APPENDIX 22 2023 NOISE MONITORING REPORT

AGNICO EAGLE

MELIADINE GOLD MINE

2023 Noise Monitoring Report

In Accordance with NIRB Project Certificate No. 006

Prepared by:
Agnico Eagle Mines Limited – Meliadine Division

MARCH 2024

EXECUTIVE SUMMARY

In accordance with the Nunavut Impact Review Board (NIRB) Project Certificate No. 006 (NIRB, 2022), and as described in the Noise Abatement and Monitoring Plan (the Plan), Agnico Eagle Mines Ltd. (Agnico Eagle) monitors outdoor ambient noise levels at the Meliadine Mine. The objective of the noise monitoring program is to measure noise levels at three or four previously determined monitoring locations over at least two 24 h periods. Results are compared to the mine's Final Environmental Impact Statement (FEIS, Golder 2014) predictions for the 24-h Leq, the Leq-nighttime design target, and the site's noise monitoring criteria (24-h Leq).

Since high winds in the area tend to significantly reduce the amount of available data, technicians aim to conduct two or more monitoring events for each station, lasting two to four days each. In 2023, two or three monitoring events were successfully conducted for all required stations (NPOR006a, NPOR008, NPOR017a, and NPOR014a/b).

Following data processing in keeping with standard methods (Alberta Energy Regulator Directive 038), sufficient valid data was available for the calculation of at least two 24-h Leq values or at least two night-time Leq values for each monitoring station in 2023. Final values are shown in Table 1.

For all stations, survey results were less than FEIS predictions, noise monitoring criteria, and/or design targets, as applicable.

To date, no noise-related complaints have been received for the Meliadine Mine. Based on these findings, no changes to existing noise monitoring plans and mitigation measures are proposed at this time.

Table 1. Summary of noise monitoring results in 2023. All measured values were less than FEIS predictions, noise monitoring criteria and/or design targets.

Location	**Recording Start**	**Recording End**	*Noise Monitoring Criterion* $L_{eq(24\ h)}$ *(dBA)*	*FEIS Prediction* $L_{eq(24\ h)}$ *(dBA)*	**Measured** $L_{eq(24\ h)}$ **(dBA)**	*Design Target* $L_{eq\ (nighttime)}$ *(dBA)*	**Measured** $L_{eq\ (nighttime)}$ **(dBA)**
NPOR006a	7/29/23 14:25	8/01/23 20:48	*45*	*39.8*	37.9	-	-
	9/17/23 17:19	9/19/23 14:36			36.2		-
NPOR008	7/22/23 14:49	7/26/23 13:06	*45*	*41.7*	ND	*40*	39.9
	7/31/23 14:35	8/03/23 22:59			39.8		34.9
	8/25/23 15:47	8/27/23 8:27			ND		39.4
NPOR014a	7/27/23 16:17	7/30/23 7:03	*45*	*44.7*	35.2	-	-
NPOR014b	9/20/23 12:35	9/23/23 16:25			31.3		-
NPOR017a	7/21/23 16:36	7/24/23 10:59	*45*	*43.4*	39.5	-	-
	8/10/23 10:43	8/13/23 14:28			38.7		-
ND = Insufficient valid data; "-" = Not applicable							

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SECTION 1 • INTRODUCTION

The Meliadine Gold Mine (the Mine) near Rankin Inlet, Nunavut is subject to the terms and conditions of the amended Project Certificate 006 issued by the Nunavut Impact Review Board (NIRB) in accordance with the Nunavut Land Claims Agreement Article 12.5.12 on March 2nd, 2022 (NIRB, 2022).

In accordance with this Project Certificate, and as described in the Noise Abatement and Monitoring Plan (the Plan), Agnico Eagle began conducting outdoor noise monitoring at the Meliadine Mine in 2016. The objective of the Plan is to validate predictions of noise levels made in the FEIS, confirm the findings of the noise impact assessment (Vol. 5 – Atmospheric Environment and Impact Assessment, Golder 2014), and inform the implementation of noise mitigation measures. If noise monitoring confirms excessive Mine-associated noise levels exist, the monitoring data will be used to determine where noise abatement requires improvement.

A summary of the noise monitoring program is shown in Table 2, according to the Noise Abatement and Monitoring Plan. Locations NPOR006 and NPOR017 were adjusted beginning in 2020 to accommodate COVID-related restrictions and location NPOR014 has been adjusted twice based on community concerns and access considerations (discussed in Section 2.1).

Table 2. Noise monitoring objectives, frequency, duration, and locations.

Project Phase	Monitoring Objectives	Frequency and Duration of Monitoring	Monitoring Locations
Construction and Operations	To verify that the noise emissions used in the FEIS noise assessment were reasonable, yet conservative. To verify that the mitigation measures considered integral to the Project are incorporated as planned, and are effective.	Two noise surveys per year per station, for a minimum period of 24 h per survey.	NPOR005 and/or NPOR006 (pre-2020) or NPOR006a (2020+) NPOR008 NPOR014 (pre-2020) or NPOR014a (2020-2023) or NPOR14b (2023) – *when activities associated with the Discovery Pit are occurring.* NPOR017 (pre-2020) or NPOR017a (2020+)

SECTION 2 • METHOD

2.1. Monitoring Locations

In 2023, noise monitoring was conducted at four locations, as required by the Noise Abatement and Monitoring Plan. The monitoring locations are identified in Figure 1 and summarized in Table 3. Photos of the noise monitoring locations are provided in Section 3. These monitoring locations will be reviewed and may be adapted throughout the construction and/or operations phases of the Mine, as necessary.

In 2023, no construction or operational activities and very limited exploration activities were ongoing at the Discovery Pit location, but NPOR014a/b was opportunistically monitored. The NPOR014a location was adjusted after the first survey in 2023 to facilitate access, as described further below.

Table 3. Noise monitoring locations and conditions for monitoring.

Location ID	UTM (Zone 15V)	Project Area	Monitoring Conditions	Monitored in 2023?
NPOR006	538286E 6991299N	Mine	Monitor during the entire Construction and Operations Phases, and initial stages of Closure when extensive activities are occurring.	No
NPOR006a	537550E 6991300N	Mine	Adjusted NPOR006 location beginning in 2020 to reduce potential for community interaction due to COVID-19 restrictions.	Yes
NPOR008	543707E 6987276N	Mine	Monitor during the entire Construction and Operations Phases, and initial stages of Closure when extensive activities are occurring.	Yes
NPOR014	549401E 6982060N	Mine	Pre-2020 monitoring location. Monitor only if activities associated with the Discovery Pit are occurring.	No
NPOR014a	548829 E 6982610 N	Mine	Adjusted NPOR014 location for 2020 +. This station has been moved based on community concerns around monitoring near cabin. Monitor only if activities associated with the Discovery Pit are occurring.	Yes
NPOR014b	549673 E 6982043 N	Mine	Adjusted NPOR014 location beginning with the second survey in 2023. This station was moved to facilitate access, which previously was only by helicopter (for NPOR014a).	Yes

Location ID	UTM (Zone 15V)	Project Area	Monitoring Conditions	Monitored in 2023?
NPOR017	544203E 6970537N	AWAR[1]	Monitor during the entire Construction and Operations Phases, and initial stages of Closure when extensive activities are occurring.	No
NPOR017a	546152E 6971995N	AWAR	Adjusted NPOR017 location beginning in 2020 to reduce potential for community interaction due to COVID-19 restrictions.	Yes
(NPOR005)	*537978E 6991742N*	*Mine*	*Former alternate to NPOR006 if monitoring at that location was not feasible due to high occupancy rates of the adjacent cabin. No longer required since monitoring began at NPOR006a in 2020.*	No

NPOR006 is located approximately 1 km north of the mine site disturbance area, and approximately 200 m outside the FEIS site study area (SSA). The surrounding terrain is a mix of small rock and lichen. The slope is very minimal towards the SW. Meliadine Lake is approximately150 m NE and an unnamed small lake is approximately120 m SSW. The adjacent cabin was in use at the time of the 2017 and 2018 noise surveys, but did not appear to be in use in 2019. In 2020, this monitoring station was moved approximately 700 m to the west to reduce potential for interaction with community members during the COVID-19 pandemic. The new station, NPOR006a, is approximately the same distance from the FEIS SSA boundary as NPOR006 (approximately 200 m north), and is within the same noise isopleth (band of predicted sound levels) in the FEIS noise assessment. Results at this station are therefore compared to the same criteria as applied previously for NPOR006. In 2019, station NPOR005 had been identified as an alternate location to NPOR006 in the event of ongoing cabin-related noise, but its use has not been necessary since monitoring began at NPOR006a.

Station NPOR008 is located approximately 1.25 km from the SSA, on the east side of the Mine. The surrounding terrain is on the summit of a small vegetated hill with very little apparent rock. Meliadine Lake is approximately 51 m to the NNE. The mine camp is approximately 2 km to the northwest, and the AWAR is approximately 2.5 km to the southwest. No changes have been made to the location of this station since monitoring began in 2016.

Station NPOR014 is located approximately 130 m from a traditionally used ATV trail. This station is at the southern end of Meliadine Lake and is approximately 10 km away from the Meliadine camp and 5 km from the Discovery area. It is located within the SSA. Currently there are limited activities in this area, so monitoring has only been conducted opportunistically, and any measurements at NPOR014 are expected to be indicative of background values. Due to community concerns with the presence of noise monitors at this station that were brought to Agnico Eagle's attention in early 2020, the

[1] All Weather Access Road

monitoring location was adjusted in 2021. The new station (NPOR014a) was similarly sited with respect to expected noise emissions from future local activities (e.g. similar distance from the proposed roadway, similar distance from the proposed Discovery Pit). After the first survey in 2023, the station was again adjusted to facilitate access. NPOR014a was accessible by helicopter only, and flights have been restricted in this area after complaints were received from local cabin owners. The new station (NPOR014b) is again similarly located with regards to distance from Mine-related noise sources (e.g. roadway, Discovery area activity), and is within 300 m of the original NPOR014 location.

NPOR017 is located at the southern end of the AWAR. It is approximately 150 m SE of the road. No SSA was assessed for the AWAR. Since this station is located outside (south) of the AWAR gatehouse and could not be accessed in 2020 due to COVID-19 restrictions, monitoring was conducted at new station NPOR017a which is approximately 2 km further north along the AWAR. Surveys have been conducted at NPOR017a since that time. This station is sited at the same distance from the AWAR (150 m SE), which is the dominant noise source of interest for this station. Topography in both locations is similarly flat, and results for station NPOR017a are suitable for comparison to criteria and FEIS predictions previously applied to NPOR017.

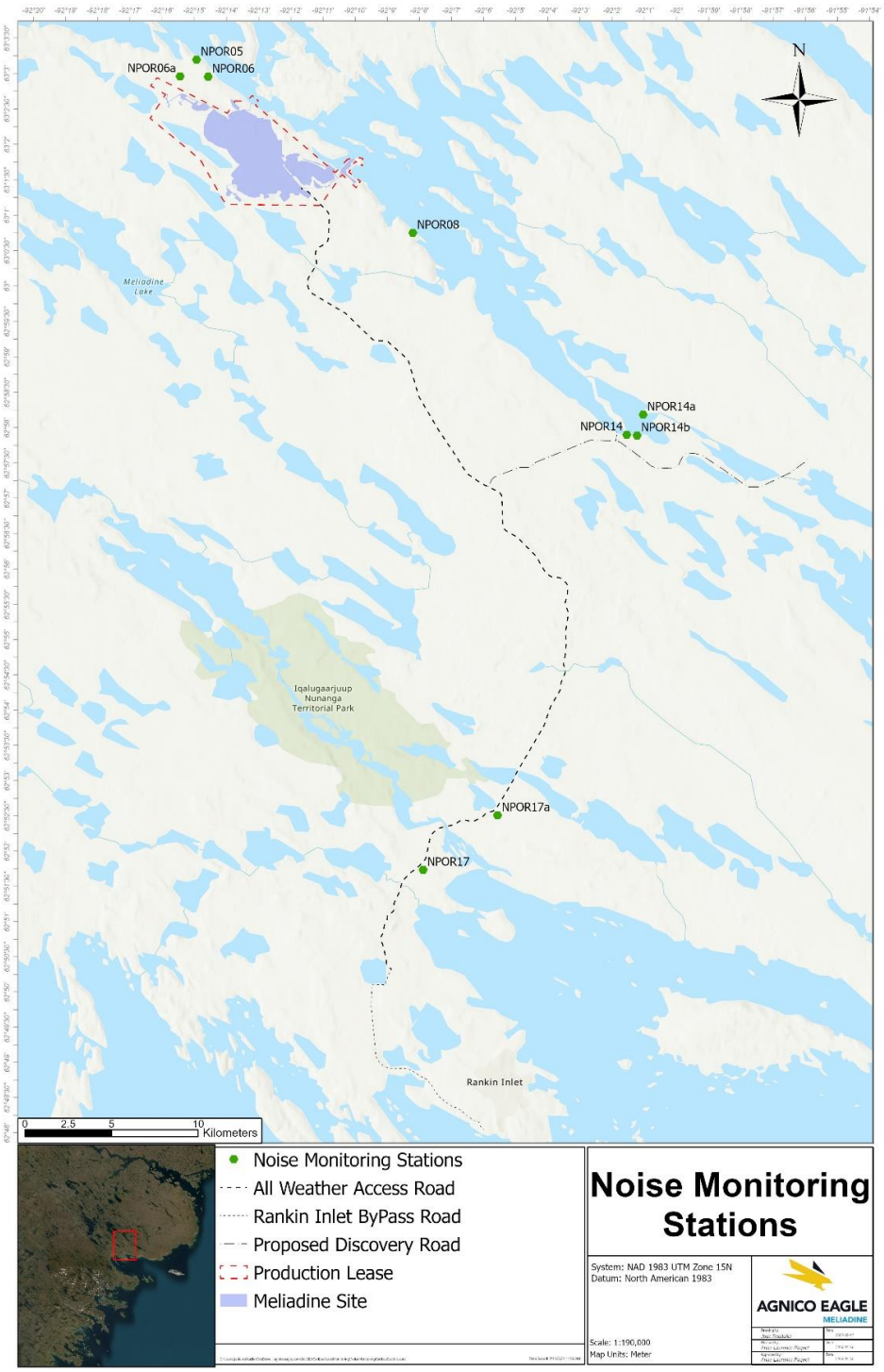

Figure 1. Noise monitoring stations for the Meliadine site. Monitoring was conducted at NPOR006a, NPOR008, NPOR014a, NPOR014b, and NPOR017a in 2023.

2.2. Monitoring Dates

In accordance with the Noise Abatement and Monitoring Plan, two or more 24-h+ noise surveys were conducted for each location. Surveys were planned to last a minimum of 48 h, since a significant portion of data has historically been filtered out due to sub-optimal weather conditions (see Section 2.4). Monitoring dates and times for each survey are provided in Table 4.

Table 4. Noise monitoring dates in 2023, and total duration of the recorded data.

Location	Recording Start	Recording End	Duration (h)
NPOR006a	7/29/23 14:25	8/01/23 20:48	79
	9/17/23 17:19	9/19/23 14:36	46
NPOR008	7/22/23 14:49	7/26/23 13:06	96
	7/31/23 14:35	8/03/23 22:59	81
	8/25/23 15:47	8/27/23 8:27	42
NPOR014a	7/27/23 16:17	7/30/23 7:03	64
NPOR014b	9/20/23 12:35	9/23/23 16:25	77
NPOR017a	7/21/23 16:36	7/24/23 10:59	67
	8/10/23 10:43	8/13/23 14:28	77

2.3. Sound Level Meter

For all stations a Bruel and Kjaer Model 2250 integrating sound level meter with outdoor microphone type 4952 was used to conduct the noise survey. In 2019, a second sound level meter of the same type was purchased to facilitate the noise monitoring program. Historically, a secondary windscreen was used for all measurements. This equipment was not available for purchase with the second sound level meter, so beginning in 2020, the secondary wind screen was only used for some monitoring events. Wind screens improve audible recording quality and reduce wind-induced interference on the microphone, but do not alter ambient noise levels, and both are considered valid methods for the purposes of this report (comparison to monitoring criteria and design targets).

The noise logging rate was set at one-minute intervals, and according to the Noise Abatement and Monitoring Plan, logged parameters included:

- Integrated equivalent A-weighted sound level (LAeq);
- 1/3 octave band sound levels in decibels (dB);
- Statistical data (L10, L90);
- Maximum sound level (Lmax) in dBA; and
- Minimum sound level (Lmin) in dBA.

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 A). Estimated uncertainty, over a yearly time period for the calibrator is +/- 0.12 dB at a 99% confidence level.

According to the Plan, professional calibration of the instruments is performed every year (calibrator and microphone) or every two years (sound level meter). A record of professional calibration is provided in Table 5.

Table 5. Professional calibration record for noise monitoring instruments (calibration for each microphone includes the field calibrator). Meter 1 was purchased in 2016.

Year	B&K Sound Level Meter 1	B&K Microphone 1	B&K Sound Level Meter 2	B&K Microphone 2
2019	02-25-19	02-25-19	Purchased 08-19-19	Purchased 08-19-19
2020	03-19-20	03-19-20	03-19-20	03-19-20
2021	03-19-21	03-19-21	03-19-21	03-19-21
2022	12-10-21	12-10-21	12-10-21	12-10-21
2023	02-08-23	02-07-23	02-08-23	02-07-23

2.4. Weather Data

Weather data for the noise monitoring periods was collected using the Mine's permanent weather station. Hourly averages for wind speed, wind direction, temperature, relative humidity, and precipitation were available from this station.

In the case of noise monitoring for complaint situations, the Alberta Energy Regulator (AER) Directive 038 (April 17, 2023) identifies acceptable weather conditions for data collection, since wind and precipitation can affect noise measurements. Based on these guidelines and the intent of the ambient noise monitoring program, recorded noise data was initially filtered to remove measurements when average measured wind speed exceeded 15 km/h (4.17 m/s). This is AER's highest recommended wind speed over an extended period for use in noise monitoring complaint situations, and applies to monitors located less than 500 m from noise sources (applicable to stations NPOR006a and

NPOR017a). Although AER's 2023 guidance recommends lower wind speed limits at greater distances from noise sources and depending on wind direction, this screening approach is considered appropriate here for general comparison with site noise targets, since high winds dominate in this area (e.g. summertime average of 16 km/h in 2023), and no noise-related complaints were under investigation in 2023. This approach also facilitates comparison with historical values, which were screened in the same manner according to recommendations in the previous version of this guidance document (February 16, 2007).

Average hourly wind speed values were used in this analysis, since filtering based on maximum values has historically resulted in exclusion of nearly the entire noise dataset. Data was further filtered on the basis of recorded and audible precipitation as necessary during the secondary filtering stage (see Section 2.6.1), to preserve available data as much as possible. Weather data for the monitoring periods (wind speed, wind direction, temperature, relative humidity, precipitation) are provided in Appendix B.

2.5. Field Notes

A pocket weather meter (WeatherHawk® WindMateTM, WM-300) 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 takedown. All field notes are provided in Appendix A.

2.6. Data Analysis

Recorded sound levels were downloaded for assessment using the Bruel and Kjaer 5503 Measurement Suite software, with some calculations performed using Microsoft Excel. Recorded one-minute LAeq values were used to calculate hourly equivalent energy noise levels (Leq, 1h) for further processing.

2.6.1. Data Filtering

2.6.1.1. Primary Filtering

All datapoints associated with the first and last hour of measurement were filtered out to remove noise from technician activity, and to ensure more than 30 min of data contributed to hourly averages. Data was also filtered on the basis of hourly recorded wind conditions to comply with Directive 038 (see Section 2.4). After this initial data filtering, valid hourly Leq values were energy-averaged across calendar days within a monitoring event (usually two - three sequential 24-h periods) and used to calculate average night-time (11pm-7am) and 24 h Leq values for each event. This approach has been taken historically due to the frequency of high-wind conditions resulting in significant data elimination, in order to maximize the utility of the available data, and obtain at least 3 h of coverage from both day- and night-time periods with. All individual hourly Leq values are provided in Appendix B.

2.6.1.2. Secondary Filtering

When calculated average 24-h or night-time Leq values exceeded analysis criteria (see Section 2.6.2, below), data and sound recordings were further reviewed to identify and if appropriate, remove noise data dominated by background noise sources unrelated to mine activity, and causing recorded Leq values in excess of FEIS predictions or noise criteria (e.g. steady precipitation, ongoing animal disturbance in close proximity to the microphone, direct human interference). These noise sources were assumed to be minimal in the FEIS process, since a background sound level of 35 dBA was used. Human and animal interference was identified through review of sound recordings. When interference was minimal (<30 min in an hour), 1-min Leq values were filtered out and hourly Leq values re-calculated. When periods of extended interference occurred (>30 min in an hour), the 1-h Leq was filtered out. Periods of rain were identified through review of recorded weather data and sound recordings, and hourly Leq values were filtered out when audible and/or recorded precipitation occurred. Extended periods of local elevated wind gusts were identified through review of sound recordings and calculated L90 values, which are typically assumed representative of background sound levels. When hourly L90 values exceeded 35 dBA, and review of sound recordings did not identify audible mine-related noise, this data was filtered out. The 1-h Leq values excluded on the basis of this secondary filtering step are indicated in Appendix B.

After this second data filtering (as needed), night-time and 24-h L_{eq} values were re-calculated. Final L_{eq} values are reported for monitoring events with more than 180 valid minutes available from each of the daytime and nighttime periods.

2.6.2. Noise Monitoring Criteria

Final Leq values were compared to FEIS predictions and the site's noise monitoring criteria (see Table 6). As indicated in the Noise Abatement and Monitoring Plan, night-time (11 pm – 7 am) Leq values were also calculated, and are compared with the design target of 40 dBA for sites NPOR005 (when monitoring has occurred at this station) and NPOR008, for reference only. It should be noted that this target was designed to apply at a distance of 1.5 km from the site study area (SSA) in remote areas. NPOR005 and NPOR008 are located approximately 1.2 km from the SSA, so exceedances of this target value may occur at the monitoring stations without exceeding the design target at the 1.5 km distance. If concerns arise regarding nighttime sound levels around the Mine, one or more stations may be added or moved in future monitoring events to coincide with this design target location to more precisely assess FEIS predictions. The other Mine monitoring stations (NPOR006a, NPOR014a) are located significantly closer to or within the SSA, thus comparison to the nighttime design target is not considered appropriate. Similarly, no SSA was assessed for AWAR locations in the FEIS, therefore results at NPOR017a are not compared to the nighttime design target.

Table 6. FEIS predictions for 24-h equivalent sound levels, FEIS design targets for 1.5 km from the site study area perimeter, and noise monitoring criteria from the Noise Abatement and Monitoring Plan.

Location	FEIS Prediction $L_{eq\text{-}24h}$ (dBA)	FEIS Design Target (1.5 km from SSA) $L_{eq\text{-}nighttime}$ (dBA)	Noise Monitoring Criteria $L_{eq\text{-}24h}$ (dBA)
(NPOR005)*	36.3	40	45
NPOR006/6a	39.8	-	45
NPOR008	41.7	40	45
NPOR014/14a/14b	44.7	-	45
NPOR017/17a	43.4	-	45

*Station NPOR005 is an alternate to NPOR006, and was not required to be monitored in 2023.

SECTION 3 • RESULTS

24-h and night-time Leq values are presented and reviewed below, for comparison to criteria in Section 2.6.2. All 1-h Leq values are provided in Appendix B.

3.1. NPOR006A

Recorded 1-min Leq values for monitoring events 1 and 2 at NPOR006a are shown in Figures 3 and 4. For event 1 at station NPOR006a (July 29 – August 1), 79 h of monitoring were conducted, and 72 h of valid data were available after primary filtering. For event 2 at NPOR006a (September 17 - 19), 46 h of monitoring were conducted, and 37 h of valid data were available after primary filtering.

Noise sources noted in the field log for this location in 2023 or historically include the possibility for human activities and ATVs from the nearby cabin (~600 m), mine activities (500 m), and animal sounds.

After primary data filtering, the calculated 24-h Leq value for event 1 was 37.9 dBA, and for event 2, the 24-h Leq value was 36.2 dBA, which are both below the FEIS prediction (39.8 dBA) and noise monitoring criterion (45 dBA).

Table 7. Measured 24-h L_{eq} values for monitoring location NPOR006a.

Monitoring Station	Survey Dates	*FEIS Prediction*	Measured $L_{eq\ 24\ h}$
NPOR006a	July 29 – August 1	*39.8 dBA*	37.9 dBA
	September 17 - 19		36.2 dBA

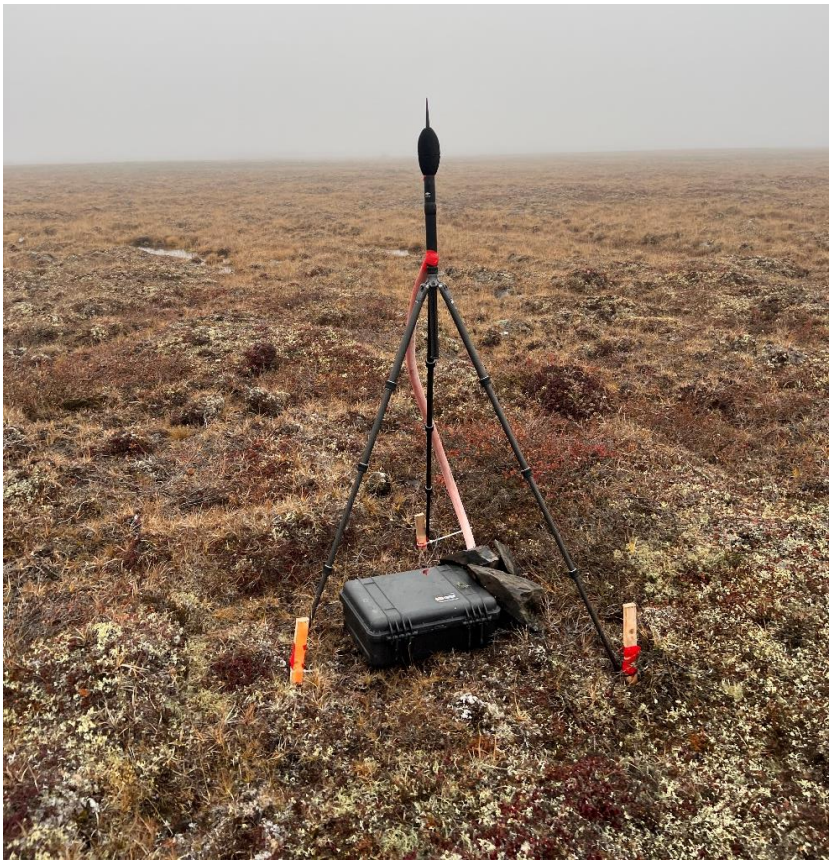

Figure 2. Noise monitoring location NPOR006a (September 17, 2023)

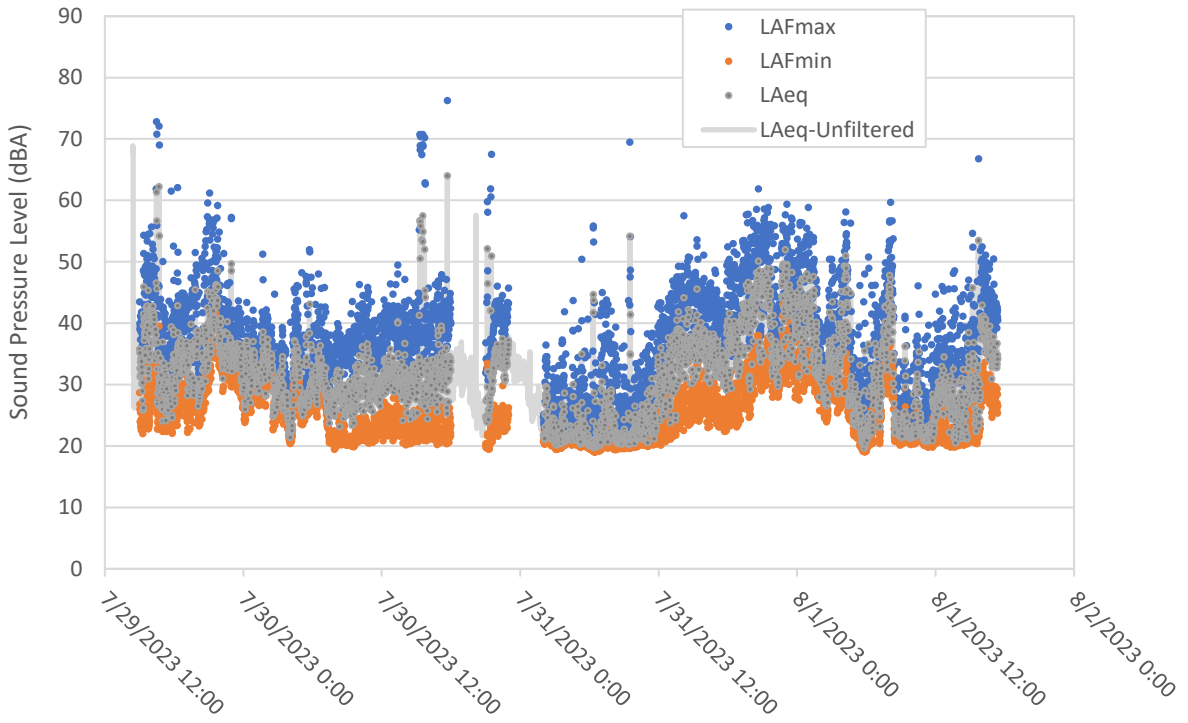

Figure 3. 1-min Lmax, Lmin, and Leq values recorded at site NPOR006a during monitoring event 1.

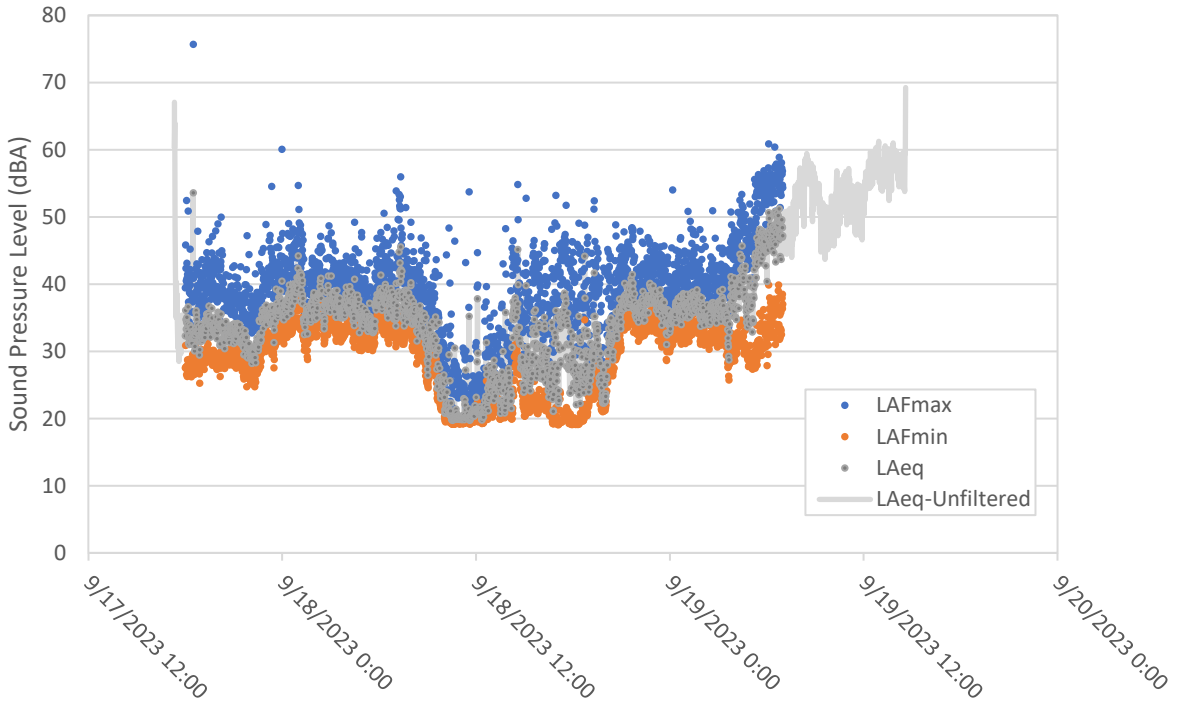

Figure 4. 1-min Lmax, Lmin, and Leq values recorded at site NPOR006a during monitoring event 2.

3.2. NPOR008

Recorded 1-min Leq values for monitoring events 1, 2, and 3 at NPOR008 are shown in Figures 6, 7, and 8. For monitoring event 1 at this station (July 22 - 25), 96 h of monitoring were conducted, and 19 h of valid data were available after primary filtering. After review of the data and secondary filtering on the basis of recorded precipitation (as shown in Appendix B), 11 hours of valid data remained, with only two hours in the day-time period. As a result, the 24-h Leq could not be calculated for this event.

For monitoring event 2 (July 31 – August 3), 81 h of monitoring were conducted, and 70 h of valid data were available after primary filtering. No secondary filtering was required.

For monitoring event 3 (August 25 - 27), 42 h of monitoring were conducted, with 12 h of valid data remaining after primary filtering. After review of the data and secondary filtering on the basis of recorded precipitation (as shown in Appendix B), four hours of valid data remained, with only one hour in the day-time period. As a result, the 24-h Leq could not be calculated for this event.

Possible noise sources noted in the field log at this location are generally limited to wildlife, potential for local boats, and helicopters. During monitoring event 1 (July 22 - 25), helicopters were grounded due to caribou migration, but for events 2 and 3, helicopters were noted as a potential noise source in the field logs.

The measured 24-h Leq value for event 2 was 39.8 dBA, which is less than the FEIS prediction of 41.7 dBA, and the noise monitoring criterion (45 dBA). The night-time Leq values for all events (Table 8) were less than the design target of 40 dBA.

Table 8. Measured 24-h L_{eq} values for monitoring location NPOR008a. Events with insufficient valid data are indicated (ND).

Monitoring Station	Survey Dates	*FEIS Prediction (24-h)*	Measured $L_{eq\ 24\ h}$	Design Target (Night-time)	Measured $L_{eq\text{-}night\text{-}time}$
NPOR008a	July 22 - 25	*41.7 dBA*	ND	40 dBA	39.9 dBA
	July 31 – August 3		39.8 dBA		34.9 dBA
	August 25 - 27		ND		39.4 dBA

Figure 5. Noise monitoring location NPOR008 (July 22, 2023).

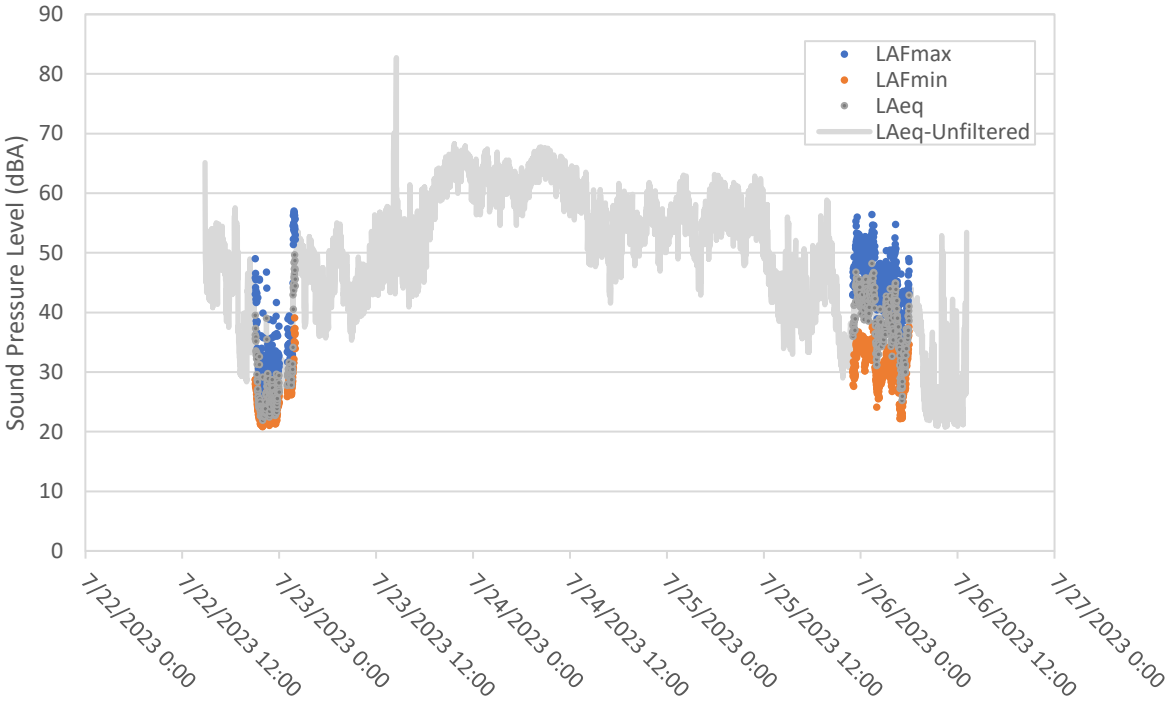

Figure 6. 1-min Lmax, Lmin, and Leq values recorded at site NPOR008 during monitoring event 1.

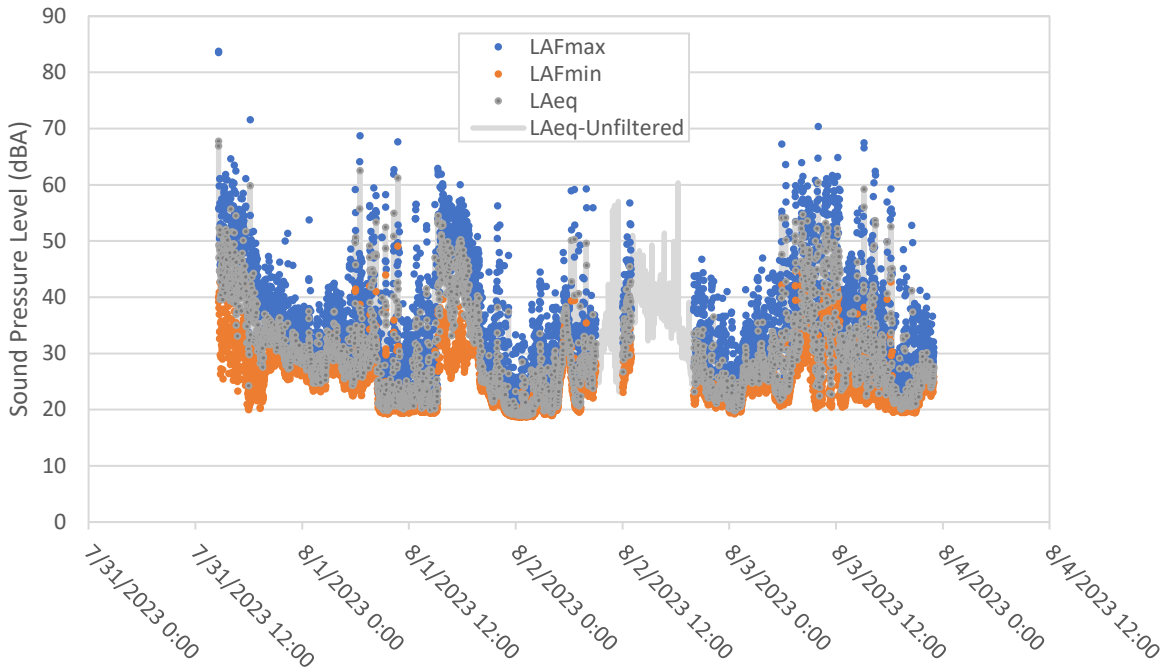

Figure 7. 1-min Lmax, Lmin, and Leq values recorded at site NPOR008 during monitoring event 2.

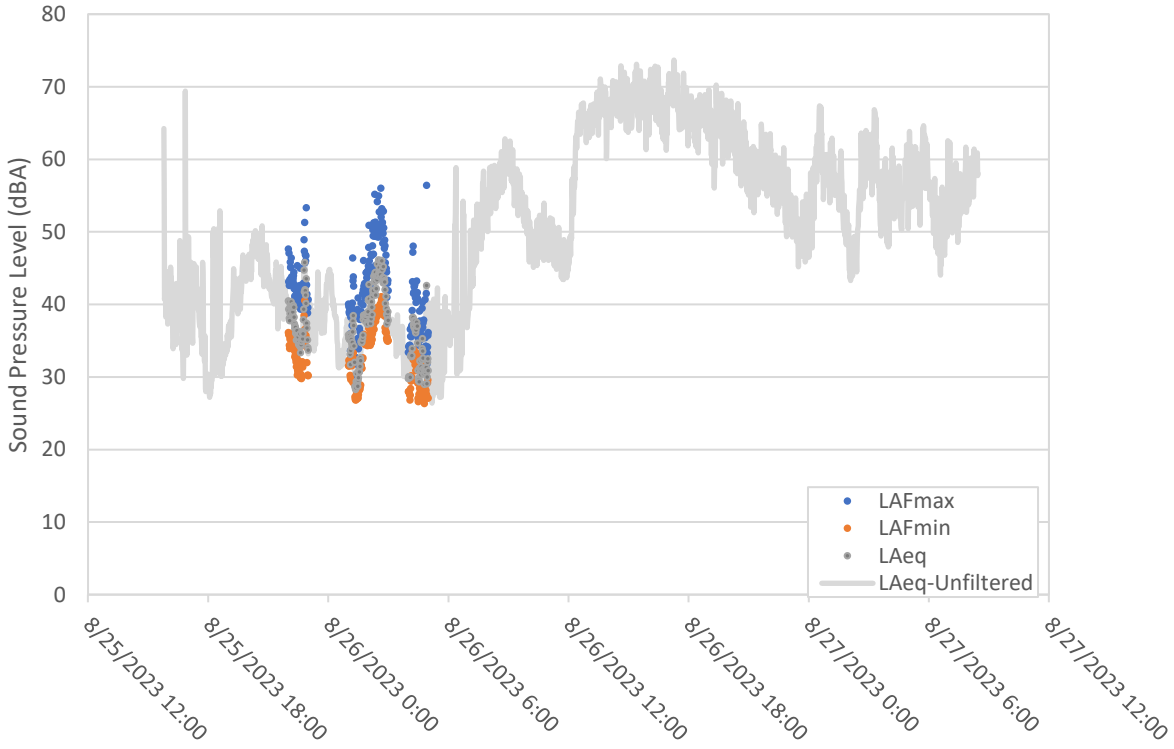

Figure 8. 1-min Lmax, Lmin, and Leq values recorded at site NPOR008 during monitoring event 3.

3.3. NPOR014A & B

No construction or operational activity occurred in 2023 in the area of NPOR014a/b, , but monitoring was conducted in 2023 opportunistically at this station. Limited activities took place in the vicinity of the Discovery deposit in 2023 (e.g. exploration, archaeological surveying, sporadic helicopter flights over the area).

Recorded 1-min Leq values for monitoring events 1 and 2 at NPOR014a are shown in Figures 11 and 12. For event 1 (July 27 - 30), 64 h of monitoring were conducted, and 56 h of valid data were available after primary filtering. For event 2 (September 20 - 23), 77 h of monitoring were conducted, and 36 h of valid data were available after primary filtering. This included removal of data from the period of 9 am on September 21 to 3 pm on September 22, when the Meliadine weather station was not operational. Secondary filtering was not required.

Noise sources noted in the field log for this location in 2023 include potential for helicopter and boat traffic, and the possibility for human activities at the nearby cabin including hunting and fishing.

Measured 24-h Leq values for events 1 and 2 were 35.2 dBA and 31.3 dBA which are below the FEIS prediction (44.7 dBA) (Table 9) and noise monitoring criterion (45 dBA).

Table 9. Measured 24-h L_{eq} values for monitoring location NPOR014a and b.

Monitoring Station	Survey Dates	*FEIS Prediction*	Measured $L_{eq\ 24\ h}$
NPOR014a	July 27 - 30	*44.7 dBA*	35.2 dBA
NPOR014b	September 20 - 23		31.3 dBA

Figure 9. Noise monitoring location NPOR014a (July 27, 2023).

Figure 10. Noise monitoring location NPOR014b (September 20, 2023).

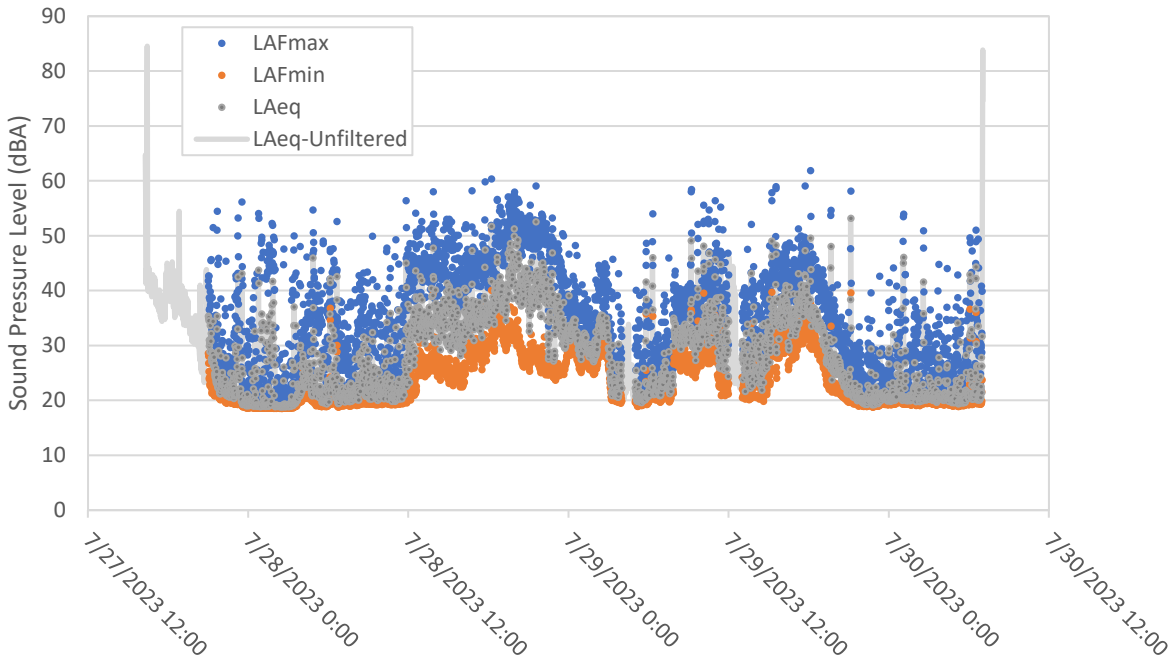

Figure 11. 1-min Lmax, Lmin, and Leq values recorded during monitoring event 1 at site NPOR014a.

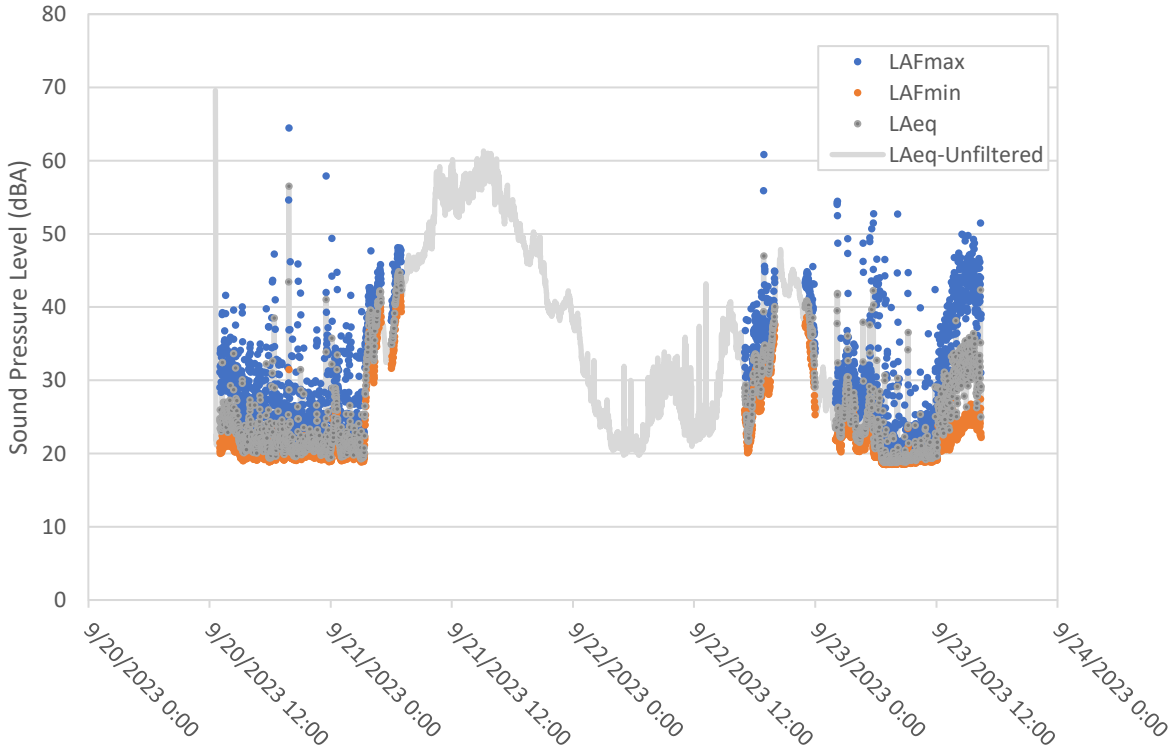

Figure 12. 1-min Lmax, Lmin, and Leq values recorded during monitoring event 2 at site NPOR014b.

3.4. NPOR017A

Recorded 1-min Leq values over monitoring events 1 and 2 at NPOR017a are shown in Figures 14 and 15. For event 1 (July 21 - 24), 67 h of monitoring were conducted and 10 h of valid data were available after primary filtering. For event 2 (August 10 - 13), 77 h of monitoring were conducted, and 30 h of valid data were available after primary filtering. This conservatively included removal of data from the period of 8 pm on August 11 to 2 pm on August 13, when the Meliadine weather station was not operational due to a lightning strike. Secondary filtering was not required.

This station is located 150 m from the AWAR, which is the dominant Mine-related noise source. Noise sources noted in the field log include AWAR traffic and potential for hunters.

The measured 24-h Leq value for events 1 and 2 were 39.5 and 38.7 dBA respectively. These values do not exceed the FEIS prediction of 43.4 dBA (Table 10), or the noise monitoring criterion (45 dBA).

Table 10. Measured 24-h L_{eq} values for monitoring location NPOR017a.

Monitoring Station	Survey Dates	*FEIS Prediction*	Measured $L_{eq\ 24\ h}$
NPOR017a	July 21 - 24	*43.4 dBA*	39.5 dBA
	August 10 - 13		38.7 dBA

Figure 13. Noise monitoring location NPOR017a (July 21, 2023).

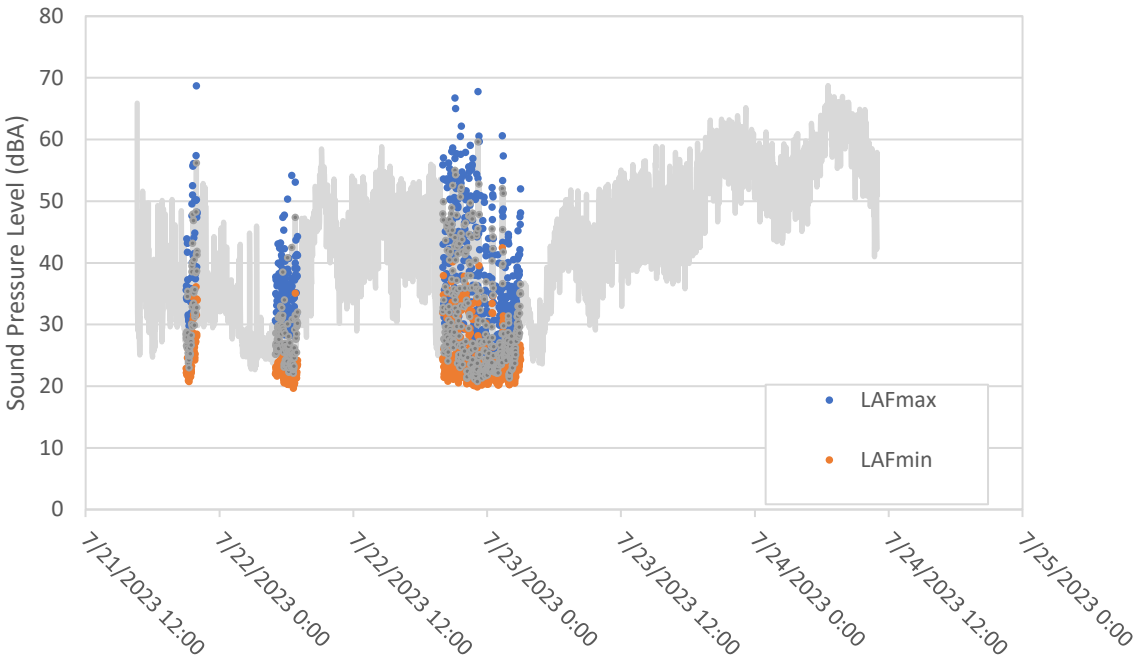

Figure 14. 1-min Lmax, Lmin, and Leq values recorded at site NPOR017a during monitoring event 1.

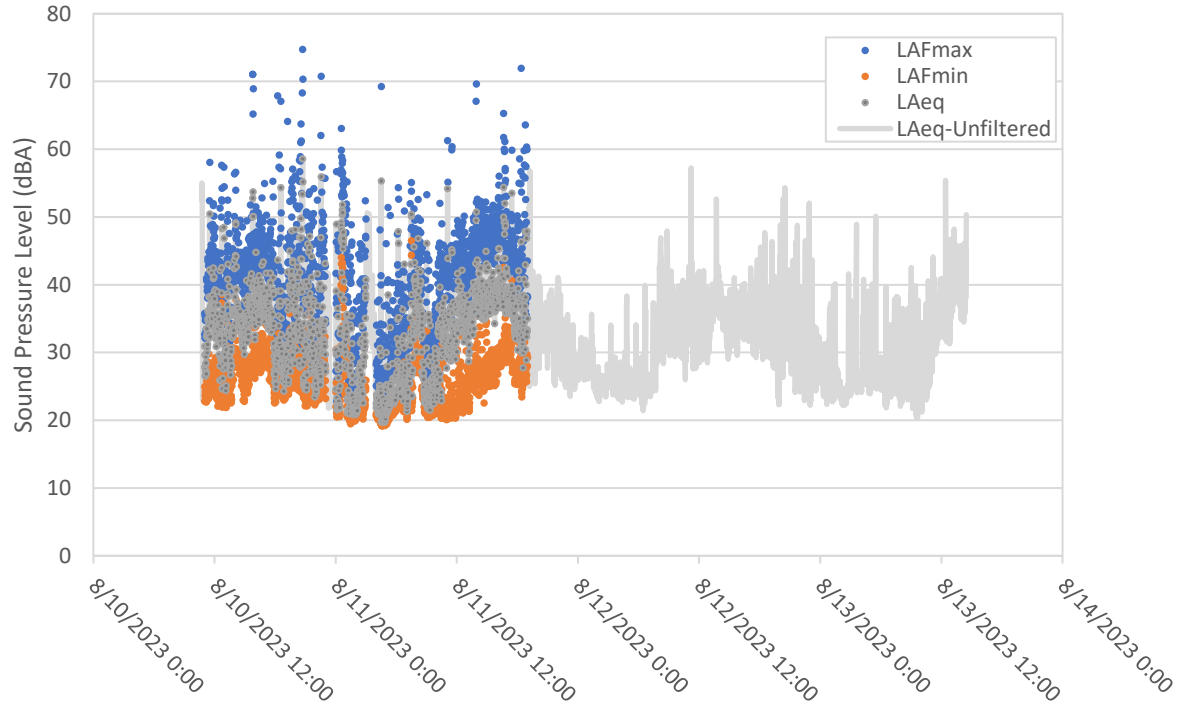

Figure 15. 1-min Lmax, Lmin, and Leq values recorded at site NPOR017a during monitoring event 2.

SECTION 4 • HISTORICAL COMPARISON

A historical comparison of all available 24-h Leq values for each monitoring site is provided in Figures 16 – 19.

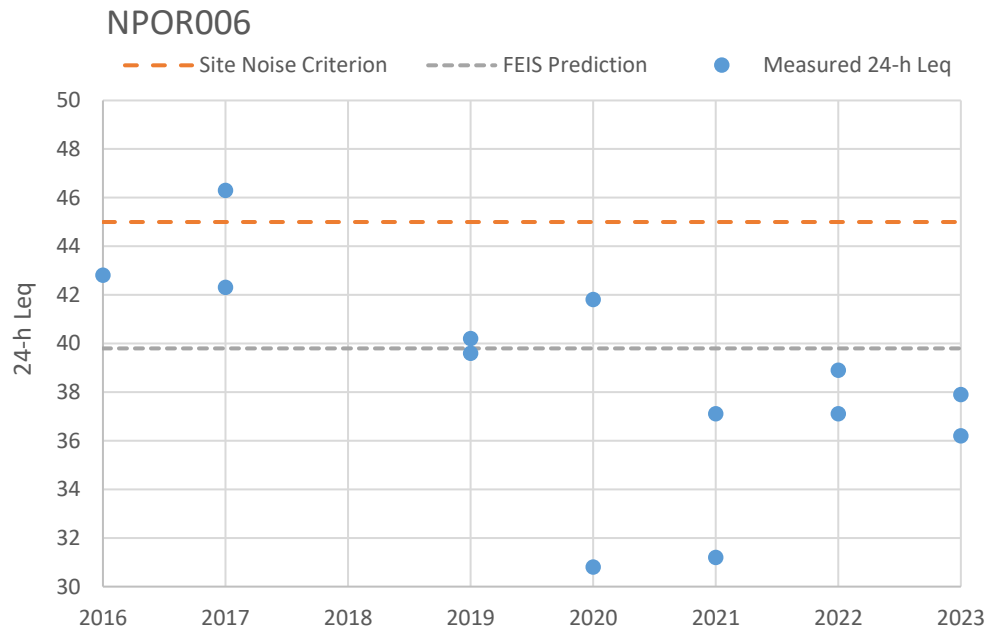

Figure 16. Historical noise monitoring results (24-h Leq values) for site NPOR006 (2016 – 2019) and NPOR006a (2020+). In 2016 and 2017, ongoing works at the adjacent cabin may have contributed to an elevated background acoustic environment but sound recording were not available at that time to assist in data filtering. Insufficient valid data was available in 2018 to calculate Leq values.

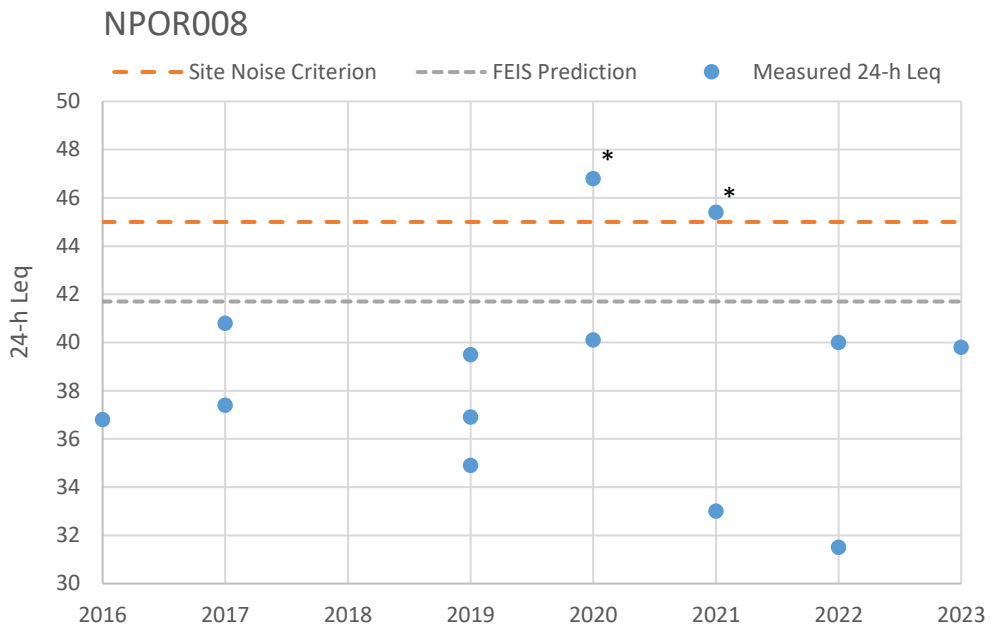

Figure 17. Historical noise monitoring results (24-h Leq values) for site NPOR008. Insufficient valid data was available in 2018 to calculate Leq values. * Exceedance related to helicopter traffic that is time-limited and/or exploration-related for comparison to FEIS prediction).

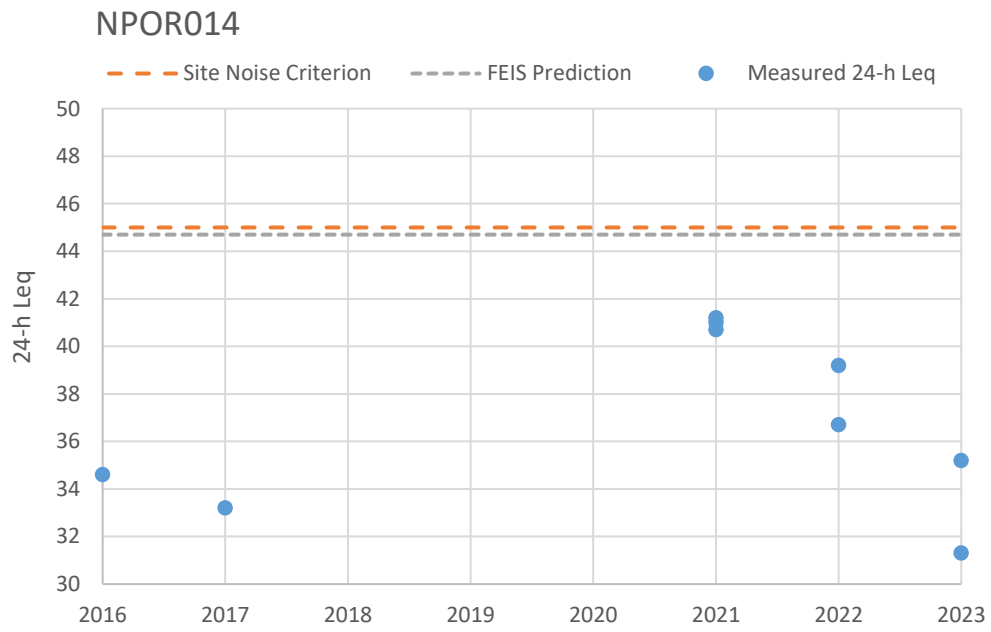

Figure 18. Historical noise monitoring results (24-h Leq values) for sites NPOR014 (2016 – 2017), NPOR014a (2021-2023 event 1), and NPOR014b (2023 event 2). Insufficient valid data was available after filtering in 2018 to calculate the 24-h Leq. Monitoring was not conducted in 2019 or 2020. Limited mine-related activity has occurred in this area.

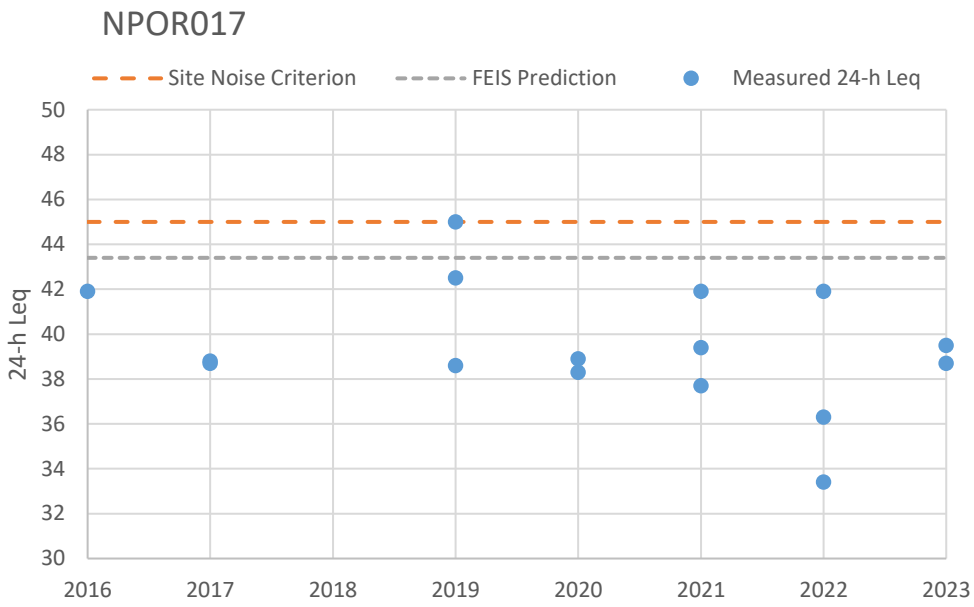

Figure 19. Historical noise monitoring results (24-h Leq values) for site NPOR017 (2016 – 2019) and NPOR017a (2020+). Insufficient valid data was available in 2018 to calculate Leq values.

SECTION 5 • CONCLUSION

The objective of the noise monitoring program at Meliadine is to measure noise levels at three or four previously determined monitoring locations over at least two 24 h periods to help inform the need for noise mitigation.

In 2023, Agnico Eagle conducted two or three successful rounds of monitoring for all required stations (NPOR006a, NPOR008, and NPOR017a) plus opportunistic monitoring at NPOR014a/b. Monitoring at NPOR014a is not yet required because construction or operational activities related to the Discovery Pit area are not ongoing.

A summary of the noise monitoring results for 2023 is provided in Table 11. For all stations, sufficient valid data was available after filtering to calculate a minimum of two 24-h and/or night-time Leq values for comparison to FEIS predictions and noise monitoring criteria.

For all stations and monitoring events, 24-h Leq and night-time Leq values were less than FEIS predictions, design targets, and the site's noise monitoring criteria.

To date, no noise-related complaints have been received for the Meliadine Mine. Based on these findings, no changes to existing noise monitoring plans and mitigation measures are proposed.

Table 11. Summary of noise monitoring results in 2023. All measured values were less than FEIS predictions, noise monitoring criteria, and/or design targets.

Location	Recording Start	Recording End	*Noise Monitoring Criterion* $L_{eq(24\ h)}$ *(dBA)*	*FEIS Prediction* $L_{eq(24\ h)}$ *(dBA)*	**Measured $L_{eq(24\ h)}$ (dBA)**	*Design Target* $L_{eq\ (nighttime)}$ *(dBA)*	**Measured $L_{eq\ (nighttime)}$ (dBA)**
NPOR006a	7/29/23 14:25	8/01/23 20:48	*45*	*39.8*	37.9	-	-
	9/17/23 17:19	9/19/23 14:36			36.2		-
NPOR008	7/22/23 14:49	7/26/23 13:06	*45*	*41.7*	ND	*40*	39.9
	7/31/23 14:35	8/03/23 22:59			39.8		34.9
	8/25/23 15:47	8/27/23 8:27			ND		39.4
NPOR014a	7/27/23 16:17	7/30/23 7:03	*45*	*44.7*	35.2	-	-
NPOR014b	9/20/23 12:35	9/23/23 16:25			31.3	-	
NPOR017a	7/21/23 16:36	7/24/23 10:59	*45*	*43.4*	39.5	-	-
	8/10/23 10:43	8/13/23 14:28			38.7		-
ND = Insufficient valid data; "-" = Not applicable							

SECTION 6 • ACTIONS

No specific supplemental actions related to noise mitigation or monitoring were planned for 2023, and none are planned for 2024.

Monitoring will continue to be conducted at NPOR008, as well as alternate monitoring stations NPOR006a, NPOR017a, and NPOR014b to facilitate ongoing historical comparisons. Monitoring is not planned for NPOR005, since it was previously identified as an alternate for NPOR006.

No significant construction activities related to the Discovery Pit are planned in 2024, therefore monitoring will again be conducted opportunistically at NPOR014a, as feasible.

APPENDIX A: FIELD NOTES

Monitoring Starts

Sample ID: NPOR17a	Cloud Cover: 100%
Date: 2023-07-21 4:28pm	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: SK-DM	Air Temperature (°C): 10°C
Calibration Completed: (Y/N)	Wind Speed (km/h): 14.4km/h
Sensitivity: 29.21	Wind Direction: 186° S
Deviation: 0.10	Relative Humidity (%): 75.6
Time of Calibration: 4:37pm	Precipitation: None (Drizzle) Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 546147
Check Available Memory on SD Card: (Y/N)	Easting: 6972002
Battery Power Check: (Y/N)	Noise Monitor Start Time: 4:40pm

General Site Description

Type of Ground Surface: Tundra	
Traffic in Area: AWAR 100m away, regular road traffic	
Human Activities in Area: Potential hunters / Local ATVs	
Animals in Area: None	
Other Noise Sources:	

Monitoring Ends

Sample ID: NPOR179	Cloud Cover: 100%
Date: 2023-07-24	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: DM-SG	Air Temperature (°C): 13.2
Calibration Completed: (Y/N)	Wind Speed (km/h): 25.3
Sensitivity: 29.91	Wind Direction: 134° SE
Deviation: 0.00	Relative Humidity (%): 75.1
Time of Calibration: 11:08	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 546147
Check Available Memory on SD Card: (Y/N)	Easting: 6972002
Battery Power Check: (Y/N)	Noise Monitor End Time: 11:06

Monitoring Starts

Sample ID: NPOR08	Cloud Cover: 75%
Date: 2023-07-22	Height of Clouds: Low (0-10 000) 10 000-25 000 25 000+
Operators: SK-AT-JC	Air Temperature (°C): 17.6
Calibration Completed: Yes (Y/N)	Wind Speed (km/h): 33.9
Sensitivity: 30.34	Wind Direction: North
Deviation: -0.09 DB	Relative Humidity (%): 51.6
Time of Calibration: 2:42 PM	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 543708
Check Available Memory on SD Card: (Y/N)	Easting: 6987279
Battery Power Check: (Y/N)	Noise Monitor Start Time: 2:45

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	None
Human Activities in Area:	None
Animals in Area:	None
Other Noise Sources:	

Monitoring Ends

Sample ID: NPOR08	Cloud Cover: 50%
Date: 2023-07-26	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: SK-RS	Air Temperature (°C): 14°C
Calibration Completed: (Y/N)	Wind Speed (km/h): 13 Km/h N
Sensitivity: 30.00 mV/PA	Wind Direction: 13 Km/h N
Deviation: -0.10DB	Relative Humidity (%): 68%
Time of Calibration: 2:00	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 543708
Check Available Memory on SD Card: (Y/N)	Easting: 6987279
Battery Power Check: (Y/N)	Noise Monitor End Time: 1:05 pm

Grab and go due to polar bear sighting in the area.

Monitoring Starts

Sample ID: NPOR05	Cloud Cover: 50%
Date: 2023-07-26	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: SK-SG	Air Temperature (°C): 18.6
Calibration Completed: (Y/N)	Wind Speed (km/h): 13.9
Sensitivity: 29.95 [redacted] mV/Pa	Wind Direction: 140° SE
Deviation: 0.01 dB	Relative Humidity (%): 51.5
Time of Calibration: 15:42	Precipitation: [redacted] (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 537978
Check Available Memory on SD Card: (Y/N)	Easting: 6991747
Battery Power Check: (Y/N)	Noise Monitor Start Time: 16:00

General Site Description

Type of Ground Surface: Tundra
Traffic in Area: ATV's (locals) Boat launch (locals)
Human Activities in Area: Cabins (locals)
Animals in Area:
Other Noise Sources:

Monitoring Ends

Sample ID: NPOR05	Cloud Cover: 10%
Date: 2023-07-29	Height of Clouds: 0-10 000 10 000-25 000 (25 000+)
Operators: SK-JC	Air Temperature (°C): 14°C
Calibration Completed: (Y/N)	Wind Speed (km/h): 22 km/h
Sensitivity: 29.72	Wind Direction: SE
Deviation: -0.06	Relative Humidity (%): 74%
Time of Calibration: 2:06	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 537978
Check Available Memory on SD Card: (Y/N)	Easting: 6991747
Battery Power Check: (Y/N)	Noise Monitor End Time: 2:05

Monitoring Starts

Sample ID: NPOR06a	Cloud Cover: 10%
Date: 2023-07-29	Height of Clouds: 0-10 000 / 10 000-25 000 / (25 000+)
Operators: SK - JC	Air Temperature (°C):
Calibration Completed: (Y/N)	Wind Speed (km/h):
Sensitivity: 29.84	Wind Direction:
Deviation: 0.03	Relative Humidity (%):
Time of Calibration: 2:15	Precipitation: (None) / Drizzle / Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 537548
Check Available Memory on SD Card: (Y/N)	Easting: 6991295
Battery Power Check: (Y/N)	Noise Monitor Start Time: 2:20

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	Potential ATV's (cabin nearby)
Human Activities in Area:	potentially ("Hunting/Fishing") - Dyno plant
Animals in Area:	
Other Noise Sources:	

Monitoring Ends

Sample ID: NPOR06a	Cloud Cover: 0%
Date: 2023-08-04	Height of Clouds: 0-10 000 / 10 000-25 000 / 25 000+
Operators: DM - MM	Air Temperature (°C): 24.4
Calibration Completed: (Y/N)	Wind Speed (km/h): 0.4 km/h
Sensitivity: 29.72 mV/Pa	Wind Direction: North
Deviation: -0.04 db	Relative Humidity (%): 56.2
Time of Calibration: 8:37 AM	Precipitation: (None) / Drizzle / Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa): 101.6 kpa
Photographs of Surroundings: (Y/N)	Northing: 537548
Check Available Memory on SD Card: (Y/N)	Easting: 6991295
Battery Power Check: (Y/N)	Noise Monitor End Time: was dead upon arrival switch battery

Monitoring Starts

Sample ID: NPOR 14A	Cloud Cover: 75 %.
Date: 2023-07-29	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: SK, SG	Air Temperature (°C): 20.7
Calibration Completed: (Y/N)	Wind Speed (km/h): 22.2
Sensitivity: 30.10 mV/Pa	Wind Direction: 203° SSW
Deviation: 0.03 dB	Relative Humidity (%): 55.3
Time of Calibration: 16:10	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 549838
Check Available Memory on SD Card: (Y/N)	Easting: 6982602
Battery Power Check: (Y/N)	Noise Monitor Start Time: 16:16

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	Boats, ATVs, Helicopter
Human Activities in Area:	Hunting, Fishing
Animals in Area:	None observed
Other Noise Sources:	

Monitoring Ends

Sample ID: NPOR14a	Cloud Cover: 5%
Date: 2023-07-30	Height of Clouds: 0-10 000 10 000-25 000 (25 000+)
Operators: SK	Air Temperature (°C): 11°C
Calibration Completed: 10:15 a.m (Y/N)	Wind Speed (km/h): 3km/h
Sensitivity: 30.02 mV/Pa	Wind Direction: SW 220°
Deviation: -0.02 dB	Relative Humidity (%): 95%
Time of Calibration: 10:15am	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 549838
Check Available Memory on SD Card: (Y/N)	Easting: 6982602
Battery Power Check: (Y/N)	Noise Monitor End Time: 7:10 am

Grab and go due to helicopter time constraints

Monitoring Starts

Sample ID: NPOR08	Cloud Cover: 2%
Date: 2023-07-31	Height of Clouds: 0-10 000 10 000-25 000 (25 000+)
Operators: SK-RS	Air Temperature (°C): 24.2°C
Calibration Completed: (Y/N)	Wind Speed (km/h): 16km/h
Sensitivity: 30.49	Wind Direction: South 187°
Deviation: 0.02	Relative Humidity (%): 37.6%
Time of Calibration: 14:28	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 543720
Check Available Memory on SD Card: (Y/N)	Easting: 6987260
Battery Power Check: (Y/N)	Noise Monitor Start Time: 14:29

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	Helicopter
Human Activities in Area:	Mine activity / helicopter
Animals in Area:	Arctic Hare / Fox
Other Noise Sources:	bugs

Monitoring Ends

Sample ID: NPOR08	Cloud Cover: None
Date: 2023-08-04	Height of Clouds: NA 0-10 000 10 000-25 000 25 000+
Operators: MM / JT	Air Temperature (°C): 25.8
Calibration Completed: (Y/N) 30.08	Wind Speed (km/h): 4.3
Sensitivity: ~~Completed - forgot sensitivity~~	Wind Direction: 174° S
Deviation: 0.00	Relative Humidity (%): 49.5
Time of Calibration: 11:15	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa): 101.6
Photographs of Surroundings: (Y/N)	Northing: 543720 (from above)
Check Available Memory on SD Card: (Y/N)	Easting: 6987260 " "
Battery Power Check: OK (Y/N)	Noise Monitor End Time: 10:15 Actual

Monitoring Starts

Sample ID: NPOR17a	Cloud Cover: 80%
Date: 2023-08-10	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: DI-AT	Air Temperature (°C): 16.3
Calibration Completed: (Y/N)	Wind Speed (km/h): 6
Sensitivity: 29.72 mV/Pa	Wind Direction: E
Deviation: 0.00 db	Relative Humidity (%): 65.5
Time of Calibration: 10:36	Precipitation: Low None Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa): —
Photographs of Surroundings: (Y/N)	Northing: 546152
Check Available Memory on SD Card: (Y/N)	Easting: 6971995
Battery Power Check: (Y/N)	Noise Monitor Start Time: 10:48

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	Yes 500 m W
Human Activities in Area:	Potential hunters/ATV's
Animals in Area:	None
Other Noise Sources:	

Monitoring Ends

Sample ID: NPOR17a	Cloud Cover: 30%
Date: 2023-08-13	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: AT-DI	Air Temperature (°C): 21
Calibration Completed: ~~29.07~~ (Y/N)	Wind Speed (km/h): 27
Sensitivity: 29.77 mV/Pa	Wind Direction: SW
Deviation: 0.01 db	Relative Humidity (%): 56
Time of Calibration: 4:01	Precipitation: 20% None Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa): —
Photographs of Surroundings: (Y/N)	Northing: 546152
Check Available Memory on SD Card: (Y/N)	Easting: 6971995
Battery Power Check: (Y/N)	Noise Monitor End Time: 2:41

Round 3

Monitoring Starts

Sample ID: NPoR-17A	Cloud Cover: 25%
Date: 2023-08-21	Height of Clouds: 0-10 000 (10 000-25 000) 25 000+
Operators: SK-RS	Air Temperature (°C): 13.6
Calibration Completed: (Y)N	Wind Speed (km/h): 36
Sensitivity: 29.85 MV. PA	Wind Direction: NW
Deviation: 0.02 DB	Relative Humidity (%): 54
Time of Calibration: 15:44	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y)N	Barometric Pressure (kPa): 101.0
Photographs of Surroundings: (Y)N	Northing: 544200
Check Available Memory on SD Card: (Y)N	Easting: 6970533
Battery Power Check: (Y)N	Noise Monitor Start Time: 15:52

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	AWAR traffic
Human Activities in Area:	Potential for local ATVs
Animals in Area:	None observed
Other Noise Sources:	

Monitoring Ends

Sample ID: NPOR17a	Cloud Cover: 80%
Date: 2023-08-25	Height of Clouds: 0-10 000 (10 000-25 000) 25 000+
Operators: SK-JS	Air Temperature (°C): 11°C
Calibration Completed: (Y)N	Wind Speed (km/h): 24
Sensitivity: 29.68 mV/Pa	Wind Direction: WNW
Deviation: -0.05dB	Relative Humidity (%): 86
Time of Calibration: 14:20 (Noise monitor was dead)	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y)/N	Barometric Pressure (kPa):
Photographs of Surroundings: (Y)/N	Northing: 544200
Check Available Memory on SD Card: (Y)N	Easting: 6970533
Battery Power Check: (Y)N (Dead)	Noise Monitor End Time: ? was dead

Collected at 9:45 am

Monitoring Starts

Sample ID: NPOR08	Cloud Cover: 20%
Date: 2023-08-25	Height of Clouds: 0-10 000 10 000-25 000 (25 000+)
Operators: SK-JS	Air Temperature (°C): 13.8
Calibration Completed: (Y/N)	Wind Speed (km/h): 18
Sensitivity: 29.75 mV/Pa	Wind Direction: W
Deviation: 0.02 dB	Relative Humidity (%): 57
Time of Calibration: 15:44	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 543722
Check Available Memory on SD Card: (Y/N)	Easting: 6987271
Battery Power Check: (Y/N)	Noise Monitor Start Time: 15:52

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	Potential helicopter or boat traffic
Human Activities in Area:	None
Animals in Area:	None observed
Other Noise Sources:	

Monitoring Ends

Sample ID: NPOR08	Cloud Cover: 90%
Date: 2023-08-28	Height of Clouds: 0-10 000 (10 000-25 000) 25 000+
Operators: SK-RS	Air Temperature (°C): 8°C
Calibration Completed: (Y/N)	Wind Speed (km/h): 33 km/h
Sensitivity: 29.76 mV/Pa	Wind Direction: NW
Deviation: 0.00 dB	Relative Humidity (%): 63
Time of Calibration: 5:40pm	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 543722
Check Available Memory on SD Card: (Y/N)	Easting: 6987271
Battery Power Check: (Y/N) (Dead)	Noise Monitor End Time: ? battery was dead.

Monitoring Starts

Sample ID: NPOR05	Cloud Cover: 50%
Date: 2023-09-13	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: SK-RS	Air Temperature (°C): 9.0
Calibration Completed: (Y/N)	Wind Speed (km/h): 9.1
Sensitivity: 29.5 €	Wind Direction: SSW
Deviation: -0.06	Relative Humidity (%): 48.4
Time of Calibration: 14:35	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 538004
Check Available Memory on SD Card: (Y/N)	Easting: 6991733
Battery Power Check: (Y/N)	Noise Monitor Start Time: 14:42

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	ATV, Boats
Human Activities in Area:	Fishing, cabins near by
Animals in Area:	Birds, Arctic hares
Other Noise Sources:	

Monitoring Ends

Sample ID: NPOR05	Cloud Cover: 99%
Date: 2023-09-16	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: SK-LK	Air Temperature (°C): 5°C
Calibration Completed: (Y/N)	Wind Speed (km/h): 10
Sensitivity: 29.70 mV/Pa	Wind Direction: SSW
Deviation: 0.04 dB	Relative Humidity (%): 74.5
Time of Calibration: 7:00 (Next day)	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 538004
Check Available Memory on SD Card: (Y/N)	Easting: 6991733
Battery Power Check: (Y/N) (1%)	Noise Monitor End Time: 9:35

Grab and go

Monitoring Starts

Sample ID: NPOR06a	Cloud Cover: 100%
Date: 2023-09-17	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: SK - LK	Air Temperature (°C): 9.1
Calibration Completed: (Y/N)	Wind Speed (km/h): 12.4
Sensitivity: 29.73 mV/Pa	Wind Direction: SSW
Deviation: 0.01 dB	Relative Humidity (%): 87.7
Time of Calibration: 17:20	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 537576
Check Available Memory on SD Card: (Y/N)	Easting: 6991294
Battery Power Check: (Y/N)	Noise Monitor Start Time: 17:23

General Site Description

Type of Ground Surface: Tundra
Traffic in Area: None
Human Activities in Area: None
Animals in Area: Birds
Other Noise Sources: Dyno plant + Cabins nearby

Monitoring Ends

Sample ID: NPOR06a	Cloud Cover: 100%
Date: 2023-09-19	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: SK-LK	Air Temperature (°C): 8.4
Calibration Completed: (Y/N)	Wind Speed (km/h): 20
Sensitivity: 29.79 mV/Pa	Wind Direction: S
Deviation: 0.02 dB	Relative Humidity (%): 85.9
Time of Calibration: 15:30	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 537576
Check Available Memory on SD Card: (Y/N)	Easting: 6991294
Battery Power Check: (Y/N)	Noise Monitor End Time: 14:45

Monitoring Starts

Sample ID:	NPOR14a	Cloud Cover:	5%
Date:	2023-09-20	Height of Clouds:	0-10 000 (10 000-25 000) 25 000+
Operators:	SK-ALB	Air Temperature (°C):	14.4
Calibration Completed:	(Y/N)	Wind Speed (km/h):	5.4
Sensitivity:	29.73 mV/Pa	Wind Direction:	SW
Deviation:	-0.02 dB	Relative Humidity (%):	71
Time of Calibration:	12:32	Precipitation:	(None) Drizzle Rain
Photographs of Set up:	(Y/N)	Barometric Pressure (kPa):	
Photographs of Surroundings:	(Y/N)	Northing:	549673
Check Available Memory on SD Card:	(Y/N)	Easting:	6982043
Battery Power Check:	(Y/N)	Noise Monitor Start Time:	12:40

General Site Description

Type of Ground Surface:	
Traffic in Area:	
Human Activities in Area:	
Animals in Area:	
Other Noise Sources:	

Note: New location due to no helicopter use (within 200m)

Monitoring Ends

Sample ID:	NPOR14a	Cloud Cover:	0%. (Smokey)
Date:	2023-09-24	Height of Clouds:	N/A 0-10 000 10 000-25 000 25 000+
Operators:	SK-JS	Air Temperature (°C):	16.4
Calibration Completed:	Yes (Y/N)	Wind Speed (km/h):	8
Sensitivity:	29.62 mV/Pa	Wind Direction:	SSW
Deviation:	-0.03 dB	Relative Humidity (%):	60.5
Time of Calibration:	14:23	Precipitation:	(None) Drizzle Rain
Photographs of Set up:	(Y/N)	Barometric Pressure (kPa):	
Photographs of Surroundings:	(Y/N)	Northing:	549673
Check Available Memory on SD Card:	(Y/N)	Easting:	6982043
Battery Power Check:	42 min left (Y/N)	Noise Monitor End Time:	14:20

Monitoring Starts

Sample ID: NPOR08	Cloud Cover: 75%
Date: 2023-07-22	Height of Clouds: Low (0-10 000) 10 000-25 000 25 000+
Operators: SK-AT-JC	Air Temperature (°C): 17.6
Calibration Completed: Yes (Y/N)	Wind Speed (km/h): 33.9
Sensitivity: 30.34	Wind Direction: North
Deviation: -0.09 DB	Relative Humidity (%): 51.6
Time of Calibration: 2:42 PM	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 543708
Check Available Memory on SD Card: (Y/N)	Easting: 6987279
Battery Power Check: (Y/N)	Noise Monitor Start Time: 2:45

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	None
Human Activities in Area:	None
Animals in Area:	None
Other Noise Sources:	

Monitoring Ends

Sample ID: NPOR08	Cloud Cover: 50%
Date: 2023-07-26	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: SK-RS	Air Temperature (°C): 14°C
Calibration Completed: (Y/N)	Wind Speed (km/h): 13 Km/h N
Sensitivity: 30.00 mV/PA	Wind Direction: 13 Km/h N
Deviation: -0.10DB	Relative Humidity (%): 68%
Time of Calibration: 2:00	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 543708
Check Available Memory on SD Card: (Y/N)	Easting: 6987279
Battery Power Check: (Y/N)	Noise Monitor End Time: 1:05 pm

Grab and go due to polar bear sighting in the area.

Monitoring Starts

Sample ID: NPOR05	Cloud Cover: 50%
Date: 2023-07-26	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: SK-SG	Air Temperature (°C): 18.6
Calibration Completed: (Y/N)	Wind Speed (km/h): 13.9
Sensitivity: 29.95 [redacted] mV/Pa	Wind Direction: 140° SE
Deviation: 0.01 dB	Relative Humidity (%): 51.5
Time of Calibration: 15:42	Precipitation: [redacted] (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 537978
Check Available Memory on SD Card: (Y/N)	Easting: 6991747
Battery Power Check: (Y/N)	Noise Monitor Start Time: 16:00

General Site Description

Type of Ground Surface: Tundra
Traffic in Area: ATV's (locals) Boat launch (locals)
Human Activities in Area: Cabins (locals)
Animals in Area:
Other Noise Sources:

Monitoring Ends

Sample ID: NPOR05	Cloud Cover: 10%
Date: 2023-07-29	Height of Clouds: 0-10 000 10 000-25 000 (25 000+)
Operators: SK-JC	Air Temperature (°C): 14°C
Calibration Completed: (Y/N)	Wind Speed (km/h): 22 km/h
Sensitivity: 29.72	Wind Direction: SE
Deviation: -0.06	Relative Humidity (%): 74%
Time of Calibration: 2:06	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 537978
Check Available Memory on SD Card: (Y/N)	Easting: 6991747
Battery Power Check: (Y/N)	Noise Monitor End Time: 2:05

Monitoring Starts

Sample ID: NPOR06a	Cloud Cover: 10%
Date: 2023-07-29	Height of Clouds: 0-10 000 / 10 000-25 000 / (25 000+)
Operators: SK - JC	Air Temperature (°C):
Calibration Completed: (Y/N)	Wind Speed (km/h):
Sensitivity: 29.84	Wind Direction:
Deviation: 0.03	Relative Humidity (%):
Time of Calibration: 2:15	Precipitation: (None) / Drizzle / Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 537548
Check Available Memory on SD Card: (Y/N)	Easting: 6991295
Battery Power Check: (Y/N)	Noise Monitor Start Time: 2:20

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	Potential ATV's (cabin nearby)
Human Activities in Area:	potentially ("Hunting/Fishing") - Dyno plant
Animals in Area:	
Other Noise Sources:	

Monitoring Ends

Sample ID: NPOR06a	Cloud Cover: 0%
Date: 2023-08-04	Height of Clouds: 0-10 000 / 10 000-25 000 / 25 000+
Operators: DM - MM	Air Temperature (°C): 24.4
Calibration Completed: (Y/N)	Wind Speed (km/h): 0.4 km/h
Sensitivity: 29.72 mV/Pa	Wind Direction: North
Deviation: -0.04 db	Relative Humidity (%): 56.2
Time of Calibration: 8:37 AM	Precipitation: (None) / Drizzle / Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa): 101.6 kpa
Photographs of Surroundings: (Y/N)	Northing: 537548
Check Available Memory on SD Card: (Y/N)	Easting: 6991295
Battery Power Check: (Y/N)	Noise Monitor End Time: was dead upon arrival switch battery

Monitoring Starts

Sample ID: NPOR 14A	Cloud Cover: 75 %.
Date: 2023-07-29	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: SK, SG	Air Temperature (°C): 20.7
Calibration Completed: (Y/N)	Wind Speed (km/h): 22.2
Sensitivity: 30.10 mV/Pa	Wind Direction: 203° SSW
Deviation: 0.03 dB	Relative Humidity (%): 55.3
Time of Calibration: 16:10	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 549838
Check Available Memory on SD Card: (Y/N)	Easting: 6982602
Battery Power Check: (Y/N)	Noise Monitor Start Time: 16:16

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	Boats, ATVs, Helicopter
Human Activities in Area:	Hunting, Fishing
Animals in Area:	None observed
Other Noise Sources:	

Monitoring Ends

Sample ID: NPOR14a	Cloud Cover: 5%
Date: 2023-07-30	Height of Clouds: 0-10 000 10 000-25 000 (25 000+)
Operators: SK	Air Temperature (°C): 11°C
Calibration Completed: 10:15 a.m (Y/N)	Wind Speed (km/h): 3km/h
Sensitivity: 30.02 mV/Pa	Wind Direction: SW 220°
Deviation: -0.02 dB	Relative Humidity (%): 95%
Time of Calibration: 10:15am	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 549838
Check Available Memory on SD Card: (Y/N)	Easting: 6982602
Battery Power Check: (Y/N)	Noise Monitor End Time: 7:10 am

Grab and go due to helicopter time constraints

Monitoring Starts

Sample ID: NPOR08	Cloud Cover: 2%
Date: 2023-07-31	Height of Clouds: 0-10 000 10 000-25 000 (25 000+)
Operators: SK-RS	Air Temperature (°C): 24.2°C
Calibration Completed: (Y/N)	Wind Speed (km/h): 16km/h
Sensitivity: 30.49	Wind Direction: South 187°
Deviation: 0.02	Relative Humidity (%): 37.6%
Time of Calibration: 14:28	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 543720
Check Available Memory on SD Card: (Y/N)	Easting: 6987260
Battery Power Check: (Y/N)	Noise Monitor Start Time: 14:29

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	Helicopter
Human Activities in Area:	Mine activity / helicopter
Animals in Area:	Arctic Hare / Fox
Other Noise Sources:	bugs

Monitoring Ends

Sample ID: NPOR08	Cloud Cover: None
Date: 2023-08-04	Height of Clouds: NA 0-10 000 10 000-25 000 25 000+
Operators: MM / JT	Air Temperature (°C): 25.8
Calibration Completed: (Y/N) 30.08	Wind Speed (km/h): 4.3
Sensitivity: ~~Completed - forgot sensitivity~~	Wind Direction: 174° S
Deviation: 0.00	Relative Humidity (%): 49.5
Time of Calibration: 11:15	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa): 101.6
Photographs of Surroundings: (Y/N)	Northing: 543720 (from above)
Check Available Memory on SD Card: (Y/N)	Easting: 6987260 " "
Battery Power Check: OK (Y/N)	Noise Monitor End Time: 10:15 Actual

Monitoring Starts

Sample ID: NPOR17a	Cloud Cover: 80%
Date: 2023-08-10	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: DI-AT	Air Temperature (°C): 16.3
Calibration Completed: (Y/N)	Wind Speed (km/h): 6
Sensitivity: 29.72 mV/Pa	Wind Direction: E
Deviation: 0.00 db	Relative Humidity (%): 65.5
Time of Calibration: 10:36	Precipitation: Low None Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa): —
Photographs of Surroundings: (Y/N)	Northing: 546152
Check Available Memory on SD Card: (Y/N)	Easting: 6971995
Battery Power Check: (Y/N)	Noise Monitor Start Time: 10:48

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	Yes 500 m W
Human Activities in Area:	Potential hunters/ATV's
Animals in Area:	None
Other Noise Sources:	

Monitoring Ends

Sample ID: NPOR17a	Cloud Cover: 30%
Date: 2023-08-13	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: AT-DI	Air Temperature (°C): 21
Calibration Completed: ~~29.07~~ (Y/N)	Wind Speed (km/h): 27
Sensitivity: 29.77 mV/Pa	Wind Direction: SW
Deviation: 0.01 db	Relative Humidity (%): 56
Time of Calibration: 4:01	Precipitation: 20% None Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa): —
Photographs of Surroundings: (Y/N)	Northing: 546152
Check Available Memory on SD Card: (Y/N)	Easting: 6971995
Battery Power Check: (Y/N)	Noise Monitor End Time: 2:41

Round 3

Monitoring Starts

Sample ID: NPoR-17A	Cloud Cover: 25%
Date: 2023-08-21	Height of Clouds: 0-10 000 (10 000-25 000) 25 000+
Operators: SK-RS	Air Temperature (°C): 13.6
Calibration Completed: (Y)N	Wind Speed (km/h): 36
Sensitivity: 29.85 MV. PA	Wind Direction: NW
Deviation: 0.02 DB	Relative Humidity (%): 54
Time of Calibration: 15:44	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y)N	Barometric Pressure (kPa): 101.0
Photographs of Surroundings: (Y)N	Northing: 544200
Check Available Memory on SD Card: (Y)N	Easting: 6970533
Battery Power Check: (Y)N	Noise Monitor Start Time: 15:52

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	AWAR traffic
Human Activities in Area:	Potential for local ATVs
Animals in Area:	None observed
Other Noise Sources:	

Monitoring Ends

Sample ID: NPOR17a	Cloud Cover: 80%
Date: 2023-08-25	Height of Clouds: 0-10 000 (10 000-25 000) 25 000+
Operators: SK-JS	Air Temperature (°C): 11°C
Calibration Completed: (Y)N	Wind Speed (km/h): 24
Sensitivity: 29.68 mV/Pa	Wind Direction: WNW
Deviation: -0.05dB	Relative Humidity (%): 86
Time of Calibration: 14:20 (Noise monitor was dead)	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y)/N	Barometric Pressure (kPa):
Photographs of Surroundings: (Y)/N	Northing: 544200
Check Available Memory on SD Card: (Y)N	Easting: 6970533
Battery Power Check: (Y)N (Dead)	Noise Monitor End Time: ? was dead

Collected at 9:45 am

Monitoring Starts

Sample ID: NPOR08	Cloud Cover: 20%
Date: 2023-08-25	Height of Clouds: 0-10 000 10 000-25 000 (25 000+)
Operators: SK-JS	Air Temperature (°C): 13.8
Calibration Completed: (Y/N)	Wind Speed (km/h): 18
Sensitivity: 29.75 mV/Pa	Wind Direction: W
Deviation: 0.02 dB	Relative Humidity (%): 57
Time of Calibration: 15:44	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 543722
Check Available Memory on SD Card: (Y/N)	Easting: 6987271
Battery Power Check: (Y/N)	Noise Monitor Start Time: 15:52

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	Potential helicopter or boat traffic
Human Activities in Area:	None
Animals in Area:	None observed
Other Noise Sources:	

Monitoring Ends

Sample ID: NPOR08	Cloud Cover: 90%
Date: 2023-08-28	Height of Clouds: 0-10 000 (10 000-25 000) 25 000+
Operators: SK-RS	Air Temperature (°C): 8°C
Calibration Completed: (Y/N)	Wind Speed (km/h): 33 km/h
Sensitivity: 29.76 mV/Pa	Wind Direction: NW
Deviation: 0.00 dB	Relative Humidity (%): 63
Time of Calibration: 5:40pm	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 543722
Check Available Memory on SD Card: (Y/N)	Easting: 6987271
Battery Power Check: (Y/N) (Dead)	Noise Monitor End Time: ? battery was dead.

Monitoring Starts

Sample ID: NPOR05	Cloud Cover: 50%
Date: 2023-09-13	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: SK-RS	Air Temperature (°C): 9.0
Calibration Completed: (Y/N)	Wind Speed (km/h): 9.1
Sensitivity: 29.5 €	Wind Direction: SSW
Deviation: -0.06	Relative Humidity (%): 48.4
Time of Calibration: 14:35	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 538004
Check Available Memory on SD Card: (Y/N)	Easting: 6991733
Battery Power Check: (Y/N)	Noise Monitor Start Time: 14:42

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	ATV, Boats
Human Activities in Area:	Fishing, cabins near by
Animals in Area:	Birds, Arctic hares
Other Noise Sources:	

Monitoring Ends

Sample ID: NPOR05	Cloud Cover: 99%
Date: 2023-09-16	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: SK-LK	Air Temperature (°C): 5°C
Calibration Completed: (Y/N)	Wind Speed (km/h): 10
Sensitivity: 29.70 mV/Pa	Wind Direction: SSW
Deviation: 0.04 dB	Relative Humidity (%): 74.5
Time of Calibration: 7:00 (Next day)	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 538004
Check Available Memory on SD Card: (Y/N)	Easting: 6991733
Battery Power Check: (Y/N) (1%)	Noise Monitor End Time: 9:35

Grab and go

Monitoring Starts

Sample ID: NPOR06a	Cloud Cover: 100%
Date: 2023-09-17	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: SK - LK	Air Temperature (°C): 9.1
Calibration Completed: (Y/N)	Wind Speed (km/h): 12.4
Sensitivity: 29.73 mV/Pa	Wind Direction: SSW
Deviation: 0.01 dB	Relative Humidity (%): 87.7
Time of Calibration: 17:20	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 537576
Check Available Memory on SD Card: (Y/N)	Easting: 6991294
Battery Power Check: (Y/N)	Noise Monitor Start Time: 17:23

General Site Description

Type of Ground Surface: Tundra
Traffic in Area: None
Human Activities in Area: None
Animals in Area: Birds
Other Noise Sources: Dyno plant + Cabins nearby

Monitoring Ends

Sample ID: NPOR06a	Cloud Cover: 100%
Date: 2023-09-19	Height of Clouds: (0-10 000) 10 000-25 000 25 000+
Operators: SK-LK	Air Temperature (°C): 8.4
Calibration Completed: (Y/N)	Wind Speed (km/h): 20
Sensitivity: 29.79 mV/Pa	Wind Direction: S
Deviation: 0.02 dB	Relative Humidity (%): 85.9
Time of Calibration: 15:30	Precipitation: (None) Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 537576
Check Available Memory on SD Card: (Y/N)	Easting: 6991294
Battery Power Check: (Y/N)	Noise Monitor End Time: 14:45

Monitoring Starts

Sample ID:	NPOR14a	Cloud Cover:	5%
Date:	2023-09-20	Height of Clouds:	0-10 000 (10 000-25 000) 25 000+
Operators:	SK-ALB	Air Temperature (°C):	14.4
Calibration Completed:	(Y/N)	Wind Speed (km/h):	5.4
Sensitivity:	29.73 mV/Pa	Wind Direction:	SW
Deviation:	-0.02 dB	Relative Humidity (%):	71
Time of Calibration:	12:32	Precipitation:	(None) Drizzle Rain
Photographs of Set up:	(Y/N)	Barometric Pressure (kPa):	
Photographs of Surroundings:	(Y/N)	Northing:	549673
Check Available Memory on SD Card:	(Y/N)	Easting:	6982043
Battery Power Check:	(Y/N)	Noise Monitor Start Time:	12:40

General Site Description

Type of Ground Surface:	
Traffic in Area:	
Human Activities in Area:	
Animals in Area:	
Other Noise Sources:	

Note: New location due to no helicopter use (within 200m)

Monitoring Ends

Sample ID:	NPOR14a	Cloud Cover:	0%. (Smokey)
Date:	2023-09-24	Height of Clouds:	N/A 0-10 000 10 000-25 000 25 000+
Operators:	SK-JS	Air Temperature (°C):	16.4
Calibration Completed:	Yes (Y/N)	Wind Speed (km/h):	8
Sensitivity:	29.62 mV/Pa	Wind Direction:	SSW
Deviation:	-0.03 dB	Relative Humidity (%):	60.5
Time of Calibration:	14:23	Precipitation:	(None) Drizzle Rain
Photographs of Set up:	(Y/N)	Barometric Pressure (kPa):	
Photographs of Surroundings:	(Y/N)	Northing:	549673
Check Available Memory on SD Card:	(Y/N)	Easting:	6982043
Battery Power Check:	42 min left (Y/N)	Noise Monitor End Time:	14:20

APPENDIX B: WEATHER DATA AND HOURLY L_{EQ} VALUES

Appx A - Table 1. Weather data recorded from the Meliadine site permanent weather station for noise monitoring dates, and hourly Leq values calculated after primary data filtering. Values filtered out during secondary filtering are in italics.

Date and Time	Avg. Air Temp (C)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Avg. Relative Humidity (%)	Precip. (mm)	1-h Leq (dBA)			
						NPOR 6a	NPOR 8	NPOR 14a/b	NPOR 17a
7/21/23 16:00	11.8	20.7	358	93	0.01				-
7/21/23 17:00	12.1	17.5	347	88	1.11				-
7/21/23 18:00	11.7	20.7	348	89	1.12				-
7/21/23 19:00	11.6	21.4	349	86	0.01				-
7/21/23 20:00	12.6	19.3	349	80	0.00				-
7/21/23 21:00	12.4	14.9	341	81	0.00				41.3
7/21/23 22:00	12.1	17.8	349	84	0.00				-
7/21/23 23:00	11.9	20.1	350	86	0.00				-
7/22/23 0:00	11.4	19.9	348	90	0.23				-
7/22/23 1:00	11.1	18.5	355	91	0.34				-
7/22/23 2:00	11.1	19.7	5	92	0.00				-
7/22/23 3:00	10.7	17.8	14	96	0.00				-
7/22/23 4:00	10.4	16.6	18	99	0.00				-
7/22/23 5:00	10.1	12.4	13	100	0.02				29.3
7/22/23 6:00	10.9	12.0	22	100	0.01				32.8
7/22/23 7:00	11.8	18.8	43	97	0.02				-
7/22/23 8:00	12.7	21.3	71	86	0.00				-
7/22/23 9:00	13.7	25.2	78	78	0.00				-
7/22/23 10:00	15.0	23.4	78	69	0.09				-
7/22/23 11:00	16.6	22.0	66	62	0.02				-
7/22/23 12:00	17.7	20.9	58	53	0.03				-
7/22/23 13:00	18.8	23.0	46	47	0.02				-
7/22/23 14:00	18.9	26.8	42	47	0.00		-		-
7/22/23 15:00	18.5	25.9	39	49	0.00		-		-
7/22/23 16:00	18.9	26.2	22	52	0.01		-		-
7/22/23 17:00	18.4	23.7	14	60	0.00		-		-
7/22/23 18:00	19.3	20.6	14	56	0.03		-		-
7/22/23 19:00	16.7	20.3	21	73	0.58		-		-
7/22/23 20:00	16.1	13.8	353	81	0.03		*42.9*		42.3
7/22/23 21:00	16.0	12.3	4	80	0.00		30.4		43.8
7/22/23 22:00	15.3	9.2	13	83	0.00		27.7		40.5
7/22/23 23:00	14.0	8.3	349	87	0.00		26.1		43.4
7/23/23 0:00	13.9	10.6	336	86	0.04		*28.4*		32.8
7/23/23 1:00	13.5	9.0	336	91	0.00		41.3		38.2

Date and Time	Avg. Air Temp (C)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Avg. Relative Humidity (%)	Precip. (mm)	1-h Leq (dBA)			
						NPOR 6a	NPOR 8	NPOR 14a/b	NPOR 17a
7/23/23 2:00	13.6	13.8	6	88	0.02		*50.1*		29.1
7/23/23 3:00	12.3	17.2	359	89	0.00		-		-
7/23/23 4:00	12.2	16.5	8	91	0.00		-		-
7/23/23 5:00	11.8	15.3	0	92	0.01		-		-
7/23/23 6:00	11.9	18.5	353	91	0.00		-		-
7/23/23 7:00	12.5	18.9	357	89	0.01		-		-
7/23/23 8:00	13.6	20.4	11	85	0.03		-		-
7/23/23 9:00	14.9	18.8	19	79	0.02		-		-
7/23/23 10:00	16.4	18.5	20	72	0.03		-		-
7/23/23 11:00	17.6	21.1	39	61	0.04		-		-
7/23/23 12:00	17.8	23.5	40	55	0.03		-		-
7/23/23 13:00	18.5	24.9	38	50	0.03		-		-
7/23/23 14:00	19.3	26.8	50	45	0.01		-		-
7/23/23 15:00	18.8	26.6	46	45	0.00		-		-
7/23/23 16:00	18.5	25.8	38	46	0.01		-		-
7/23/23 17:00	18.9	26.4	33	45	0.00		-		-
7/23/23 18:00	18.5	24.4	40	49	0.00		-		-
7/23/23 19:00	18.1	31.1	58	50	0.03		-		-
7/23/23 20:00	17.1	34.8	55	55	0.00		-		-
7/23/23 21:00	15.0	38.5	56	70	0.00		-		-
7/23/23 22:00	13.6	39.5	50	80	0.00		-		-
7/23/23 23:00	12.3	37.7	43	93	0.00		-		-
7/24/23 0:00	11.5	34.0	35	100	0.05		-		-
7/24/23 1:00	11.6	33.2	31	100	0.22		-		-
7/24/23 2:00	11.5	33.7	37	100	0.12		-		-
7/24/23 3:00	11.4	33.1	45	100	0.64		-		-
7/24/23 4:00	11.1	33.4	42	100	0.02		-		-
7/24/23 5:00	11.1	31.4	35	100	0.00		-		-
7/24/23 6:00	11.0	33.8	30	100	0.01		-		-
7/24/23 7:00	11.0	35.1	31	100	0.00		-		-
7/24/23 8:00	11.1	37.8	30	100	0.01		-		-
7/24/23 9:00	11.4	36.3	32	100	0.12		-		-
7/24/23 10:00	11.9	37.3	33	97	0.00		-		-
7/24/23 11:00	12.2	35.8	35	94	0.00		-		
7/24/23 12:00	13.1	32.7	39	89	0.01		-		
7/24/23 13:00	13.6	33.5	45	84	0.02		-		
7/24/23 14:00	13.9	32.1	44	83	0.00		-		

Date and Time	Avg. Air Temp (C)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Avg. Relative Humidity (%)	Precip. (mm)	1-h Leq (dBA)			
						NPOR 6a	NPOR 8	NPOR 14a/b	NPOR 17a
7/24/23 15:00	13.4	25.8	57	87	0.00		-		
7/24/23 16:00	12.4	24.9	58	92	0.00		-		
7/24/23 17:00	12.3	23.2	51	94	0.18		-		
7/24/23 18:00	12.5	24.3	43	94	0.01		-		
7/24/23 19:00	12.3	27.6	50	97	0.14		-		
7/24/23 20:00	11.5	27.0	46	99	0.59		-		
7/24/23 21:00	11.7	28.2	44	98	0.00		-		
7/24/23 22:00	11.5	27.7	50	98	0.00		-		
7/24/23 23:00	10.7	28.1	60	100	0.00		-		
7/25/23 0:00	10.2	26.4	59	100	0.00		-		
7/25/23 1:00	9.8	27.6	65	99	0.00		-		
7/25/23 2:00	9.2	29.0	65	100	0.09		-		
7/25/23 3:00	9.4	30.2	59	99	0.00		-		
7/25/23 4:00	9.4	28.9	64	99	0.00		-		
7/25/23 5:00	9.0	25.2	68	100	0.00		-		
7/25/23 6:00	9.0	26.6	62	99	0.02		-		
7/25/23 7:00	9.1	26.0	56	99	0.00		-		
7/25/23 8:00	9.4	24.7	49	100	0.02		-		
7/25/23 9:00	10.4	27.5	52	98	0.02		-		
7/25/23 10:00	11.6	26.3	46	94	0.02		-		
7/25/23 11:00	13.6	30.1	57	85	0.04		-		
7/25/23 12:00	15.3	32.3	60	77	0.04		-		
7/25/23 13:00	16.7	29.5	76	70	0.03		-		
7/25/23 14:00	17.5	25.1	83	62	0.02		-		
7/25/23 15:00	17.9	22.0	77	60	0.02		-		
7/25/23 16:00	18.0	19.9	61	58	0.00		-		
7/25/23 17:00	18.3	17.9	51	58	0.05		-		
7/25/23 18:00	18.1	18.2	18	62	0.00		-		
7/25/23 19:00	18.4	17.3	35	61	0.04		-		
7/25/23 20:00	18.5	24.1	32	57	0.00		-		
7/25/23 21:00	17.1	26.5	68	68	0.00		-		
7/25/23 22:00	15.2	15.2	66	78	0.00		-		
7/25/23 23:00	13.4	10.3	36	90	0.00		42.7		
7/26/23 0:00	12.8	12.7	24	92	0.00		42.0		
7/26/23 1:00	12.6	13.4	25	94	0.00		43.1		
7/26/23 2:00	11.8	11.1	23	97	0.00		36.7		
7/26/23 3:00	11.5	12.2	37	98	0.00		39.3		

Date and Time	Avg. Air Temp (C)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Avg. Relative Humidity (%)	Precip. (mm)	1-h Leq (dBA)			
						NPOR 6a	NPOR 8	NPOR 14a/b	NPOR 17a
7/26/23 4:00	11.1	12.6	32	96	0.00		39.6		
7/26/23 5:00	10.9	13.5	43	96	0.00		35.0		
7/26/23 6:00	10.6	11.5	61	97	0.03		*40.4*		
7/26/23 7:00	11.0	15.1	90	95	0.01		-		
7/26/23 8:00	10.8	15.3	92	95	0.01		-		
7/26/23 9:00	12.1	11.4	73	86	0.01		*25.0*		
7/26/23 10:00	13.6	10.5	73	76	0.03		*40.1*		
7/26/23 11:00	15.0	8.7	56	69	0.05		*29.7*		
7/26/23 12:00	15.9	10.6	54	64	0.02		*30.5*		
7/26/23 13:00	16.6	12.1	60	60	0.06		-		
7/27/23 16:00	20.9	23.8	14	49	0.00			-	
7/27/23 17:00	20.5	21.8	9	50	0.00			-	
7/27/23 18:00	21.1	21.2	5	47	0.02			-	
7/27/23 19:00	21.2	20.4	26	44	0.01			-	
7/27/23 20:00	20.5	20.0	27	48	0.00			-	
7/27/23 21:00	19.2	13.7	17	55	0.00			29.2	
7/27/23 22:00	16.9	8.4	99	65	0.00			22.6	
7/27/23 23:00	14.5	7.1	145	77	0.00			29.5	
7/28/23 0:00	13.6	4.7	155	87	0.00			29.1	
7/28/23 1:00	13.5	1.2	166	88	0.00			30.7	
7/28/23 2:00	13.1	2.0	1	96	0.00			19.7	
7/28/23 3:00	13.2	2.9	347	92	0.00			25.1	
7/28/23 4:00	12.4	5.8	55	90	0.00			30.3	
7/28/23 5:00	10.6	5.6	124	92	0.00			22.7	
7/28/23 6:00	10.9	5.3	123	92	0.05			31.1	
7/28/23 7:00	12.6	3.2	105	83	0.04			20.9	
7/28/23 8:00	14.4	6.4	95	72	0.04			25.7	
7/28/23 9:00	15.6	6.1	113	66	0.02			23.7	
7/28/23 10:00	17.0	6.7	122	58	0.04			25.0	
7/28/23 11:00	18.3	4.9	76	52	0.05			30.9	
7/28/23 12:00	19.3	4.3	99	48	0.05			35.0	
7/28/23 13:00	19.8	4.6	149	46	0.04			36.7	
7/28/23 14:00	20.0	9.9	218	51	0.00			35.6	
7/28/23 15:00	20.2	11.4	229	50	0.00			35.0	
7/28/23 16:00	20.7	9.8	220	47	0.06			36.2	
7/28/23 17:00	20.9	9.8	228	46	0.00			36.7	

Date and Time	Avg. Air Temp (C)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Avg. Relative Humidity (%)	Precip. (mm)	1-h Leq (dBA)			
						NPOR 6a	NPOR 8	NPOR 14a/b	NPOR 17a
7/28/23 18:00	20.3	11.1	225	51	0.00			40.4	
7/28/23 19:00	20.0	9.4	209	52	0.00			43.4	
7/28/23 20:00	19.0	10.3	209	56	0.00			42.9	
7/28/23 21:00	17.4	10.1	216	63	0.00			41.2	
7/28/23 22:00	16.4	10.6	224	72	0.00			40.2	
7/28/23 23:00	16.2	9.3	238	77	0.00			34.5	
7/29/23 0:00	16.1	13.1	250	78	0.00			32.2	
7/29/23 1:00	15.5	13.0	260	78	0.00			29.6	
7/29/23 2:00	14.9	13.6	266	79	0.00			32.9	
7/29/23 3:00	14.6	14.7	272	85	0.00			24.6	
7/29/23 4:00	14.1	16.5	275	85	0.00			-	
7/29/23 5:00	14.3	8.4	271	82	0.00			27.5	
7/29/23 6:00	14.3	4.9	201	82	0.03			30.4	
7/29/23 7:00	14.9	7.2	229	78	0.02			27.3	
7/29/23 8:00	15.2	7.4	188	80	0.03			31.8	
7/29/23 9:00	16.2	9.1	156	76	0.00			36.2	
7/29/23 10:00	17.1	13.5	127	69	0.03			38.2	
7/29/23 11:00	18.0	10.9	138	63	0.04			34.0	
7/29/23 12:00	18.6	15.6	108	56	0.00			-	
7/29/23 13:00	19.0	12.2	110	47	0.03			30.4	
7/29/23 14:00	19.7	11.4	114	38	0.02	-		28.9	
7/29/23 15:00	20.1	12.0	117	34	0.00	38.7		38.5	
7/29/23 16:00	20.2	10.6	121	33	0.01	48.4		36.2	
7/29/23 17:00	19.7	12.4	127	38	0.00	31.6		38.8	
7/29/23 18:00	19.4	13.1	122	36	0.00	34.9		37.3	
7/29/23 19:00	18.5	6.6	168	56	0.00	35.2		33.6	
7/29/23 20:00	17.5	6.1	187	62	0.00	35.5		24.9	
7/29/23 21:00	16.5	5.6	186	64	0.00	41.9		35.8	
7/29/23 22:00	14.6	5.0	203	76	0.00	38.1		20.8	
7/29/23 23:00	12.9	3.5	197	89	0.00	34.3		21.3	
7/30/23 0:00	12.6	4.0	169	89	0.00	33.1		23.6	
7/30/23 1:00	12.3	2.6	170	89	0.00	32.7		31.6	
7/30/23 2:00	11.7	2.0	176	92	0.00	32.6		26.4	
7/30/23 3:00	11.6	2.7	147	95	0.01	29.1		21.5	
7/30/23 4:00	11.1	3.4	159	100	0.00	31.9		21.1	
7/30/23 5:00	11.0	2.3	211	100	0.00	31.7		22.9	
7/30/23 6:00	11.7	1.3	220	97	0.05	31.5		32.4	

Date and Time	Avg. Air Temp (C)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Avg. Relative Humidity (%)	Precip. (mm)	1-h Leq (dBA)			
						NPOR 6a	NPOR 8	NPOR 14a/b	NPOR 17a
7/30/23 7:00	11.6	7.4	246	96	0.00	28.5		-	
7/30/23 8:00	12.7	9.1	256	89	0.06	28.7			
7/30/23 9:00	15.0	8.1	271	76	0.04	28.8			
7/30/23 10:00	17.2	8.2	274	59	0.05	31.7			
7/30/23 11:00	19.0	11.1	300	45	0.04	29.5			
7/30/23 12:00	20.0	13.7	320	40	0.04	31.9			
7/30/23 13:00	20.7	14.9	321	40	0.03	32.4			
7/30/23 14:00	21.9	14.8	322	37	0.03	30.3			
7/30/23 15:00	22.7	13.8	324	34	0.01	47.0			
7/30/23 16:00	23.1	14.8	315	33	0.02	31.9			
7/30/23 17:00	23.4	14.6	319	32	0.02	46.4			
7/30/23 18:00	23.5	15.6	309	32	0.00	-			
7/30/23 19:00	23.5	16.1	306	33	0.00	-			
7/30/23 20:00	23.0	15.3	304	35	0.00	-			
7/30/23 21:00	21.5	12.8	297	45	0.00	38.7			
7/30/23 22:00	18.7	13.2	279	60	0.00	34.7			
7/30/23 23:00	16.3	16.1	279	70	0.00	-			
7/31/23 0:00	15.2	16.9	279	74	0.00	-			
7/31/23 1:00	14.6	16.1	282	76	0.00	-			
7/31/23 2:00	15.2	14.1	299	72	0.00	24.8			
7/31/23 3:00	14.0	11.6	298	80	0.00	22.6			
7/31/23 4:00	13.1	11.2	288	83	0.00	22.8			
7/31/23 5:00	13.1	12.7	293	84	0.00	23.5			
7/31/23 6:00	13.9	10.4	301	83	0.05	31.0			
7/31/23 7:00	15.3	7.9	316	78	0.01	25.9			
7/31/23 8:00	16.7	9.7	345	71	0.02	22.1			
7/31/23 9:00	18.3	7.0	3	58	0.04	36.9			
7/31/23 10:00	20.0	4.7	14	48	0.06	23.3			
7/31/23 11:00	21.7	5.1	339	38	0.09	27.1			
7/31/23 12:00	22.5	8.2	265	35	0.01	31.3			
7/31/23 13:00	23.1	9.8	266	32	0.00	35.2			
7/31/23 14:00	23.7	10.7	222	31	0.01	37.2	-		
7/31/23 15:00	23.4	10.7	216	32	0.00	37.5	47.8		
7/31/23 16:00	23.0	9.9	204	34	0.00	35.4	45.1		
7/31/23 17:00	21.9	9.9	201	35	0.00	34.2	43.2		
7/31/23 18:00	21.2	8.9	214	35	0.00	37.0	43.6		
7/31/23 19:00	20.4	9.0	222	37	0.00	40.8	32.8		

Date and Time	Avg. Air Temp (C)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Avg. Relative Humidity (%)	Precip. (mm)	1-h Leq (dBA)			
						NPOR 6a	NPOR 8	NPOR 14a/b	NPOR 17a
7/31/23 20:00	19.7	7.7	199	47	0.00	44.0	33.9		
7/31/23 21:00	17.6	7.1	176	55	0.00	44.5	33.4		
7/31/23 22:00	15.9	6.6	183	61	0.00	42.2	30.4		
7/31/23 23:00	14.9	8.0	217	67	0.00	43.6	30.5		
8/01/23 0:00	14.4	6.0	188	69	0.00	42.3	30.2		
8/01/23 1:00	12.7	2.1	162	85	0.00	40.3	27.4		
8/01/23 2:00	12.5	1.6	166	88	0.00	32.5	29.2		
8/01/23 3:00	12.6	1.8	169	92	0.00	36.9	31.9		
8/01/23 4:00	12.6	3.7	163	94	0.00	41.7	28.8		
8/01/23 5:00	12.4	4.0	166	96	0.01	26.0	37.0		
8/01/23 6:00	13.1	3.6	166	92	0.03	29.8	45.8		
8/01/23 7:00	14.2	3.3	156	84	0.04	38.0	37.6		
8/01/23 8:00	16.0	2.5	160	78	0.06	38.1	39.6		
8/01/23 9:00	17.9	2.5	344	72	0.03	25.2	36.8		
8/01/23 10:00	18.9	4.3	17	73	0.03	26.6	44.9		
8/01/23 11:00	20.3	6.8	13	61	0.04	23.3	21.8		
8/01/23 12:00	21.8	7.5	5	58	0.06	29.0	27.4		
8/01/23 13:00	23.6	10.7	358	42	0.02	27.4	29.0		
8/01/23 14:00	24.3	11.1	356	36	0.03	28.8	31.0		
8/01/23 15:00	24.9	10.7	45	32	0.02	38.0	47.2		
8/01/23 16:00	25.1	11.9	75	32	0.00	38.0	44.2		
8/01/23 17:00	23.7	9.9	182	35	0.00	36.4	45.4		
8/01/23 18:00	23.3	9.3	173	35	0.00	35.9	42.5		
8/01/23 19:00	22.1	9.0	169	38	0.00	35.0	35.5		
8/01/23 20:00	19.7	11.8	151	53	0.00	32.0	26.5		
8/01/23 21:00	17.8	10.7	152	64	0.00		26.7		
8/01/23 22:00	16.8	8.2	154	67	0.00		23.6		
8/01/23 23:00	15.6	6.2	169	76	0.00		23.0		
8/02/23 0:00	14.9	4.6	144	80	0.00		20.8		
8/02/23 1:00	13.4	3.9	56	97	0.00		21.3		
8/02/23 2:00	13.2	4.5	62	93	0.00		25.9		
8/02/23 3:00	13.1	4.4	58	98	0.01		22.7		
8/02/23 4:00	13.0	2.8	64	92	0.00		25.0		
8/02/23 5:00	13.0	4.2	89	83	0.00		34.5		
8/02/23 6:00	13.8	6.6	123	84	0.07		36.7		
8/02/23 7:00	15.2	4.9	98	79	0.03		34.9		
8/02/23 8:00	16.6	11.9	98	69	0.02		29.3		

Date and Time	Avg. Air Temp (C)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Avg. Relative Humidity (%)	Precip. (mm)	1-h Leq (dBA)			
						NPOR 6a	NPOR 8	NPOR 14a/b	NPOR 17a
8/02/23 9:00	18.0	15.1	111	62	0.04		-		
8/02/23 10:00	19.4	16.4	115	52	0.03		-		
8/02/23 11:00	20.4	16.1	116	47	0.03		-		
8/02/23 12:00	21.3	14.1	91	45	0.05		37.2		
8/02/23 13:00	22.2	17.7	65	40	0.02		-		
8/02/23 14:00	22.5	22.0	63	41	0.02		-		
8/02/23 15:00	22.6	22.3	74	40	0.00		-		
8/02/23 16:00	22.8	20.5	78	38	0.01		-		
8/02/23 17:00	22.8	19.2	76	37	0.01		-		
8/02/23 18:00	22.2	19.9	83	39	0.00		-		
8/02/23 19:00	21.7	16.2	100	41	0.00		-		
8/02/23 20:00	20.7	12.5	129	48	0.00		28.9		
8/02/23 21:00	17.4	7.9	217	67	0.00		26.3		
8/02/23 22:00	14.4	9.9	228	83	0.00		25.4		
8/02/23 23:00	12.7	8.4	223	90	0.00		23.8		
8/03/23 0:00	12.4	8.0	228	90	0.00		21.8		
8/03/23 1:00	12.7	8.0	234	89	0.00		25.7		
8/03/23 2:00	13.0	8.5	244	88	0.00		26.6		
8/03/23 3:00	13.3	7.1	255	96	0.00		29.1		
8/03/23 4:00	13.8	7.3	246	93	0.00		28.8		
8/03/23 5:00	13.9	5.8	230	93	0.00		37.9		
8/03/23 6:00	13.9	7.8	229	93	0.02		38.7		
8/03/23 7:00	14.6	8.4	227	89	0.03		40.1		
8/03/23 8:00	16.4	8.0	235	81	0.04		46.4		
8/03/23 9:00	18.3	13.6	249	70	0.03		45.7		
8/03/23 10:00	20.0	11.4	261	64	0.05		44.0		
8/03/23 11:00	21.8	10.8	284	58	0.05		44.8		
8/03/23 12:00	23.3	11.4	309	49	0.06		41.9		
8/03/23 13:00	24.4	12.1	331	44	0.02		31.2		
8/03/23 14:00	25.4	12.2	345	37	0.02		33.6		
8/03/23 15:00	25.6	12.5	352	34	0.02		43.7		
8/03/23 16:00	25.8	11.8	340	32	0.00		40.8		
8/03/23 17:00	25.8	10.7	343	31	0.01		34.1		
8/03/23 18:00	25.7	10.1	353	30	0.00		37.3		
8/03/23 19:00	25.4	7.0	356	30	0.01		24.6		
8/03/23 20:00	25.0	5.4	347	32	0.00		26.8		
8/03/23 21:00	24.2	3.7	293	36	0.00		26.0		

Date and Time	Avg. Air Temp (C)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Avg. Relative Humidity (%)	Precip. (mm)	1-h Leq (dBA)			
						NPOR 6a	NPOR 8	NPOR 14a/b	NPOR 17a
8/03/23 22:00	22.0	8.3	263	45	0.00		26.5		
8/10/23 10:00	14.1	1.6	189	84	0.06				-
8/10/23 11:00	14.4	6.2	42	85	0.00				37.7
8/10/23 12:00	16.3	6.3	173	72	0.10				37.6
8/10/23 13:00	16.3	6.3	131	76	0.50				35.3
8/10/23 14:00	17.5	7.1	197	69	0.04				38.3
8/10/23 15:00	19.1	8.4	229	57	0.04				41.7
8/10/23 16:00	20.1	6.5	295	53	0.01				38.6
8/10/23 17:00	20.4	7.8	196	51	0.01				36.6
8/10/23 18:00	19.1	11.2	215	55	0.00				38.0
8/10/23 19:00	17.8	11.2	219	65	0.00				38.2
8/10/23 20:00	17.7	8.9	221	73	0.00				44.8
8/10/23 21:00	17.0	9.2	227	80	0.00				37.5
8/10/23 22:00	16.7	12.8	257	83	0.00				39.9
8/10/23 23:00	16.1	15.9	255	88	0.00				-
8/11/23 0:00	15.3	10.4	277	92	0.00				43.4
8/11/23 1:00	15.4	12.3	311	87	2.91				28.3
8/11/23 2:00	15.4	11.0	274	81	0.15				30.6
8/11/23 3:00	14.8	17.1	352	93	1.38				-
8/11/23 4:00	14.5	5.7	360	92	2.87				37.7
8/11/23 5:00	15.3	2.2	224	83	0.01				26.1
8/11/23 6:00	14.6	9.2	245	91	0.00				34.4
8/11/23 7:00	14.2	9.2	243	97	0.00				38.7
8/11/23 8:00	14.9	8.1	270	96	0.03				35.8
8/11/23 9:00	16.2	4.5	277	88	0.04				30.9
8/11/23 10:00	17.5	6.0	255	80	0.04				33.1
8/11/23 11:00	18.2	7.0	262	77	0.00				39.0
8/11/23 12:00	19.9	6.4	232	69	0.08				36.4
8/11/23 13:00	20.1	5.5	224	69	0.00				39.0
8/11/23 14:00	20.6	4.5	161	66	0.06				39.1
8/11/23 15:00	21.0	8.3	166	66	0.00				38.5
8/11/23 16:00	20.9	9.1	180	64	0.00				43.9
8/11/23 17:00	19.8	10.9	183	62	0.00				39.2
8/11/23 18:00	18.3	13.0	192	66	0.00				38.7
8/11/23 19:00	(weather station damaged from lightning strike)								-
8/11/23 20:00									-

Date and Time	Avg. Air Temp (C)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Avg. Relative Humidity (%)	Precip. (mm)	1-h Leq (dBA)			
						NPOR 6a	NPOR 8	NPOR 14a/b	NPOR 17a
8/11/23 21:00									-
8/11/23 22:00									-
8/11/23 23:00									-
8/12/23 0:00									-
8/12/23 1:00									-
8/12/23 2:00									-
8/12/23 3:00									-
8/12/23 4:00									-
8/12/23 5:00									-
8/12/23 6:00									-
8/12/23 7:00									-
8/12/23 8:00									-
8/12/23 9:00									-
8/12/23 10:00									-
8/12/23 11:00									-
8/12/23 12:00									-
8/12/23 13:00									-
8/12/23 14:00									-
8/12/23 15:00									-
8/12/23 16:00									-
8/12/23 17:00									-
8/12/23 18:00									-
8/12/23 19:00									-
8/12/23 20:00									-
8/12/23 21:00									-
8/12/23 22:00									-
8/12/23 23:00									-
8/13/23 0:00									-
8/13/23 1:00									-
8/13/23 2:00									-
8/13/23 3:00									-
8/13/23 4:00									-
8/13/23 5:00									-
8/13/23 6:00									-
8/13/23 7:00									-
8/13/23 8:00									-
8/13/23 9:00									-

Date and Time	Avg. Air Temp (C)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Avg. Relative Humidity (%)	Precip. (mm)	1-h Leq (dBA)			
						NPOR 6a	NPOR 8	NPOR 14a/b	NPOR 17a
8/13/23 10:00									-
8/13/23 11:00									-
8/13/23 12:00									-
8/13/23 13:00									-
8/13/23 14:00									-
8/25/23 15:00	12.6	19.2	284	66	0.00		-		
8/25/23 16:00	13.0	16.4	282	65	0.02		-		
8/25/23 17:00	13.6	16.8	274	62	0.00		-		
8/25/23 18:00	11.6	16.5	284	84	0.39		-		
8/25/23 19:00	10.3	7.0	246	97	0.36		*42.4*		
8/25/23 20:00	10.2	7.8	203	99	0.68		*47.3*		
8/25/23 21:00	10.6	12.8	212	100	0.00		*42.2*		
8/25/23 22:00	10.7	14.0	211	100	0.00		38.8		
8/25/23 23:00	11.2	11.9	229	100	0.01		*39.4*		
8/26/23 0:00	12.6	17.8	304	100	0.01		-		
8/26/23 1:00	11.9	12.6	312	100	0.00		35.6		
8/26/23 2:00	10.4	13.2	286	100	0.00		42.9		
8/26/23 3:00	10.8	17.4	310	100	0.00		-		
8/26/23 4:00	9.5	12.7	288	100	0.00		34.4		
8/26/23 5:00	9.4	11.3	261	100	0.02		*35.0*		
8/26/23 6:00	9.7	11.6	251	100	0.01		*47.2*		
8/26/23 7:00	10.1	11.3	234	100	0.03		*51.4*		
8/26/23 8:00	10.7	12.0	204	100	0.05		*58.2*		
8/26/23 9:00	11.7	16.0	208	100	0.02		-		
8/26/23 10:00	12.5	19.2	217	100	0.08		-		
8/26/23 11:00	12.9	24.8	253	98	0.03		-		
8/26/23 12:00	13.1	24.1	278	99	0.27		-		
8/26/23 13:00	10.2	34.3	12	100	0.60		-		
8/26/23 14:00	8.8	38.8	22	100	0.29		-		
8/26/23 15:00	8.7	41.1	17	94	0.01		-		
8/26/23 16:00	8.6	40.6	17	87	0.00		-		
8/26/23 17:00	9.0	39.2	17	73	0.00		-		
8/26/23 18:00	8.9	38.2	16	64	0.00		-		
8/26/23 19:00	8.3	35.9	10	65	0.00		-		
8/26/23 20:00	7.5	35.0	4	68	0.00		-		
8/26/23 21:00	6.3	32.9	1	72	0.01		-		

Date and Time	Avg. Air Temp (C)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Avg. Relative Humidity (%)	Precip. (mm)	1-h Leq (dBA)			
						NPOR 6a	NPOR 8	NPOR 14a/b	NPOR 17a
8/26/23 22:00	5.4	30.5	358	76	0.02		-		
8/26/23 23:00	4.8	28.1	3	77	0.00		-		
8/27/23 0:00	4.8	26.3	348	79	0.03		-		
8/27/23 1:00	5.1	33.4	349	80	0.02		-		
8/27/23 2:00	4.2	28.2	355	91	0.00		-		
8/27/23 3:00	4.2	29.3	349	87	0.04		-		
8/27/23 4:00	4.0	32.0	347	81	0.00		-		
8/27/23 5:00	3.8	31.2	341	80	0.01		-		
8/27/23 6:00	3.9	31.2	343	79	0.00		-		
8/27/23 7:00	3.4	26.0	335	94	0.08		-		
8/27/23 8:00	3.5	30.3	336	92	0.04		-		
9/17/23 17:00	7.6	9.7	185	100	0.00	-			
9/17/23 18:00	7.4	10.5	195	100	0.00	37.7			
9/17/23 19:00	7.2	7.4	180	100	0.02	33.9			
9/17/23 20:00	7.1	6.3	182	100	0.02	33.2			
9/17/23 21:00	7.0	6.6	174	100	0.02	32.1			
9/17/23 22:00	6.9	6.8	175	100	0.01	32.5			
9/17/23 23:00	6.8	6.4	181	100	0.00	36.2			
9/18/23 0:00	6.6	6.7	177	100	0.00	38.4			
9/18/23 1:00	6.5	9.7	163	100	0.00	37.7			
9/18/23 2:00	6.4	6.1	163	100	0.00	37.6			
9/18/23 3:00	6.2	7.8	145	100	0.00	37.2			
9/18/23 4:00	6.1	10.5	157	100	0.00	36.7			
9/18/23 5:00	6.1	6.8	155	100	0.00	35.5			
9/18/23 6:00	6.0	4.5	152	100	0.00	37.8			
9/18/23 7:00	6.1	2.9	156	100	0.00	38.7			
9/18/23 8:00	6.1	4.3	164	100	0.00	34.5			
9/18/23 9:00	6.2	3.5	167	100	0.01	30.4			
9/18/23 10:00	6.6	3.8	155	100	0.02	22.3			
9/18/23 11:00	7.6	2.6	162	100	0.04	22.5			
9/18/23 12:00	8.5	2.1	160	100	0.03	25.4			
9/18/23 13:00	10.1	2.7	191	99	0.04	25.8			
9/18/23 14:00	11.7	2.9	177	96	0.03	34.0			
9/18/23 15:00	11.6	4.5	32	97	0.00	30.9			
9/18/23 16:00	11.8	8.0	4	95	0.00	29.4			
9/18/23 17:00	11.5	8.7	17	95	0.00	33.3			

Date and Time	Avg. Air Temp (C)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Avg. Relative Humidity (%)	Precip. (mm)	1-h Leq (dBA)			
						NPOR 6a	NPOR 8	NPOR 14a/b	NPOR 17a
9/18/23 18:00	10.8	9.1	13	98	0.00	31.0			
9/18/23 19:00	9.7	7.8	31	100	0.00	30.7			
9/18/23 20:00	8.7	6.8	70	100	0.00	33.0			
9/18/23 21:00	8.8	4.6	84	100	0.00	38.0			
9/18/23 22:00	8.1	5.4	105	100	0.00	37.3			
9/18/23 23:00	7.9	4.2	130	100	0.00	36.6			
9/19/23 0:00	8.0	6.1	145	100	0.00	36.3			
9/19/23 1:00	7.7	6.6	132	100	0.00	37.2			
9/19/23 2:00	7.3	7.7	137	100	0.00	35.8			
9/19/23 3:00	7.5	7.1	139	100	0.00	36.7			
9/19/23 4:00	7.1	9.6	136	100	0.00	39.7			
9/19/23 5:00	6.8	11.6	132	100	0.00	44.5			
9/19/23 6:00	7.0	13.9	131	100	0.01	48.0			
9/19/23 7:00	6.7	18.1	128	100	0.00	-			
9/19/23 8:00	6.5	20.9	130	100	0.00	-			
9/19/23 9:00	5.8	24.6	129	100	0.02	-			
9/19/23 10:00	5.6	20.6	134	100	0.00	-			
9/19/23 11:00	5.8	20.3	133	100	0.01	-			
9/19/23 12:00	6.2	21.8	135	100	0.00	-			
9/19/23 13:00	6.6	23.7	133	100	0.02	-			
9/19/23 14:00	6.9	24.3	132	100	0.00	-			
9/20/23 12:00	9.3	9.1	130	100	0.03			-	
9/20/23 13:00	10.3	8.9	129	98	0.02			25.8	
9/20/23 14:00	12.6	8.2	135	88	0.03			25.5	
9/20/23 15:00	13.2	9.5	144	84	0.00			23.1	
9/20/23 16:00	13.4	7.2	125	81	0.01			23.0	
9/20/23 17:00	13.4	6.5	173	82	0.00			22.7	
9/20/23 18:00	11.3	9.1	232	89	0.00			25.3	
9/20/23 19:00	10.3	5.1	225	93	0.00			39.0	
9/20/23 20:00	9.0	4.7	198	98	0.00			21.2	
9/20/23 21:00	8.5	4.9	209	100	0.00			22.5	
9/20/23 22:00	7.3	1.4	334	100	0.00			21.7	
9/20/23 23:00	7.0	1.8	137	100	0.00			25.8	
9/21/23 0:00	7.2	4.2	252	100	0.02			26.5	
9/21/23 1:00	7.4	6.0	309	100	0.00			21.7	
9/21/23 2:00	7.3	9.4	345	100	0.00			21.2	

Date and Time	Avg. Air Temp (C)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Avg. Relative Humidity (%)	Precip. (mm)	1-h Leq (dBA)			
						NPOR 6a	NPOR 8	NPOR 14a/b	NPOR 17a
9/21/23 3:00	6.7	7.7	23	100	0.00			34.3	
9/21/23 4:00	6.1	14.0	10	100	0.00			39.0	
9/21/23 5:00	5.7	15.8	30	100	0.00			-	
9/21/23 6:00	5.9	14.8	25	100	0.00			41.9	
9/21/23 7:00	5.9	15.6	5	100	0.00			-	
9/21/23 8:00	6.3	18.2	356	100	0.01			-	
9/21/23 9:00	(weather station down due to equipment failure)							-	
9/21/23 10:00								-	
9/21/23 11:00								-	
9/21/23 12:00								-	
9/21/23 13:00								-	
9/21/23 14:00								-	
9/21/23 15:00								-	
9/21/23 16:00								-	
9/21/23 17:00								-	
9/21/23 18:00								-	
9/21/23 19:00								-	
9/21/23 20:00								-	
9/21/23 21:00								-	
9/21/23 22:00								-	
9/21/23 23:00								-	
9/22/23 0:00								-	
9/22/23 1:00								-	
9/22/23 2:00								-	
9/22/23 3:00								-	
9/22/23 4:00								-	
9/22/23 5:00								-	
9/22/23 6:00								-	
9/22/23 7:00								-	
9/22/23 8:00								-	
9/22/23 9:00								-	
9/22/23 10:00								-	
9/22/23 11:00								-	
9/22/23 12:00								-	
9/22/23 13:00								-	
9/22/23 14:00								-	
9/22/23 15:00	14.3	17.5	276	71	0.00			-	

Date and Time	Avg. Air Temp (C)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Avg. Relative Humidity (%)	Precip. (mm)	1-h Leq (dBA)			
						NPOR 6a	NPOR 8	NPOR 14a/b	NPOR 17a
9/22/23 16:00	14.1	19.4	304	71	0.00			-	
9/22/23 17:00	13.7	14.5	302	75	0.00			27.9	
9/22/23 18:00	12.6	14.6	311	79	0.00			33.9	
9/22/23 19:00	11.2	13.0	306	85	0.00			35.3	
9/22/23 20:00	10.1	16.7	322	88	0.00			-	
9/22/23 21:00	8.8	19.0	336	93	0.00			-	
9/22/23 22:00	7.4	15.9	339	99	0.00			-	
9/22/23 23:00	6.8	14.9	333	100	0.00			38.2	
9/23/23 0:00	6.7	15.7	321	100	0.00			-	
9/23/23 1:00	6.6	15.3	324	100	0.00			-	
9/23/23 2:00	6.9	11.4	328	100	0.00			30.3	
9/23/23 3:00	5.4	7.2	313	100	0.00			28.4	
9/23/23 4:00	5.3	8.5	321	100	0.01			25.2	
9/23/23 5:00	4.9	6.7	299	100	0.00			30.3	
9/23/23 6:00	6.2	7.3	348	100	0.02			24.3	
9/23/23 7:00	6.6	7.0	349	100	0.00			19.6	
9/23/23 8:00	6.5	3.6	301	100	0.00			20.6	
9/23/23 9:00	6.6	2.8	308	100	0.01			23.3	
9/23/23 10:00	6.9	2.7	197	98	0.01			20.4	
9/23/23 11:00	7.4	4.1	191	98	0.02			21.0	
9/23/23 12:00	8.2	5.8	193	96	0.00			26.6	
9/23/23 13:00	9.9	8.7	195	87	0.01			30.1	
9/23/23 14:00	10.4	10.4	192	86	0.00			32.0	
9/23/23 15:00	10.4	11.1	184	86	0.00			32.9	
9/23/23 16:00	10.4	11.5	181	86	0.00			32.9	