	6.60	86.8	5.78
8/29/18 7:00	7.14	87.3	6.79
8/29/18 8:00	6.83	93.0	6.96
8/29/18 9:00	7.32	94.1	6.74
8/29/18 10:00	7.14	95.2	5.61
8/29/18 11:00	7.16	96.8	3.67
8/29/18 12:00	7.98	97.1	2.06
8/29/18 13:00	8.56	92.9	3.58
8/29/18 14:00	8.53	92.3	1.25
8/29/18 15:00	10.25	84.9	1.43
8/29/18 16:00	11.24	75.7	1.96
8/29/18 17:00	10.64	76.0	1.55
8/29/18 18:00	10.60	74.8	2.90
8/29/18 19:00	9.97	77.1	4.07
8/29/18 20:00	9.31	79.2	3.94
8/29/18 21:00	8.86	82.1	3.98
8/29/18 22:00	8.01	86.3	3.16
8/29/18 23:00	7.50	89.7	1.98
8/30/18 0:00	7.59	88.9	2.28
8/30/18 1:00	6.17	92.7	2.55
8/30/18 2:00	5.60	94.9	3.79
8/30/18 3:00	4.81	96.0	2.85
8/30/18 4:00	3.86	97.9	4.11
8/30/18 5:00	3.36	98.8	3.76

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/30/18 6:00	3.27	99.2	2.80
8/30/18 7:00	3.60	99.4	1.96
8/30/18 8:00	3.76	99.2	3.03
8/30/18 9:00	3.56	99.4	5.18
8/30/18 10:00	3.77	99.5	4.23
8/30/18 11:00	5.01	99.2	3.77
8/30/18 12:00	6.35	98.7	2.79
8/30/18 13:00	7.33	95.5	3.51
8/30/18 14:00	8.32	87.5	2.91
8/30/18 15:00	9.22	81.1	3.26
8/30/18 16:00	9.93	78.5	3.34
8/30/18 17:00	9.97	77.7	3.41
8/30/18 18:00	9.75	77.8	3.07
8/30/18 19:00	9.39	78.1	3.23
8/30/18 20:00	8.98	79.3	3.48
8/30/18 21:00	7.77	83.7	3.16
8/30/18 22:00	6.56	87.4	3.17
8/30/18 23:00	5.67	90.0	3.15
8/31/18 0:00	4.72	94.1	2.96
8/31/18 1:00	4.16	95.8	2.43
8/31/18 2:00	3.87	96.9	1.78
8/31/18 3:00	3.57	96.5	1.83
8/31/18 4:00	3.32	97.5	1.37
8/31/18 5:00	3.10	98.3	1.27
8/31/18 6:00	2.45	99.1	0.08
8/31/18 7:00	2.51	99.4	0.80
8/31/18 8:00	6.05	91.4	1.07
8/31/18 9:00	7.70	84.0	1.62
8/31/18 10:00	7.31	85.6	2.54
8/31/18 11:00	8.52	80.1	2.48
8/31/18 12:00	10.78	70.7	1.83
8/31/18 13:00	11.68	64.6	2.35
8/31/18 14:00	11.67	63.1	2.56
8/31/18 15:00	12.22	58.7	2.04
8/31/18 16:00	12.96	50.6	2.09
8/31/18 17:00	12.57	55.4	3.46
8/31/18 18:00	12.28	54.7	3.18
8/31/18 19:00	12.01	56.3	3.09
8/31/18 20:00	11.54	59.1	3.02

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
8/31/18 21:00	9.93	66.2	2.77
8/31/18 22:00	8.01	74.1	3.23
8/31/18 23:00	6.44	80.0	3.40
9/01/18 0:00	5.70	82.9	3.33
9/01/18 1:00	5.20	85.2	3.27
9/01/18 2:00	5.27	84.4	3.49
9/01/18 3:00	4.86	86.6	3.24
9/01/18 4:00	4.13	90.5	2.94
9/01/18 5:00	3.30	94.0	1.33
9/01/18 6:00	3.76	94.2	1.56
9/01/18 7:00	3.75	93.4	1.39
9/01/18 8:00	6.93	80.6	1.75
9/01/18 9:00	8.23	80.6	2.74
9/01/18 10:00	8.73	79.6	4.39
9/01/18 11:00	9.84	71.6	6.11
9/01/18 12:00	10.57	62.6	6.59
9/01/18 13:00	10.84	58.3	5.96
9/01/18 14:00	10.96	54.3	6.61
9/01/18 15:00	11.20	51.2	7.00
9/01/18 16:00	11.34	51.6	6.32
9/01/18 17:00	11.47	52.0	5.77
9/01/18 18:00	11.22	54.8	5.79
9/01/18 19:00	10.68	61.3	6.34
9/01/18 20:00	10.14	66.3	5.84
9/01/18 21:00	8.40	74.4	5.08
9/01/18 22:00	6.78	82.3	5.10
9/01/18 23:00	6.12	86.1	5.46
9/02/18 0:00	5.93	87.2	4.73
9/02/18 1:00	6.53	87.1	4.80
9/02/18 2:00	6.20	88.9	5.12
9/02/18 3:00	5.88	91.7	5.64
9/02/18 4:00	6.60	91.5	6.28
9/02/18 5:00	5.98	93.4	5.40
9/02/18 6:00	6.41	93.7	6.81
9/02/18 7:00	6.27	95.0	7.10
9/02/18 8:00	6.49	95.4	6.64
9/02/18 9:00	6.85	94.5	7.81
9/02/18 10:00	6.84	94.8	6.38
9/02/18 11:00	7.28	93.5	7.96

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
9/02/18 12:00	8.08	91.2	8.58
9/02/18 13:00	9.25	88.4	9.54
9/02/18 14:00	9.60	87.7	8.91
9/02/18 15:00	10.11	88.3	6.94
9/02/18 16:00	10.32	87.7	6.77
9/02/18 17:00	10.18	93.3	6.32
9/02/18 18:00	10.67	91.1	5.01
9/02/18 19:00	9.88	90.6	6.35
9/02/18 20:00	9.54	91.1	4.29
9/02/18 21:00	9.04	94.2	4.87
9/02/18 22:00	8.87	94.7	3.86
9/02/18 23:00	8.53	95.3	3.13
9/03/18 0:00	8.17	95.9	3.06
9/03/18 1:00	7.91	96.1	3.00
9/03/18 2:00	7.65	96.7	2.09
9/03/18 3:00	6.89	97.5	5.57
9/03/18 4:00	6.05	97.8	7.16
9/03/18 5:00	5.63	97.4	5.90
9/03/18 6:00	5.29	96.4	4.66
9/03/18 7:00	5.33	94.9	3.97
9/03/18 8:00	5.20	95.2	3.35
9/03/18 9:00	5.15	95.7	3.59
9/03/18 10:00	5.60	94.6	3.17
9/03/18 11:00	6.28	92.1	2.18
9/03/18 12:00	7.19	88.7	1.37
9/03/18 13:00	7.92	86.6	2.00
9/03/18 14:00	9.84	79.2	2.85
9/03/18 15:00	10.12	77.3	3.25
9/03/18 16:00	10.42	76.2	4.22
9/03/18 17:00	10.37	75.8	3.42
9/03/18 18:00	11.11	76.2	3.88
9/03/18 19:00	11.05	71.8	4.58
9/03/18 20:00	10.62	78.6	4.67
9/03/18 21:00	10.17	83.4	5.60
9/03/18 22:00	9.44	87.2	5.46
9/03/18 23:00	9.38	87.5	5.59
9/04/18 0:00	9.27	88.9	5.30
9/04/18 1:00	9.11	89.4	6.56
9/04/18 2:00	6.30	94.2	7.28

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
9/04/18 3:00	4.14	97.2	7.38
9/04/18 4:00	3.27	97.0	7.15
9/04/18 5:00	2.68	97.4	7.32
9/04/18 6:00	1.87	97.1	7.07
9/04/18 7:00	0.65	98.7	5.78
9/04/18 8:00	0.34	99.8	5.30
9/04/18 9:00	0.35	100.0	5.64
9/04/18 10:00	0.34	100.0	5.72
9/04/18 11:00	0.43	99.8	6.56
9/04/18 12:00	0.53	99.1	6.75
9/04/18 13:00	0.55	99.0	7.12
9/04/18 14:00	0.94	97.8	7.36
9/04/18 15:00	1.78	93.7	6.75
9/04/18 16:00	2.22	91.1	5.83
9/04/18 17:00	2.74	82.3	5.46
9/04/18 18:00	3.19	78.0	4.75
9/04/18 19:00	3.51	75.6	2.37
9/04/18 20:00	3.23	77.0	0.89
9/04/18 21:00	2.61	81.6	1.87
9/04/18 22:00	1.83	85.9	2.53
9/04/18 23:00	0.81	91.0	3.10
9/05/18 0:00	0.71	93.8	3.57
9/05/18 1:00	1.87	91.7	4.53
9/05/18 2:00	2.49	89.1	5.37
9/05/18 3:00	2.73	88.1	5.31
9/05/18 4:00	2.87	88.9	5.27
9/05/18 5:00	3.10	89.9	5.53
9/05/18 6:00	2.94	92.4	4.25
9/05/18 7:00	3.08	94.3	4.00
9/05/18 8:00	3.55	95.2	4.72
9/05/18 9:00	4.40	94.9	4.02
9/05/18 10:00	4.84	93.6	4.36
9/05/18 11:00	5.13	92.7	4.75
9/05/18 12:00	6.29	89.3	4.06
9/05/18 13:00	6.99	84.4	4.68
9/05/18 14:00	8.12	78.7	4.91
9/05/18 15:00	7.79	79.1	4.46
9/05/18 16:00	7.29	84.3	5.00
9/05/18 17:00	6.78	87.5	4.66

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
9/05/18 18:00	6.63	89.5	3.54
9/05/18 19:00	4.58	93.3	8.47
9/05/18 20:00	2.82	95.4	10.61
9/05/18 21:00	2.00	95.0	11.03
9/05/18 22:00	1.47	96.5	10.23
9/05/18 23:00	1.48	93.9	9.50
9/06/18 0:00	1.40	92.2	9.39
9/06/18 1:00	1.41	93.2	8.72
9/06/18 2:00	1.58	95.7	7.86
9/06/18 3:00	1.71	96.0	7.33
9/06/18 4:00	1.70	97.4	7.17
9/06/18 5:00	1.68	98.4	6.51
9/06/18 6:00	1.52	98.0	7.44
9/06/18 7:00	1.30	97.8	8.70
9/06/18 8:00	1.57	97.0	11.54
9/06/18 9:00	1.42	96.8	13.06
9/06/18 10:00	1.61	96.7	13.25
9/06/18 11:00	1.81	95.7	13.17
9/06/18 12:00	1.98	93.4	12.25
9/06/18 13:00	2.22	90.5	11.85
9/06/18 14:00	2.82	87.4	11.54
9/06/18 15:00	2.94	85.0	11.51
9/06/18 16:00	2.78	82.9	10.84
9/06/18 17:00	3.19	77.6	9.48
9/06/18 18:00	3.23	71.3	9.25
9/06/18 19:00	2.93	70.5	8.29
9/06/18 20:00	2.61	69.9	7.34
9/06/18 21:00	2.24	71.2	6.38
9/06/18 22:00	1.85	71.4	6.27
9/06/18 23:00	1.57	70.3	5.02
9/07/18 0:00	0.94	71.7	3.85
9/07/18 1:00	-0.19	77.4	1.66
9/07/18 2:00	-1.03	84.4	0.84
9/07/18 3:00	-1.58	90.9	1.59
9/07/18 4:00	-0.74	92.5	3.23
9/07/18 5:00	-0.05	90.9	3.29
9/07/18 6:00	-0.66	90.4	4.31
9/07/18 7:00	-0.30	91.4	4.77
9/07/18 8:00	0.82	88.5	4.83

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
9/07/18 9:00	1.52	90.6	5.22
9/07/18 10:00	2.38	91.7	5.68
9/07/18 11:00	3.39	88.9	5.39
9/07/18 12:00	5.78	80.4	5.51
9/07/18 13:00	8.08	71.2	6.23
9/07/18 14:00	9.76	65.8	6.76
9/07/18 15:00	11.12	56.2	7.53
9/07/18 16:00	11.43	54.8	7.36
9/07/18 17:00	10.66	54.2	7.35
9/07/18 18:00	10.36	56.2	6.51
9/07/18 19:00	10.02	56.1	5.73
9/07/18 20:00	8.85	61.4	4.15
9/07/18 21:00	6.84	70.6	3.22
9/07/18 22:00	5.43	78.8	2.86
9/07/18 23:00	4.75	82.0	2.93
9/08/18 0:00	4.54	84.2	2.46
9/08/18 1:00	4.32	85.3	2.36
9/08/18 2:00	3.49	87.8	3.49
9/08/18 3:00	3.47	93.1	5.28
9/08/18 4:00	4.07	95.9	6.39
9/08/18 5:00	3.32	93.4	6.86
9/08/18 6:00	2.29	95.2	6.70
9/08/18 7:00	1.55	94.0	7.16
9/08/18 8:00	0.63	96.5	7.49
9/08/18 9:00	0.47	90.4	7.52
9/08/18 10:00	0.45	84.1	6.91
9/08/18 11:00	1.14	78.3	6.72
9/08/18 12:00	3.01	69.2	6.67
9/08/18 13:00	3.86	65.3	7.20
9/08/18 14:00	4.18	64.8	7.97
9/08/18 15:00	4.82	65.8	7.50
9/08/18 16:00	4.46	74.5	7.73
9/08/18 17:00	3.92	76.1	8.02
9/08/18 18:00	3.88	67.1	7.80
9/08/18 19:00	3.56	69.6	6.86
9/08/18 20:00	2.43	79.2	5.29
9/08/18 21:00	1.48	88.2	4.30
9/08/18 22:00	1.10	92.9	3.97
9/08/18 23:00	0.68	91.1	3.05

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
9/09/18 0:00	1.09	90.2	5.05
9/09/18 1:00	0.94	91.4	5.84
9/09/18 2:00	0.51	88.7	6.46
9/09/18 3:00	0.56	82.9	5.37
9/09/18 4:00	0.68	81.3	3.63
9/09/18 5:00	0.79	86.6	4.60
9/09/18 6:00	0.72	92.5	5.68
9/09/18 7:00	0.67	93.7	5.49
9/09/18 8:00	0.79	93.8	5.91
9/09/18 9:00	1.30	90.6	6.74
9/09/18 10:00	1.47	89.5	7.93
9/09/18 11:00	1.71	91.5	8.70
9/09/18 12:00	2.25	91.2	8.69
9/09/18 13:00	3.29	87.8	8.23
9/09/18 14:00	3.69	81.5	10.16
9/09/18 15:00	2.35	93.0	9.16
9/09/18 16:00	3.39	88.1	10.30
9/09/18 17:00	3.03	85.4	11.36
9/09/18 18:00	2.18	88.0	10.35
9/09/18 19:00	1.84	82.9	9.74
9/09/18 20:00	1.41	85.1	8.54
9/09/18 21:00	0.72	91.1	7.98
9/09/18 22:00	-0.08	93.0	8.73
9/09/18 23:00	-0.32	93.1	7.21
9/10/18 0:00	-0.45	92.3	7.73
9/10/18 1:00	-0.75	88.2	7.74
9/10/18 2:00	-0.29	85.3	6.65
9/10/18 3:00	-0.08	83.1	3.81
9/10/18 4:00	0.00	87.2	3.44
9/10/18 5:00	0.06	89.1	3.30
9/10/18 6:00	0.35	90.1	3.73
9/10/18 7:00	0.32	95.4	4.00
9/10/18 8:00	0.51	95.2	3.57
9/10/18 9:00	0.67	95.1	4.90
9/10/18 10:00	0.59	98.2	5.49
9/10/18 11:00	1.08	98.6	6.53
9/10/18 12:00	1.81	97.8	7.43
9/10/18 13:00	2.75	95.7	8.06
9/10/18 14:00	3.45	92.0	7.72

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
9/10/18 15:00	3.66	90.6	7.60
9/10/18 16:00	4.27	90.0	8.09
9/10/18 17:00	4.79	87.0	7.49
9/10/18 18:00	3.97	88.2	7.19
9/10/18 19:00	3.86	91.4	6.12
9/10/18 20:00	3.16	91.7	5.87
9/10/18 21:00	2.12	93.5	5.11
9/10/18 22:00	2.22	94.3	6.45
9/10/18 23:00	0.95	97.1	8.48
9/11/18 0:00	0.51	99.0	10.28
9/11/18 1:00	0.20	98.4	10.41
9/11/18 2:00	-0.24	96.5	10.41
9/11/18 3:00	-0.91	94.9	9.94
9/11/18 4:00	-1.33	90.8	8.60
9/11/18 5:00	-1.69	89.7	7.46
9/11/18 6:00	-2.55	91.4	6.50
9/11/18 7:00	-2.66	93.5	6.40
9/11/18 8:00	-2.43	92.9	6.75
9/11/18 9:00	-1.47	86.8	5.16
9/11/18 10:00	-1.42	85.7	4.50
9/11/18 11:00	-1.07	82.2	4.45
9/11/18 12:00	-0.84	85.7	5.00
9/11/18 13:00	0.77	75.4	5.10
9/11/18 14:00	0.78	70.7	4.54
9/11/18 15:00	1.70	69.0	3.57
9/11/18 16:00	1.79	75.0	4.21
9/11/18 17:00	1.18	80.6	4.56
9/11/18 18:00	1.01	81.6	4.77
9/11/18 19:00	0.10	88.8	4.91
9/11/18 20:00	-0.38	92.5	3.84
9/11/18 21:00	-0.82	88.6	4.00
9/11/18 22:00	-0.98	91.8	4.74
9/11/18 23:00	-1.74	93.1	4.12
9/12/18 0:00	-2.17	94.9	4.58
9/12/18 1:00	-2.35	95.0	4.29
9/12/18 2:00	-2.70	95.5	3.80
9/12/18 3:00	-2.95	96.8	2.87
9/12/18 4:00	-2.41	97.5	2.77
9/12/18 5:00	-2.47	96.9	3.98

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
9/12/18 6:00	-3.00	96.4	4.42
9/12/18 7:00	-3.13	96.3	3.69
9/12/18 8:00	-1.97	95.7	4.98
9/12/18 9:00	-1.28	93.1	4.85
9/12/18 10:00	-0.94	93.3	4.89
9/12/18 11:00	-0.54	91.8	6.15
9/12/18 12:00	-0.18	86.8	6.59
9/12/18 13:00	-0.03	84.1	6.97
9/12/18 14:00	0.59	79.9	7.47
9/12/18 15:00	0.52	78.3	7.02
9/12/18 16:00	1.05	79.3	6.83
9/12/18 17:00	1.24	81.7	6.42
9/12/18 18:00	1.09	81.0	6.73
9/12/18 19:00	0.48	81.6	5.82
9/12/18 20:00	0.22	82.9	6.00
9/12/18 21:00	-0.12	88.1	6.58
9/12/18 22:00	-0.76	90.2	7.31
9/12/18 23:00	-1.18	91.3	7.20
9/13/18 0:00	-0.97	90.2	7.52
9/13/18 1:00	-1.26	91.5	7.19
9/13/18 2:00	-1.35	92.5	7.35
9/13/18 3:00	-1.41	90.1	8.36
9/13/18 4:00	-1.66	90.9	7.11
9/13/18 5:00	-1.74	88.6	6.80
9/13/18 6:00	-1.81	91.9	7.58
9/13/18 7:00	-1.99	90.2	6.00
9/13/18 8:00	-1.67	87.0	5.62
9/13/18 9:00	-1.12	83.8	6.18
9/13/18 10:00	-0.63	80.9	6.87
9/13/18 11:00	-0.46	79.0	6.31
9/13/18 12:00	1.05	75.4	6.68
9/13/18 13:00	1.16	77.0	7.10
9/13/18 14:00	1.27	78.6	7.40
9/13/18 15:00	0.81	78.2	6.95
9/13/18 16:00	0.71	75.6	7.06
9/13/18 17:00	1.01	73.1	6.19
9/13/18 18:00	0.90	72.2	6.42
9/13/18 19:00	0.60	71.6	5.65
9/13/18 20:00	0.43	72.1	4.50

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
9/13/18 21:00	-0.04	77.0	5.13
9/13/18 22:00	-0.92	88.6	3.79
9/13/18 23:00	-0.89	90.0	4.08
9/14/18 0:00	-0.80	89.5	3.83
9/14/18 1:00	-0.77	89.4	3.33
9/14/18 2:00	-1.08	88.6	3.30
9/14/18 3:00	-0.97	86.3	3.64
9/14/18 4:00	-1.11	84.9	2.96
9/14/18 5:00	-1.12	82.7	3.65
9/14/18 6:00	-1.46	80.0	4.05
9/14/18 7:00	-1.80	79.0	5.20
9/14/18 8:00	-1.75	75.7	5.73
9/14/18 9:00	-1.21	72.0	5.72
9/14/18 10:00	-0.66	72.1	5.20
9/14/18 11:00	-0.45	70.5	5.53
9/14/18 12:00	-0.22	72.7	5.71
9/14/18 13:00	0.35	67.7	5.64
9/14/18 14:00	0.53	65.9	6.57
9/14/18 15:00	0.59	67.1	6.43
9/14/18 16:00	0.96	64.1	6.32
9/14/18 17:00	0.91	65.9	6.11
9/14/18 18:00	0.61	70.1	6.28
9/14/18 19:00	0.39	73.7	5.80
9/14/18 20:00	0.19	76.2	6.23
9/14/18 21:00	-0.07	80.3	5.87
9/14/18 22:00	-0.65	87.1	5.61
9/14/18 23:00	-1.08	93.1	4.73
9/15/18 0:00	-0.82	89.7	4.38
9/15/18 1:00	-0.85	93.3	6.57
9/15/18 2:00	-0.98	95.0	5.33
9/15/18 3:00	-1.33	94.8	3.90
9/15/18 4:00	-1.67	95.3	3.13
9/15/18 5:00	-1.82	96.2	3.16
9/15/18 6:00	-2.11	95.8	3.31
9/15/18 7:00	-2.65	96.2	3.01
9/15/18 8:00	-2.74	97.5	3.44
9/15/18 9:00	-1.43	93.0	3.14
9/15/18 10:00	-1.27	93.0	5.22
9/15/18 11:00	-0.93	91.2	6.32

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
9/15/18 12:00	-0.91	92.4	5.82
9/15/18 13:00	-0.77	91.0	6.62
9/15/18 14:00	-0.01	85.3	6.79
9/15/18 15:00	0.44	81.4	7.07
9/15/18 16:00	0.86	77.8	6.50
9/15/18 17:00	1.39	77.3	6.92
9/15/18 18:00	0.40	81.3	6.60
9/15/18 19:00	0.53	83.1	6.66
9/15/18 20:00	-0.58	87.4	6.44
9/15/18 21:00	-1.21	93.4	5.89
9/15/18 22:00	-1.62	95.2	6.26
9/15/18 23:00	-1.87	94.6	6.37
9/16/18 0:00	-1.96	93.8	6.82
9/16/18 1:00	-1.87	93.8	5.64
9/16/18 2:00	-2.21	94.5	6.60
9/16/18 3:00	-2.04	91.2	6.24
9/16/18 4:00	-2.02	93.2	6.55
9/16/18 5:00	-2.40	91.5	7.18
9/16/18 6:00	-2.42	90.3	6.43
9/16/18 7:00	-2.79	89.5	6.96
9/16/18 8:00	-3.73	91.9	7.05
9/16/18 9:00	-3.11	85.5	7.36
9/16/18 10:00	-2.57	88.4	7.69
9/16/18 11:00	-1.47	81.7	6.79
9/16/18 12:00	-0.71	81.5	7.47
9/16/18 13:00	-0.17	76.8	7.92
9/16/18 14:00	-0.51	77.1	9.38
9/16/18 15:00	-0.51	79.4	9.15
9/16/18 16:00	-0.25	81.0	9.32
9/16/18 17:00	-0.28	78.2	9.37
9/16/18 18:00	-0.40	80.1	8.14
9/16/18 19:00	-0.61	80.6	7.31
9/16/18 20:00	-0.76	82.5	6.56
9/16/18 21:00	-0.91	83.8	6.75
9/16/18 22:00	-0.89	84.9	6.63
9/16/18 23:00	-0.79	85.5	7.32
9/17/18 0:00	-0.72	85.7	7.35
9/17/18 1:00	-0.53	85.9	7.12
9/17/18 2:00	-0.45	87.6	7.65

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
9/17/18 3:00	-0.41	89.0	6.63
9/17/18 4:00	-0.44	90.0	5.28
9/17/18 5:00	-0.74	89.9	6.79
9/17/18 6:00	-1.07	90.4	6.68
9/17/18 7:00	-1.67	92.0	7.03
9/17/18 8:00	-1.93	92.5	6.76
9/17/18 9:00	-1.54	88.9	8.89
9/17/18 10:00	-1.55	88.4	8.58
9/17/18 11:00	-0.87	83.7	8.98
9/17/18 12:00	-0.71	81.3	9.79
9/17/18 13:00	0.04	76.9	9.98
9/17/18 14:00	0.77	76.5	8.27
9/17/18 15:00	0.91	86.3	7.96
9/17/18 16:00	1.61	82.6	7.22
9/17/18 17:00	1.86	82.4	6.23
9/17/18 18:00	2.38	86.2	6.84
9/17/18 19:00	2.72	86.0	7.36
9/17/18 20:00	2.66	86.8	7.94
9/17/18 21:00	2.76	84.6	8.47
9/17/18 22:00	2.70	82.1	8.87
9/17/18 23:00	2.61	80.3	9.08
9/18/18 0:00	2.56	81.3	9.70
9/18/18 1:00	2.29	84.2	8.57
9/18/18 2:00	0.21	93.6	7.21
9/18/18 3:00	-1.76	96.8	9.09
9/18/18 4:00	-2.81	96.0	9.93
9/18/18 5:00	-3.58	93.8	10.13
9/18/18 6:00	-4.10	93.6	8.92
9/18/18 7:00	-4.69	90.8	8.43
9/18/18 8:00	-5.36	92.6	8.43
9/18/18 9:00	-5.92	92.7	7.81
9/18/18 10:00	-6.18	92.9	7.06
9/18/18 11:00	-5.32	87.1	6.92
9/18/18 12:00	-4.76	84.3	6.36
9/18/18 13:00	-4.51	80.9	5.68
9/18/18 14:00	-3.88	76.7	5.43
9/18/18 15:00	-3.63	74.1	6.47
9/18/18 16:00	-3.45	71.8	5.01
9/18/18 17:00	-2.84	69.0	4.22

Date and Time	Average Temperature (°C)	Relative Humidity	Average Wind Speed (m/s)
9/18/18 18:00	-3.11	69.6	2.95
9/18/18 19:00	-3.54	74.4	4.45
9/18/18 20:00	-3.97	74.7	5.01
9/18/18 21:00	-5.01	81.0	3.94
9/18/18 22:00	-5.45	83.4	3.23
9/18/18 23:00	-4.96	84.4	2.98
9/19/18 0:00	-4.69	86.3	4.04
9/19/18 1:00	-4.50	92.1	5.63
9/19/18 2:00	-5.61	88.7	4.80
9/19/18 3:00	-6.18	89.4	4.97
9/19/18 4:00	-5.83	89.8	5.27
9/19/18 5:00	-5.26	88.4	5.92
9/19/18 6:00	-5.44	86.1	6.83
9/19/18 7:00	-5.49	89.1	7.21
9/19/18 8:00	-5.61	86.2	7.02
9/19/18 9:00	-5.41	84.2	6.24
9/19/18 10:00	-4.43	77.7	6.37
9/19/18 11:00	-2.32	68.7	5.93
9/19/18 12:00	-3.05	71.4	5.63
9/19/18 13:00	-2.59	70.8	5.47
9/19/18 14:00	-2.32	68.4	4.07
9/19/18 15:00	-1.37	64.8	4.04
9/19/18 16:00	-2.64	66.0	4.32
9/19/18 17:00	-2.64	64.8	4.26
9/19/18 18:00	-3.05	75.0	3.53
9/19/18 19:00	-3.85	86.9	2.34
9/19/18 20:00	-3.93	92.7	3.01
9/19/18 21:00	-3.87	95.2	4.99
9/19/18 22:00	-4.25	95.4	4.54
9/19/18 23:00	-4.45	94.2	4.80