



PREPARED FOR



# Mary River Project

2025 Annual Air Quality, Dustfall, and  
Meteorology Report

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# Mary River Project

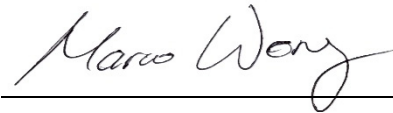
## 2025 Annual Air Quality, Dustfall, and Meteorology Report

April 2026



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3.2	NITROGEN DIOXIDE AND SULFUR DIOXIDE RESULTS AND DISCUSSION	43
3.2.1	Mine Site Complex Ambient Air Quality Monitoring Station	43
3.2.2	Port Site Complex Ambient Air Quality Monitoring Station	45
3.2.3	Aeroqual AQS1 Ambient Air Quality Monitoring Stations	48
3.3	PARTICULATE MATTER RESULTS AND DISCUSSION	50
3.3.1	Mine Site Complex Ambient Air Quality Monitoring Station	51
3.3.2	Port Site Complex Ambient Air Quality Monitoring Station	57
3.3.3	Dustfall	62
3.4	SUMMARY OF COMPARISON OF 2025 MONITORING WITH FEIS PREDICTIONS	62
4.	SUMMARY AND RECOMMENDATIONS	64
5.	REFERENCES	67

APPENDIX A	SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA AT MARY RIVER, MILNE PORT, AND STEENSBY PORT METEOROLOGICAL STATIONS
APPENDIX B	SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA AT MINE SITE COMPLEX AND PORT SITE COMPLEX AMBIENT AIR QUALITY STATIONS

## LIST OF TABLES

TABLE 1.1-1	AMBIENT AIR QUALITY OBJECTIVES AND STANDARDS FOR NUNAVUT AND CANADA	11
TABLE 2-1	BAFFINLAND AND REGIONAL METEOROLOGICAL STATION LOCATIONS	18
TABLE 2.1-1	PARAMETERS MEASURED AT THE METEOROLOGICAL STATIONS, 2025	18
TABLE 2.2-1	BAFFINLAND AND POND INLET AIRPORT METEOROLOGICAL STATIONS, DATA AVAILABILITY SUMMARY, 2025	21
TABLE 2.2-2	BAFFINLAND AND POND INLET AIRPORT METEOROLOGICAL STATIONS, MONTHLY TEMPERATURE SUMMARY, 2025	22
TABLE 2.2-3	BAFFINLAND AND POND INLET AIRPORT METEOROLOGICAL STATIONS, MONTHLY RAINFALL SUMMARY, 2025	26
TABLE 2.2-4	BAFFINLAND AND POND INLET AIRPORT METEOROLOGICAL STATIONS, MONTHLY RELATIVE HUMIDITY SUMMARY, 2025	28
TABLE 2.2-5	BAFFINLAND AND POND INLET AIRPORT METEOROLOGICAL STATIONS, MONTHLY WIND SPEED SUMMARY, 2025	29
TABLE 2.2-6	BAFFINLAND METEOROLOGICAL STATIONS, MONTHLY SOLAR RADIATION SUMMARY, 2025	35
TABLE 3-1	BAFFINLAND AMBIENT AIR QUALITY MONITORING STATION LOCATIONS	37
TABLE 3.2-1	MINE SITE COMPLEX AMBIENT AIR QUALITY STATION, MONTHLY NO <sub>2</sub> CONCENTRATIONS SUMMARY, 2025	45
TABLE 3.2-2	PORT SITE COMPLEX AMBIENT AIR QUALITY STATION, MONTHLY NO <sub>2</sub> CONCENTRATIONS SUMMARY, 2025	47
TABLE 3.2-3	PORT SITE COMPLEX AMBIENT AIR QUALITY STATION, MONTHLY SO <sub>2</sub> CONCENTRATIONS SUMMARY, 2025	50
TABLE 3.3-1	MINE SITE COMPLEX AMBIENT AIR QUALITY STATION, MONTHLY TSP CONCENTRATIONS SUMMARY, 2025	52
TABLE 3.3-2	MINE SITE COMPLEX AMBIENT AIR QUALITY STATION, MONTHLY PM <sub>2.5</sub> CONCENTRATIONS SUMMARY, 2025	53

TABLE 3.3-3	PORT SITE COMPLEX AMBIENT AIR QUALITY STATION, MONTHLY TSP CONCENTRATIONS SUMMARY, 2025	59
TABLE 3.3-4	PORT SITE COMPLEX AMBIENT AIR QUALITY STATION, MONTHLY PM <sub>2.5</sub> CONCENTRATIONS SUMMARY, 2025	60
TABLE 4-1	SUMMARY OF BAFFINLAND AMBIENT AIR QUALITY, 2025	65

## LIST OF FIGURES

FIGURE 1.3-1	MINE SITE METEOROLOGICAL AND AMBIENT AIR QUALITY STATIONS	13
FIGURE 1.3-2	MILNE PORT METEOROLOGICAL AND AMBIENT AIR QUALITY STATIONS	14
FIGURE 1.3-3	STEENSBY PORT METEOROLOGICAL STATION	15
FIGURE 2.2-1	BAFFINLAND AND POND INLET AIRPORT METEOROLOGICAL STATIONS, DAILY TEMPERATURE, 2025	23
FIGURE 2.2-2	BAFFINLAND AND POND INLET AIRPORT METEOROLOGICAL STATIONS, MONTHLY TOTAL RAINFALL, 2025	25
FIGURE 2.2-3	BAFFINLAND AND POND INLET AIRPORT METEOROLOGICAL STATIONS, DAILY MEAN RELATIVE HUMIDITY, 2025	27
FIGURE 2.2-4	MARY RIVER METEOROLOGICAL STATION, WIND ROSE, 2025	30
FIGURE 2.2-5	MILNE PORT METEOROLOGICAL STATION, WIND ROSE, 2025	31
FIGURE 2.2-6	STEENSBY PORT METEOROLOGICAL STATION, WIND ROSE, 2025	32
FIGURE 2.2-7	POND INLET AIRPORT METEOROLOGICAL STATION, WIND ROSE, 2025	33
FIGURE 2.2-8	BAFFINLAND METEOROLOGICAL STATIONS, DAILY MEAN SOLAR RADIATION, 2025	36
FIGURE 3.2-1	MINE SITE COMPLEX AMBIENT AIR QUALITY STATION, DAILY NO <sub>2</sub> CONCENTRATIONS, 2025	44
FIGURE 3.2-2	PORT SITE COMPLEX AMBIENT AIR QUALITY STATION, DAILY NO <sub>2</sub> CONCENTRATIONS, 2025	46
FIGURE 3.2-3	PORT SITE COMPLEX AMBIENT AIR QUALITY STATION, DAILY SO <sub>2</sub> CONCENTRATIONS, 2025	49
FIGURE 3.3-1	MINE SITE COMPLEX AMBIENT AIR QUALITY STATION, DAILY TSP CONCENTRATIONS, 2025	54
FIGURE 3.3-2	MINE SITE COMPLEX AMBIENT AIR QUALITY STATION, DAILY PM <sub>2.5</sub> CONCENTRATIONS, 2025	55
FIGURE 3.3-3	LOCATION OF THE MINE SITE COMPLEX AMBIENT AIR QUALITY STATION AND DUST SOURCES	56
FIGURE 3.3-4	PORT SITE COMPLEX AMBIENT AIR QUALITY STATION, DAILY TSP CONCENTRATIONS, 2025	58
FIGURE 3.3-5	PORT SITE COMPLEX AMBIENT AIR QUALITY STATION, DAILY PM <sub>2.5</sub> CONCENTRATIONS, 2025	61

## LIST OF PHOTOS

PHOTO 2-1	MARY RIVER METEOROLOGICAL STATION.	16
PHOTO 2-2	MILNE PORT METEOROLOGICAL STATION.	17
PHOTO 2-3	STEENSBY PORT METEOROLOGICAL STATION.	17
PHOTO 3.1-1	RACK-MOUNTED TELEDYNE T100 (SO <sub>2</sub> ) AND T200 (NO <sub>x</sub> -NO <sub>2</sub> ) CONTINUOUS GAS ANALYZERS AT THE MINE SITE COMPLEX AMBIENT AIR QUALITY STATION.	39
PHOTO 3.1-2	RACK-MOUNTED TELEDYNE T100 (SO <sub>2</sub> ) AND T200 (NO <sub>x</sub> -NO <sub>2</sub> ) CONTINUOUS GAS ANALYZERS AT THE PORT SITE COMPLEX AMBIENT AIR QUALITY STATION.	39
PHOTO 3.1-3	AEROQUAL AQS1 AT THE MINE SITE PROJECT DEVELOPMENT AREA BOUNDARY.	40
PHOTO 3.1-4	PM <sub>2.5</sub> BAM 1020 ANALYZER AT THE MINE SITE COMPLEX AMBIENT AIR QUALITY STATION.	41
PHOTO 3.1-5	TSP BAM 1020 ANALYZER AT THE PORT SITE COMPLEX AMBIENT AIR QUALITY STATION.	41

## ACRONYMS AND ABBREVIATIONS

ADVM2	Advanced Monitoring Methods LLC
AQNAMP	Air Quality and Noise Abatement Management Plan
Baffinland	Baffinland Iron Mines Corporation
CAAQS	Canadian Ambient Air Quality Standards
CCME	Canadian Council of Ministers of the Environment
CSA	Canadian Standards Association
ECCC	Environment and Climate Change Canada
ERM	Environmental Resources Management
FEIS	Final Environmental Impact Statement
GN	Government of Nunavut
MSC	Mine Site Complex
NAAQS	Nunavut Ambient Air Quality Standards
NAPS	National Air Pollution Surveillance
NIRB	Nunavut Impact Review Board
NO <sub>2</sub>	Nitrogen Dioxide
NO <sub>x</sub>	Nitrogen Oxides (includes nitrogen oxide and nitrogen dioxide)
PDA	Project Development Area
PM <sub>2.5</sub>	Particulate Matter Less Than 2.5 µm in Diameter
PMT	Photo Multiplier Tube
PSC	Port Site Complex
QA/QC	Quality Assurance/Quality Control
SOP	Standard Operating Procedure
SO <sub>2</sub>	Sulphur Dioxide
SWE	Snow-Water-Equivalent
TEAMR	Terrestrial Environment Annual Monitoring Report
TEMMP	Terrestrial Environment Mitigation and Monitoring Plan
TSP	Total Suspended Particulates
US EPA	United States Environmental Protection Agency
UV	Ultraviolet







## EXECUTIVE SUMMARY (PLAIN LANGUAGE)

This report explains what Baffinland Iron Mines measured in 2025 to understand the weather and air quality around the Mary River Mine in Nunavut. The goal of this work is to help the company track environmental conditions, follow government standards, and protect workers and the environment.

### WHAT WAS MONITORED

The Project operated three meteorological stations at Mary River, Milne Port and Steensby Port that measured temperature, humidity, rainfall, wind, and sunlight, which helped explain how weather affects air quality. In order to put results into context, the monitoring data at these stations were compared against 2025 and historic data spanning 30 years from a nearby meteorological station operated by Environment and Climate Change Canada.

Air pollutants were measured at the Mine Site Complex (MSC) and Milne Port Site Complex (PSC). Pollutants measured include the following:

- Nitrogen dioxide (NO<sub>2</sub>), a gas released from burning fossil fuels;
- Sulphur dioxide (SO<sub>2</sub>), a gas released mainly from burning fossil fuels;
- Total suspended particulates (TSP), dust and small particles that are mainly released from activities such as road dust and construction into the air that do not immediately settle; and
- Fine particles (PM<sub>2.5</sub>), the smaller size fraction of dust released from mining activities and burning fossil fuels.

Dustfall was also measured at many locations, including the Mine Site, Milne Port, and Tote Road, and the dustfall results for 2025 are presented in the Terrestrial Environment Annual Monitoring Report (TEAMR).

### ANALYSIS METHODOLOGY

The 2025 monitoring program used standard methods to collect weather and air quality data in a way that is both reliable and suitable for government reporting. Weather information was gathered from three automated stations that measured meteorological parameters every hour. The sensors were checked regularly, replaced when needed, and the data were screened to remove errors. Air quality was measured at the MSC and PSC using instruments that continuously recorded concentrations of NO<sub>2</sub>, SO<sub>2</sub>, TSP, and PM<sub>2.5</sub>. These instruments were calibrated often, checked daily, and data reviewed to make sure they were working properly. In late 2025, new Aeroqual monitors were added closer to the outer boundaries of the Project area to better measure true ambient air quality in areas where the public could access. All collected data were reviewed, averaged by hour, day, and month, and compared to both Nunavut Ambient Air Quality Standards and Canadian Ambient Air Quality Standards to identify any high readings or trends.

## LIMITATIONS

In late 2024 and early 2025, the air quality monitoring instruments began having issues. The units and parts and software were reaching end of life, and an investigation into new technology was undertaken.

Continuous ambient air quality monitoring would normally be done at the Project boundary, where public access is restricted; however, because no power sources were available along the boundary when the stations were installed in 2014, the stations are located within the boundary, close to industrial activities. Ambient air is defined as the outdoor air, beyond the Project boundary. Ambient air quality standards are established to protect the outdoor air in the environment. Up until 2025, Baffinland was monitoring ambient air within the boundary, and applying results to the Nunavut Ambient Air Quality Standards.

In November 2025, Baffinland began the process of replacing failing instruments with Aeroqual air quality monitors located closer to the boundary in areas more representative of ambient air conditions and suitable for regulatory compliance. These new units recorded much lower particulate matter concentrations than the existing monitors at MSC and PSC. Early data supports the conclusion that the previous monitors were detecting locally generated dust rather than ambient air quality conditions. The new equipment will help provide a clearer picture of true ambient air quality in future years. Passive monitoring of NO<sub>2</sub> and SO<sub>2</sub> was also initiated in September 2025 in multiple locations around the site to better understand the distribution of these gases around the site.

## MONITORING RESULTS

Weather patterns in 2025 showed that the Project area experienced conditions that were warmer than historic averages during most months. Rainfall amounts at Mary River and Milne Port were higher than at the nearby Pond Inlet Airport, and wind speeds were generally stronger than long-term averages. Winds mainly came from the north-northwest and southwest, depending on the season, and these patterns may have affected how dust and emissions moved around the site.

Air quality results for NO<sub>2</sub> showed some elevated concentrations within the Mine Site. At MSC, NO<sub>2</sub> concentrations were sometimes higher than government standards, especially during the winter months when cold temperatures and the lack of sunlight trapped pollution close to the ground. The three-year average for NO<sub>2</sub> exceeded the Nunavut and Canadian standards, and the annual average concentration at MSC and PSC in 2025 was also above the standards. This suggests that cold-season conditions and specific on-site activities have a strong influence on local air quality when it comes to NO<sub>2</sub>.

For SO<sub>2</sub>, the Milne Port Site monitoring data showed generally minor effects on air quality, with concentrations staying well below government limits. At the Mine Site, however, the SO<sub>2</sub> analyzer did not operate during 2025, so no data were available. Despite this gap, the available PSC data suggests that SO<sub>2</sub> was not a major concern in 2025 in the Project area.

Particulate matter concentration varied strongly between MSC and PSC stations. At the MSC, both TSP and PM<sub>2.5</sub> concentrations were often high, with many measurements above the 24-hour standard. The monitor location was a major factor, because the MSC air monitoring equipment is located very close to major dust-producing sources, such as the crusher pad, the main haul road, and building exhaust systems. As a result, the data does not fully reflect the broader ambient air quality outside the operating zone. In contrast, at the PSC, TSP and PM<sub>2.5</sub> were lower, and there was only one exceedance of the TSP standard and no exceedance of PM<sub>2.5</sub> in all of 2025.

## SUMMARY

Overall, the 2025 monitoring program showed that weather conditions were warmer and windier than usual. For air quality, NO<sub>2</sub> and particulate matter were elevated at some locations. These results were strongly influenced by monitor placement inside active industrial zones. The addition of more monitors that are more appropriately located at the Project boundary, as well as ongoing improvements to the monitoring program, will support continued environmental protection and regulatory compliance at the Mary River Project.

## EXECUTIVE SUMMARY (TECHNICAL)

This 2025 Annual Air Quality, Dustfall, and Meteorology Report summarizes the monitoring programs completed at the Mary River Project (the Project) operated by Baffinland Iron Mines Corporation (Baffinland). The program fulfils requirements of Project Certificate No. 005 issued by the Nunavut Impact Review Board (NIRB) and commitments in the Air Quality and Noise Abatement Management Plan (AQNAMP). The monitoring network includes three meteorological stations, two continuous ambient air quality monitoring stations located within the Project Development Area (PDA) at the Mine Site Complex (MSC) and Port Site Complex (PSC), passive dustfall monitoring sites, and two newly commissioned Aeroqual AQS1 stations positioned near the PDA boundary. Together, these stations provide insight into environmental conditions, support regulatory compliance, and inform adaptive management of air quality across the Project.

## METEOROLOGY

Meteorological conditions in 2025 were generally warmer and windier than the 1991–2020 Climate Normals published by Environment and Climate Change Canada (ECCC). Temperatures at both the Mary River and Milne Port meteorological stations were higher than long-term monthly averages for most of the year, and rainfall totals exceeded regional Climate Normals, particularly during summer months. Winds were consistently stronger than the Climate Normals, with dominant wind directions shifting seasonally between north-northwest and southwest. These meteorological patterns influenced dispersion of emissions and the distribution of dust and particulate matter throughout the Project area.

Data completeness remained high at Mary River and Milne Port for most meteorological parameters. At Steensby Port, monitoring was discontinued after March due to equipment failure, and a replacement is planned for 2026.

## AMBIENT AIR QUALITY

Continuous monitoring for nitrogen dioxide (NO<sub>2</sub>) and sulphur dioxide (SO<sub>2</sub>) was conducted at the MSC and PSC using Teledyne instruments installed in 2014. In addition, preliminary NO<sub>2</sub> and SO<sub>2</sub> measurements were captured by Aeroqual AQS1 units placed at the PDA boundary to improve characterization of true ambient conditions.

NO<sub>2</sub> concentrations at the MSC followed a pattern consistent with previous years, with elevated concentrations during winter and shoulder seasons, and lower during summer. These seasonal increases reflect winter atmospheric conditions and contributions from on-site combustion sources. The 1-hour average NO<sub>2</sub> metric exceeded the Nunavut Ambient Air Quality Standards (NAAQS) and Canadian Ambient Air Quality Standards (CAAQS). The annual mean also exceeded the NAAQS and CAAQS. These results are strongly influenced by the MSC station location within the PDA, where nearby emission sources including heating plants, building exhausts, haul roads, and mining infrastructure can affect measurements. The SO<sub>2</sub> analyzer at the MSC was non-operational throughout 2025 due to a failure originally documented in late 2024, and therefore no MSC SO<sub>2</sub> data are available.

At the PSC, NO<sub>2</sub> concentrations also exhibited winter-driven peaks, and the 1-hour average NAAQS and CAAQS was exceeded; however, annual mean NO<sub>2</sub> concentrations remained below both NAAQS and CAAQS. SO<sub>2</sub> concentrations at PSC remained low and below NAAQS and CAAQS; however, the analyzer failed in mid-July and remained offline for the rest of the year.

Two Aeroqual AQS1 units were installed in November 2025 at the Mine Site and Milne Port PDA boundaries. These stations recorded substantially lower NO<sub>2</sub> and SO<sub>2</sub> concentrations than the MSC and PSC, suggesting that the existing in-PDA stations are significantly affected by localized emissions and do not fully represent ambient air quality beyond the PDA. Continued deployment of boundary-sited monitors will support improved compliance monitoring in future reporting years.

At the MSC, total suspended particulates (TSP) and fine particulate matter (PM<sub>2.5</sub>) measurements frequently reflected the influence of nearby emission sources and operational activities. Elevated concentrations occurred year-round, with the highest concentrations measured during spring and early summer. Numerous exceedances of the 24-hour average TSP standard were observed, and the PM<sub>2.5</sub> annual average exceeded the NAAQS and CAAQS. These results are attributable to station siting within an active industrial zone rather than at the PDA boundary, along with emissions from haul road traffic, the crusher pad, building exhausts, and winter conditions that reduce dust suppression effectiveness.

The Aeroqual AQS1 unit near the Mine Site PDA boundary recorded significantly lower particulate concentrations during its first two months of operation, further reinforcing the influence of monitor siting on MSC results.

Particulate matter concentrations recorded in 2025 at the PSC were lower than at the MSC. Only one exceedance of the 24-hour TSP standard was recorded, and PM<sub>2.5</sub> concentrations remained below both the 24-hour and annual average NAAQS and CAAQS throughout 2025. Seasonal patterns were evident, with slightly higher PM<sub>2.5</sub> concentrations in late winter and early spring and lower concentrations during summer and fall. Aeroqual AQS1 measurements at Milne Port similarly showed comparatively low particulate matter concentrations.

## COMPARISON WITH FEIS PREDICTIONS

Measured concentrations in 2025 were compared to predictions from the 2012 Final Environmental Impact Statement (FEIS) and the 2013 FEIS Addendum. For NO<sub>2</sub>, measured maximum 1-hour concentrations at the MSC were lower than modelled values, while PSC results were higher than model predictions for the accommodations building location. For particulate matter, the highest TSP concentrations measured at the MSC were similar in magnitude to the FEIS Addendum predictions for the Mine Site accommodations building. For PM<sub>2.5</sub>, measured maximums at the MSC were higher than the FEIS predictions, likely due to contributions from building exhaust and other sources not accounted for in the air dispersion modelling.

## SUMMARY

The 2025 monitoring results indicated that:

- Meteorological conditions were warmer, wetter, and windier than long-term norms.
- NO<sub>2</sub> exceedances at the MSC and PSC occurred primarily during winter and shoulder seasons, reflecting operational and atmospheric influences.
- SO<sub>2</sub> concentrations remained below applicable standards, with extended data gaps caused by equipment failures.
- Particulate matter concentrations at the MSC were strongly influenced by the station's proximity to emission sources. Concentrations measured at PSC were lower while still strongly influenced by sources within the PDA.
- Newly installed Aeroqual AQS1 units are providing more accurate boundary-representative ambient air data and will form a key component of the program moving forward.

The 2025 program continues to demonstrate Baffinland's commitment to monitoring air quality conditions and supporting adaptive environmental management. Improvements to equipment reliability, increased use of boundary-sited monitors, and continued collaboration with regulators will strengthen future reporting and ensure the monitoring program remains aligned with Project Certificate requirements and best practices in the North.

## 1. INTRODUCTION

This report presents the methods and results of the 2025 air quality, dustfall, and meteorology monitoring program at the Mary River Project (the Project) of the Baffinland Iron Mines Corporation (Baffinland), as outlined in BIM-5200-PLA-0005 Air Quality and Noise Abatement Management Plan (the AQNAMP). The monitoring program includes:

- Automated meteorological stations at the Mine Site, Milne Port, and Steensby Port;
- Continuous ambient air quality monitoring for nitrogen dioxide (NO<sub>2</sub>) and sulphur dioxide (SO<sub>2</sub>) at the Mine Site Complex (MSC) and Port Site Complex (PSC) accommodation buildings located at the Mine Site and Milne Port, respectively;
- Continuous ambient air quality monitoring for total suspended particulates (TSP) and particulate matter less than 2.5 µm in diameter (PM<sub>2.5</sub>) at the MSC and PSC accommodation buildings located at the Mine Site and Milne Port, respectively;
- Passive dustfall monitoring at the Mine Site, Milne Port, and along the Tote Road (reported under separate cover); and
- Incinerator emissions testing on commissioning and every year thereafter (for incinerators reported under separate cover).

The monitoring program is designed to provide comprehensive data on meteorological and ambient air quality conditions, enabling Baffinland to manage and mitigate potential environmental impacts effectively.

### 1.1 BACKGROUND AND APPLICABLE STANDARDS

The Project is located on Baffin Island in the Nunavut territory of Canada, with its primary operations being the extraction and transportation of iron ore. The Project operates under Project Certificate No. 005 issued by the Nunavut Impact Review Board (NIRB), which outlines specific conditions and requirements for environmental monitoring and management.

Territorial and federal ambient air quality objectives and standards for a range of contaminants are in place to protect human health and the environment. The regulatory requirements for the Project include continuous monitoring of ambient air quality for NO<sub>2</sub>, SO<sub>2</sub>, TSP, and PM<sub>2.5</sub>. The Project must comply with the Nunavut Ambient Air Quality Standards (NAAQS) and other relevant territorial and federal regulations.

The Government of Nunavut (GN) has established the NAAQS for several air contaminants, including NO<sub>2</sub>, SO<sub>2</sub>, TSP, and PM<sub>2.5</sub> (GN 2011). The GN adopted the Canadian Ambient Air Quality Standards (CAAQS) for use in Nunavut in 2023 (GN 2023). The applicable NAAQS are presented in Table 1.1-1. CAAQS are also included in Table 1.1-1 for reference.

**TABLE 1.1-1 AMBIENT AIR QUALITY OBJECTIVES AND STANDARDS FOR NUNAVUT AND CANADA**

Contaminant	Averaging Period	Ambient Air Quality Objectives and Standards ( $\mu\text{g}/\text{m}^3$ )	
		NAAQS	CAAQS <sup>a</sup>
NO <sub>2</sub>	1-hour	79 <sup>b, c</sup>	79 <sup>c</sup>
	Annual	23 <sup>b, d</sup>	23 <sup>d</sup>
SO <sub>2</sub>	1-hour	170 <sup>b, e</sup>	170 <sup>e</sup>
	Annual	10 <sup>b, d</sup>	10 <sup>d</sup>
TSP	24-hour	120 <sup>f, g</sup>	-
	Annual	60 <sup>f, h</sup>	-
PM <sub>2.5</sub>	24-hour	27 <sup>b, i</sup>	27 <sup>h</sup> (2020) and 23 <sup>h</sup> (2030)
	Annual	8.0 <sup>b, j</sup>	8.8 <sup>h</sup> (2020) and 8.0 <sup>j</sup> (2030)

Notes:

Dash (-) indicates standards/objectives not available.

<sup>a</sup> CCME 2025.

<sup>b</sup> GN 2023.

<sup>c</sup> The 3-year average of the annual 98<sup>th</sup> percentile of the daily maximum 1-hour average concentrations.

<sup>d</sup> The average over a single calendar year of all 1-hour average concentrations.

<sup>e</sup> The 3-year average of the annual 99<sup>th</sup> percentile of the daily maximum 1-hour average concentrations.

<sup>f</sup> GN 2011.

<sup>g</sup> The 24-hour average is based on the arithmetic mean

<sup>h</sup> The annual average is based on the geometric mean of 24-hour average concentrations.

<sup>i</sup> The 3-year average of the annual 98<sup>th</sup> percentile of the daily 24-hour average concentrations.

<sup>j</sup> The 3-year average of the annual average of the daily 24-hour average concentrations.

Ambient air quality standards and objectives are non-statutory limits (i.e., not legally binding) used to assess ambient air quality and guide air management decisions. Ambient air is defined as the outdoor air, in this case outside (beyond) the Project Development Area (PDA) boundary. The PDA boundary is often referenced in industry as a property fenceline where public access is restricted. The PDA boundary in this case is not a physical fenceline; rather it is industry terminology for the boundaries at the edge of the Project areas where public access is restricted.

The air quality inside of the PDA boundary is typically considered from an occupational workplace perspective and is assessed using thresholds or standards that are different from the ambient air quality standards. In Nunavut, workplace air quality is protected by the Schedule O Contamination Limits provided in the Nunavut Occupational Health and Safety Regulations (NU Reg 003-2016). For this report, the monitoring data at the MSC and PSC are being compared to the NAAQS, even though those two monitoring stations are inside the PDA boundary.

## 1.2 OBJECTIVES

The monitoring program is a key component of the overall review of the environmental performance of the Project. The objective of the program is to detect the impacts on ambient air quality that may be associated with Project activities throughout the life cycle of the Project. The information generated through this program supports adaptive management and mitigation measures and contributes to long term performance evaluation and reporting.

## 1.3 MONITORING PROGRAM

Baffinland has committed to advancing an ambient air quality monitoring framework for the current operations in consultation with both the GN and Environment and Climate Change Canada (ECCC). As part of this commitment, additional continuous particulate matter monitoring equipment for measuring TSP and PM<sub>2.5</sub> was installed at the MSC and PSC in December 2021. These instruments were calibrated and verified following installation, and official data collection began in April 2022 after several months of calibration and data review. The new particulate matter monitors were added to the existing continuous NO<sub>2</sub> and SO<sub>2</sub> monitors already in place at both the MSC and PSC (installed in 2014), expanding the overall capability of the ambient air quality monitoring program. The current meteorology stations at the Mine Site, Milne Port, and Steensby Port have been in operation since 2013.

Passive sampling of dustfall is conducted at multiple sampling sites located at the Mine Site, Milne Port, and along the Tote Road. The dustfall monitoring program forms part of the Terrestrial Environment Mitigation and Monitoring Plan (TEMMP) due to its linkage with the metal monitoring in soil and vegetation, as well as monitoring of vegetation abundance and diversity programs, also described in the TEMMP. The methodology used for dustfall monitoring and associated results are summarized in the 2025 Terrestrial Environment Annual Monitoring Report (TEAMR, Environmental Dynamics Inc. 2026) that will be submitted with the 2025 Annual Report to the NIRB.

Incinerator emissions testing for incinerators at the Mine Site and Milne Port was completed in 2025 and reported separately (WSP Canada Inc. 2025) and will be submitted with the 2025 Annual Report to the NIRB.

In addition to established NO<sub>2</sub>, SO<sub>2</sub>, TSP, and PM<sub>2.5</sub> monitoring, in November 2025, Baffinland added an Aeroqual AQS1 unit capable of monitoring NO<sub>2</sub>, SO<sub>2</sub>, TSP, and PM<sub>2.5</sub> at the PDA boundary at each of the Mine Site and Milne Port. Additionally, passive NO<sub>2</sub> and SO<sub>2</sub> monitoring pucks were installed at a sub-set of passive dustfall monitoring stations, as well as other locations, at and within the PDA boundaries of the Mine Site and Milne Port starting in September 2025. These monitoring systems are currently being piloted and comprehensive reporting on the results will occur in the following year, with the exception of limited results presented within.

The locations of the meteorological and ambient air quality monitoring stations were established in areas where Project effects have the potential to occur (Figures 1.3-1, 1.3-2 and 1.3-3). The details of the monitoring stations are described further in each of the subsequent Sections.

FIGURE 1.3-1 MINE SITE AIR QUALITY AND METEOROLOGY STATIONS

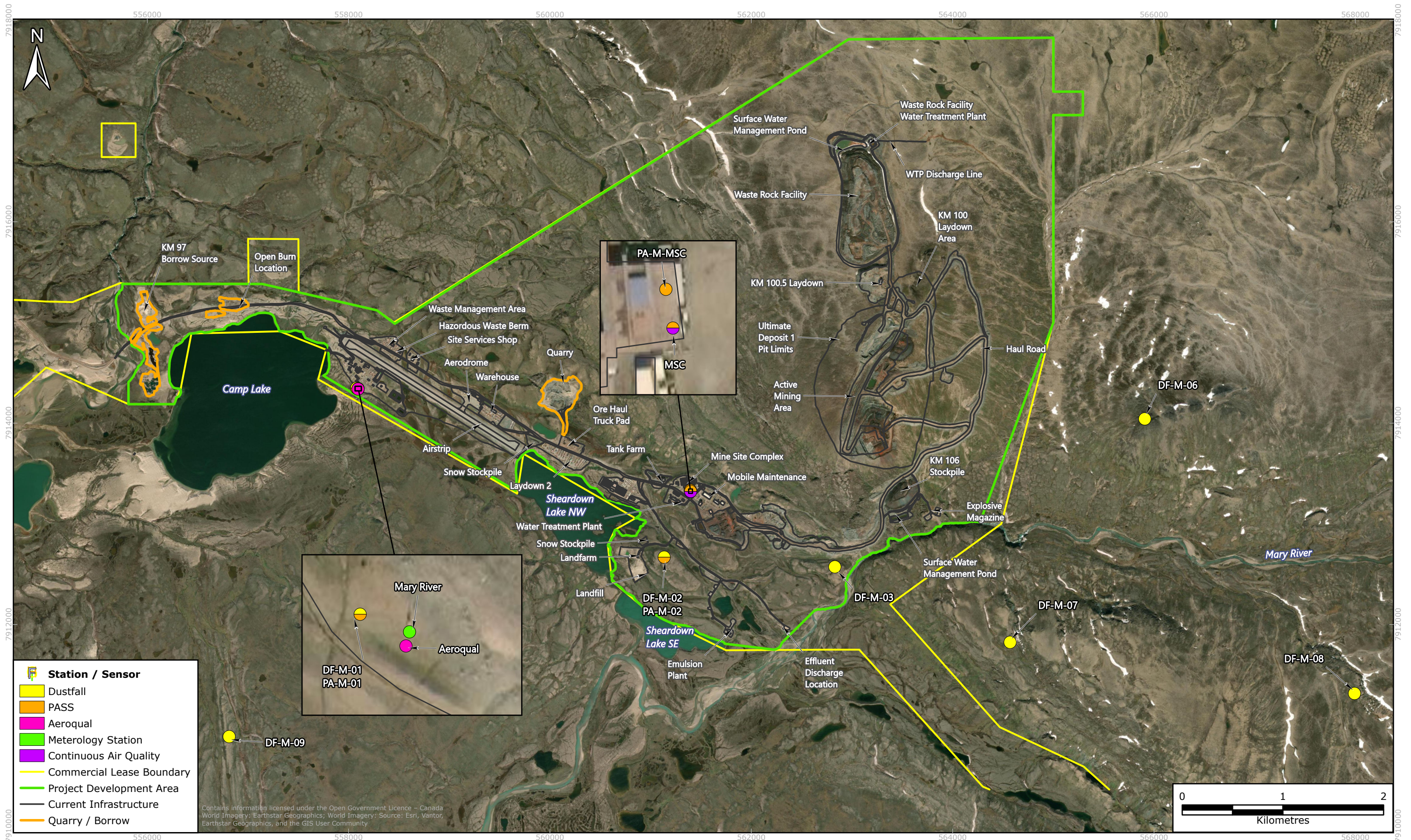


FIGURE 1.3-2 MILNE PORT AIR QUALITY AND METEOROLOGY STATIONS

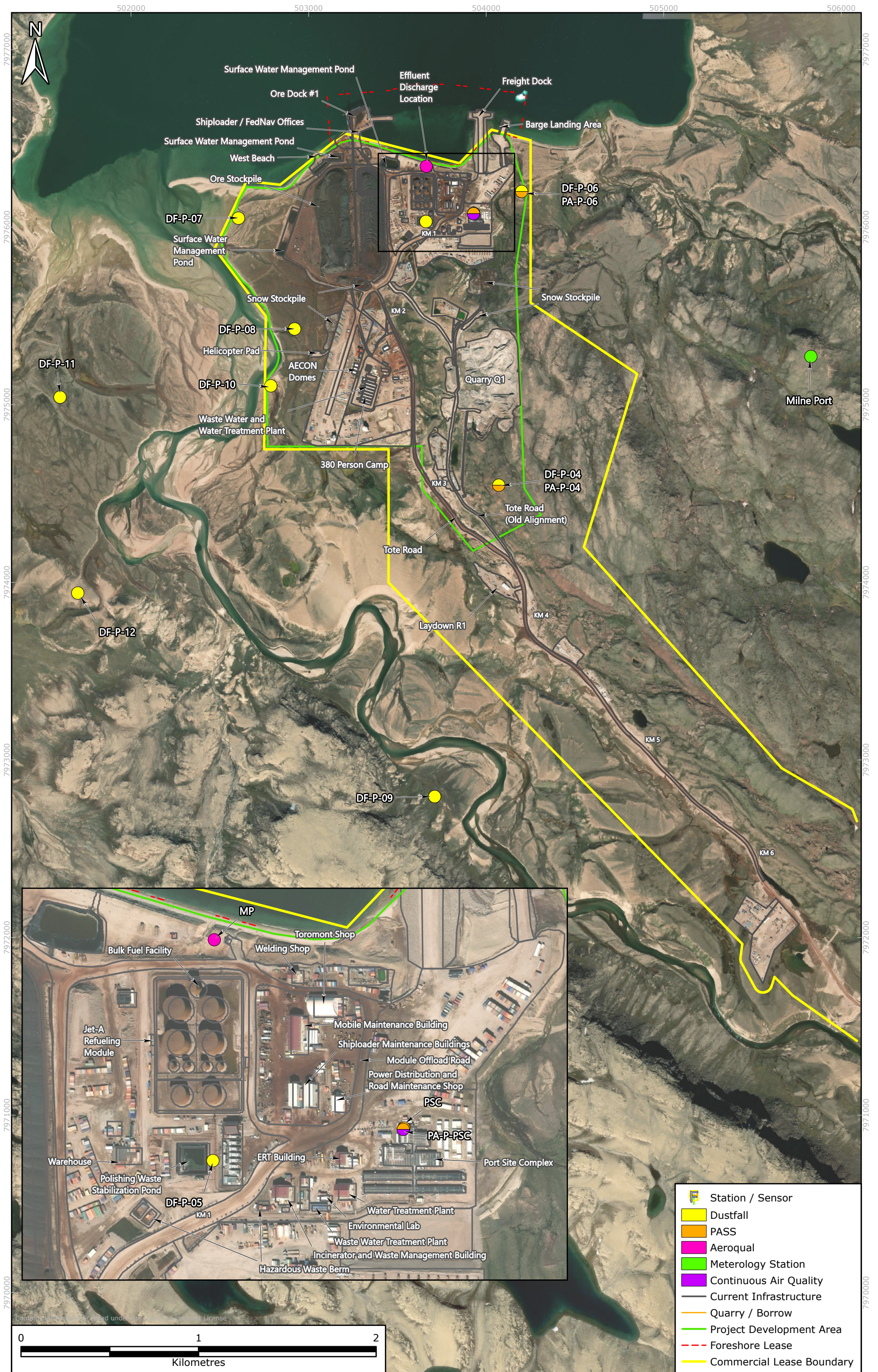
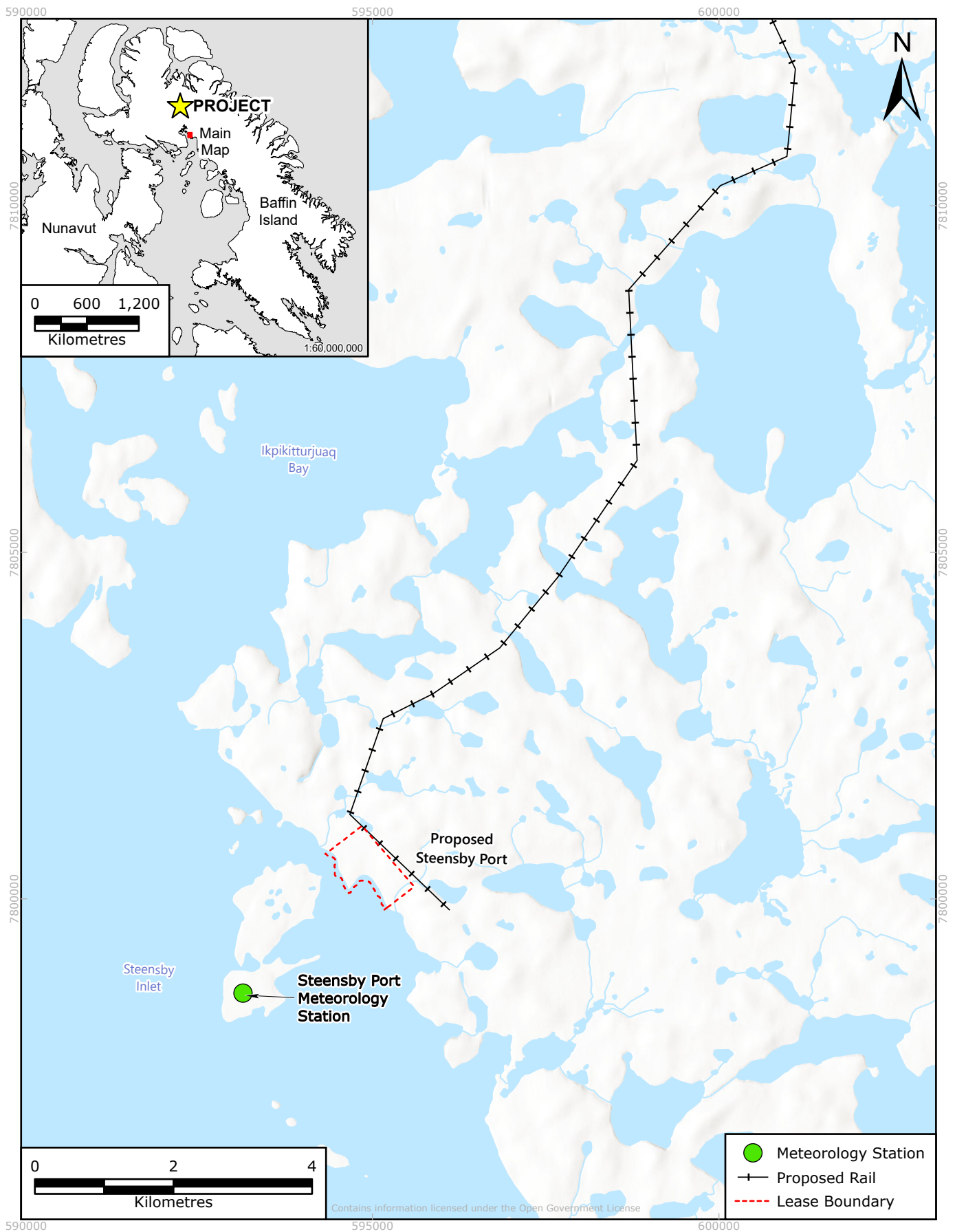


FIGURE 1.3-3 STEENSBY PORT METEOROLOGY STATION



## 2. METEOROLOGY

The meteorological monitoring program consists of three meteorological stations to characterize meteorological conditions at the Project and contribute to the interpretation of results from the ambient air quality monitoring program. The three meteorological stations include:

1. Mary River—The Mary River meteorological station is located at the Mine Site near the Weatherhaven structure (Photo 2-1).
2. Milne Port—The Milne Port meteorological station is located at Milne Port, approximately 1.6 km east of Milne Port (Photo 2-2).
3. Steensby Port—The Steensby Port meteorological station is located at the future Steensby Port, approximately 120 km southeast of the Mine Site (Photo 2-3).



Photo 2-1 Mary River meteorological station.

For comparison with the data from the Baffinland meteorological stations, the 1991-2020 Climate Normals and 2025 meteorological data from the nearby Pond Inlet Airport meteorological station operated by ECCC are presented. The locations of the Baffinland meteorological stations are shown on Figures 1.3-1, 1.3-2 and 1.3-3, and their location along with Pond Inlet Airport meteorological station is presented in Table 2-1.



Photo 2-2 Milne Port meteorological station.



Photo 2-3 Steensby Port meteorological station.

**TABLE 2-1 BAFFINLAND AND REGIONAL METEOROLOGICAL STATION LOCATIONS**

Station	Location	Data Period	Distance to PDA (km)	Easting (m, UTM Zone 17 W)	Northing (m, UTM Zone 17 W)
Mary River	Mine Site	2025	Within PDA	558095	7914345
Milne Port	Milne Port	2025	1.6	505831	7975274
Steensby Port	Steensby Port	2025	Within PDA	593120	7799108
Pond Inlet Airport <sup>a</sup>	Pond Inlet Airport	2025 and 1991-2020 Climate Normal	130 from the PSC	401435	8068271

Notes:

<sup>a</sup> ECCC 2026a, ECCC 2026b. Includes precipitation data instead of rainfall.

Datasets were subject to a quality assurance/quality control (QA/QC) review before being used for any application purpose (Section 2.1.2); however, regional datasets were taken from their source and presented as-is without evaluation of the monitoring methodology, data quality, or accuracy. The meteorological data from the Pond Inlet Airport meteorological station were published as either raw or reviewed data by the agency, depending on the date range and data frequency.

## 2.1 METHODOLOGY

The methodology used for meteorological monitoring by Baffinland is outlined in this section of the report, including the instrumentation, QA/QC, and data analysis and review.

### 2.1.1 AUTOMATED METEOROLOGICAL STATIONS

The meteorological stations are equipped with a datalogger and several sensors to monitor meteorological conditions. The meteorological parameters measured at each meteorological station in 2025 are summarized in Table 2.1-1.

**TABLE 2.1-1 PARAMETERS MEASURED AT THE METEOROLOGICAL STATIONS, 2025**

Station	Operator	Temperature	Relative Humidity	Rainfall	Solar Radiation	Wind Speed and Direction
Mary River	Baffinland	X	X	X	X	X
Milne Port	Baffinland	X	X	X	X	X
Steensby Port	Baffinland	X	X	X	X	X
Pond Inlet Airport	ECCC	X	X	X		X

Each Baffinland meteorological station is equipped with the following instrumentation:

- HC2-S3-XT Rotris Temperature and Relative Humidity Probe;
- SBS 500 Tipping Bucket Rain Gauge;
- 05103 RM Young Wind Monitor;
- SP Lite2 Kipp & Zonen Solar Radiation Sensor;
- CR 1000-55 datalogger; and
- 9522B Iridium Satellite Modem with COM9522B Satellite Modem Interface and SC932A CS I/O Interface.

All Baffinland meteorological station sensors are connected to a Campbell Scientific CR1000-55 datalogger that controls the operation of the stations. The datalogger's program monitors all sensors and generates hourly data tables with instantaneous, average, maximum, minimum, total, and standard deviation values, depending on which meteorological parameter is being measured. These tables are stored in internal memory. All the Baffinland meteorological stations use an Iridium-based satellite modem and antenna for data telemetry.

Data from the Mary River and Milne Port meteorological stations are posted on the Baffinland website for real time use by operations. In accordance with Project Certificate No. 005 and outlined in the AQNAMP, the following meteorological monitoring data are included from Mary River, Milne Port and Steensby Port meteorological stations:

- Time series of data;
- Hourly, daily, and annual averages in graphical and/or tabulated form (if applicable to the meteorological parameter);
- Wind roses;
- Graph and tables indicating seasonal variability; and
- Comparisons with other years of data.

### 2.1.2 QUALITY ASSURANCE/QUALITY CONTROL

All the meteorological stations and sensors were installed and maintained according to sensor siting guidelines from ECCC (EC 2004, 2012) and Canadian Standards Association (CSA) Automated Meteorological Station Standards (CSA 2022). Annual meteorology station maintenance services were provided by Campbell Scientific up to 2020, then by Nunami Stantec up to 2024, then by Advanced Monitoring Methods LLC (ADVM2) hence after.

A typical meteorological station maintenance schedule consists of regular site visits and following the manufacturer-specified instrument calibration schedule, performing a "sensor swap" every one to two years. To perform a sensor swap, each sensor is removed from the tower to be sent to the manufacturer and replaced with a freshly calibrated one. This minimizes station downtime and yields the best data quality possible. In 2025, a full audit and calibration was completed at the Mine Site and Milne Port meteorological stations. All sensors were deemed to be in good operating condition during the audit.

### 2.1.3 DATA ANALYSIS AND REVIEW

All meteorological data were downloaded remotely and reviewed periodically to flag and filter out or correct any erroneous values, and to ensure proper operation of the meteorological station sensors. The screening process used for data review and quality assurance draws from the following resources:

- Meteorological Monitoring Guidance for Regulatory Modeling Applications (USEPA 2000);
- Quality Assurance Handbook for Air Pollution Measurement Systems: Volume IV – Meteorological Measurements (US EPA 2008); and
- ADVM2 Standard Operating Procedure, Meteorological Suite , December, 2024.

Field notes and photos were also used to document any operational issues that may impact the data quality. Following the screening process, the hourly averages were processed to calculate daily and monthly averages for all parameters except rainfall. The hourly rainfall data were summed to calculate the total daily and monthly rainfall. In the case where comments or flags in the data were provided, hours with snow were neglected since the Baffinland meteorological station sensors were not designed to measure snow-water-equivalent (SWE) precipitation.

These datasets were then compared to the Climate Normals (ECCC 2026), which are a set of monthly averages taken across 30 years (1991-2020). This comparison provides context for year-over-year trends when compared to the 2025 dataset. The nearest station with Climate Normals data is Pond Inlet Airport and was therefore selected for the data comparison.

## 2.2 RESULTS AND DISCUSSION

The results from the Baffinland meteorological stations are presented in the sub-sections below for the January to December 2025 monitoring period. Data availability for each parameter is summarized in Table 2.2-1. Monthly meteorological data for the Baffinland meteorological stations in 2025 are presented in this section. Climate Normals from Pond Inlet Airport (ECCC 2026b) are also presented for comparison with Baffinland stations. Tables 2.2-2, 2.2-3, 2.2-4 and 2.2-5 present a monthly intercomparison of temperature, rainfall, relative humidity and wind speed data between the Baffinland and Pond Inlet Airport meteorological stations. Daily data from January to December 2025 can be found in Appendix A. Data were unavailable for the Steensby Port meteorological station beginning on March 25, 2025; therefore, annual minimum, mean, and maximums are not shown for this meteorological station. The Steensby Port meteorological station logger failed, and through troubleshooting with the service provider (Campbell Scientific) the logger was determined to be at end of life. Due to the remote location of the station, a new logger was not installed in 2025. A new logger is planned for installation in 2026.

### 2.2.1 AIR TEMPERATURE

Temperatures (mean, maximum, and minimum) recorded at the Mary River, Milne Port, and Steensby Port meteorological stations in 2025 are presented in Table 2.2-2, in addition to temperatures recorded at the Pond Inlet Airport meteorological station. Data completeness for meteorological data is presented in Table 2.2-1. Daily temperature trends from all the meteorological stations in 2025 are illustrated in Figure 2.2-1.

TABLE 2.2-1 BAFFINLAND AND POND INLET AIRPORT METEOROLOGICAL STATIONS, DATA AVAILABILITY SUMMARY, 2025

Month	Air Temperature (°C)			Mean Relative Humidity (%)			Total Rainfall (mm)			Wind Speed (m/s)			Mean Solar Radiation (W/m <sup>2</sup> )		
	Mary River	Milne Port	Steensby Port	Mary River	Milne Port	Steensby Port	Mary River	Milne Port	Steensby Port	Mary River	Milne Port	Steensby Port	Mary River	Milne Port	Steensby Port
Jan	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Feb	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Mar	100%	100%	77%	100%	100%	77%	100%	100%	77%	100%	100%	77%	100%	100%	77%
Apr	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%
May	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%
Jun	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%
Jul	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%
Aug	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%
Sep	77%	100%	0%	77%	100%	0%	77%	100%	0%	77%	100%	0%	77%	100%	0%
Oct	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%
Nov	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%
Dec	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%

TABLE 2.2-2 BAFFINLAND AND POND INLET AIRPORT METEOROLOGICAL STATIONS, MONTHLY TEMPERATURE SUMMARY, 2025

Month	Mary River					Milne Port					Steensby Port					Pond Inlet Airport <sup>a</sup>			Pond Inlet Airport Climate Normal <sup>a</sup> (1991-2020)		
	Mean Air Temp (°C)	Mean Daily Min. Air Temp (°C)	Mean Daily Max. Air Temp (°C)	Absolute <sup>b</sup> Min. Air Temp (°C)	Absolute <sup>b</sup> Max. Air Temp (°C)	Mean Air Temp (°C)	Mean Daily Min. Air Temp (°C)	Mean Daily Max. Air Temp (°C)	Absolute <sup>b</sup> Min. Air Temp (°C)	Absolute <sup>b</sup> Max. Air Temp (°C)	Mean Air Temp (°C)	Mean Daily Min. Air Temp (°C)	Mean Daily Max. Air Temp (°C)	Absolute <sup>b</sup> Min. Air Temp (°C)	Absolute <sup>b</sup> Max. Air Temp (°C)	Mean Air Temp (°C)	Mean Daily Min. Air Temp (°C)	Mean Daily Max. Air Temp (°C)	Mean Air Temp (°C)	Mean Daily Min. Air Temp (°C)	Mean Daily Max. Air Temp (°C)
Jan	-27.8	-32.7	-22.5	-46.2	-7.9	-28.2	-31.2	-25.2	-40.2	-11.8	-26.3	-30.3	-21.3	-39.9	-10.0	-29.4	-32.6	-26.1	-32.2	-44.3	-6.3
Feb	-27.7	-32.4	-22.9	-43.6	1	-27.7	-30.8	-24.4	-41.8	-5.8	-26.8	-30.0	-22.7	-37.6	-2.8	-27.5	-31.4	-23.5	-33.1	-44.0	-13.9
Mar	-22.8	-27.8	-18	-35.8	-2	-23.5	-26.6	-19.7	-34.0	-2.1	-20.1	-23.8	-16.6	-33.7	-5.1	-22.9	-26.3	-19.5	-29.4	-44.0	-5.3
Apr	-17.9	-23.3	-12.8	-34.6	-3.1	-19.3	-22.4	-15.6	-30.5	-4.6	M	M	M	M	M	-19.9	-22.9	-16.8	-20.9	-33.9	-0.3
May	-7.2	-10.6	-4.1	-24	8.6	-8.5	-11.1	-5.7	-23.0	5.8	M	M	M	M	M	-8.7	-11.6	-5.8	-8.1	-23.8	3.7
Jun	6.5	3	9.6	-2.2	17.4	4.7	1.9	7.6	-2.1	16.6	M	M	M	M	M	3.3	0.3	6.2	3.0	-9.3	12.3
Jul	10.1	6.8	13.4	1.2	18.9	7.7	5.0	10.8	1.4	16.1	M	M	M	M	M	5.4	2.2	8.5	7.2	1.0	15.9
Aug	5.3	2.4	8.3	-3	17.5	4.9	2.5	7.6	-3.3	18.2	M	M	M	M	M	4.5	2.1	6.9	5.6	-7.6	14.1
Sep	-0.4	-3.3	2.6	-6.6	6.7	-0.3	-2.3	1.6	-6.3	5.7	M	M	M	M	M	-0.2	-2.5	2.1	-0.7	-12.4	8.4
Oct	-4.1	-7.1	-1.7	-22.5	2.8	-4.0	-6.4	-1.9	-16.2	3.3	M	M	M	M	M	-3.0	-5.1	-0.9	-8.5	-23.5	3.6
Nov	-13.9	-17.6	-10.2	-37.6	1.5	-13.5	-16.3	-10.9	-33.7	-0.6	M	M	M	M	M	-13.5	-16.3	-10.5	-20.3	-38.5	-1.7
Dec	-20.2	-25.3	-15.9	-36.5	-5.8	-22.6	-26.3	-18.6	-38.6	-5.9	M	M	M	M	M	-22.5	-26.2	-18.8	-27.2	-40.5	-5.8
<b>Mean</b>	<b>-10.1</b>	<b>-14.1</b>	<b>-6.3</b>	<b>-24.3</b>	<b>4.6</b>	<b>-10.8</b>	<b>-13.6</b>	<b>-7.8</b>	<b>-22.4</b>	<b>2.9</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>-11.7</b>	<b>-14.7</b>	<b>-8.6</b>	<b>-13.7</b>	<b>-26.7</b>	<b>2.1</b>
<b>Max</b>	<b>10.1</b>	<b>6.8</b>	<b>13.4</b>	<b>1.2</b>	<b>18.9</b>	<b>7.7</b>	<b>5.0</b>	<b>10.8</b>	<b>1.4</b>	<b>18.2</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>5.4</b>	<b>2.2</b>	<b>8.5</b>	<b>7.2</b>	<b>1.0</b>	<b>15.9</b>
<b>Min</b>	<b>-27.8</b>	<b>-32.7</b>	<b>-22.9</b>	<b>-46.2</b>	<b>-7.9</b>	<b>-28.2</b>	<b>-31.2</b>	<b>-25.2</b>	<b>-41.8</b>	<b>-11.8</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>-29.4</b>	<b>-32.6</b>	<b>-26.1</b>	<b>-33.1</b>	<b>-44.3</b>	<b>-13.9</b>

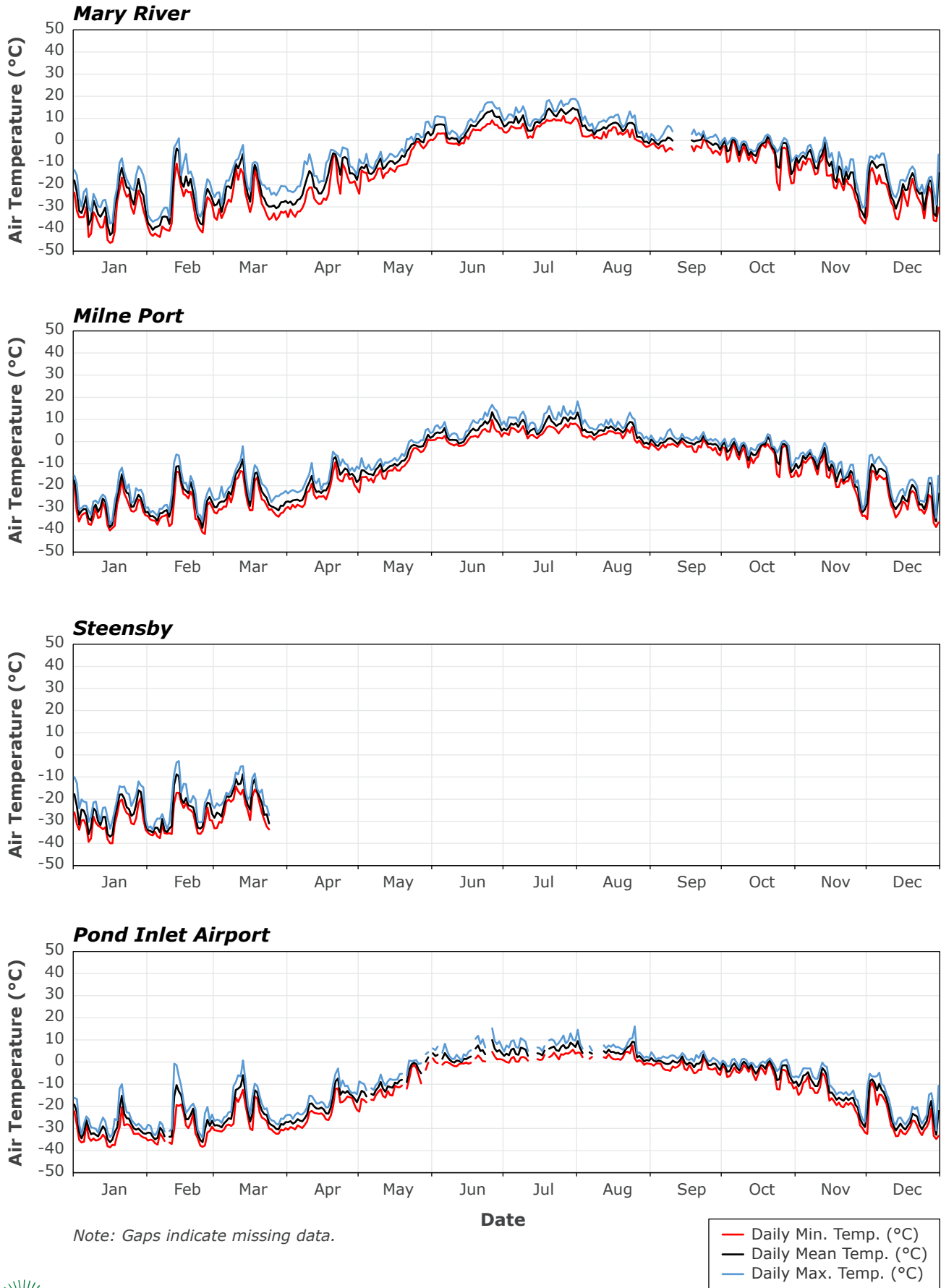
Notes:

M: Missing data.

<sup>a</sup> ECCC 2026.

<sup>b</sup> Based on hourly minimum and maximum temperatures.

FIGURE 2.2-1 BAFFINLAND AND POND INLET AIRPORT METEOROLOGICAL STATIONS, DAILY TEMPERATURE, 2025



The annual mean temperature in 2025 at Mary River and Milne Port were  $-10.1^{\circ}\text{C}$  and  $-10.8^{\circ}\text{C}$ , respectively, which are  $0.3^{\circ}\text{C}$  higher and  $0.2^{\circ}\text{C}$  lower than the respective station's 2024 annual mean. The mean daily temperature at all the stations in 2025 ranged from  $-42.7^{\circ}\text{C}$  on January 16 to  $14.7^{\circ}\text{C}$  on July 30 at Mary River. The absolute minimum and maximum temperatures in 2025 were also recorded at Mary River, ranging from  $-46.2^{\circ}\text{C}$  on January 16 to  $18.9^{\circ}\text{C}$  on July 30. The lowest monthly mean and absolute minimum temperatures in 2025 were recorded in January for all stations, except the absolute minimum temperature at Milne Port which was measured in February. The highest monthly mean and maximum temperatures in 2025 occurred in July 2025.

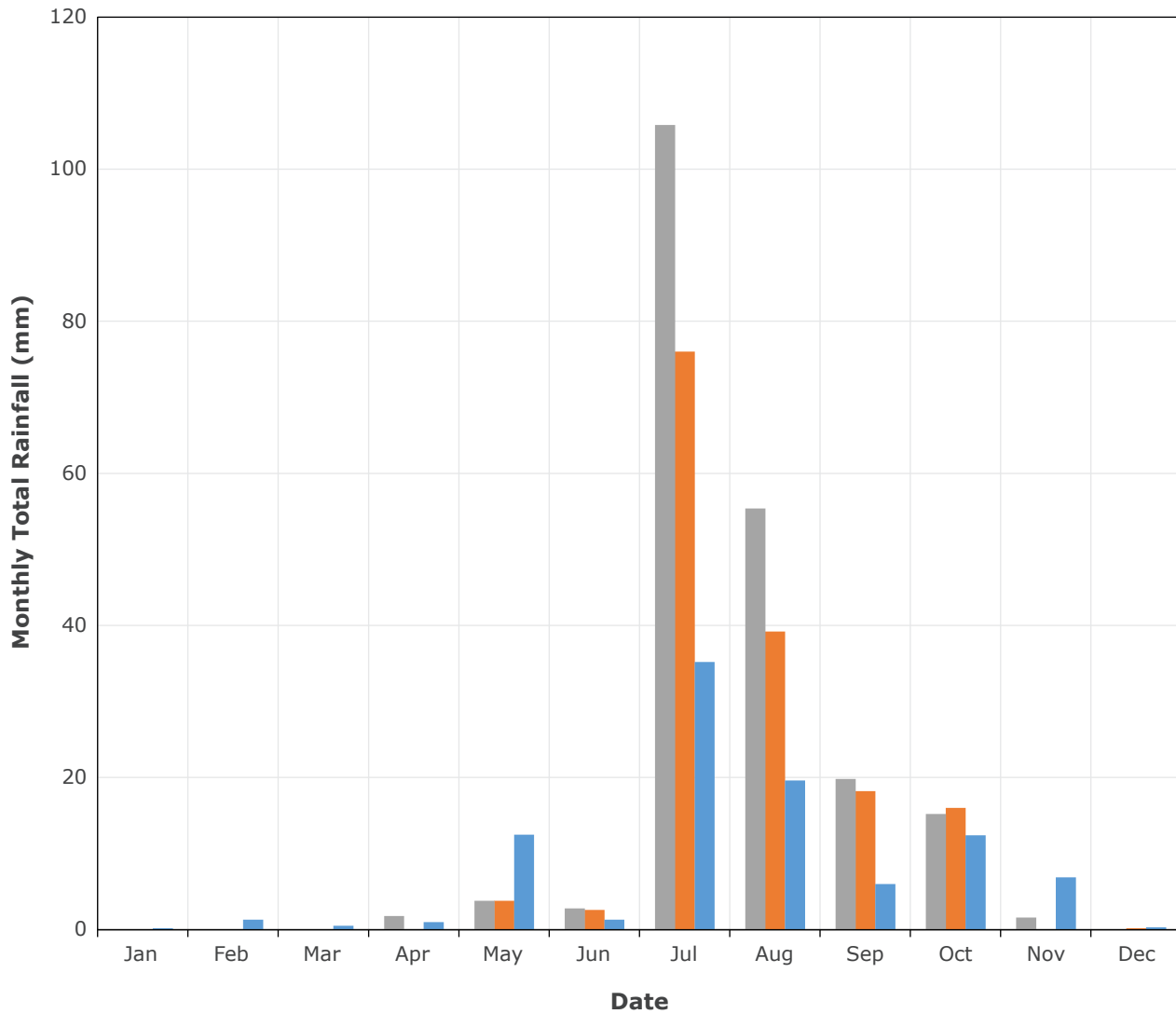
Compared to the 1991-2020 Climate Normals recorded at the Pond Inlet Airport station, the mean monthly temperatures were warmer at Mary River and Milne Port in 2025, than at Pond Inlet Airport for at least 10 out of 12 months, making 2025 a warmer-than-average year. In 2025, temperatures rose steadily above the freezing level in early June and fell below freezing at the end of September, with cold events below  $-30^{\circ}\text{C}$  occurring from January through April, then again in November and December.

### 2.2.2 RAINFALL

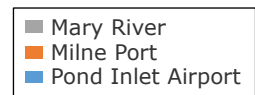
Monthly and annual total rainfall in 2025 is presented in Table 2.2-3, and the monthly rainfall trends are shown in Figure 2.2-2. The 2025 annual total rainfall at Mary River and Milne Port were 206.2 and 156.0 mm, respectively, which were lower than in 2024 (338.4 and 200.4 mm, respectively) but higher than the Pond Inlet Airport station and the Climate Normals (97.2 and 195.1 mm, respectively). It should be noted that the Pond Inlet Airport station measured precipitation (solid and liquid) and not just rainfall. The highest total daily rainfall in 2025 (24.8 mm) was recorded at the Milne Port station on July 11. On the same day, Mary River recorded a total daily rainfall of 21 mm (Appendix A). The wettest months in 2025 were July and August at all stations in 2025, as well as historically (Climate Normals); however, rainfall at both Mary River and Milne Port accounted for more than half the annual rainfall in 2025. There was very small amount of rainfall at both stations during the winter months due to the below freezing temperatures and the meteorological stations inability to measure SWE.

No rainfall was recorded at the Steensby Port during the three months of operation, due to temperatures below freezing from January to March and the meteorological station's inability to measure SWE, and no data collected from April onward.

FIGURE 2.2-2 BAFFINLAND AND POND INLET AIRPORT METEOROLOGICAL STATIONS, MONTHLY TOTAL RAINFALL, 2025



Note: No data available from the Steensby Meteorology Station.



**TABLE 2.2-3 BAFFINLAND AND POND INLET AIRPORT METEOROLOGICAL STATIONS, MONTHLY RAINFALL SUMMARY, 2025**

Month	Total Rainfall (mm)				
	Mary River <sup>a</sup>	Milne Port <sup>a</sup>	Steensby Port	Pond Inlet Airport <sup>b</sup>	Pond Inlet Airport Climate Normal <sup>b</sup> (1991-2020)
Jan	0	0.0	0.0	0.2	4.8
Feb	0	0.0	0.0	1.3	5.9
Mar	0	0.0	0.0	0.5	12.5
Apr	1.8	0.0	M	1.0	12.1
May	3.8	3.8	M	12.5	9.8
Jun	2.8	2.6	M	1.3	15.7
Jul	105.8	76.0	M	35.2	31.1
Aug	55.4	39.2	M	19.6	40.1
Sep	19.8	18.2	M	6.0	18.0
Oct	15.2	16.0	M	12.4	24.0
Nov	1.6	0.0	M	6.9	11.2
Dec	0	0.2	M	0.3	10.0
<b>Total</b>	<b>206.2</b>	<b>156.0</b>	<b>M</b>	<b>97.2</b>	<b>195.1</b>

Notes:

M: Missing data.

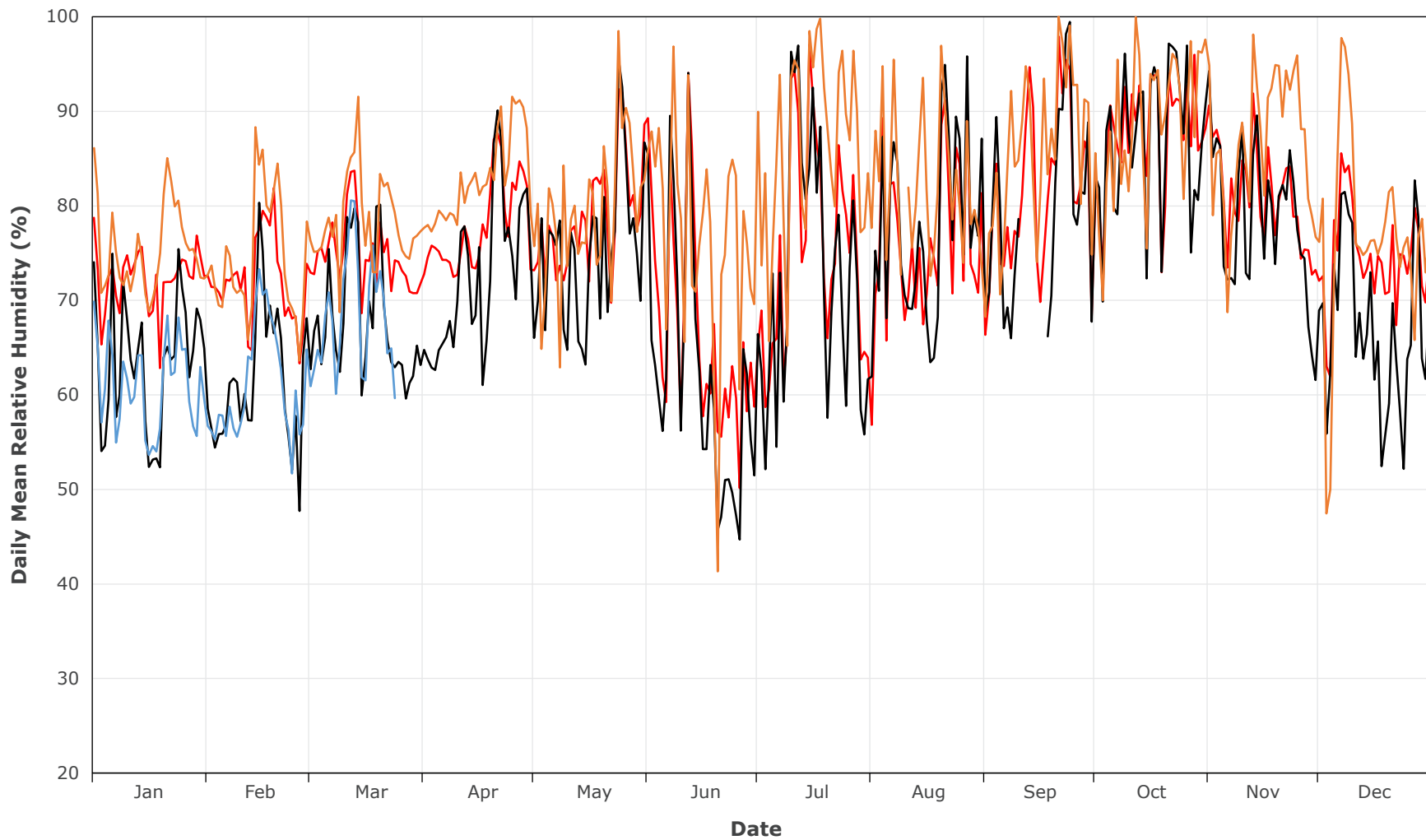
<sup>a</sup> Meteorological station does not measure snow-water-equivalent

<sup>b</sup> ECCC 2026a, ECCC 2026b. Includes all precipitation data instead of rainfall.

### 2.2.3 RELATIVE HUMIDITY

Monthly and annual mean relative humidity in 2025 is presented in Table 2.2-4, and the mean daily relative humidity trends are shown in Figure 2.2-3. The mean daily relative humidity at all the stations in 2025 ranged from 44.7% on June 26 to 99.5% on September 24 at the Mary River station. The mean monthly relative humidity in 2025 ranged from 61.3% to 86.9% at Mary River and from 66.9% to 87.6% at Milne Port, with the highest humidity observed in October at both stations. Overall, the relative humidity at Milne Port was higher than at Mary River for all months in 2025 except in August. The monthly mean relative humidity during the same period at Pond Inlet Airport was higher than both Mary River and Milne Port for all months, and higher than the Climate Normals for all months except for May and June. At Steensby Port, the relative humidity data were available from January to March only and ranged between 60.9% and 68.3%, which was lower than the other two stations during the same period on average.

FIGURE 2.2-3 BAFFINLAND AND POND INLET AIRPORT METEOROLOGICAL STATIONS, DAILY MEAN RELATIVE HUMIDITY, 2025



Note: Gaps indicate missing data.

- Mary River
- Milne Port
- Steensby
- Pond Inlet Airport



**TABLE 2.2-4 BAFFINLAND AND POND INLET AIRPORT METEOROLOGICAL STATIONS, MONTHLY RELATIVE HUMIDITY SUMMARY, 2025**

Month	Mean Relative Humidity (%)				
	Mary River	Milne Port	Steensby Port	Pond Inlet Airport <sup>a</sup>	Pond Inlet Airport Climate Normals <sup>a</sup> (1991-2020)
Jan	63.4	72.2	61.0	75.5	66.5
Feb	61.3	72.1	60.9	74.3	66.8
Mar	67.8	74.8	68.3	78.4	68.1
Apr	72.5	77.8	M	82.8	73.0
May	75.2	78.6	M	79.4	81.3
Jun	62.3	66.9	M	77.1	80.2
Jul	72.6	75.2	M	86.4	80.8
Aug	77.6	76.0	M	82.3	83.6
Sep	79	81.4	M	85.8	82.8
Oct	86.9	87.6	M	88.8	81.8
Nov	78.7	81.1	M	86.8	74.4
Dec	67.1	74.4	M	76.8	69.5
<b>Mean</b>	<b>72</b>	<b>76.6</b>	<b>M</b>	<b>81.2</b>	<b>75.7</b>
<b>Max</b>	<b>86.9</b>	<b>87.6</b>	<b>M</b>	<b>88.8</b>	<b>83.6</b>
<b>Min</b>	<b>61.3</b>	<b>66.9</b>	<b>M</b>	<b>74.3</b>	<b>66.5</b>

Notes:

M: Missing data.

<sup>a</sup> ECCC 2026

## 2.2.4 WIND SPEED AND DIRECTION

Annual and monthly mean and maximum instantaneous wind speeds in 2025 are presented in Table 2.2-5, and full-year and seasonal wind roses are presented in Figures 2.2-4 to 2.2-7. The Project location is characterized by relatively high wind speeds due to the absence of obstructions to impede winds.

At Mary River in 2025, the most frequent wind speeds were from 1 to 3 m/s (27.5% of the time), followed by 3 to 5 m/s (16.1% of the time), and 5 to 7 m/s (11.7% of the time). Calms (less than 0.5 m/s) occurred 12.7% of the time (Figure 2.2-5). In general, winds were most common from the southeast, northwest, and southwest in 2025. There were generally lower wind speeds from June to September, which were primarily from the northwest, compared to other colder months of the year when there is snow cover. Winds during winter months (January to May and October to December) were relatively stronger with more pronounced southeasterly winds.

TABLE 2.2-5 BAFFINLAND AND POND INLET AIRPORT METEOROLOGICAL STATIONS, MONTHLY WIND SPEED SUMMARY, 2025

Month	Mary River		Milne Port		Steensby Port		Pond Inlet Airport Climate Station <sup>a</sup>		Pond Inlet Airport Climate Station – Climate Normals <sup>a</sup>	
	Mean Wind Speed (m/s)	Absolute <sup>b</sup> Max Wind Speed (m/s)	Mean Wind Speed (m/s)	Absolute <sup>b</sup> Max Wind Speed (m/s)	Mean Wind Speed (m/s)	Absolute <sup>b</sup> Max Wind Speed (m/s)	Mean Wind Speed (m/s)	Absolute <sup>b</sup> Max Wind Speed (m/s)	Mean Wind Speed (m/s)	Absolute <sup>b</sup> Max Wind Speed (m/s)
Jan	2.7	18.9	4.4	24.5	8.2	26.1	2.2	10.8	1.9	21.1
Feb	3	25.4	5.1	22.5	7.4	34.9	2.9	21.1	1.8	19.4
Mar	3.1	23.9	3.7	28.8	8.9	37.7	3.2	24.7	2.1	18.1
Apr	2.2	12.2	2.9	12.6	M	M	2.0	M	2.1	20.6
May	4.2	21.3	5.8	22.8	M	M	2.8	23.3	2.4	19.4
Jun	3.8	14.2	5.0	23.4	M	M	3.0	20.0	2.8	17.5
Jul	3.1	18.8	5.0	24.7	M	M	2.3	18.6	2.7	19.4
Aug	4.5	20.4	6.5	24.3	M	M	3.7	18.9	2.8	19.4
Sep	3.5	17.4	5.3	27.6	M	M	2.8	14.4	3.4	20.6
Oct	6.8	24.1	7.8	26.0	M	M	4.4	19.7	4.1	20.6
Nov	3.6	16.6	4.0	21.2	M	M	3.3	12.8	2.9	25.3
Dec	6.1	26.4	5.5	28.2	M	M	3.4	25.8	2.2	25.8
<b>Mean</b>	<b>3.9</b>	<b>-</b>	<b>5.1</b>	<b>-</b>	<b>M</b>	<b>M</b>	<b>3.0</b>	<b>-</b>	<b>2.6</b>	<b>-</b>
<b>Max</b>	<b>6.8</b>	<b>26.4</b>	<b>7.8</b>	<b>28.8</b>	<b>M</b>	<b>M</b>	<b>4.4</b>	<b>25.8</b>	<b>4.1</b>	<b>25.8</b>
<b>Min</b>	<b>2.2</b>	<b>12.2</b>	<b>2.9</b>	<b>12.6</b>	<b>M</b>	<b>M</b>	<b>2.0</b>	<b>10.8</b>	<b>1.8</b>	<b>17.5</b>

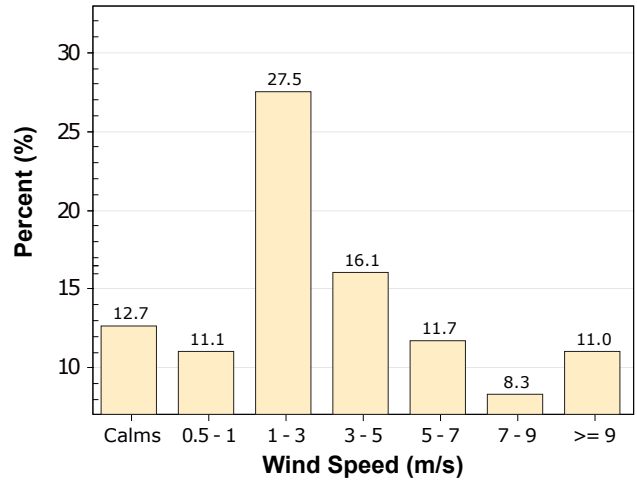
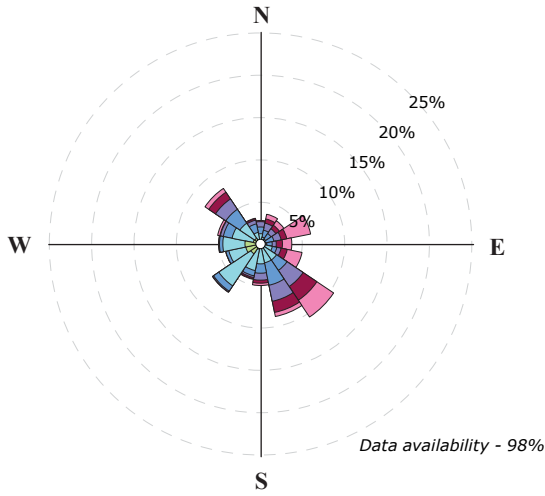
Notes:

M: Missing data.

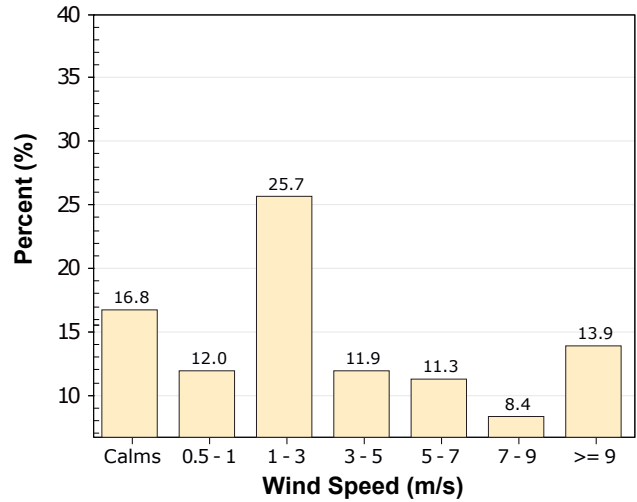
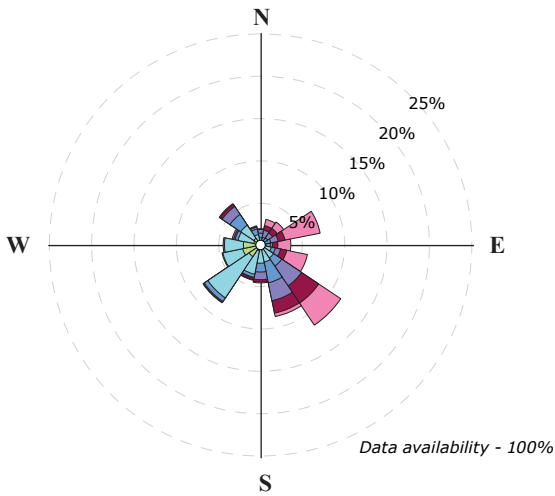
<sup>a</sup> ECCC 2026.<sup>b</sup> Based on the hourly maximum wind speed.

FIGURE 2.2-4 MARY RIVER METEOROLOGICAL STATION, WIND ROSE, 2025

**Monitoring Period: January 1, 2025 to December 31, 2025**



**Snow Cover Period: January 1, 2025 to May 31, 2025 and October 1, 2025 to December 31, 2025**



**Snow Free Period: June 1, 2025 to September 30, 2025**

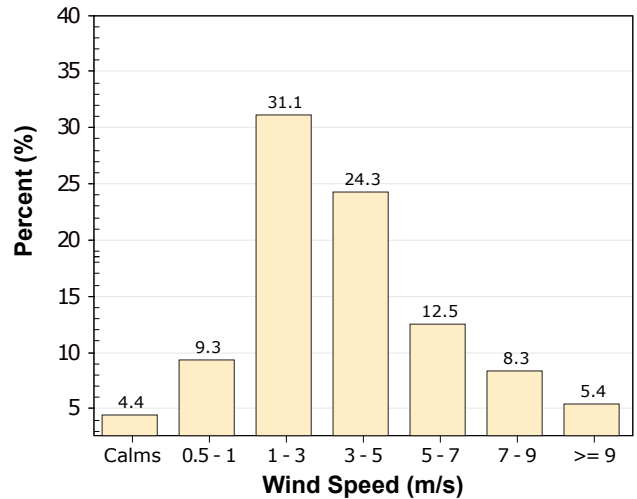
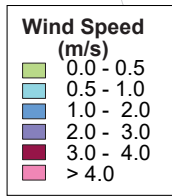
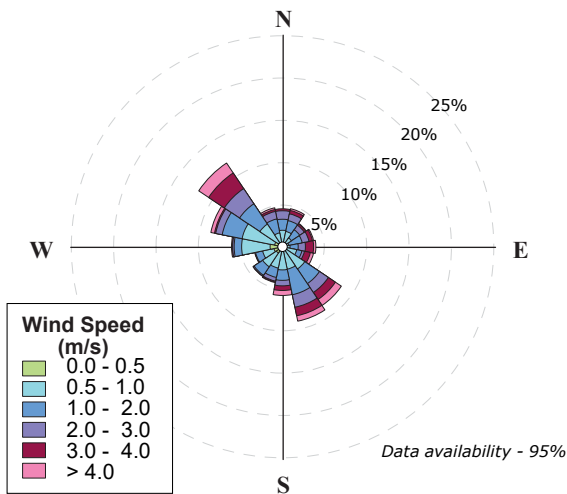
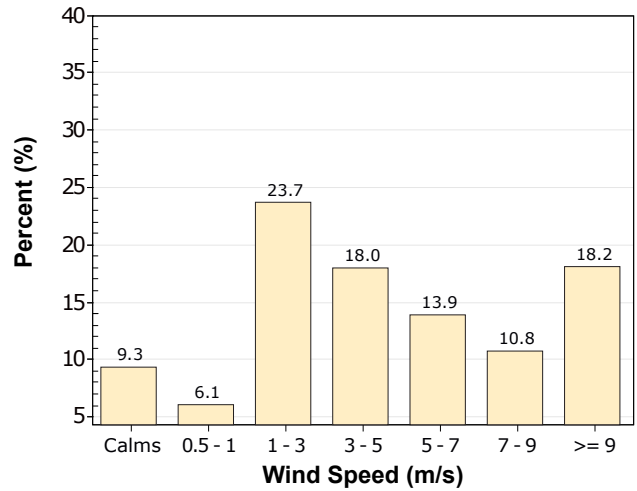
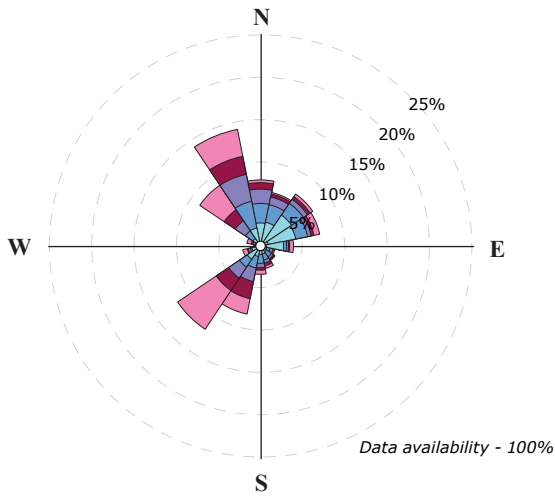
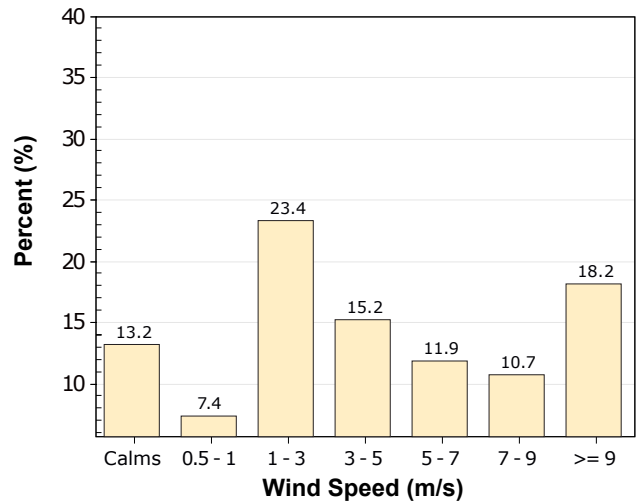
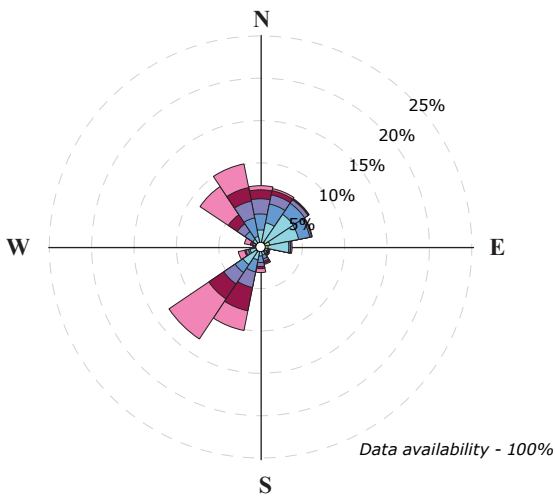


FIGURE 2.2-5 MILNE PORT METEOROLOGICAL STATION, WIND ROSE, 2025

**Monitoring Period: January 1, 2025 to December 31, 2025**



**Snow Cover Period: January 1, 2025 to May 31, 2025 and October 1, 2025 to December 31, 2025**



**Snow Free Period: June 1, 2025 to September 30, 2025**

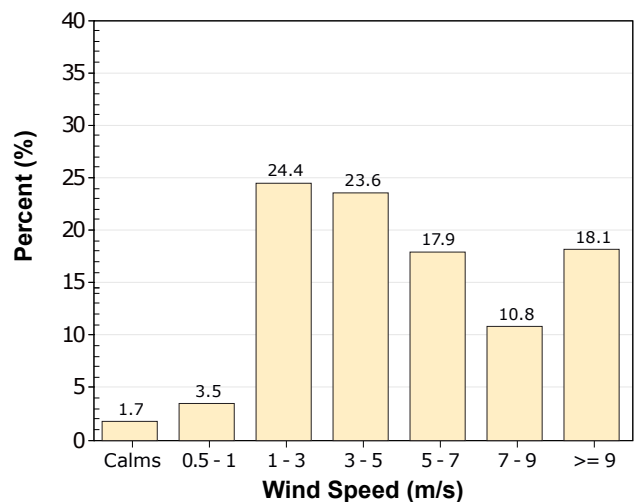
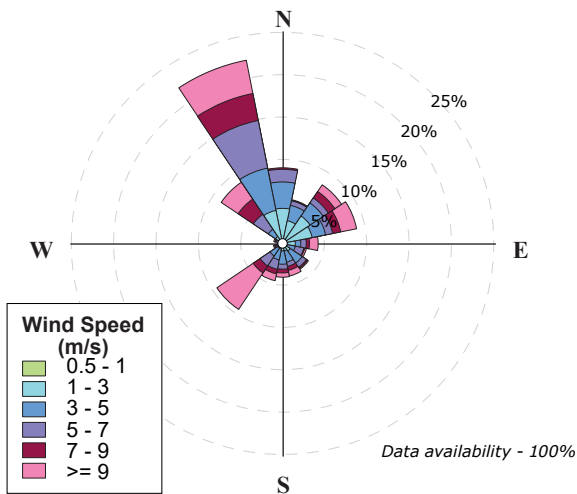
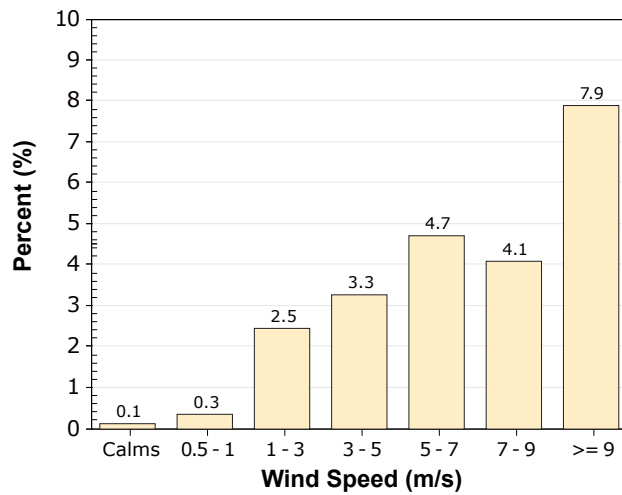
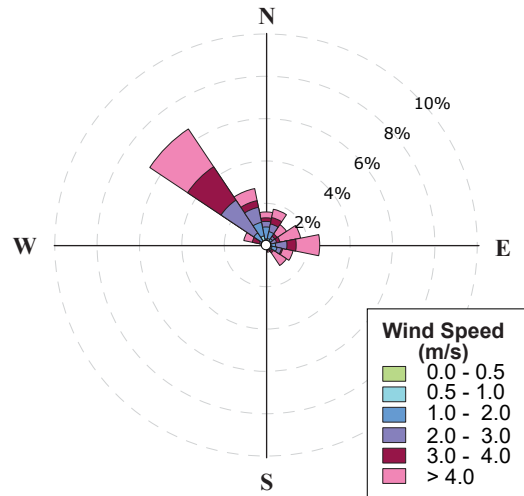


FIGURE 2.2-6 STEENSBY PORT METEOROLOGICAL STATION, WIND ROSE, 2025

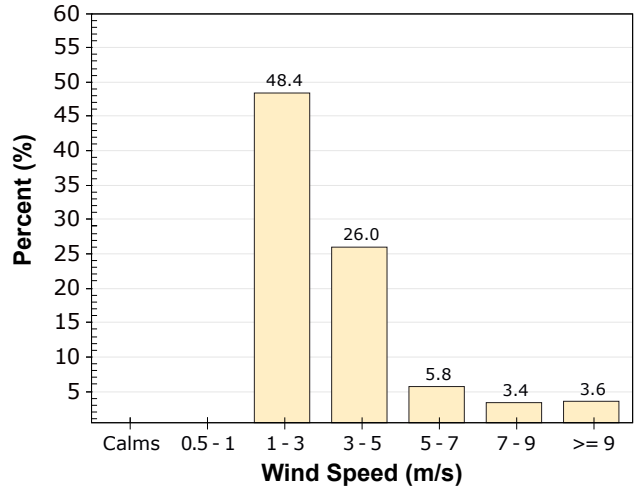
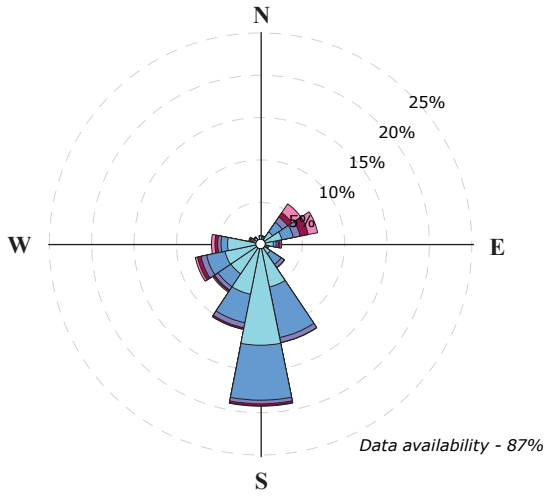
**Monitoring Period:  
January 1, 2025 to March 25, 2025**



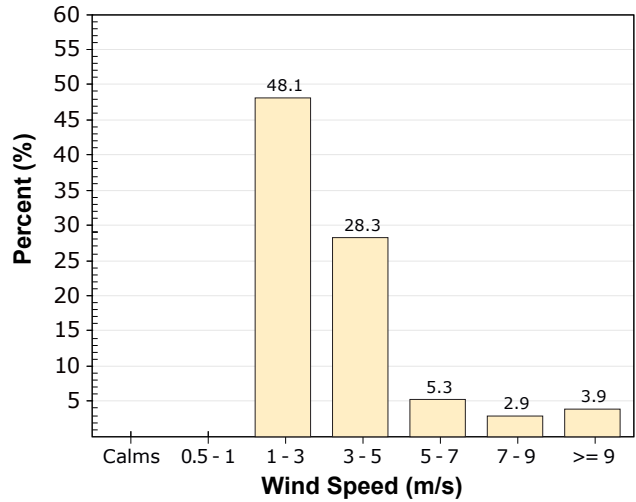
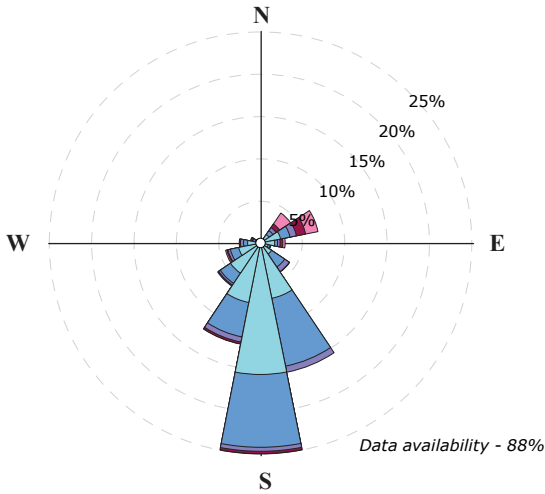
Data availability - 22%  
Note: No data available after March 25, 2025.

FIGURE 2.2-7 POND INLET AIRPORT METEOROLOGICAL STATION, WIND ROSE, 2025

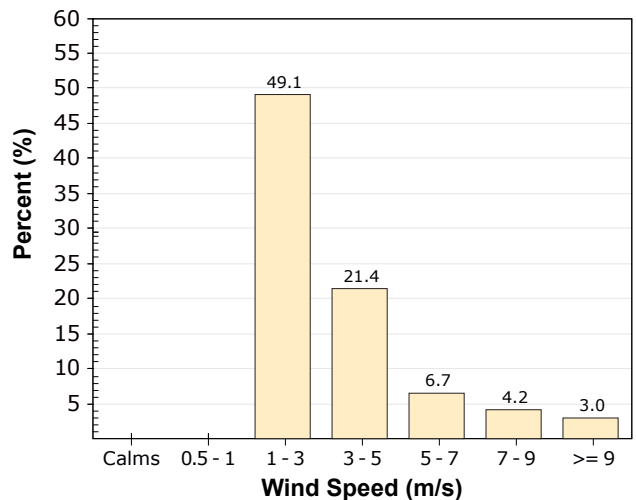
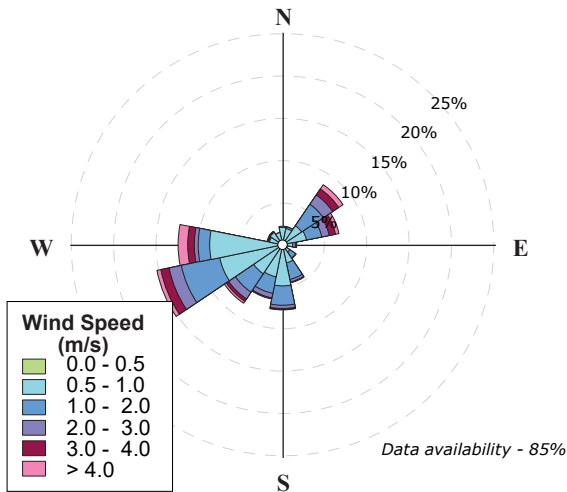
**Monitoring Period: January 1, 2025 to December 31, 2025**



**Snow Cover Period: January 1, 2025 to May 31, 2025 and October 1, 2025 to December 31, 2025**



**Snow Free Period: June 1, 2025 to September 30, 2025**



At Milne Port in 2025, the most frequent wind speeds were from 1 to 3 m/s (23.7% of the time), followed by greater than 9 m/s (18.2% of the time), and 3 to 5 m/s (18.0% of the time). Calms (less than 0.5 m/s) occurred 9.3% of the time (Figure 2.2-4). In general, winds were most common from the north-northwest and southwest; however, north-northwesterly winds were predominant from June to September in 2025 whilst there was no snow cover. Southwesterly winds were most predominant during all other months of the year when there was snow cover.

Winds at Steensby Port were recorded from January to March in 2025. The winds were most frequently greater than 9 m/s and from the northwest.

Compared against Climate Normals, the average wind speeds at Mary River and Milne Port were consistently higher, consistent with the previous year's dataset. The absolute maximum wind speeds were generally similar to the Climate Normals, with lower speeds measured at Mary River and higher speeds measured at Milne Port. The wind speed trends were similar across all stations, with lower average wind speeds in the middle of the year.

### 2.2.5 SOLAR RADIATION

Monthly and annual mean solar radiation in 2025 is presented in Table 2.2-6, and the mean daily solar radiation trends are shown in Figure 2.2-8. The highest mean daily solar radiation (361.5 W/m<sup>2</sup>) was recorded at Mary River on June 16. The Milne Port station also recorded its highest mean daily solar radiation (243.7 W/m<sup>2</sup>) on the same day. The mean annual solar radiation recorded at Mary River and Milne Port was 98 W/m<sup>2</sup> and 69.3 W/m<sup>2</sup>, respectively. Steensby Port was online only from January to March; therefore, the annual mean was not calculated. The solar radiation followed seasonal variation, increasing through April, reaching its peak in June, and then dropping to its lowest levels during the winter months (Figure 2.2-8).

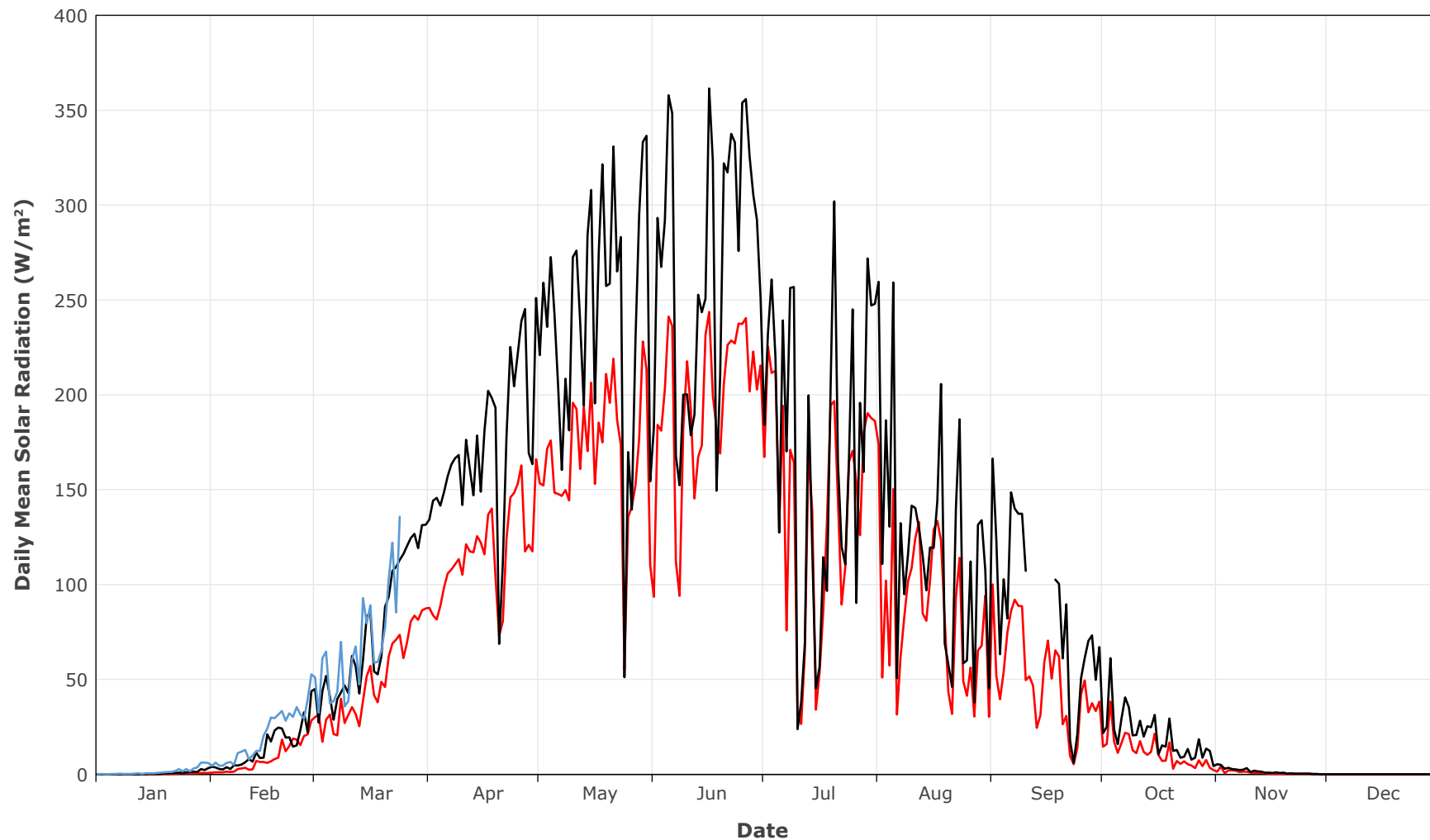
**TABLE 2.2-6 BAFFINLAND METEOROLOGICAL STATIONS, MONTHLY SOLAR RADIATION SUMMARY, 2025**

Month	Mean Solar Radiation (W/m <sup>2</sup> )		
	Mary River	Milne Port	Steensby Port
Jan	0.6	0.2	1.4
Feb	13.8	8.6	20.1
Mar	75.8	49.0	67.4
Apr	172.5	116.4	M
May	240.5	168.5	M
Jun	269.8	196.6	M
Jul	168.9	141.5	M
Aug	120.7	84.9	M
Sep	86.1	50.2	M
Oct	20.1	11.5	M
Nov	1.5	0.8	M
Dec	0.0	0.0	M
<b>Mean</b>	<b>98.0</b>	<b>69.3</b>	<b>M</b>
<b>Max</b>	<b>269.8</b>	<b>196.6</b>	<b>M</b>
<b>Min</b>	<b>0.0</b>	<b>0.0</b>	<b>M</b>

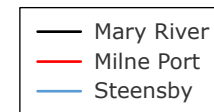
Notes:

M: Missing data.

FIGURE 2.2-8 BAFFINLAND METEOROLOGICAL STATIONS, DAILY MEAN SOLAR RADIATION, 2025



Note: Gaps indicate missing data.



### 3. AMBIENT AIR QUALITY

The air quality monitoring program completed in 2025 includes:

- Continuous ambient air quality monitoring for NO<sub>2</sub> and SO<sub>2</sub> at the MSC and PSC accommodation buildings located at the Mine Site and Milne Port, respectively;
- Continuous ambient air quality monitoring for TSP and PM<sub>2.5</sub> at the MSC and PSC accommodation buildings located at the Mine Site and Milne Port, respectively;
- Passive dustfall monitoring at the Mine Site, Milne Port, and along the Tote Road (reported separately under the 2025 TEAMR [Environmental Dynamics Inc. 2026]); and
- Incinerator emissions testing (reported separately [WSP Canada Inc. 2025]).

Continuous monitoring of ambient air quality for NO<sub>2</sub>, SO<sub>2</sub>, TSP, and PM<sub>2.5</sub> was conducted at the MSC and PSC ambient air quality monitoring stations at the Mine Site and Milne Port, respectively, in 2025. In addition, an Aeroqual AQS1 unit was installed at the approximate PDA boundary in November 2025 at the Mine Site and Milne Port to provide continuous monitoring of NO<sub>2</sub>, SO<sub>2</sub>, TSP, and PM<sub>2.5</sub>. The Aeroqual AQS1 units were installed to supplement ambient air quality monitoring data at the existing MSC and PSC ambient air quality monitoring stations for comparison and evaluation of potential causes of ambient air quality exceedances, in addition to assessing compliance with the applicable standards. The Aeroqual AQS1 units are located at the approximate PDA boundary, and are sited more appropriately and in alignment with regulatory compliance monitoring, as compared to MSC and PSC ambient air quality monitoring stations located inside the PDA, which are more representative of the air quality conditions within the mining operations. Additionally, the NO<sub>2</sub> and SO<sub>2</sub> analyzers at the MSC and PSC ambient air quality monitoring stations were installed in 2014 and are at the end of life; therefore, Baffinland plans to decommission these stations and transition to using Aeroqual AQS1 units for future compliance-related monitoring, pending piloting results. The locations of the ambient air quality stations and Aeroqual AQS1 units is presented in Table 3-1 and shown in Figures 1.3-1 and 1.3-2.

Passive NO<sub>2</sub> and SO<sub>2</sub> monitoring pucks were installed at a sub-set of passive dustfall monitoring stations, and other locations, at and within the PDA boundaries of the Mine Site and Milne Port starting in September 2025. These monitoring systems are currently being piloted and comprehensive reporting on the results will occur in the following year.

**TABLE 3-1 BAFFINLAND AMBIENT AIR QUALITY MONITORING STATION LOCATIONS**

Station	Location	Data Period	Distance to PDA (km)	Easting (m, UTM Zone 17 W)	Northing (m, UTM Zone 17 W)
MSC	Mine Site	2025	Within PDA	561398	7913332
PSC	Port Site	2025	Within PDA	503930	7976078
Mine Site PDA (Aeroqual3236)	Mine Site	November to December 2025	PDA Boundary	558094	7914339
Milne Port PDA (Aeroqual3297)	Port Site	November to December 2025	PDA Boundary	503663	7976343

## 3.1 METHODOLOGY

The sub-sections below outline the methodology used for the ambient air quality monitoring by Baffinland.

### 3.1.1 CONTINUOUS MONITORING FOR NITROGEN DIOXIDE AND SULPHUR DIOXIDE

The Teledyne API Model T200 NO<sub>x</sub> Analyzer is used to continuously monitor NO<sub>2</sub> at the MSC and PSC ambient air quality monitoring stations. The nitrous oxides (NO<sub>x</sub>) analyzer uses a photo multiplier tube (PMT) to detect the amount of chemiluminescence created in the reaction cell. Photons from the reaction are filtered by an optical high-pass filter enter the PMT and strike a negatively charged photo cathode causing it to emit electrons. A high voltage potential across these focusing electrodes directs the electrons toward the array of high voltage dynodes. The dynodes are designed so that each stage multiplies the number of emitted electrons by emitting multiple, new electrons. This activity increases the number of electrons emitted which are collected by the anode to create a usable current signal. The signal is then interpreted across the PMT board and translated to numerical data through the motherboard to be displayed on the unit's display panel and transmitted to data collection software (Teledyne API 2015).

The Teledyne API Model T100 UV Fluorescence SO<sub>2</sub> Analyzer is used to continuously monitor SO<sub>2</sub> at MSC and PSC ambient air quality stations by drawing in a continuous sample through the instrument. The sample gas is exposed to ultraviolet (UV) light, which causes the SO<sub>2</sub> molecules to change to an excited state (SO<sub>2</sub>\*). As the molecules decay into SO<sub>2</sub>, they emit a photon. The reaction enters a PMT which increases the number of electrons emitted (as in the T200). The signal is then interpreted across the PMT board and translated to numerical data through the motherboard to be displayed on the units display panel and transmitted to data collection software (Teledyne API 2018). Note that due to technical issues, the SO<sub>2</sub> analyzer at MSC was not operational in 2025 and the SO<sub>2</sub> analyzer at PSC was not operational after July 17, 2025.

Both NO<sub>2</sub> and SO<sub>2</sub> analyzers are connected to the ENVIDAS data logging system, which controls instrument operation, continuously collects measurement data, and provides real-time visual and graphical displays as well as instrument diagnostics and alarm status. MSC and PSC ambient air quality monitoring station instrumentation is shown in Photos 3.1-1 and 3.1-2, respectively.

Continuous monitoring of NO<sub>2</sub> and SO<sub>2</sub> at the PDA boundary at the Mine Site and Milne Port is conducted using Aeroqual AQS1 units (Photo 3.1-3) to provide real-time measurement. The system uses integrated sensors and onboard telemetry to transmit a continuous stream of monitoring data to a secure cloud platform, allowing remote access to real-time results.



Photo 3.1-1 Rack-mounted Teledyne T100 (SO<sub>2</sub>) and T200 (NO<sub>x</sub>-NO<sub>2</sub>) continuous gas analyzers at the Mine Site Complex ambient air quality station.



Photo 3.1-2 Rack-mounted Teledyne T100 (SO<sub>2</sub>) and T200 (NO<sub>x</sub>-NO<sub>2</sub>) continuous gas analyzers at the Port Site Complex ambient air quality station.



Photo 3.1-3 Aeroqual AQS1 at the Mine Site Project Development Area boundary.

Aeroqual AQS1 units consist of NO<sub>2</sub> and SO<sub>2</sub> modules, which use electrochemical gas sensors to measure NO<sub>2</sub> and SO<sub>2</sub> concentrations. These sensors generate an electrical current in which is proportional to the concentration of the gas that comes into contact with these sensors. The modules are designed to create two different flow paths, one of which passes through a proprietary scrubber to remove NO<sub>2</sub> and SO<sub>2</sub> to produce baseline measurements. A pump sampling design provides a reliable flow of air to the sensor modules. The flow rate is controlled, and it is determined by the flow control orifice on the exhaust side of the sensor and measured at the inlet to the sensor module. The sensor currents are measured during both the baseline and sample measurement states, and these values are used to calculate the NO<sub>2</sub> and SO<sub>2</sub> concentrations using a proprietary algorithm approximately once per minute (Aeroqual 2026).

The compact design and flexible siting requirements make the Aeroqual AQS1 suitable for boundary and fence-line compliance monitoring. The Aeroqual AQS1 units were commissioned in mid-November 2025 for piloting and are intended to replace ambient air quality monitoring stations within the PDA (i.e., MSC and PSC) upon validation (i.e., over the next year).

### 3.1.2 CONTINUOUS MONITORING FOR PARTICULATE MATTER

The Met One BAM 1020 collects and analyzes atmospheric particulate matter (TSP and PM<sub>2.5</sub>) concentrations in ambient air at the MSC and PSC ambient air quality monitoring stations. The BAM 1020 has been widely used over the last 18 years by ECCC at their nation-wide National Air Pollution Surveillance (NAPS) monitoring stations.

The BAM 1020 measures dust particle mass through the principle of beta ray attenuation across the sampling medium (filter tape). A small Carbon-14 element emits a constant source of high-energy electrons known as beta rays. The BAM 1020 first conducts a beta ray count across the clean filter tape, records the value internally, and then proceeds to draw ambient air through the filter tape. Dust particles are collected on the filter tape at the primary record location and scintillation counts are conducted to measure the beta attenuation and calculate the particulate concentration. Particle size differentiation is carried out utilizing a splitter head (size selective inlet) mounted on the end of the sample inlet tube/pipe. The size selective inlet creates a calculated flow change which causes heavier particles to drop out of the flow path, delivering only the pre-determined particle size to the BAM 1020.

Similar to gas analyzers, TSP and PM<sub>2.5</sub> concentration data are collected through the ENVIDAS data logging system, which records continuous measurements for reporting and system diagnostics. BAM 1020 continuous ambient air quality monitors at the MSC and PSC are shown in Photos 3.1-4 and 3.1-5, respectively.



Photo 3.1-4 PM<sub>2.5</sub> BAM 1020 analyzer at the Mine Site Complex ambient air quality station.



Photo 3.1-5 TSP BAM 1020 analyzer at the Port Site Complex ambient air quality station.

TSP and PM<sub>2.5</sub> concentrations are also measured at the Mine Site and Milne Port PDA boundary using Aeroqual AQS1 units (Photo 3.1-3). These units use particle profiler modules, which are optical counting devices that use scattered light to size and count particles. The intensity of light scattered by each particle is converted into a voltage pulse, and the pulse amplitude is calibrated to a specific particle diameter. Based on this diameter, the particles are assigned to one of the eight particle count channels. Proprietary algorithms are used to calculate mass based on particle counts from each channel, which allows the Aeroqual AQS1 to calculate TSP and PM<sub>2.5</sub> simultaneously (Aeroqual 2025).

### 3.1.3 QUALITY ASSURANCE/QUALITY CONTROL

The NO<sub>2</sub>, SO<sub>2</sub>, TSP, and PM<sub>2.5</sub> analyzers are calibrated and maintained in accordance with the manufacturer-recommended calibration methods, the maintenance and calibration Standard Operating Procedure (SOP; BIM-5200-0029 and BIM-5200-0030), the United States Environmental Protection Agency (US EPA) Quality Assurance Handbook for Air Pollution Measurement Systems: Volume II – Ambient Air Quality Monitoring (US EPA 2017) and NAPS Ambient Air Monitoring and Quality Assurance/Quality Control Guidelines (CCME 2019).

In 2025, NO<sub>2</sub> at Milne port was calibrated quarterly, and SO<sub>2</sub> was only calibrated in the first two quarters. The SO<sub>2</sub> analyzer was decommissioned on July 17 due to issues with the monitor screen and computer failure. At the Mine site, the NO<sub>2</sub> was only calibrated once a year in November due to non availability of the technician, and the SO<sub>2</sub> analyzer was non-functional for the entire 2025.

The TSP and PM<sub>2.5</sub> analyzers were also last calibrated in November 2025 by ADV2. The data from the analyzers were reviewed and findings are logged by a technician daily.

Routine quality assurance activities include weekly and monthly operation checks to verify instrument performance, ensure data accuracy, and maintain reliable continuous monitoring.

### 3.1.4 DATA ANALYSIS AND REVIEW

All the ambient air quality monitoring data were downloaded and reviewed periodically to flag and filter out or correct any erroneous values, and to ensure proper operation of the stations' sensors. The screening process used for data review and quality assurance by the US EPA, which includes:

- Quality Assurance Handbook for Air Pollution Measurement Systems: Volume II – Ambient Air Quality Monitoring, January 2017 (US EPA 2017);
- 40 Code of Federal Regulations Part 58 (US EPA 2025a);
- 40 Code of Federal Regulations Part 50 (US EPA 2025b); and
- 40 Code of Federal Regulations Part 53 (US EPA 2025c).

Following the screening process, the hourly averages were processed to calculate daily and monthly averages for all parameters.

The measured NO<sub>2</sub>, SO<sub>2</sub>, TSP, and PM<sub>2.5</sub> concentrations are compared to the NAAQS, and the CAAQS for reference purposes (Table 1.1-1). Any exceedances noted during the previous monitoring period are flagged and recorded during the analysis.

## 3.2 NITROGEN DIOXIDE AND SULFUR DIOXIDE RESULTS AND DISCUSSION

The results from the on-site NO<sub>2</sub> and SO<sub>2</sub> ambient air quality monitoring stations are presented in the sub-sections below for the January to December 2025 monitoring period. Daily data from January to December 2025 can be found in Appendix B.

### 3.2.1 MINE SITE COMPLEX AMBIENT AIR QUALITY MONITORING STATION

#### 3.2.1.1 NITROGEN DIOXIDE

A summary of NO<sub>2</sub> data at MSC is presented in Table 3.2-1 for 2025 while maximum and minimum daily concentrations are shown in Figure 3.2-1.

For 2025, the highest daily maximum 1-hour concentration for NO<sub>2</sub> (198.4 µg/m<sup>3</sup>) was measured on November 21. The week of November 17 to November 23 all had NO<sub>2</sub> 1-hour daily maximums above 100 µg/m<sup>3</sup>. The 98<sup>th</sup> percentile of daily maximum 1-hour concentrations for 2025 was 147.1 µg/m<sup>3</sup>. The 98<sup>th</sup> percentile of daily maximum 1-hour concentrations for 2023 and 2024 are also shown in Table 3.2-1. Averaging for the years of 2023 to 2025 results in 167.1 µg/m<sup>3</sup>, which does result in an exceedance of the NAAQS and CAAQS standard of 79 µg/m<sup>3</sup>. There were 804 hours in 2025 where NO<sub>2</sub> concentrations were above 79 µg/m<sup>3</sup>, all occurring between January and mid-April, and mid-October to December (Figure 3.2-1).

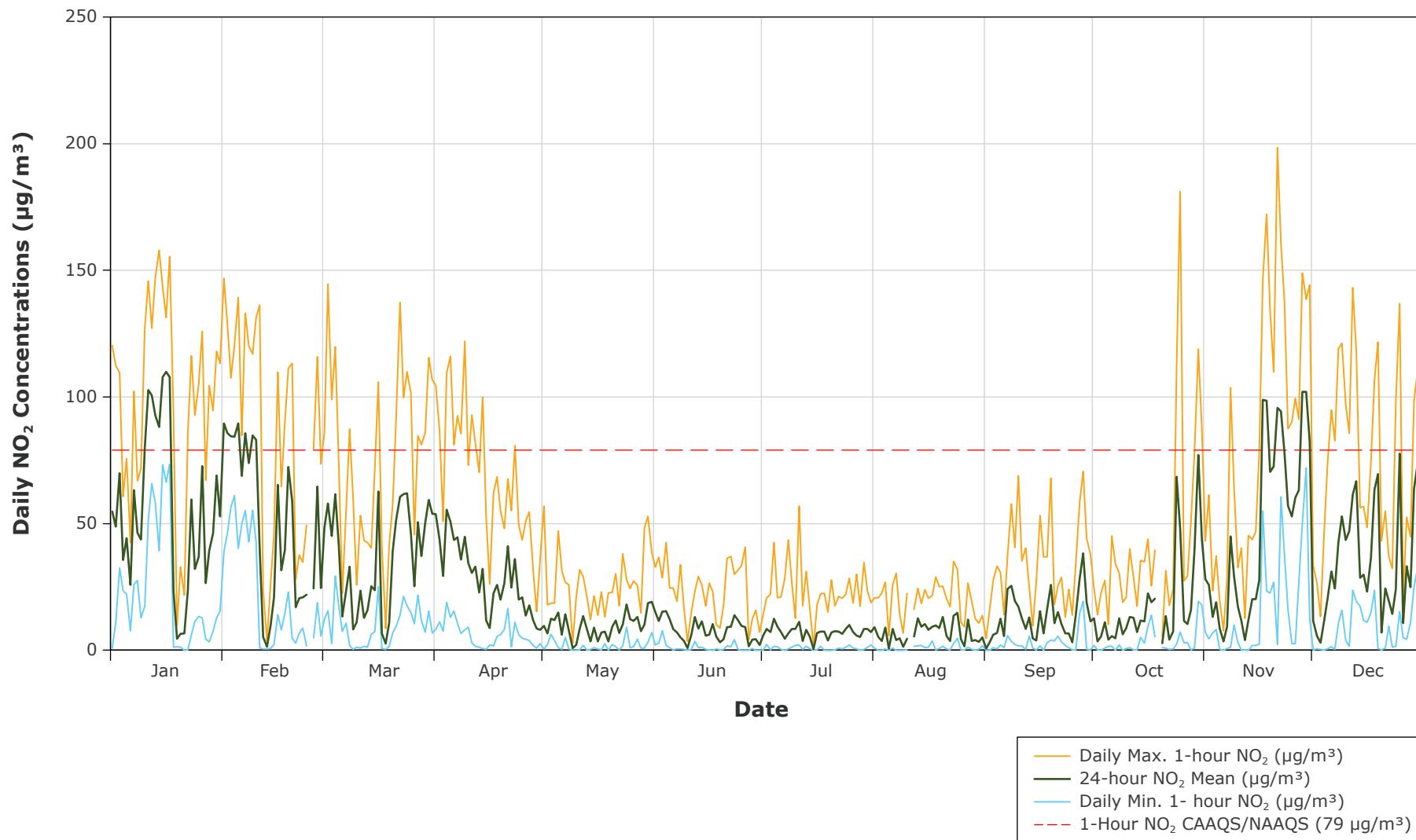
As for the maximum daily averages, winter months and shoulder seasons had considerably higher (three to eight times more) concentrations than summer months. This is to be expected considering the combination of factors such as increased use of heating sources and winter atmospheric conditions (i.e., inversions) trapping emissions and reduced photooxidation processes. The highest daily average (198.4 µg/m<sup>3</sup>) occurred on January 16.

The NO<sub>2</sub> annual mean recorded at MSC was 26.1 µg/m<sup>3</sup>, which is higher than the NAAQS and CAAQS standard of 23 µg/m<sup>3</sup>. The highest monthly averages happened in January (55.5 µg/m<sup>3</sup>) and February (50.7 µg/m<sup>3</sup>). Most months had 100% data completeness with a few months above 95%.

#### 3.2.1.2 SULPHUR DIOXIDE

Baffinland noted in the 2024 Annual Air Quality, Dustfall and Meteorology Report (Nunami Stantec Limited 2025) that the SO<sub>2</sub> analyzer was shut down in December 2024 due to a system-wide failure. The analyzer was not operational in the entirety of 2025 and therefore no SO<sub>2</sub> data are available for MSC.

FIGURE 3.2-1 MINE SITE COMPLEX AMBIENT AIR QUALITY STATION, DAILY NO<sub>2</sub> CONCENTRATIONS, 2025



**TABLE 3.2-1 MINE SITE COMPLEX AMBIENT AIR QUALITY STATION, MONTHLY NO<sub>2</sub> CONCENTRATIONS SUMMARY, 2025**

Month	Max NO <sub>2</sub> Daily Mean (µg/m <sup>3</sup> )	Daily Max 1-Hour NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily Min 1-Hour NO <sub>2</sub> (µg/m <sup>3</sup> )	No. of Daily Max 1-Hour Concentrations Above 79 µg/m <sup>3</sup>	No. of Days with Missing Data	Data Completeness (%)
Jan	109.9	157.8	0.0	22	0	100
Feb	89.6	146.7	0.5	17	1	96
Mar	62.6	144.5	0.3	16	0	100
Apr	55.5	121.9	0.3	12	0	100
May	19.1	56.9	0.0	0	0	100
Jun	15.3	42.4	0.0	0	0	100
Jul	12.5	56.9	0.0	0	0	100
Aug	14.7	35.0	0.0	0	1	97
Sep	38.2	70.6	0.0	0	0	100
Oct	77.0	181.0	0.0	4	1	97
Nov	102.0	198.4	0.0	15	0	100
Dec	77.6	143.1	0.1	15	0	100
<b>Mean</b>	<b>56.2</b>	<b>112.9</b>	<b>0.1</b>	<b>8</b>	<b>N/A</b>	<b>99</b>
<b>Max</b>	<b>109.9</b>	<b>198.4</b>	<b>0.5</b>	<b>22</b>	<b>1</b>	<b>100</b>
<b>Min</b>	<b>12.5</b>	<b>35.0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>96</b>

**Annual 98<sup>th</sup> Percentile of the Daily Maximum 1-Hour Average Concentrations**

Year	2023	2024	2025	3-Year Average	Standard
98 <sup>th</sup> Percentile NO <sub>2</sub> (µg/m <sup>3</sup> )	195.0	159.2	147.1	167.1	79

Notes:

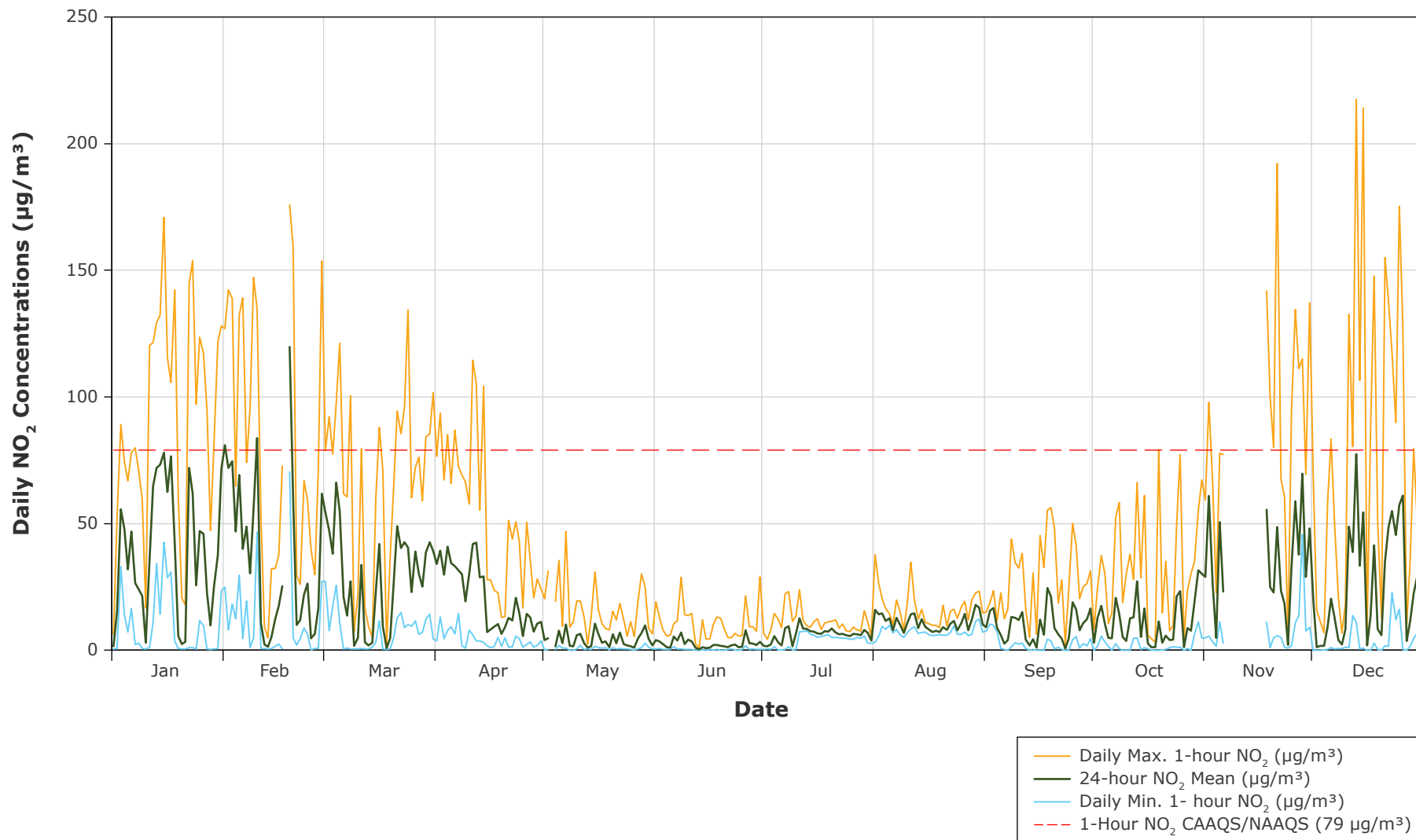
N/A: not applicable.

### 3.2.2 PORT SITE COMPLEX AMBIENT AIR QUALITY MONITORING STATION

#### 3.2.2.1 NITROGEN DIOXIDE

A summary of NO<sub>2</sub> data at PSC is presented in Table 3.2-2 for 2025 while maximum and minimum daily concentrations are shown in Figure 3.2-2.

FIGURE 3.2-2 PORT SITE COMPLEX AMBIENT AIR QUALITY STATION, DAILY NO<sub>2</sub> CONCENTRATIONS, 2025



**TABLE 3.2-2 PORT SITE COMPLEX AMBIENT AIR QUALITY STATION, MONTHLY NO<sub>2</sub> CONCENTRATIONS SUMMARY, 2025**

Month	Max NO <sub>2</sub> Daily Mean (µg/m <sup>3</sup> )	Daily Max 1-Hour NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily Min 1-Hour NO <sub>2</sub> (µg/m <sup>3</sup> )	No. of Daily Max 1-Hour Concentrations Above 79 µg/m <sup>3</sup>	No. of Days with Missing Data	Data Completeness (%)
Jan	77.9	170.9	0.4	19	0	100
Feb	119.8	175.8	0.1	11	1	96
Mar	66.3	134.4	0.4	13	0	100
Apr	42.5	114.4	0.9	6	0	100
May	10.5	46.9	0.0	0	1	97
Jun	7.9	29.0	0.0	0	0	100
Jul	12.6	23.9	0.2	0	0	100
Aug	17.9	37.7	3.2	0	0	100
Sep	24.5	56.3	0.0	0	0	100
Oct	31.6	79.1	0.0	1	0	100
Nov	69.8	192.1	0.8	10	11	63
Dec	77.4	217.4	0.0	15	0	100
<b>Mean</b>	<b>46.6</b>	<b>106.5</b>	<b>0.5</b>	<b>6.3</b>	<b>N/A</b>	<b>96</b>
<b>Max</b>	<b>119.8</b>	<b>217.4</b>	<b>3.2</b>	<b>19</b>	<b>11</b>	<b>100</b>
<b>Min</b>	<b>7.9</b>	<b>23.9</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>63</b>

**Annual 98<sup>th</sup> Percentile of the Daily Maximum 1-Hour Average Concentrations**

Year	2023	2024	2025	3-Year Average	Standard
98 <sup>th</sup> Percentile NO <sub>2</sub> (µg/m <sup>3</sup> )	157.4	161.4	155.0	157.9	79

Notes:

N/A Not applicable

For 2025, the highest daily maximum 1-hour concentration for NO<sub>2</sub> (217.4 µg/m<sup>3</sup>) was measured on February 19 with another measurement above 150 µg/m<sup>3</sup> on February 20. These two days were also of importance for SO<sub>2</sub> measurements, which could indicate the same source causing concentrations to increase. The 98<sup>th</sup> percentile of daily maximum 1-hour concentrations for 2025 was 155.0 µg/m<sup>3</sup>. The 98<sup>th</sup> percentile of daily maximum 1-hour concentrations for 2023 and 2024 are also shown in Table 3.2-2. Averaging for the years of 2023 to 2025 results in 157.9 µg/m<sup>3</sup>, which does result in an exceedance of NAAAQS and CAAQS standard of 79 µg/m<sup>3</sup>. There were 357 hours in 2025 where NO<sub>2</sub> concentrations were above 79 µg/m<sup>3</sup>, all occurring between January and mid-April, and late-October to December (Figure 3.2-2).

As for the maximum daily averages, winter months and shoulder seasons had considerably higher concentrations (3 to 8 times) than summer months. This is to be expected considering the combination of factors such as increased use of heating sources and winter atmospheric conditions (i.e., inversions) trapping emissions and reduced photooxidation processes. The highest daily average (119.8  $\mu\text{g}/\text{m}^3$ ) occurred on February 19.

The  $\text{NO}_2$  annual mean recorded at PSC was 18.9  $\mu\text{g}/\text{m}^3$ , which is lower than the NAAQS and CAAQS standard of 23  $\mu\text{g}/\text{m}^3$ . The highest monthly averages happened in January (39.9  $\mu\text{g}/\text{m}^3$ ) and February (37.7  $\mu\text{g}/\text{m}^3$ ). Most months had 100% data completeness with a few months above 95%. November 2025 had 63% data completeness due to technical issues with the analyzer, but was brought back online by ADV2 during calibration and maintenance during the same month.

### 3.2.2.2 SULPHUR DIOXIDE

A summary of  $\text{SO}_2$  data at PSC is presented in Table 3.2-3 for 2025 while maximum and minimum daily concentrations are plotted in Figure 3.2-3.

Measurements are available up to July 17 when the analyzer stopped working due to the monitor screen and computer failure. For 2025, the highest daily maximum 1-hour concentration for  $\text{SO}_2$  (14.3  $\mu\text{g}/\text{m}^3$ ) was measured on February 20. The 99<sup>th</sup> percentile of daily maximum 1-hour concentrations for 2025 was 12.3  $\mu\text{g}/\text{m}^3$ . The 99<sup>th</sup> percentile of daily maximum 1-hour concentrations for 2023 and 2024 are also shown in Table 3.2-3. All measurements for this metric were well below the NAAQS and CAAQS standard of 170  $\mu\text{g}/\text{m}^3$ . As for the maximum daily averages, values were below 10  $\mu\text{g}/\text{m}^3$  with the highest daily average (8.5  $\mu\text{g}/\text{m}^3$ ) occurring on February 19.

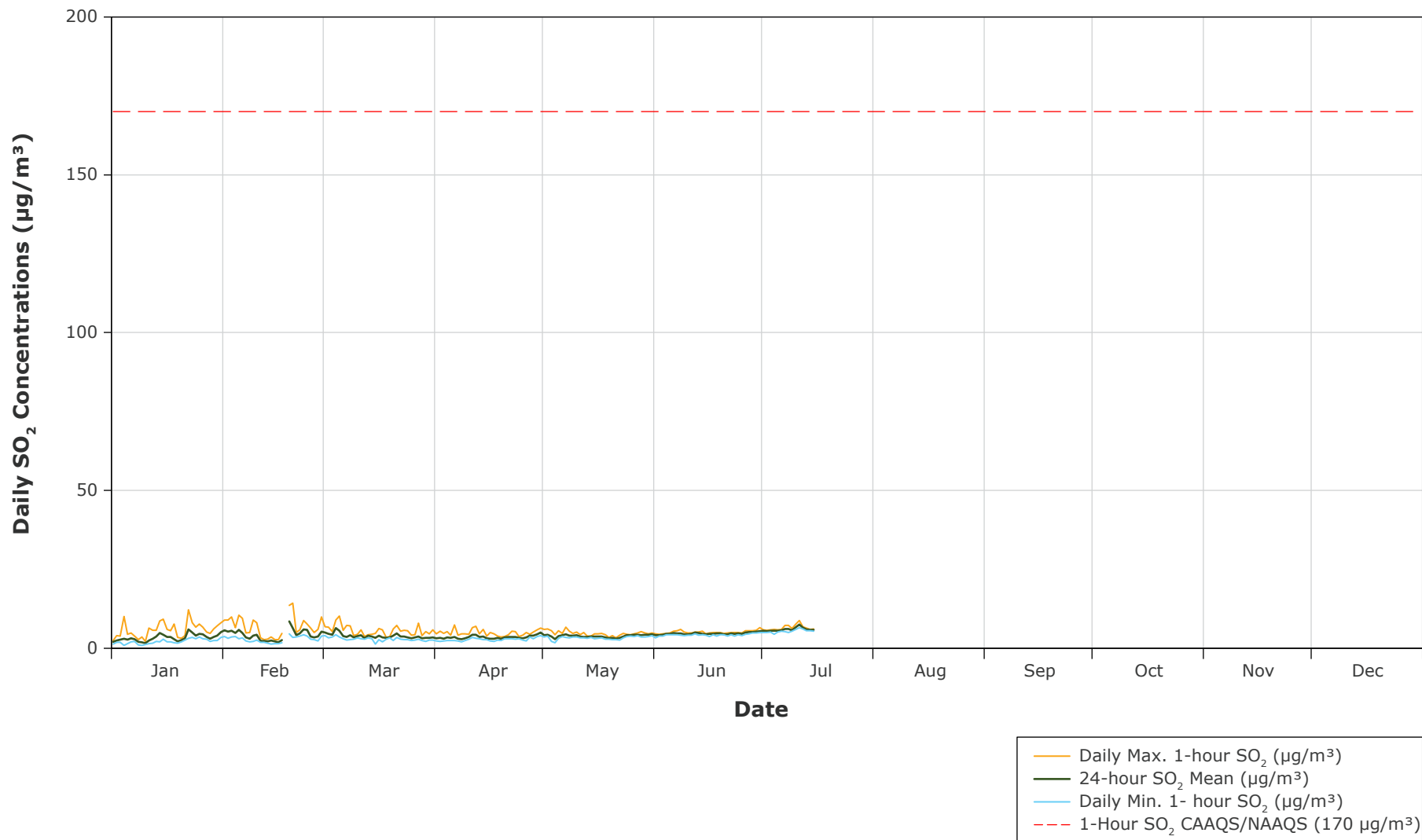
The  $\text{SO}_2$  annual mean recorded at PSC was 4.1  $\mu\text{g}/\text{m}^3$ , calculated based on data from January 1 to July 17, which is lower than the NAAQS and CAAQS standard of 10  $\mu\text{g}/\text{m}^3$ . The highest monthly averages happened in July (6.0  $\mu\text{g}/\text{m}^3$ ) and June (4.7  $\mu\text{g}/\text{m}^3$ ). All months, except February, preceding the July 17 shut down had 100% data completeness.

### 3.2.3 AEROQUAL AQS1 AMBIENT AIR QUALITY MONITORING STATIONS

At the Mine Site PDA, between November to December 2025, the maximum daily 1-hour concentration for  $\text{NO}_2$  (77.3  $\mu\text{g}/\text{m}^3$ ) and  $\text{SO}_2$  (7.8  $\mu\text{g}/\text{m}^3$ ) both happened on November 13. For  $\text{NO}_2$  the highest daily average of 27.8  $\mu\text{g}/\text{m}^3$  occurred on November 22 while for  $\text{SO}_2$  the highest daily average of 1.86  $\mu\text{g}/\text{m}^3$  occurred on November 18.

At the Milne Port PDA, between November to December 2025, the maximum daily 1-hour concentration for  $\text{NO}_2$  (72.4  $\mu\text{g}/\text{m}^3$ ) and  $\text{SO}_2$  (7.8  $\mu\text{g}/\text{m}^3$ ) also occurred on November 13. For  $\text{NO}_2$ , the highest daily average was 39.0  $\mu\text{g}/\text{m}^3$  while for  $\text{SO}_2$  the highest daily average was 0.98  $\mu\text{g}/\text{m}^3$ , both on November 17.

FIGURE 3.2-3 PORT SITE COMPLEX AMBIENT AIR QUALITY STATION, DAILY SO<sub>2</sub> CONCENTRATIONS, 2025



**TABLE 3.2-3 PORT SITE COMPLEX AMBIENT AIR QUALITY STATION, MONTHLY SO<sub>2</sub> CONCENTRATIONS SUMMARY, 2025**

Month	Max SO <sub>2</sub> Daily Mean (µg/m <sup>3</sup> )	Daily Max 1-Hour SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily Min. 1-Hour SO <sub>2</sub> (µg/m <sup>3</sup> )	No. of Daily Max 1-Hour Concentrations Above 170 µg/m <sup>3</sup>	No. of Days with Missing Data	Data Completeness (%)
Jan	5.9	12.2	0.9	0	0	100
Feb	8.5	14.3	1.3	0	1	96
Mar	6.4	10.2	1.3	0	0	100
Apr	5.0	7.4	2.0	0	0	100
May	4.5	6.7	1.8	0	0	100
Jun	5.3	6.5	3.4	0	0	100
Jul	7.5	8.8	4.4	0	16	48
Aug	N/A	N/A	N/A	N/A	31	0
Sep	N/A	N/A	N/A	N/A	30	0
Oct	N/A	N/A	N/A	N/A	31	0
Nov	N/A	N/A	N/A	N/A	30	0
Dec	N/A	N/A	N/A	N/A	31	0
<b>Mean</b>	<b>3.6</b>	<b>5.5</b>	<b>1.3</b>	<b>0</b>	<b>N/A</b>	<b>54</b>
<b>Max</b>	<b>8.5</b>	<b>14.3</b>	<b>4.4</b>	<b>0</b>	<b>31</b>	<b>100</b>
<b>Min</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Annual 99<sup>th</sup> Percentile of the Daily Maximum 1-Hour Average Concentrations**

Year	2023	2024	2025	3-Year Average	Standard
99 <sup>th</sup> Percentile SO <sub>2</sub> (µg/m <sup>3</sup> )	9.9	10.8	12.3	11.0	170

Notes:

N/A Not applicable

### 3.3 PARTICULATE MATTER RESULTS AND DISCUSSION

The results from the on-site TSP and PM<sub>2.5</sub> ambient air quality monitoring stations are presented in the sub-sections below for the January to December 2025 monitoring period. Daily data from January to December 2025 can be found in Appendix B.

### 3.3.1 MINE SITE COMPLEX AMBIENT AIR QUALITY MONITORING STATION

TSP concentrations recorded at MSC in 2025 are presented in Table 3.3-1, and daily concentrations are shown in Figure 3.3-1. Mean daily TSP concentrations ranged from 4.7  $\mu\text{g}/\text{m}^3$  on July 15 to 762.7  $\mu\text{g}/\text{m}^3$  on May 1. The maximum hourly TSP concentration of 985  $\mu\text{g}/\text{m}^3$  was observed in every month except November. The 2025 annual average concentration (127.3  $\mu\text{g}/\text{m}^3$ ) was lower than the 2024 value (149  $\mu\text{g}/\text{m}^3$ ). The 2025 annual geometric mean concentration was 70.2  $\mu\text{g}/\text{m}^3$ , which exceeded the annual NAAQS (Table 1.1-1). TSP data completeness exceeded 75% for all months except April (53%) and December (61%), with an overall data completeness of 86% in 2025.

Concentrations of  $\text{PM}_{2.5}$  at MSC in 2025 are summarized in Table 3.3-2 and shown in Figure 3.3-2. The mean daily  $\text{PM}_{2.5}$  concentrations ranged from 0.0  $\mu\text{g}/\text{m}^3$  in May and June to 562.2  $\mu\text{g}/\text{m}^3$  in December. The maximum hourly  $\text{PM}_{2.5}$  concentration of 985  $\mu\text{g}/\text{m}^3$  was observed in 2025, except only in December. The 98<sup>th</sup> percentile of the daily average  $\text{PM}_{2.5}$  concentration in 2025 was 166  $\mu\text{g}/\text{m}^3$  which exceeded the 24-hour average NAAQS and CAAQS value. The annual average  $\text{PM}_{2.5}$  concentration was 18.2  $\mu\text{g}/\text{m}^3$  which exceeded the annual NAAQS and CAAQS. The overall data completeness was 86% in 2025; however, the data completeness was below 75% in April (53%) and December (61%).

During the January to December 2025 reporting period, the TSP measured by the MSC air quality station exceeded the 24-hour NAAQS (120  $\mu\text{g}/\text{m}^3$ ) 117 times. The greatest number of 24-hour exceedances recorded in a month were in May (23), June (20) and April (14). There were no 24-hour exceedances in November. The next fewest number of exceedances were recorded in August (4), September and October (5 each).

Baffinland noted in the 2024 Annual Air Quality, Dustfall and Meteorology Report (Nunami Stantec Limited 2025) they will be investigating potential causes of data anomalies where measured TSP and  $\text{PM}_{2.5}$  concentrations at MSC do not match visual observations made by on-site staff. The instrument's maximum hourly TSP concentration reading of 985  $\mu\text{g}/\text{m}^3$  was observed in every month except November in 2025. Elevated TSP concentrations measured at the MSC ambient air quality monitoring station can be primarily attributed to station siting as the station is in proximity to several localized dust sources. Firstly, the TSP and  $\text{PM}_{2.5}$  analyzer intakes are on the roof adjacent to the exhaust from a diesel furnace, hot water tank, laundry and general building, which can directly influence particulate matter measurements due to proximity of sources, as well as vibrations on the inlet tube. In addition, the MSC ambient air quality monitoring station is located approximately 350 m northwest of the crusher pad and as near as 50 m from the frequently used main haul road (Figure 3.3-3). Wind direction data from the Mary River meteorological station indicate that winds during the monitoring period were predominantly from the southeast, directly aligning with the orientation of the crusher pad and main haul road to the MSC ambient air quality monitoring station.

TABLE 3.3-1 MINE SITE COMPLEX AMBIENT AIR QUALITY STATION, MONTHLY TSP CONCENTRATIONS SUMMARY, 2025

Month	Mean TSP Concentration ( $\mu\text{g}/\text{m}^3$ )	Daily Max TSP Concentration ( $\mu\text{g}/\text{m}^3$ )	Daily Min TSP Concentration ( $\mu\text{g}/\text{m}^3$ )	No. of 24-Hour Concentrations above $120 \mu\text{g}/\text{m}^3$	No. of Days with Missing Data	Data Completeness (%)	Mean TSP Concentration – Aeroqual 3236 ( $\mu\text{g}/\text{m}^3$ )
Jan	82.3	232.0	15.9	8	4	87.1	M
Feb	124.6	290.5	7.7	11	5	82.1	M
Mar	135.1	568.6	42.2	11	6	80.6	M
Apr	314.1	702.5	62.7	14	14	53.3	M
May	266.6	762.7	26.6	23	1	96.8	M
Jun	196.8	430.7	33.7	20	0	100	M
Jul	102.5	426.6	4.7	9	0	100	M
Aug	56.7	482.1	4.9	4	2	93.5	M
Sep	62.6	254.6	5.9	5	0	100	M
Oct	84.6	447.8	9.6	5	0	100	M
Nov	46.1	101.6	18.0	0	6	80.0	7.1
Dec	120.4	499.7	22.5	7	12	61.3	41.5
<b>Mean</b>	<b>127.3</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>29.3</b>
<b>Max</b>	<b>314.1</b>	<b>762.7</b>	<b>62.7</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Min</b>	<b>46.1</b>	<b>101.6</b>	<b>4.7</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>117</b>	<b>50</b>	<b>86.0</b>	<b>N/A</b>
<b>Geo Mean</b>	<b>70.2</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

Notes:

N/A: Not applicable.

M: Missing data.

TABLE 3.3-2 MINE SITE COMPLEX AMBIENT AIR QUALITY STATION, MONTHLY PM<sub>2.5</sub> CONCENTRATIONS SUMMARY, 2025

Month	Mean PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	Daily Max PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	Daily Min PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	No. of 24-Hour Concentrations above 27 µg/m <sup>3</sup>	No. of Days with Missing Data	Data Completeness (%)	Mean PM <sub>2.5</sub> Concentration – Aeroqual 3236 (µg/m <sup>3</sup> )
Jan	19.1	58.3	3.4	7	4	87.1	M
Feb	58.4	284.4	8.4	16	5	82.1	M
Mar	75.5	255.4	19.6	22	6	80.6	M
Apr	9.5	30.5	0.9	1	14	53.3	M
May	6.1	26.2	0.0	0	1	96.8	M
Jun	2.3	6.3	0.0	0	0	100	M
Jul	2.7	10.4	0.3	0	0	100	M
Aug	2.2	12.6	0.7	0	7	77.4	M
Sep	1.5	3.6	0.2	0	0	100	M
Oct	2.0	4.2	0.3	0	0	100	M
Nov	4.0	25.1	0.7	0	6	80.0	1.4
Dec	60.9	562.2	2.1	3	12	61.3	4.6
<b>Mean</b>	<b>20.4</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>3.4</b>
<b>Max</b>	<b>75.5</b>	<b>562.2</b>	<b>19.6</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Min</b>	<b>1.5</b>	<b>3.6</b>	<b>0.0</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>49</b>	<b>55</b>	<b>84.9</b>	<b>N/A</b>

Notes:

N/A: Not applicable.

M: Missing data.

FIGURE 3.3-1 MINE SITE COMPLEX AMBIENT AIR QUALITY STATION, DAILY TSP CONCENTRATIONS, 2025

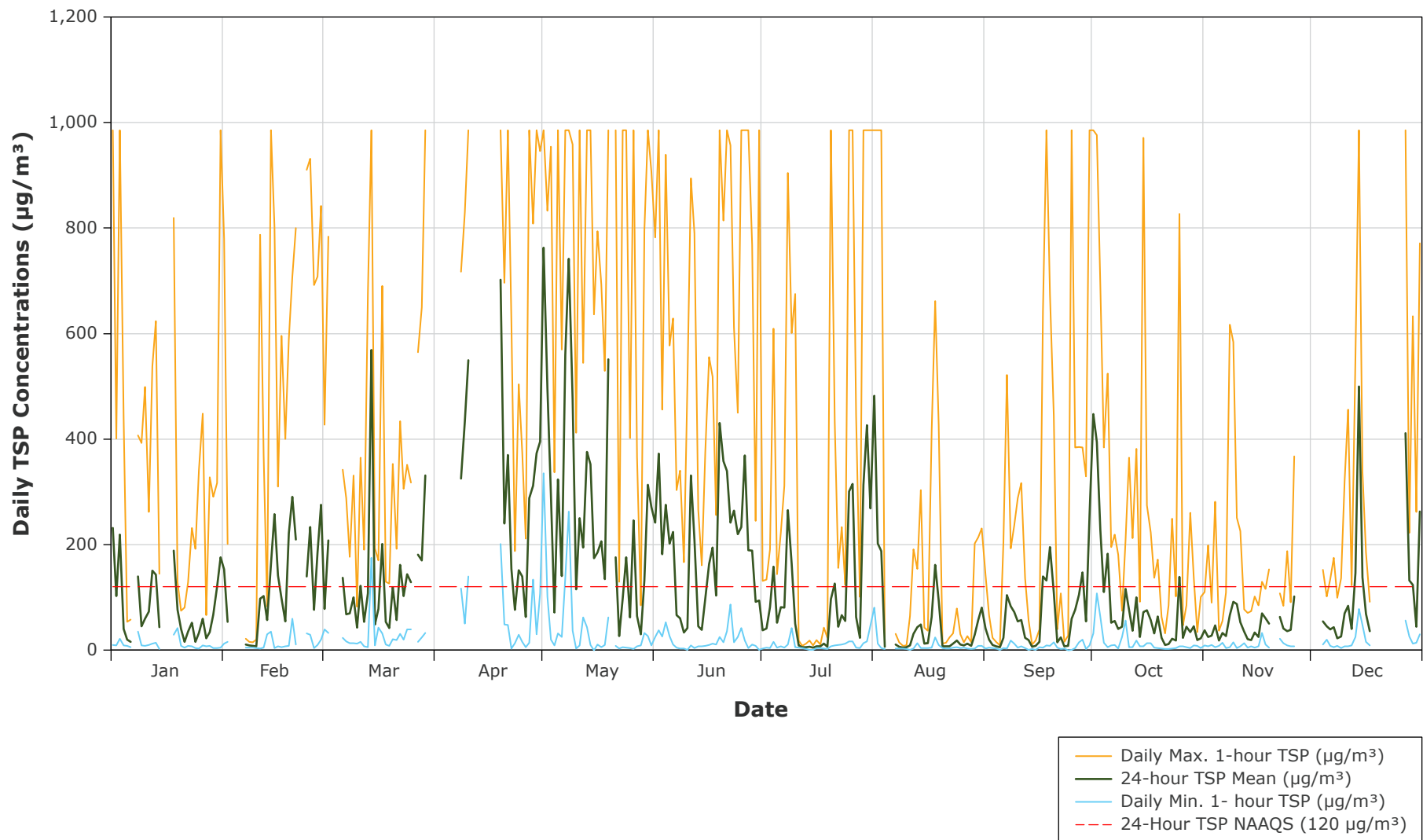
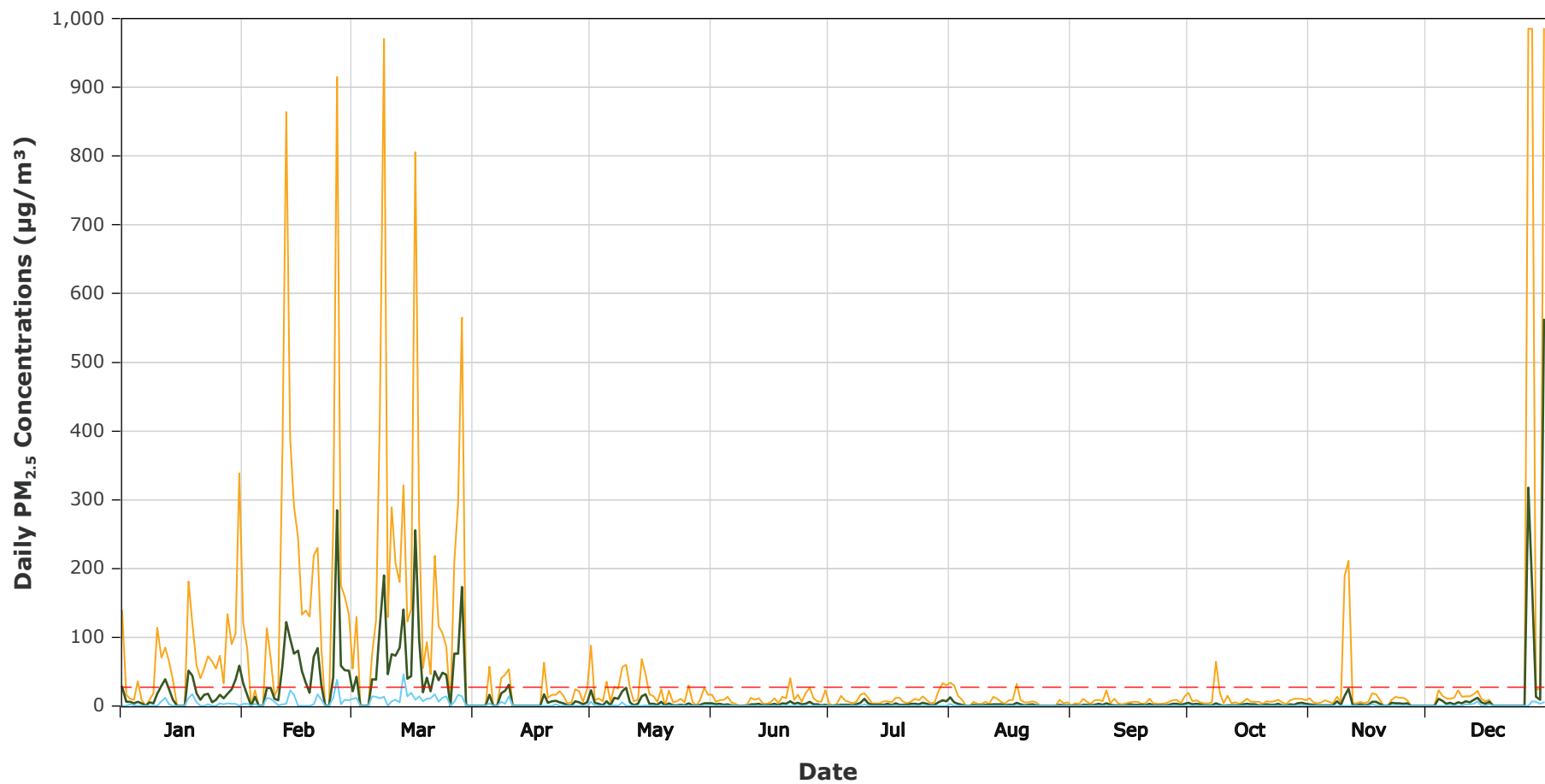


FIGURE 3.3-2 MINE SITE COMPLEX AMBIENT AIR QUALITY STATION, DAILY PM<sub>2.5</sub> CONCENTRATIONS, 2025

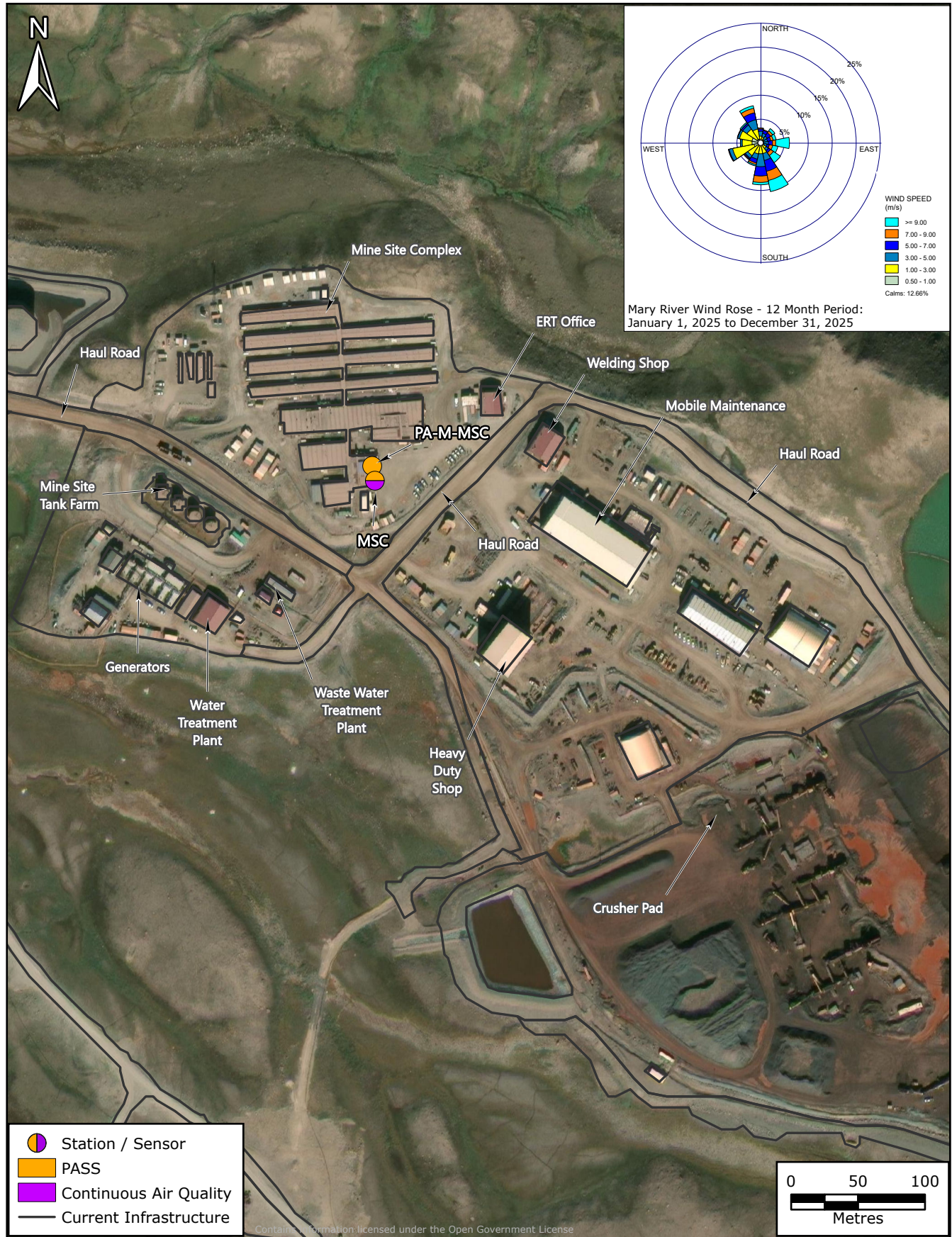


Note: Gaps indicate missing data

- Daily Max. 1-hour PM<sub>2.5</sub> (µg/m<sup>3</sup>)
- 24-hour PM<sub>2.5</sub> Mean (µg/m<sup>3</sup>)
- Daily Min. 1-hour PM<sub>2.5</sub> (µg/m<sup>3</sup>)
- - - 24-Hour PM<sub>2.5</sub> CAAQS/NAAQS (27 µg/m<sup>3</sup>)



**FIGURE 3.3-3 LOCATION OF THE MINE SITE COMPLEX  
AMBIENT AIR QUALITY STATION AND DUST SOURCES**



The factors identified likely contributed to the elevated particulate matter concentrations at the location of the MSC. The station is situated within the PDA due to the technology, power, and environmental constraints at the time of station installation, rather than at the PDA boundary, which would be more appropriate to site the monitor, as outlined in the AQNAMP.

An Aeroqual AQS1 unit was installed closer to the PDA boundary at the Mine Site in November 2025 and began collecting particulate matter data in November and December. The Aeroqual AQS1 unit is not subject to the same location constraints as the analyzers at MSC and is appropriately sited near the PDA boundary. This siting is more appropriate/in alignment with regulatory compliance monitoring. Indeed, the comparatively lower TSP concentrations recorded by the Aeroqual AQS1 unit at the Mine Site PDA boundary (Aeroqual3236) as shown in Table 3.3-1 and Table 3.3-2 support the assessment that the MSC siting is likely leading to elevated concentrations.

### 3.3.2 PORT SITE COMPLEX AMBIENT AIR QUALITY MONITORING STATION

TSP concentrations recorded at the PSC in 2025 are presented in Table 3.3-3, and daily concentrations are shown in Figure 3.3-4. TSP data completeness was above 75% for all months except February (61%), May (74%) and June (70%). The overall data completeness in 2025 was 88%. Mean daily TSP concentrations ranged from 1.5  $\mu\text{g}/\text{m}^3$  on June 13 to 124  $\mu\text{g}/\text{m}^3$  on May 5.

The maximum daily TSP concentration of 124.0  $\mu\text{g}/\text{m}^3$  was recorded in May. The annual average in 2025 was (15.6  $\mu\text{g}/\text{m}^3$ ) higher than in 2024 (11.8  $\mu\text{g}/\text{m}^3$ ). The annual geometric mean concentration in 2025 was 10.3  $\mu\text{g}/\text{m}^3$ , which was lower than the annual NAAQS (Table 1.1-1).

During the reporting period from January to December 2025, the PSC station exceeded the 24-hour NAAQS standard for TSP (120  $\mu\text{g}/\text{m}^3$ ) only one time (May 5). TSP concentrations at PSC were comparatively lower than at MSC. TSP concentrations were lowest during fall months, gradually increased through the winter, and reached their highest in the spring and early summer, reflecting seasonal dust generation and operational activities.

Continuous  $\text{PM}_{2.5}$  measurements at PSC in 2025 showed low concentrations throughout the year. Monthly mean  $\text{PM}_{2.5}$  ranged from 3.3  $\mu\text{g}/\text{m}^3$  in June to 18.3  $\mu\text{g}/\text{m}^3$  in January, with an annual mean of 8.6  $\mu\text{g}/\text{m}^3$  (Table 3.3-4). Short-term variability was evident in the daily maximum hourly values (Figure 3.3-5), which spanned between 12.0 and 108.0  $\mu\text{g}/\text{m}^3$  across the year, while daily minimum hourly concentrations were 0.0  $\mu\text{g}/\text{m}^3$  in all months.

In the context of air quality and environmental regulation, an excursion refers to a temporary concentration above a standard, but it is not an exceedance considering the standard metric (e.g., percentile or averaging period). There were no daily excursions above the 24-hour  $\text{PM}_{2.5}$  standard of 27  $\mu\text{g}/\text{m}^3$  recorded in 2025, the 98<sup>th</sup> percentile of the daily average concentration was 9.7  $\mu\text{g}/\text{m}^3$ , and the annual mean (3.6  $\mu\text{g}/\text{m}^3$ ) remained well below the annual standard adopted in Nunavut and Canada (8.8  $\mu\text{g}/\text{m}^3$  for 2020, tightening to 8.0  $\mu\text{g}/\text{m}^3$  by 2030 for CAAQS). These results indicate that, despite hourly peaks, 24-hour averages at PSC remained in conformance with applicable objectives/standards in 2025. Further, similar to MSC, the Aeroqual AQS1 located near the PDA boundary at Milne Port (Aeroqual3297), as shown in Table 3.3-3 and Table 3.3-4, suggests that PSC station siting near Project activities led to elevated concentrations.

FIGURE 3.3-4 PORT SITE COMPLEX AMBIENT AIR QUALITY STATION, DAILY TSP CONCENTRATIONS, 2025

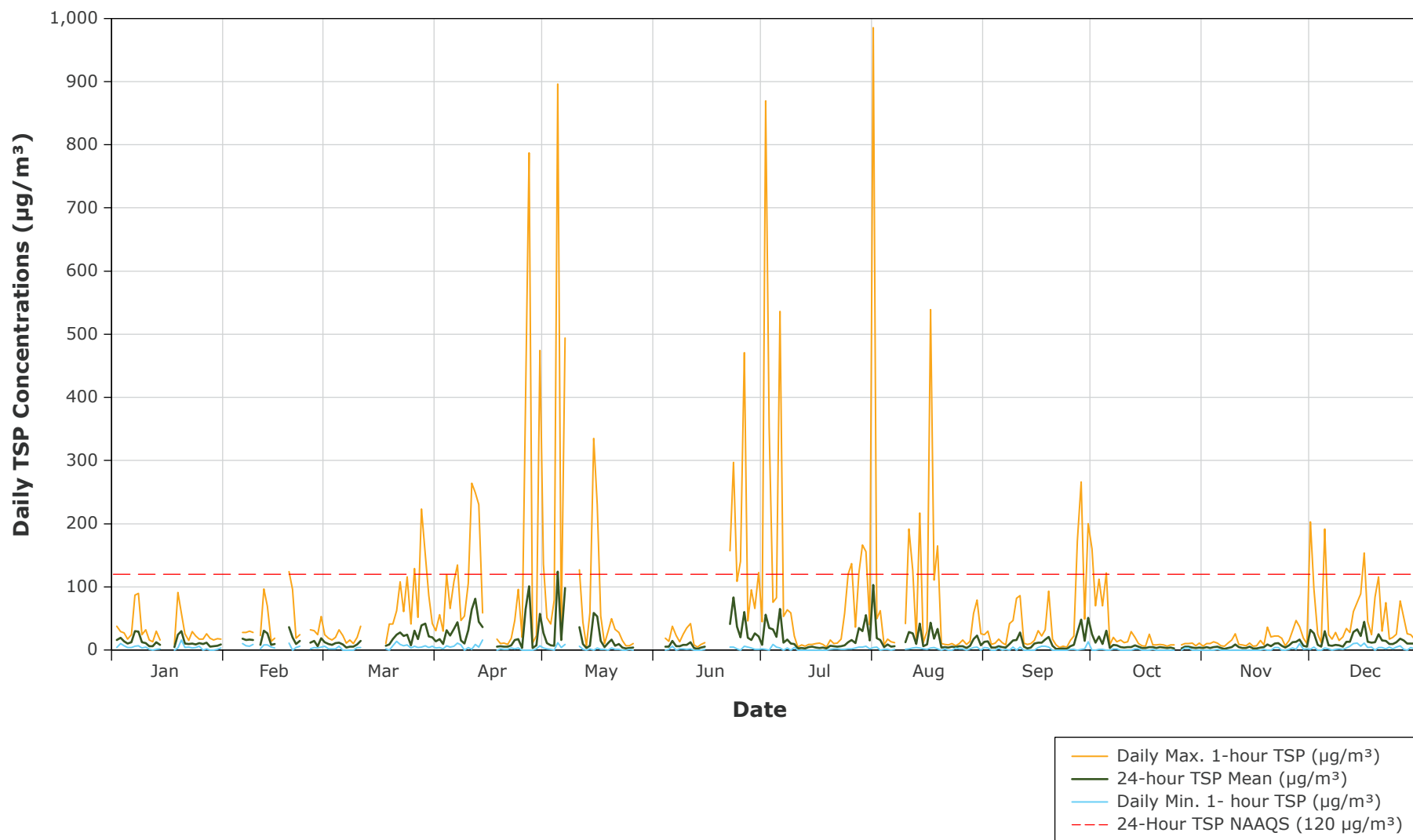


TABLE 3.3-3 PORT SITE COMPLEX AMBIENT AIR QUALITY STATION, MONTHLY TSP CONCENTRATIONS SUMMARY, 2025

Month	Mean TSP Concentration ( $\mu\text{g}/\text{m}^3$ )	Max Hourly TSP Concentration ( $\mu\text{g}/\text{m}^3$ )	Min. Hourly TSP Concentration ( $\mu\text{g}/\text{m}^3$ )	No. of 24-Hour Concentrations above $120 \mu\text{g}/\text{m}^3$	No. of Days with Missing Data	Data Completeness (%)	Mean TSP Concentration – Aeroqual 3297 ( $\mu\text{g}/\text{M}^3$ )
Jan	12.7	29.9	4.3	0	4	87	M
Feb	16.6	36.3	6.3	0	11	61	M
Mar	16.4	42.0	4.2	0	6	81	M
Apr	28.0	100.8	3.0	0	3	90	M
May	23.3	124.0	2.2	1	8	74	M
Jun	19.3	83.1	1.5	0	9	70	M
Jul	16.3	64.9	2.3	0	0	100	M
Aug	16.6	102.9	2.9	0	2	94	M
Sep	12.5	51.3	1.8	0	0	100	M
Oct	7.0	30.7	2.3	0	1	97	M
Nov	6.1	16.9	2.1	0	0	100	5.1
Dec	16.3	45.0	5.3	0	0	100	7.8
<b>Mean</b>	<b>15.6</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>6.9</b>
<b>Max</b>	<b>28.0</b>	<b>124.0</b>	<b>6.3</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Min</b>	<b>6.1</b>	<b>16.9</b>	<b>1.5</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>1</b>	<b>44</b>	<b>88</b>	<b>N/A</b>
<b>Geo Mean</b>	<b>10.3</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

Notes:

N/A: Not applicable.

M: Missing data.

TABLE 3.3-4 PORT SITE COMPLEX AMBIENT AIR QUALITY STATION, MONTHLY PM<sub>2.5</sub> CONCENTRATIONS SUMMARY, 2025

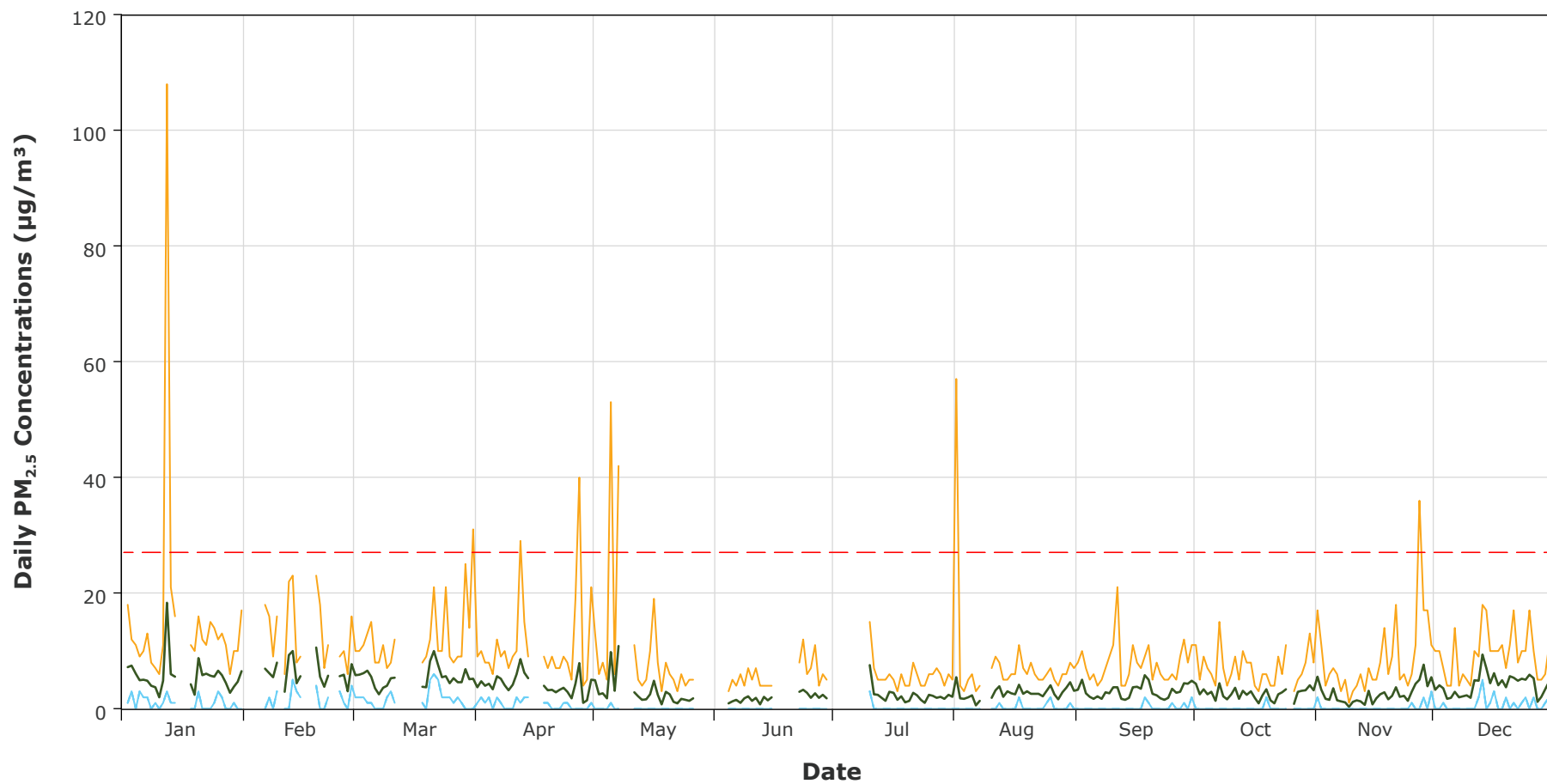
Month	Mean PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	Max Hourly PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	Min Hourly PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	No. of 24-Hour Concentrations above 27 µg/m <sup>3</sup>	No. of Days with Missing Data	Data Completeness (%)	Mean PM <sub>2.5</sub> Concentration – Aeroqual 3297 (µg/M <sup>3</sup> )
Jan	5.7	18.3	2.0	0	4	87	M
Feb	6.3	10.6	3.0	0	11	61	M
Mar	5.4	10.0	2.5	0	6	81	M
Apr	4.2	8.5	1.1	0	3	90	M
May	3.0	10.9	0.8	0	8	74	M
Jun	1.9	3.3	0.8	0	10	67	M
Jul	2.3	7.5	1.0	0	9	71	M
Aug	2.8	5.5	0.6	0	2	94	M
Sep	3.1	5.8	1.5	0	0	100	M
Oct	2.6	4.4	0.8	0	1	97	M
Nov	2.6	7.7	0.3	0	0	100	1.5
Dec	4.3	10.4	1.2	0	0	100	4.6
<b>Mean</b>	<b>3.6</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>3.6</b>
<b>Max</b>	<b>6.3</b>	<b>18.3</b>	<b>3.0</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Min</b>	<b>1.9</b>	<b>3.3</b>	<b>0.3</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>0</b>	<b>54</b>	<b>85</b>	<b>N/A</b>

Notes:

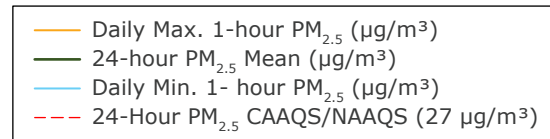
N/A: Not applicable.

M: Missing data.

FIGURE 3.3-5 PORT SITE COMPLEX AMBIENT AIR QUALITY STATION, DAILY PM<sub>2.5</sub> CONCENTRATIONS, 2025



Note: Gaps indicate missing data



Data completeness for PSC PM<sub>2.5</sub> met or exceeded 95% in most months but was lowest in February (60.7%), June (66.7%), and May (74.2%); September, November, and December achieved 100% completeness. In total, there were 54 days with missing data and annual completeness was 85.0%.

A modest seasonal pattern is evident, with higher monthly means in late winter and early spring and lower values in summer and early fall, consistent with cold-season conditions and operations influencing short-term peaks while not materially affecting daily-average compliance.

### 3.3.3 DUSTFALL

Dustfall monitoring was conducted in 2025 at 28 to 31-day sample collection intervals. Dustfall data are presented and reported in the TEAMR (Environmental Dynamics Inc. 2026).

## 3.4 SUMMARY OF COMPARISON OF 2025 MONITORING WITH FEIS PREDICTIONS

The 2025 ambient air quality monitoring results at MSC and PSC are compared to air dispersion modelling results in the 2012 Final Environmental Impact Statement (FEIS) and the 2013 FEIS Addendum for the Mary River Project. The most recently completed air dispersion modelling completed for the Mary River Project is found in the 2013 FEIS Addendum, which included activities at the Mine Site (loading ore into trucks, ore haulage truck fleet and maintenance facilities) and at Milne Port (e.g., ore stockpiling and loading onto ships) and ore haulage along the Tote Road.

SO<sub>2</sub> was not modelled in the FEIS or the FEIS Addendum and the comparison will be focused on NO<sub>2</sub> and particulate matter (Baffinland FEIS, Volume 5, Atmospheric Environment 2012).

The measured 1-hour maximum NO<sub>2</sub> concentration at the MSC in 2025 was 198.4 µg/m<sup>3</sup>. In comparison, the FEIS Addendum air dispersion model predicted maximum 1-hour concentration at the same MSC location was greater, at over 500 µg/m<sup>3</sup>. The measured 1-hour maximum NO<sub>2</sub> concentration at the PSC was 217.4 µg/m<sup>3</sup>, which is above the FEIS Addendum air dispersion model predicted maximum 1-hour NO<sub>2</sub> concentration at the Milne Port accommodations building at up to 150 µg/m<sup>3</sup>.

The maximum 24-hour average TSP and PM<sub>2.5</sub> concentrations recorded at the MSC in 2025 were 762.7 and 562.2 µg/m<sup>3</sup>, respectively. In the FEIS Addendum, the maximum predicted 24-hour average TSP concentration in at the MSC ambient air quality monitoring was greater than 3,000 µg/m<sup>3</sup>, while the predicted 24-hour average PM<sub>2.5</sub> concentration was between 100 and 500 µg/m<sup>3</sup>. The 2025 measured 24-hour average maximum TSP concentrations at MSC are similar in magnitude with the air dispersion model predictions for the Mine Site accommodations building; however, there is less agreement for PM<sub>2.5</sub>. As discussed in section 3.3.1, the high TSP concentrations in the monitoring data are likely due to the station's proximity to sources, as well as vibrations on the inlet tube. Further, higher PM<sub>2.5</sub> concentrations can potentially be attributed to sources such as the diesel furnace, hot water tank, laundry and general building exhaust that was not considered in the FEIS Addendum.

The measured 24-hour average maximum TSP concentrations at the PSC in 2025 was  $124.0 \mu\text{g}/\text{m}^3$ , and  $\text{PM}_{2.5}$  concentrations was to up  $18.3 \mu\text{g}/\text{m}^3$ . Compared to the FEIS Addendum, the air dispersion model predicted maximum 24-hour average TSP concentration at the Milne Port accommodations building was between 50 and  $120 \mu\text{g}/\text{m}^3$ , while the range was between 10 to  $30 \mu\text{g}/\text{m}^3$  for 24-hour average  $\text{PM}_{2.5}$  concentrations. The measured TSP concentrations at PSC in 2025 slightly greater than the air dispersion model predicted concentrations in the FEIS Addendum for the Milne Port accommodations building; moreover, FEIS Addendum air dispersion model predictions are similar to the monthly mean measured at PSC, between 6.1 and  $28.0 \mu\text{g}/\text{m}^3$ .

## 4. SUMMARY AND RECOMMENDATIONS

The 2025 air quality, dustfall, and meteorology monitoring program for the Project provides a comprehensive assessment of meteorological conditions and ambient air quality across the Mine Site, Milne Port, and surrounding areas. Monitoring was carried out in accordance with the requirements of Project Certificate No. 005 and compared against the NAAQS and CAAQS. The data collected in 2025 offers insight into year-to-year variability, operational influences, and emerging trends relevant to environmental performance and regulatory compliance.

Meteorological measurements from the three automated meteorological stations—Mary River, Milne Port, and Steensby Port indicated that temperatures in 2025 were generally warmer than the 1991–2020 Climate Normals for most of the year. Rainfall was above historic averages in 2025, and totals at Mary River and Milne Port exceeded those recorded at the Pond Inlet Airport meteorological station, particularly during July and August. Wind speeds were consistently higher than regional Climate Normals, with prevailing winds from the north-northwest and southwest depending on the season. Solar radiation peaked in June, with notably higher annual values at the Mary River station compared to Milne Port. Collectively, these conditions influenced the dispersion and transport of gases and particulate matter throughout the year.

A summary of the ambient air quality monitoring results are presented in Table 4-1. Continuous ambient air quality monitoring at the MSC and PSC captured concentrations of NO<sub>2</sub>, SO<sub>2</sub>, TSP, and PM<sub>2.5</sub>. At the MSC, the SO<sub>2</sub> analyzer was non-operational for all of 2025. NO<sub>2</sub> concentrations, however, were elevated during the winter and shoulder seasons, with the highest one-hour value recorded in November. The NO<sub>2</sub> 1-hour metric exceeded the applicable NAAQS and CAAQS, and the annual mean concentration was also above the NAAQS and CAAQS annual limit. These patterns reflect the influence of wintertime atmospheric inversions, increased combustion sources, and the proximity of the MSC station to industrial activity. In contrast, SO<sub>2</sub> concentrations at PSC remained below applicable standards prior to the mid-July analyzer failure. PSC NO<sub>2</sub> concentrations also exhibited winter peaks, and the 1-hour NO<sub>2</sub> metric exceeded the NAAQS and CAAQS, although the annual mean concentration remained below the standards.

Particulate matter measurements at MSC reflected the stations location within an active industrial zone, where TSP concentrations were frequently elevated, including with 117 exceedances of the 24-hour NAAQS. PM<sub>2.5</sub> concentrations at MSC were also above the annual standard, with numerous daily averages above the 24-hour limit. These results were largely attributable to emission sources including the crusher pad, haul roads, and building exhausts, as well as winter conditions that hinder effective dust suppression. At the PSC, particulate concentrations were notably lower with one 24-hour TSP exceedance recorded, and PM<sub>2.5</sub> concentrations below both the 24-hour and annual NAAQS and CAAQS throughout the year. Seasonal variability was observed, with slightly higher PM<sub>2.5</sub> concentrations in late winter and early spring, and the lowest values occurring during summer and early fall.

TABLE 4-1 SUMMARY OF BAFFINLAND AMBIENT AIR QUALITY, 2025

Contaminant	Averaging Period	NAAQS ( $\mu\text{g}/\text{m}^3$ ) <sup>a, b, c</sup>	Mine Site Complex			Port Site Complex		
			Comparison to NAAQS (Metric Based) ( $\mu\text{g}/\text{m}^3$ )	No. of Instances of NAAQS Exceedance	No. of Hourly Measurements Above the NAAQS Value	Comparison to NAAQS (Metric Based) ( $\mu\text{g}/\text{m}^3$ )	No. of Instances of NAAQS Exceedance	No. of Hourly Measurements Above the NAAQS Value
NO <sub>2</sub>	1-hour	79 <sup>d</sup>	167.1 <sup>d</sup>	1/1	804	157.9 <sup>d</sup>	1/1	357
	Annual	23 <sup>e</sup>	26.1 <sup>e</sup>	1/1	2,952	18.9 <sup>e</sup>	0/1	2,073
SO <sub>2</sub>	1-hour	170 <sup>f</sup>	N/A	N/A	N/A	11.0 <sup>f</sup>	0/1	0
	Annual	10 <sup>e</sup>	N/A	N/A	N/A	4.1 <sup>o</sup>	0/1	16
TSP	24-hour	120 <sup>g</sup>	4.7 - 763 <sup>k</sup>	117/315 <sup>n</sup>	2,242	1.5 - 124 <sup>k</sup>	1/321 <sup>n</sup>	117
	Annual	60 <sup>h</sup>	70.2 <sup>h</sup>	1/1	3,413	10.3 <sup>h</sup>	0/1	319
PM <sub>2.5</sub>	24-hour	27 <sup>i</sup>	166 <sup>l</sup>	1/1	1,048	9.7 <sup>l</sup>	0/1	16
	Annual	8.0 <sup>j</sup>	18.2 <sup>m</sup>	1/1	2,675	3.8 <sup>m</sup>	0/1	761

Notes:

N/A indicates data are not available.

<sup>a</sup> CCME 2025. <sup>b</sup> GN 2023. <sup>c</sup> GN 2011.

<sup>d</sup> The 3-year average of the annual 98<sup>th</sup> percentile of the daily maximum 1-hour average concentrations.

<sup>e</sup> The average over a single calendar year of all 1-hour average concentrations.

<sup>f</sup> The 3-year average of the annual 99<sup>th</sup> percentile of the daily maximum 1-hour average concentrations.

<sup>g</sup> The 24-hour average is based on arithmetic mean.

<sup>h</sup> The annual average is based on geometric mean.

<sup>i</sup> The 3-year average of the annual 98<sup>th</sup> percentile of the daily 24-hour average concentrations.

<sup>j</sup> The 3-year average of the annual average of the daily 24-hour concentrations.

<sup>k</sup> The maximum 24-hour average based on arithmetic mean of 1-hour average concentrations over a single calendar year.

<sup>l</sup> The 98<sup>th</sup> percentile of daily 24-hour average concentrations, calculated based on less than 3 years of data because at least one previous year has less than 75% data completeness, therefore not applicable for direct comparison with the NAAQS.

<sup>m</sup> Calculated based on less than 3 years of data because at least one previous year has less than 75% data completeness, therefore not applicable for direct comparison with the NAAQS.

<sup>n</sup> The total number of possible exceedances were calculated with invalid days removed.

<sup>o</sup> Calculated based on less than 75% data completeness in 2025, therefore not applicable for direct comparison with the NAAQS.

To improve coverage of true ambient conditions outside the PDA boundary, two Aeroqual AQS1 monitors were installed at the PDA boundary in November 2025. These units recorded substantially lower concentrations of NO<sub>2</sub>, SO<sub>2</sub>, TSP, and PM<sub>2.5</sub> compared to MSC and PSC, confirming that the existing in-PDA monitoring stations are strongly influenced by localized operational emissions rather than regional air quality. Their deployment will form an increasingly important component for future reporting.

Dustfall monitoring was conducted on monthly intervals, and the detailed results are provided in the TEAMR. Together, the 2025 monitoring dataset demonstrates that while certain stations continue to reflect operational influences and seasonal challenges, air quality measured at appropriately sited stations at the PDA boundary better reflect ambient air conditions.

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# APPENDIX A      SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA AT MARY RIVER, MILNE PORT, AND STEENSBY PORT METEOROLOGICAL STATIONS

TABLE A1: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MARY RIVER (MINE SITE)

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-01-01	-18.0	-23.5	-13.3	74.0	4.9	16.8	0.0	0.0
2025-01-02	-23.4	-31.8	-15.7	64.8	4.7	13.5	0.0	0.0
2025-01-03	-31.9	-34.7	-25.7	54.1	2.6	8.9	0.0	0.0
2025-01-04	-32.7	-34.7	-29.8	54.6	1.9	4.8	0.0	0.0
2025-01-05	-29.6	-34.6	-23.3	59.5	1.6	4.1	0.0	0.0
2025-01-06	-25.1	-30.1	-21.7	75.0	1.6	5.8	0.0	0.0
2025-01-07	-38.1	-43.6	-30.0	57.7	0.7	3.6	0.1	0.0
2025-01-08	-35.8	-42.2	-32.4	60.0	4.2	9.6	0.1	0.0
2025-01-09	-27.2	-32.4	-24.1	71.9	0.8	3.0	0.0	0.0
2025-01-10	-29.8	-34.2	-26.4	67.9	1.1	3.8	0.0	0.0
2025-01-11	-33.3	-37.1	-29.6	63.7	0.9	4.1	0.1	0.0
2025-01-12	-34.5	-39.3	-30.2	61.7	0.6	3.0	0.1	0.0
2025-01-13	-32.5	-39.1	-27.0	64.9	0.4	2.4	0.0	0.0
2025-01-14	-30.2	-34.3	-26.7	67.7	0.7	3.1	0.1	0.0
2025-01-15	-38.5	-45.0	-31.5	57.3	0.3	2.3	0.1	0.0
2025-01-16	-42.7	-46.2	-37.5	52.4	0.1	1.7	0.1	0.0
2025-01-17	-41.6	-45.7	-37.0	53.2	0.4	3.3	0.2	0.0
2025-01-18	-29.6	-41.1	-26.5	53.3	3.4	12.0	0.2	0.0
2025-01-19	-25.2	-28.0	-21.3	52.4	10.4	16.9	0.4	0.0
2025-01-20	-16.0	-22.0	-10.1	63.9	9.2	17.6	0.6	0.0
2025-01-21	-12.4	-16.7	-7.9	65.1	4.8	18.9	0.7	0.0
2025-01-22	-17.1	-22.4	-13.9	63.8	7.3	17.6	0.7	0.0
2025-01-23	-21.2	-25.5	-17.5	64.1	3.6	11.3	0.9	0.0
2025-01-24	-21.5	-24.3	-19.5	75.4	1.4	4.5	0.8	0.0
2025-01-25	-26.3	-30.2	-21.7	71.3	1.5	5.2	1.0	0.0
2025-01-26	-29.0	-33.1	-22.5	68.7	1.1	8.4	1.1	0.0
2025-01-27	-22.6	-27.7	-15.5	61.9	3.7	13.5	1.4	0.0
2025-01-28	-17.3	-22.7	-11.6	64.7	2.9	10.1	1.2	0.0
2025-01-29	-22.8	-26.1	-13.0	69.1	2.0	8.9	2.7	0.0
2025-01-30	-24.7	-31.4	-15.7	67.9	2.3	12.0	2.2	0.0
2025-01-31	-31.6	-35.1	-20.1	64.9	1.4	6.6	3.3	0.0

TABLE A1: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MARY RIVER (MINE SITE)

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-02-01	-37.2	-39.2	-33.6	58.5	0.4	2.6	3.9	0.0
2025-02-02	-38.7	-42.1	-35.6	56.5	0.2	1.6	3.7	0.0
2025-02-03	-40.4	-43.1	-36.7	54.4	0.2	2.5	2.7	0.0
2025-02-04	-39.2	-41.9	-36.1	55.9	0.3	2.2	2.6	0.0
2025-02-05	-38.9	-42.9	-35.7	55.9	0.3	2.1	3.9	0.0
2025-02-06	-38.3	-43.6	-34.5	56.8	0.3	1.6	2.8	0.0
2025-02-07	-34.6	-38.8	-32.0	61.3	0.3	1.9	4.8	0.0
2025-02-08	-34.3	-39.8	-30.3	61.7	0.8	3.3	4.6	0.0
2025-02-09	-34.6	-40.5	-30.3	61.3	0.8	3.7	5.1	0.0
2025-02-10	-37.7	-40.8	-34.7	57.2	0.2	1.6	6.3	0.0
2025-02-11	-28.9	-37.4	-17.4	60.1	3.9	17.8	8.1	0.0
2025-02-12	-11.1	-18.5	-3.2	57.3	8.8	25.4	6.7	0.0
2025-02-13	-3.6	-10.4	-1.2	57.3	10.1	20.1	11.5	0.0
2025-02-14	-4.9	-15.8	1.0	65.9	6.9	18.2	8.6	0.0
2025-02-15	-18.7	-20.9	-15.7	80.3	3.7	12.0	8.7	0.0
2025-02-16	-20.9	-25.2	-10.2	75.2	3.4	11.7	21.0	0.0
2025-02-17	-16.2	-22.1	-6.1	66.1	3.1	11.2	17.4	0.0
2025-02-18	-20.4	-23.4	-15.0	69.4	2.2	5.7	23.1	0.0
2025-02-19	-17.3	-23.2	-13.9	66.5	4.7	9.8	24.6	0.0
2025-02-20	-23.7	-28.4	-17.3	69.2	2.9	10.4	24.1	0.0
2025-02-21	-29.3	-34.9	-22.8	66.0	3.5	7.0	19.4	0.0
2025-02-22	-34.9	-38.5	-32.7	58.5	1.5	6.6	19.6	0.0
2025-02-23	-37.5	-40.5	-34.4	55.6	0.3	2.1	14.6	0.0
2025-02-24	-38.0	-41.6	-31.5	52.1	1.0	11.2	15.3	0.0
2025-02-25	-25.5	-31.9	-22.7	57.8	11.9	21.5	23.3	0.0
2025-02-26	-21.8	-25.6	-17.4	47.7	6.9	18.2	32.7	0.0
2025-02-27	-23.8	-26.8	-18.9	64.1	1.7	5.5	22.1	0.0
2025-02-28	-26.3	-29.0	-22.9	68.1	2.9	9.3	43.9	0.0
2025-03-01	-29.4	-34.7	-25.6	62.7	1.4	7.3	44.9	0.0
2025-03-02	-28.8	-35.8	-23.6	66.7	1.5	6.0	27.3	0.0
2025-03-03	-26.6	-31.0	-23.3	68.4	1.9	7.6	43.9	0.0

TABLE A1: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MARY RIVER (MINE SITE)

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-03-04	-32.3	-35.1	-29.0	63.3	0.6	4.2	51.8	0.0
2025-03-05	-27.9	-32.5	-21.9	66.1	0.4	2.0	41.0	0.0
2025-03-06	-20.8	-29.2	-18.1	75.4	5.6	9.4	28.8	0.0
2025-03-07	-20.7	-26.7	-18.2	68.5	4.8	8.8	39.7	0.0
2025-03-08	-21.6	-27.7	-15.5	64.8	2.8	11.4	43.1	0.0
2025-03-09	-16.1	-21.5	-11.9	62.4	9.2	19.7	46.8	0.0
2025-03-10	-10.6	-12.6	-9.0	67.6	7.3	15.5	42.7	0.0
2025-03-11	-12.6	-17.7	-8.3	78.8	4.1	13.5	62.5	0.0
2025-03-12	-9.3	-12.8	-4.9	77.7	5.1	14.3	57.0	0.0
2025-03-13	-6.0	-14.9	-2.0	79.8	6.6	17.9	42.5	0.0
2025-03-14	-18.5	-23.5	-14.8	78.3	7.9	12.5	60.1	0.0
2025-03-15	-24.1	-27.8	-21.0	60.0	4.6	10.5	83.1	0.0
2025-03-16	-27.7	-32.3	-23.0	64.0	0.6	4.0	85.4	0.0
2025-03-17	-15.8	-28.2	-10.4	69.9	11.8	23.9	54.2	0.0
2025-03-18	-11.0	-12.9	-9.6	67.1	12.2	21.2	52.7	0.0
2025-03-19	-14.1	-17.7	-10.2	79.9	1.5	9.2	62.3	0.0
2025-03-20	-19.4	-23.6	-17.2	80.1	2.0	5.7	88.2	0.0
2025-03-21	-24.9	-28.7	-19.9	69.6	0.3	1.9	93.5	0.0
2025-03-22	-26.2	-30.6	-20.2	65.8	0.5	3.2	107.2	0.0
2025-03-23	-29.0	-33.7	-22.0	63.5	0.2	1.5	109.3	0.0
2025-03-24	-29.9	-35.7	-21.4	62.9	0.2	1.7	113.0	0.0
2025-03-25	-29.8	-35.0	-24.5	63.5	0.9	3.1	116.1	0.0
2025-03-26	-29.3	-32.8	-23.5	63.2	1.3	3.1	120.5	0.0
2025-03-27	-30.6	-35.8	-24.8	59.6	0.2	1.7	124.4	0.0
2025-03-28	-29.9	-34.6	-23.0	61.2	0.8	3.4	126.7	0.0
2025-03-29	-27.9	-32.1	-20.5	62.0	0.3	1.5	119.3	0.0
2025-03-30	-27.8	-32.7	-20.7	65.2	0.7	3.3	131.3	0.0
2025-03-31	-27.3	-31.9	-20.7	63.2	0.3	1.6	131.5	0.0
2025-04-01	-28.3	-34.6	-22.7	64.8	0.5	2.6	134.3	0.0
2025-04-02	-27.6	-31.2	-22.8	63.8	0.4	2.5	144.1	0.0
2025-04-03	-29.1	-33.2	-23.4	62.9	0.6	3.1	145.8	0.0

TABLE A1: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MARY RIVER (MINE SITE)

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-04-04	-28.6	-34.5	-22.7	62.6	0.3	1.8	141.6	0.0
2025-04-05	-26.8	-32.1	-20.8	64.7	0.3	1.8	148.8	0.0
2025-04-06	-26.4	-32.0	-20.8	65.4	0.5	2.6	157.2	0.0
2025-04-07	-24.6	-30.6	-16.4	66.1	1.0	3.7	163.4	0.0
2025-04-08	-20.6	-28.2	-9.3	67.8	1.6	5.6	166.6	0.0
2025-04-09	-16.7	-22.8	-10.7	65.1	1.8	6.8	168.3	0.0
2025-04-10	-13.7	-21.1	-6.1	69.8	1.3	6.5	141.9	0.0
2025-04-11	-15.2	-21.2	-10.0	77.3	2.1	9.4	176.4	0.0
2025-04-12	-21.1	-26.2	-16.0	77.8	1.2	6.0	161.3	0.0
2025-04-13	-21.6	-27.7	-16.0	74.8	1.5	6.1	147.1	0.0
2025-04-14	-23.9	-28.7	-19.1	67.5	0.4	2.6	178.5	0.0
2025-04-15	-23.9	-28.5	-18.3	68.4	0.6	2.6	148.9	0.0
2025-04-16	-21.9	-26.2	-18.5	75.6	1.4	5.4	181.0	0.0
2025-04-17	-18.8	-26.9	-10.2	61.0	2.9	8.8	202.2	0.0
2025-04-18	-15.0	-24.4	-8.6	65.8	2.6	9.0	198.4	0.0
2025-04-19	-9.1	-15.3	-4.2	72.0	5.0	12.2	193.2	0.0
2025-04-20	-5.7	-7.1	-4.4	86.6	7.6	11.2	68.8	0.0
2025-04-21	-6.2	-7.1	-5.0	90.1	6.7	11.5	111.3	0.0
2025-04-22	-9.9	-18.5	-6.0	86.9	3.6	10.1	178.1	0.0
2025-04-23	-15.5	-24.1	-7.3	76.3	0.6	5.0	225.3	0.0
2025-04-24	-7.8	-10.3	-3.1	77.7	2.5	9.6	204.5	1.8
2025-04-25	-7.5	-12.7	-3.5	74.7	3.6	8.9	221.5	0.0
2025-04-26	-8.4	-16.4	-3.9	70.1	3.0	9.0	238.9	0.0
2025-04-27	-14.9	-19.0	-11.6	79.8	2.8	7.4	245.2	0.0
2025-04-28	-14.7	-19.0	-12.0	81.2	1.6	4.4	169.4	0.0
2025-04-29	-15.6	-18.4	-13.6	81.8	3.3	7.1	163.5	0.0
2025-04-30	-17.8	-21.4	-15.7	75.2	3.8	7.6	251.0	0.0
2025-05-01	-13.4	-24.0	-8.4	66.0	7.9	18.6	220.9	0.0
2025-05-02	-11.9	-13.5	-10.3	70.0	9.3	16.1	259.1	0.0
2025-05-03	-12.5	-14.4	-10.4	78.7	7.5	13.5	235.9	0.0
2025-05-04	-10.9	-14.7	-6.0	66.8	3.2	7.4	272.7	0.0

TABLE A1: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MARY RIVER (MINE SITE)

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-05-05	-14.7	-18.4	-11.4	77.4	2.1	5.9	242.6	0.0
2025-05-06	-15.1	-17.6	-12.2	76.9	1.0	3.9	204.5	0.0
2025-05-07	-14.2	-17.3	-12.9	75.8	4.0	8.1	160.4	0.0
2025-05-08	-12.4	-15.5	-9.3	78.4	10.9	18.9	208.4	0.0
2025-05-09	-10.1	-12.7	-8.1	66.9	11.3	21.3	181.3	0.0
2025-05-10	-8.1	-12.5	-5.0	64.8	6.5	15.7	272.7	0.0
2025-05-11	-12.9	-17.0	-9.8	77.2	2.1	5.4	276.0	0.0
2025-05-12	-11.9	-14.9	-8.9	75.4	3.7	6.7	238.4	0.0
2025-05-13	-10.2	-14.4	-7.6	65.7	3.3	7.9	194.3	0.0
2025-05-14	-9.2	-12.5	-6.0	64.8	5.1	10.3	284.0	0.0
2025-05-15	-9.4	-13.4	-6.4	63.2	2.4	7.2	308.0	0.0
2025-05-16	-10.5	-14.1	-7.5	74.3	2.1	5.2	195.5	0.0
2025-05-17	-9.7	-11.8	-7.0	78.9	2.0	4.7	275.1	0.0
2025-05-18	-8.8	-11.4	-5.3	78.7	4.2	7.7	321.5	0.0
2025-05-19	-6.7	-11.2	-3.8	68.1	6.6	13.1	257.4	0.0
2025-05-20	-7.4	-10.9	-5.5	80.9	4.1	9.1	258.5	0.0
2025-05-21	-4.7	-10.6	0.7	68.8	2.5	7.7	330.9	0.2
2025-05-22	-3.6	-8.0	0.6	74.5	1.4	3.5	265.0	0.0
2025-05-23	-1.7	-4.4	1.8	77.3	1.6	3.9	283.2	0.0
2025-05-24	-1.3	-3.0	-0.4	95.5	5.2	10.3	51.2	0.0
2025-05-25	0.8	-0.6	3.0	92.5	2.4	5.6	169.8	3.4
2025-05-26	0.7	-0.5	3.0	85.4	2.5	8.6	139.6	0.2
2025-05-27	-0.4	-2.3	1.4	77.1	1.9	5.8	229.2	0.0
2025-05-28	-0.9	-3.5	1.7	78.7	2.2	5.6	294.9	0.0
2025-05-29	2.7	-2.3	8.4	75.0	1.7	6.7	333.3	0.0
2025-05-30	4.0	-0.4	8.6	69.9	2.4	6.9	336.6	0.0
2025-05-31	2.3	0.5	6.3	86.7	6.0	13.4	154.4	0.0
2025-06-01	3.3	0.2	5.7	85.5	3.5	7.6	182.2	0.0
2025-06-02	6.9	1.3	10.7	65.8	5.4	12.9	293.3	0.0
2025-06-03	7.2	3.3	11.1	63.2	4.0	8.5	267.5	0.0
2025-06-04	7.4	3.1	10.7	59.5	2.8	8.5	291.9	0.0

TABLE A1: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MARY RIVER (MINE SITE)

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-06-05	7.3	3.2	10.8	56.2	2.0	5.9	358.0	0.0
2025-06-06	7.0	3.2	10.4	61.7	2.5	6.4	348.3	0.0
2025-06-07	1.3	-0.9	4.3	89.5	2.6	5.7	167.7	0.2
2025-06-08	0.6	-1.2	2.8	82.6	3.8	11.0	152.4	0.2
2025-06-09	1.2	-1.4	4.5	72.4	3.3	10.4	200.1	0.2
2025-06-10	0.8	-1.5	3.8	56.2	4.2	9.8	200.3	0.0
2025-06-11	0.9	-1.3	3.0	70.2	3.2	8.7	178.8	0.0
2025-06-12	-1.1	-2.2	0.8	94.1	6.4	13.5	189.6	1.8
2025-06-13	0.9	-1.1	2.6	81.7	6.7	14.2	252.8	0.4
2025-06-14	1.4	-1.3	3.4	68.0	3.9	10.3	243.5	0.0
2025-06-15	3.4	2.0	5.6	62.5	3.8	9.2	250.7	0.0
2025-06-16	5.0	0.7	8.6	54.3	4.1	8.4	361.5	0.0
2025-06-17	7.1	3.5	9.8	54.3	3.1	6.8	323.4	0.0
2025-06-18	6.5	5.2	8.4	63.2	3.1	6.6	149.5	0.0
2025-06-19	6.4	4.7	8.6	58.6	6.9	13.4	210.7	0.0
2025-06-20	8.1	4.9	11.0	45.7	6.6	12.2	322.0	0.0
2025-06-21	9.3	4.5	13.1	47.1	3.9	9.6	317.2	0.0
2025-06-22	10.2	5.8	13.5	51.0	4.0	8.9	337.6	0.0
2025-06-23	11.9	6.3	16.3	51.1	1.4	5.2	333.2	0.0
2025-06-24	12.8	7.5	17.3	49.7	1.9	6.8	275.9	0.0
2025-06-25	13.0	7.4	17.3	47.2	3.2	7.9	354.0	0.0
2025-06-26	13.7	9.2	17.4	44.7	4.5	9.7	355.9	0.0
2025-06-27	11.0	7.2	15.4	64.8	4.1	10.1	325.8	0.0
2025-06-28	10.7	7.1	14.4	62.2	3.4	10.9	305.7	0.0
2025-06-29	10.8	5.6	14.7	55.3	2.4	8.1	292.3	0.0
2025-06-30	8.6	5.6	11.4	51.5	4.3	11.4	251.0	0.0
2025-07-01	6.2	3.8	9.0	66.4	2.0	10.8	184.2	4.2
2025-07-02	7.0	3.6	9.9	62.5	3.3	8.6	232.4	0.0
2025-07-03	8.2	4.5	11.8	52.1	2.4	9.9	260.8	0.0
2025-07-04	8.3	6.5	11.8	62.1	2.7	7.5	219.2	0.0
2025-07-05	8.0	6.0	10.6	72.9	1.7	4.9	127.5	0.0

**TABLE A1: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MARY RIVER (MINE SITE)**

<b>Date</b>	<b>Daily Average Temperature (°C)</b>	<b>Absolute Minimum Daily Temperature (°C)</b>	<b>Absolute Maximum Daily Temperature (°C)</b>	<b>Average Relative Humidity (%)</b>	<b>Average Wind Speed (m/s)</b>	<b>Maximum Instantaneous Wind Speed (m/s)</b>	<b>Daily Average Solar Radiation (W/m<sup>2</sup>)</b>	<b>Daily Total Rainfall (mm)</b>
2025-07-06	10.9	5.5	15.0	54.5	1.9	6.8	239.3	0.0
2025-07-07	7.8	5.6	12.6	72.9	4.4	10.3	170.2	0.2
2025-07-08	9.4	5.6	13.3	59.3	3.9	8.3	256.4	0.0
2025-07-09	11.4	7.6	15.5	67.8	2.7	5.8	256.8	0.0
2025-07-10	7.6	5.0	12.8	96.3	5.4	12.3	23.8	10.2
2025-07-11	4.4	1.2	7.4	94.1	9.2	18.8	38.2	21.0
2025-07-12	4.4	2.0	6.5	97.0	8.5	15.5	69.4	22.0
2025-07-13	4.8	1.3	8.9	84.5	4.8	13.1	199.8	3.8
2025-07-14	8.2	5.1	9.7	80.7	3.3	8.3	119.0	7.2
2025-07-15	8.5	6.7	9.6	83.9	7.3	13.0	45.2	18.4
2025-07-16	7.9	6.2	8.9	92.5	1.9	11.9	56.8	11.4
2025-07-17	9.3	7.5	11.0	81.4	1.4	5.9	114.4	0.0
2025-07-18	9.9	8.0	12.3	88.4	1.2	4.9	96.6	0.2
2025-07-19	13.3	9.4	17.8	70.8	2.1	7.1	204.1	0.4
2025-07-20	14.5	8.9	18.3	57.6	2.9	8.0	302.0	0.0
2025-07-21	13.1	9.0	16.1	68.8	2.1	7.1	164.1	0.0
2025-07-22	11.6	9.8	13.1	75.4	2.4	6.4	120.0	0.0
2025-07-23	10.9	9.1	13.4	79.1	2.2	4.6	110.7	0.0
2025-07-24	12.6	9.2	16.1	67.6	1.2	6.2	166.4	0.0
2025-07-25	14.3	8.9	18.2	58.8	2.3	7.9	245.0	0.0
2025-07-26	13.0	11.1	15.5	73.4	1.7	5.4	90.3	0.0
2025-07-27	11.9	8.3	16.5	80.6	1.8	8.0	195.7	1.8
2025-07-28	12.9	8.2	16.7	72.0	1.5	5.7	159.4	5.0
2025-07-29	13.8	7.6	18.7	58.4	1.6	5.2	271.9	0.0
2025-07-30	14.7	8.9	18.9	55.8	2.2	7.2	247.1	0.0
2025-07-31	14.0	10.3	18.7	61.6	3.6	8.4	247.9	0.0
2025-08-01	13.9	9.4	17.5	62.0	2.9	7.6	259.5	0.0
2025-08-02	10.1	6.4	14.5	75.3	4.3	11.2	110.9	0.0
2025-08-03	6.3	2.0	9.2	71.0	6.0	11.6	186.5	4.8
2025-08-04	6.9	1.8	11.0	87.3	5.0	15.2	130.5	9.2
2025-08-05	5.0	1.8	8.3	68.1	9.7	20.4	259.3	0.0

TABLE A1: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MARY RIVER (MINE SITE)

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-08-06	4.5	2.0	6.6	81.7	5.1	12.5	50.6	7.8
2025-08-07	4.7	2.9	7.7	86.7	6.6	14.6	132.3	2.6
2025-08-08	2.6	1.0	4.2	84.5	4.8	10.4	95.0	2.4
2025-08-09	4.4	1.7	6.2	73.7	5.6	10.8	115.7	0.2
2025-08-10	4.6	1.1	8.3	70.5	4.0	9.3	141.5	0.0
2025-08-11	5.1	0.8	8.6	69.2	2.3	6.8	140.5	1.2
2025-08-12	6.1	3.9	9.2	69.1	2.5	8.7	129.7	0.0
2025-08-13	5.3	1.3	8.4	72.0	1.4	4.4	115.3	0.0
2025-08-14	6.7	4.6	10.1	78.3	1.3	5.1	96.9	0.8
2025-08-15	7.4	4.5	10.8	75.1	1.6	7.9	119.5	0.2
2025-08-16	7.9	6.1	10.4	67.8	1.8	6.2	119.4	0.4
2025-08-17	8.2	5.9	11.5	63.4	3.4	7.8	144.2	0.0
2025-08-18	7.6	2.7	11.8	63.9	2.2	8.3	205.8	0.0
2025-08-19	6.1	3.7	8.1	68.2	1.7	7.3	69.2	0.8
2025-08-20	4.1	2.6	6.0	92.0	3.7	6.5	57.8	9.0
2025-08-21	5.2	3.5	7.1	94.9	1.3	3.7	45.9	0.8
2025-08-22	7.6	4.8	10.3	87.3	3.0	7.5	140.4	0.2
2025-08-23	8.0	1.4	13.2	76.4	1.4	5.2	187.0	0.0
2025-08-24	7.9	5.0	10.3	89.4	5.7	9.9	58.6	1.2
2025-08-25	7.0	0.8	11.4	87.1	9.1	15.3	60.0	3.4
2025-08-26	1.7	0.1	4.7	74.8	6.9	12.7	112.2	0.0
2025-08-27	1.7	-0.3	3.3	95.8	4.3	13.1	37.7	9.8
2025-08-28	1.3	-0.7	4.2	75.6	4.9	15.3	131.6	0.2
2025-08-29	-0.7	-2.1	0.9	79.1	9.7	17.6	134.0	0.2
2025-08-30	-0.4	-3.0	3.3	76.8	8.1	14.3	107.4	0.2
2025-08-31	-1.3	-2.5	0.1	87.1	7.7	17.8	45.2	0.0
2025-09-01	0.7	-1.8	3.0	68.5	8.0	15.7	166.4	0.0
2025-09-02	0.2	-1.3	2.1	70.8	6.3	16.4	123.4	0.0
2025-09-03	-1.1	-2.7	0.0	80.4	2.5	6.9	63.3	0.0
2025-09-04	-2.0	-3.6	0.1	89.4	1.6	5.3	102.9	0.4
2025-09-05	-0.5	-2.5	1.4	80.3	3.3	8.2	82.1	0.2

TABLE A1: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MARY RIVER (MINE SITE)

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-09-06	0.1	-2.1	2.9	67.0	3.6	9.9	148.7	0.0
2025-09-07	0.0	-5.0	5.2	69.3	0.8	3.8	140.0	0.0
2025-09-08	1.4	-4.0	6.7	66.0	1.3	5.5	137.4	0.0
2025-09-09	1.0	-3.3	6.2	72.6	1.5	6.3	137.4	0.0
2025-09-10	0.0	-4.3	4.1	78.6	1.8	5.6	107.2	0.0
2025-09-11	M	M	M	M	M	M	M	M
2025-09-12	M	M	M	M	M	M	M	M
2025-09-13	M	M	M	M	M	M	M	M
2025-09-14	M	M	M	M	M	M	M	M
2025-09-15	M	M	M	M	M	M	M	M
2025-09-16	M	M	M	M	M	M	M	M
2025-09-17	M	M	M	M	M	M	M	M
2025-09-18	0.1	-2.5	2.9	66.2	4.5	11.5	102.7	0.0
2025-09-19	-0.4	-4.9	5.0	70.5	1.5	6.8	100.4	0.0
2025-09-20	-0.1	-2.4	2.4	82.4	7.1	11.6	61.1	0.2
2025-09-21	0.1	-2.8	3.4	90.2	2.6	8.3	89.7	0.8
2025-09-22	0.4	-3.5	2.1	90.2	7.1	14.0	18.0	0.8
2025-09-23	2.7	0.5	4.2	98.2	7.5	17.4	6.0	16.6
2025-09-24	0.2	-0.2	0.7	99.5	2.3	5.7	21.4	0.6
2025-09-25	-0.5	-3.0	1.1	79.1	4.7	11.6	50.6	0.2
2025-09-26	-1.2	-3.8	1.7	78.0	3.1	8.2	61.2	0.0
2025-09-27	-2.0	-5.9	1.7	81.5	0.7	4.2	70.2	0.0
2025-09-28	-1.3	-4.5	2.8	81.3	0.6	2.9	73.3	0.0
2025-09-29	-1.9	-5.1	1.1	88.8	3.3	9.7	49.8	0.0
2025-09-30	-3.9	-6.6	-1.9	67.8	4.0	9.4	67.0	0.0
2025-10-01	-1.8	-2.8	0.2	83.0	6.3	17.3	21.8	0.0
2025-10-02	-0.2	-2.5	1.2	81.9	12.1	19.1	24.9	0.0
2025-10-03	-4.8	-9.9	-1.9	69.9	7.2	15.2	61.3	0.0
2025-10-04	-4.4	-9.0	-0.4	88.0	4.0	11.5	23.6	0.0
2025-10-05	0.2	-1.2	1.3	90.6	10.7	18.4	15.9	1.0
2025-10-06	0.6	-0.1	1.1	79.8	10.6	18.6	29.2	0.0

TABLE A1: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MARY RIVER (MINE SITE)

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-10-07	-1.9	-5.3	0.1	79.1	5.6	11.5	40.6	0.0
2025-10-08	-6.7	-9.5	-4.2	87.7	5.3	11.9	35.4	0.0
2025-10-09	-2.3	-5.6	-0.8	96.1	9.3	16.8	20.5	0.0
2025-10-10	-1.4	-2.2	-0.3	87.8	12.1	19.2	20.8	0.0
2025-10-11	-2.5	-5.5	-0.8	84.1	4.9	11.3	28.3	0.0
2025-10-12	-6.6	-9.0	-4.2	88.0	4.8	11.7	19.9	0.0
2025-10-13	-5.0	-6.1	-4.0	91.9	11.2	19.6	25.3	0.2
2025-10-14	-6.4	-9.0	-4.8	92.1	7.1	15.4	24.8	0.0
2025-10-15	-7.0	-10.3	-4.6	72.3	4.7	10.0	31.4	0.0
2025-10-16	-4.1	-6.8	-1.7	92.9	5.3	9.5	10.4	0.0
2025-10-17	-2.3	-2.8	-0.9	94.7	9.0	13.6	15.3	0.0
2025-10-18	-1.1	-1.8	-0.5	93.4	7.7	12.5	14.6	0.0
2025-10-19	-0.9	-3.3	2.0	73.0	9.1	20.5	29.4	0.2
2025-10-20	1.7	0.3	2.8	84.1	15.8	24.1	12.3	8.0
2025-10-21	0.5	-1.9	1.9	97.2	6.0	17.0	12.9	5.8
2025-10-22	-3.2	-4.0	-1.8	96.8	4.8	9.5	8.7	0.0
2025-10-23	-4.1	-6.2	-2.9	96.3	4.6	10.6	9.2	0.0
2025-10-24	-11.7	-19.0	-5.2	92.1	0.2	1.3	13.4	0.0
2025-10-25	-12.4	-22.5	-3.7	87.6	4.8	14.1	7.7	0.0
2025-10-26	-1.3	-3.7	-0.8	96.9	9.5	14.1	8.8	0.0
2025-10-27	-1.0	-3.1	1.2	75.1	8.0	15.8	18.4	0.0
2025-10-28	-1.2	-3.9	0.3	81.7	4.5	10.1	8.7	0.0
2025-10-29	-7.0	-13.8	-2.8	80.6	3.8	12.4	13.5	0.0
2025-10-30	-15.2	-19.3	-9.5	86.9	0.9	4.9	12.3	0.0
2025-10-31	-13.3	-19.1	-8.4	90.8	2.0	5.7	4.2	0.0
2025-11-01	-7.5	-8.9	-6.7	94.3	5.4	9.8	5.3	0.0
2025-11-02	-10.1	-13.3	-7.5	85.1	2.2	7.8	5.0	0.0
2025-11-03	-8.0	-13.4	-5.8	87.1	7.5	12.5	2.9	0.0
2025-11-04	-6.8	-9.4	-5.2	86.4	8.8	13.2	3.5	0.0
2025-11-05	-8.3	-10.8	-6.3	73.6	4.5	10.2	2.7	0.0
2025-11-06	-5.4	-8.2	-2.6	72.2	9.8	15.6	2.6	0.0

TABLE A1: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MARY RIVER (MINE SITE)

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-11-07	-4.1	-8.5	-1.8	72.4	6.6	15.1	2.3	0.0
2025-11-08	-8.1	-11.5	-5.2	71.7	3.0	11.5	2.4	0.0
2025-11-09	-12.4	-15.3	-9.7	83.3	1.7	8.4	3.3	0.0
2025-11-10	-12.8	-14.8	-9.5	88.4	5.5	16.2	1.1	0.0
2025-11-11	-8.1	-9.9	-4.9	72.9	8.2	14.1	1.9	0.0
2025-11-12	-6.0	-8.6	-3.6	72.2	9.4	15.1	1.6	0.0
2025-11-13	-0.8	-3.7	1.5	85.4	7.9	16.6	1.3	1.6
2025-11-14	-9.1	-15.8	-1.4	89.6	3.5	8.5	0.9	0.0
2025-11-15	-11.5	-15.9	-7.7	81.8	5.4	13.9	0.8	0.0
2025-11-16	-9.5	-15.3	-5.6	74.4	4.5	13.6	0.7	0.0
2025-11-17	-17.3	-21.3	-11.2	82.7	0.7	3.9	1.0	0.0
2025-11-18	-18.7	-21.7	-15.0	80.2	0.8	4.1	0.8	0.0
2025-11-19	-11.7	-17.4	-5.2	73.8	2.1	7.1	0.8	0.0
2025-11-20	-13.4	-19.6	-8.4	81.0	0.9	4.0	0.4	0.0
2025-11-21	-19.8	-22.5	-15.4	82.2	0.4	2.0	0.5	0.0
2025-11-22	-13.9	-17.4	-11.7	80.7	0.3	3.0	0.4	0.0
2025-11-23	-17.5	-19.7	-14.1	85.9	0.6	3.4	0.3	0.0
2025-11-24	-14.3	-20.1	-8.4	82.5	1.3	5.2	0.3	0.0
2025-11-25	-14.4	-22.2	-8.6	77.5	2.7	9.9	0.3	0.0
2025-11-26	-22.9	-26.3	-17.4	74.9	2.2	9.9	0.3	0.0
2025-11-27	-25.3	-28.7	-21.7	74.4	1.2	5.2	0.2	0.0
2025-11-28	-30.8	-34.5	-26.6	67.2	0.3	2.1	0.1	0.0
2025-11-29	-32.8	-36.2	-30.4	64.2	0.4	2.3	0.1	0.0
2025-11-30	-34.9	-37.6	-29.7	61.6	0.3	2.2	0.1	0.0
2025-12-01	-20.6	-33.6	-14.0	68.9	8.1	20.3	0.1	0.0
2025-12-02	-10.9	-14.4	-7.2	69.7	12.3	22.3	0.1	0.0
2025-12-03	-9.1	-12.4	-7.3	55.9	10.3	20.6	0.0	0.0
2025-12-04	-10.7	-15.4	-8.5	62.0	11.1	24.6	0.0	0.0
2025-12-05	-12.5	-19.8	-6.5	73.8	8.2	20.7	0.0	0.0
2025-12-06	-11.2	-15.5	-7.9	69.0	6.0	15.2	0.0	0.0
2025-12-07	-10.9	-19.2	-5.8	81.2	5.8	15.0	0.0	0.0

TABLE A1: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MARY RIVER (MINE SITE)

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-12-08	-10.9	-19.2	-5.9	81.5	2.1	8.9	0.0	0.0
2025-12-09	-16.5	-19.9	-10.7	79.1	1.5	9.3	0.0	0.0
2025-12-10	-20.0	-23.6	-16.9	78.2	6.4	10.8	0.0	0.0
2025-12-11	-25.3	-27.8	-21.6	64.0	4.5	10.7	0.0	0.0
2025-12-12	-27.2	-29.8	-24.6	68.7	2.3	8.5	0.0	0.0
2025-12-13	-30.8	-35.2	-25.8	63.8	3.5	9.5	0.0	0.0
2025-12-14	-27.8	-35.7	-22.9	66.4	6.7	14.3	0.0	0.0
2025-12-15	-25.0	-31.2	-17.9	73.0	5.0	16.6	0.0	0.0
2025-12-16	-19.6	-22.5	-17.8	61.6	8.2	17.3	0.0	0.0
2025-12-17	-22.4	-26.3	-18.6	65.7	3.7	10.5	0.0	0.0
2025-12-18	-22.2	-29.6	-16.0	52.4	3.4	11.8	0.0	0.0
2025-12-19	-17.2	-22.2	-13.2	55.7	4.2	13.7	0.0	0.0
2025-12-20	-14.7	-17.2	-11.7	59.1	8.3	16.2	0.0	0.0
2025-12-21	-16.9	-21.7	-13.5	69.7	6.3	14.6	0.0	0.0
2025-12-22	-22.5	-25.2	-21.0	63.7	8.1	15.4	0.0	0.0
2025-12-23	-24.1	-27.3	-22.6	58.6	4.5	11.2	0.0	0.0
2025-12-24	-23.4	-29.3	-19.9	52.2	2.6	9.5	0.0	0.0
2025-12-25	-31.5	-35.2	-24.0	63.8	1.7	9.9	0.0	0.0
2025-12-26	-24.0	-26.4	-19.9	65.3	9.4	17.1	0.0	0.0
2025-12-27	-18.0	-20.8	-16.8	82.7	12.7	18.8	0.0	0.0
2025-12-28	-18.4	-23.8	-16.2	78.8	6.5	15.6	0.0	0.0
2025-12-29	-32.9	-36.2	-22.7	63.8	1.7	7.0	0.0	0.0
2025-12-30	-34.2	-36.5	-29.1	61.7	1.6	4.0	0.0	0.0
2025-12-31	-14.6	-30.3	-6.3	69.8	12.4	26.4	0.0	0.0

TABLE A2: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MILNE PORT

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-01-01	-17.6	-20.0	-15.4	78.7	12.7	24.5	0.0	0.0
2025-01-02	-24.4	-31.5	-18.9	73.2	6.2	20.5	0.0	0.0
2025-01-03	-33.1	-36.2	-30.5	65.3	2.5	7.9	0.0	0.0
2025-01-04	-31.3	-33.4	-30.1	68.5	4.3	10.0	0.0	0.0
2025-01-05	-30.5	-32.5	-29.0	72.5	2.2	6.5	0.0	0.0
2025-01-06	-30.6	-32.2	-28.9	73.4	2.4	6.5	0.0	0.0
2025-01-07	-34.6	-37.3	-31.1	70.5	6.1	16.1	0.0	0.0
2025-01-08	-35.7	-37.7	-33.2	68.7	8.8	16.3	0.0	0.0
2025-01-09	-30.3	-34.9	-27.1	73.5	4.6	8.7	0.0	0.0
2025-01-10	-28.5	-30.0	-26.6	74.8	5.5	12.4	0.0	0.0
2025-01-11	-31.8	-34.7	-28.0	72.7	3.7	9.7	0.0	0.0
2025-01-12	-29.9	-34.0	-25.4	73.8	1.7	7.5	0.1	0.0
2025-01-13	-25.8	-27.2	-24.0	75.1	3.1	8.9	0.0	0.0
2025-01-14	-27.1	-30.4	-25.0	75.7	2.5	7.2	0.1	0.0
2025-01-15	-33.7	-37.9	-29.4	71.6	0.6	3.9	0.1	0.0
2025-01-16	-38.7	-40.2	-37.4	68.3	0.0	1.5	0.1	0.0
2025-01-17	-37.7	-39.1	-35.7	68.9	0.4	3.6	0.1	0.0
2025-01-18	-31.3	-38.2	-26.7	72.7	4.5	13.9	0.1	0.0
2025-01-19	-25.3	-28.6	-22.4	62.8	8.7	17.9	0.2	0.0
2025-01-20	-20.3	-24.3	-13.9	71.9	8.8	21.1	0.3	0.0
2025-01-21	-14.8	-17.2	-11.8	72.0	11.4	23.3	0.2	0.0
2025-01-22	-19.6	-23.5	-16.5	71.9	3.9	11.6	0.3	0.0
2025-01-23	-23.1	-25.7	-21.5	72.3	3.7	11.4	0.5	0.0
2025-01-24	-23.5	-28.5	-19.3	73.4	4.1	14.7	0.8	0.0
2025-01-25	-29.4	-31.4	-27.7	74.3	2.1	5.5	0.5	0.0
2025-01-26	-29.4	-31.7	-27.2	74.2	1.6	8.4	0.5	0.0
2025-01-27	-26.6	-30.9	-21.1	72.6	3.5	10.0	0.5	0.0
2025-01-28	-24.1	-26.2	-22.2	72.3	3.5	9.9	0.5	0.0
2025-01-29	-25.5	-27.0	-21.7	76.9	6.4	12.1	0.7	0.0
2025-01-30	-28.6	-31.5	-23.9	74.7	4.5	13.0	0.6	0.0
2025-01-31	-31.9	-33.4	-30.0	72.6	1.4	4.1	0.7	0.0

TABLE A2: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MILNE PORT

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-02-01	-31.8	-33.6	-29.7	72.6	1.6	10.8	0.8	0.0
2025-02-02	-33.8	-35.2	-32.2	71.4	7.7	13.8	1.1	0.0
2025-02-03	-33.7	-35.7	-31.3	71.4	5.5	12.7	1.0	0.0
2025-02-04	-34.5	-35.8	-32.4	70.8	5.9	11.6	1.0	0.0
2025-02-05	-35.8	-37.6	-33.6	69.9	0.5	6.2	1.3	0.0
2025-02-06	-32.4	-35.0	-30.3	72.2	8.9	13.5	1.2	0.0
2025-02-07	-32.4	-33.9	-30.5	72.1	2.3	10.3	1.4	0.0
2025-02-08	-31.4	-33.6	-28.9	72.7	3.4	10.0	2.7	0.0
2025-02-09	-31.0	-33.0	-28.6	73.0	2.4	8.6	3.0	0.0
2025-02-10	-34.0	-38.3	-31.8	71.1	1.2	6.8	3.5	0.0
2025-02-11	-29.8	-37.3	-23.8	73.5	4.4	14.9	2.5	0.0
2025-02-12	-18.7	-27.0	-9.7	65.1	8.2	20.0	2.6	0.0
2025-02-13	-11.3	-13.6	-5.8	64.7	10.8	22.5	7.1	0.0
2025-02-14	-11.1	-13.8	-6.3	76.7	8.8	22.0	6.4	0.0
2025-02-15	-18.0	-19.4	-13.4	77.5	6.5	17.7	6.4	0.0
2025-02-16	-21.3	-23.7	-18.8	79.5	4.8	13.2	6.0	0.0
2025-02-17	-22.2	-24.3	-18.7	78.8	6.5	14.7	6.9	0.0
2025-02-18	-23.4	-25.7	-21.8	77.9	2.7	9.5	8.0	0.0
2025-02-19	-18.3	-22.7	-15.6	81.9	1.2	4.7	8.8	0.0
2025-02-20	-22.4	-25.0	-18.0	74.1	6.8	14.3	18.3	0.0
2025-02-21	-28.2	-35.0	-23.4	72.9	8.3	13.1	12.2	0.0
2025-02-22	-34.0	-35.4	-33.1	68.3	8.3	12.0	14.8	0.0
2025-02-23	-35.6	-38.5	-33.3	69.3	0.8	6.7	18.8	0.0
2025-02-24	-39.1	-41.0	-35.8	68.1	0.3	2.1	18.4	0.0
2025-02-25	-31.8	-41.8	-26.8	68.3	9.3	22.3	15.4	0.0
2025-02-26	-26.7	-28.8	-23.3	63.3	6.9	21.5	20.3	0.0
2025-02-27	-25.0	-27.5	-21.0	66.7	4.3	12.0	21.1	0.0
2025-02-28	-27.3	-29.7	-24.4	73.9	4.2	13.0	28.5	0.0
2025-03-01	-29.6	-32.0	-26.5	72.9	1.6	9.7	30.1	0.0
2025-03-02	-29.7	-32.6	-26.0	72.8	4.0	12.5	31.4	0.0
2025-03-03	-27.7	-30.6	-25.7	75.2	0.7	3.9	17.1	0.0

TABLE A2: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MILNE PORT

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-03-04	-27.1	-30.7	-20.3	75.6	1.7	8.7	28.7	0.0
2025-03-05	-27.1	-29.4	-25.3	74.1	4.2	9.6	31.5	0.0
2025-03-06	-26.1	-29.4	-22.7	76.2	2.8	7.2	21.3	0.0
2025-03-07	-22.7	-24.2	-20.9	78.3	1.2	4.9	20.6	0.0
2025-03-08	-24.0	-27.5	-20.0	75.3	3.6	18.0	39.8	0.0
2025-03-09	-19.9	-23.5	-16.1	72.3	11.4	23.1	27.1	0.0
2025-03-10	-14.9	-17.3	-12.9	75.4	4.8	18.2	31.3	0.0
2025-03-11	-13.2	-16.3	-10.4	81.2	3.7	15.8	35.4	0.0
2025-03-12	-11.3	-13.4	-8.7	83.6	7.2	18.9	31.8	0.0
2025-03-13	-8.0	-13.6	-2.1	83.7	7.5	16.7	25.3	0.0
2025-03-14	-18.0	-22.2	-13.5	78.1	12.8	19.4	38.8	0.0
2025-03-15	-24.6	-27.9	-21.3	68.7	3.4	13.8	51.7	0.0
2025-03-16	-29.1	-31.1	-26.4	74.3	0.7	3.7	57.2	0.0
2025-03-17	-22.1	-31.1	-16.2	74.2	12.4	28.8	41.8	0.0
2025-03-18	-14.4	-17.8	-10.7	76.1	12.6	25.3	38.0	0.0
2025-03-19	-14.0	-16.3	-11.9	71.8	5.2	14.7	48.8	0.0
2025-03-20	-19.1	-21.8	-15.3	78.2	6.3	9.5	45.9	0.0
2025-03-21	-22.7	-26.2	-19.1	75.1	0.5	4.3	62.1	0.0
2025-03-22	-24.2	-26.7	-19.9	76.5	0.7	3.9	68.9	0.0
2025-03-23	-25.4	-28.8	-21.3	71.0	2.9	9.5	70.9	0.0
2025-03-24	-28.6	-30.9	-24.4	74.3	0.1	2.1	73.6	0.0
2025-03-25	-29.3	-30.6	-27.3	74.1	1.2	2.9	61.3	0.0
2025-03-26	-29.7	-32.0	-25.9	73.1	1.3	3.7	69.7	0.0
2025-03-27	-30.3	-33.3	-24.6	72.6	0.1	1.6	80.5	0.0
2025-03-28	-31.1	-34.0	-24.8	71.0	0.2	1.7	83.7	0.0
2025-03-29	-28.9	-32.5	-23.7	70.8	0.1	1.4	81.4	0.0
2025-03-30	-29.1	-32.0	-23.3	70.8	0.3	2.2	86.3	0.0
2025-03-31	-27.3	-30.2	-22.4	71.8	0.0	1.2	87.3	0.0
2025-04-01	-27.0	-29.6	-23.5	72.8	0.8	3.5	87.8	0.0
2025-04-02	-27.4	-30.5	-22.5	74.5	0.4	2.8	83.8	0.0
2025-04-03	-26.6	-28.6	-21.9	75.8	0.9	2.9	81.6	0.0

TABLE A2: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MILNE PORT

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-04-04	-26.4	-29.9	-22.4	75.5	2.2	6.4	88.7	0.0
2025-04-05	-26.3	-28.5	-23.0	75.2	0.9	3.2	98.5	0.0
2025-04-06	-26.8	-29.1	-22.5	74.3	0.6	2.8	105.9	0.0
2025-04-07	-26.5	-29.7	-21.8	74.3	1.3	4.2	107.9	0.0
2025-04-08	-24.2	-28.5	-19.5	74.0	3.4	11.7	110.7	0.0
2025-04-09	-20.6	-23.1	-17.0	72.5	4.7	11.2	113.4	0.0
2025-04-10	-18.5	-22.3	-14.8	72.7	1.4	4.6	105.1	0.0
2025-04-11	-15.5	-19.1	-9.7	75.1	1.6	5.1	121.2	0.0
2025-04-12	-20.6	-24.1	-17.5	77.8	4.0	9.2	117.5	0.0
2025-04-13	-22.8	-25.8	-18.9	76.5	0.9	4.8	117.0	0.0
2025-04-14	-22.5	-24.8	-16.8	73.5	2.8	8.4	125.5	0.0
2025-04-15	-23.3	-25.0	-21.8	73.4	8.9	11.3	122.2	0.0
2025-04-16	-22.1	-24.6	-19.1	74.7	4.1	9.5	115.9	0.0
2025-04-17	-22.1	-26.1	-19.1	78.0	5.3	11.5	136.7	0.0
2025-04-18	-20.2	-23.2	-18.1	76.6	3.2	10.7	140.1	0.0
2025-04-19	-15.6	-19.5	-12.1	81.3	4.4	8.7	104.1	0.0
2025-04-20	-8.0	-13.8	-4.6	87.0	6.1	12.6	73.1	0.0
2025-04-21	-7.1	-9.3	-6.0	87.6	4.5	9.6	80.6	0.0
2025-04-22	-10.7	-16.7	-6.5	86.2	6.4	11.1	124.1	0.0
2025-04-23	-15.1	-17.7	-10.9	79.4	0.5	5.8	145.8	0.0
2025-04-24	-13.7	-18.1	-8.0	76.8	0.7	3.9	148.2	0.0
2025-04-25	-12.2	-14.8	-10.0	82.5	4.0	11.4	153.1	0.0
2025-04-26	-12.7	-14.7	-10.4	81.7	1.6	5.9	162.8	0.0
2025-04-27	-15.0	-17.1	-13.3	84.7	2.0	5.8	117.4	0.0
2025-04-28	-14.6	-16.4	-11.8	83.7	3.6	7.5	120.9	0.0
2025-04-29	-15.9	-19.7	-13.5	82.1	2.6	5.9	117.5	0.0
2025-04-30	-18.4	-21.1	-11.3	73.3	3.9	9.2	166.0	0.0
2025-05-01	-17.2	-23.0	-12.4	73.2	8.1	15.3	153.5	0.0
2025-05-02	-13.0	-16.1	-7.5	74.1	2.9	11.5	152.1	0.0
2025-05-03	-13.1	-16.1	-11.2	78.1	7.9	16.0	171.5	0.0
2025-05-04	-14.0	-15.9	-12.5	72.3	3.8	9.6	176.1	0.0

TABLE A2: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MILNE PORT

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-05-05	-14.7	-17.8	-10.5	77.9	1.9	9.1	148.5	0.0
2025-05-06	-14.8	-16.7	-12.9	76.8	6.7	9.9	147.8	0.0
2025-05-07	-15.2	-18.6	-12.6	72.1	7.1	11.2	146.8	0.0
2025-05-08	-12.6	-15.6	-10.4	73.7	11.3	16.8	149.8	0.0
2025-05-09	-11.6	-14.9	-8.7	72.1	11.3	20.4	144.3	0.0
2025-05-10	-10.0	-12.7	-7.8	74.0	6.2	16.3	195.8	0.0
2025-05-11	-13.7	-16.7	-11.1	77.4	4.3	10.1	192.6	0.0
2025-05-12	-13.1	-16.9	-9.3	77.9	5.3	12.2	161.0	0.0
2025-05-13	-12.0	-13.5	-9.7	75.2	3.2	10.1	193.5	0.0
2025-05-14	-11.1	-13.1	-9.0	79.4	6.3	10.5	170.4	0.0
2025-05-15	-10.9	-13.2	-8.4	78.5	1.9	5.8	206.4	0.0
2025-05-16	-10.0	-11.6	-7.4	72.0	1.9	5.3	153.1	0.0
2025-05-17	-11.0	-13.1	-8.8	82.6	6.1	9.3	185.4	0.0
2025-05-18	-10.0	-13.2	-7.4	83.0	6.4	12.2	175.0	0.0
2025-05-19	-8.7	-11.6	-5.6	82.3	8.3	16.0	211.1	0.0
2025-05-20	-8.6	-11.1	-6.6	83.8	7.5	14.0	195.8	0.0
2025-05-21	-7.2	-9.7	-3.7	77.4	3.3	8.0	219.1	0.0
2025-05-22	-3.7	-8.2	-0.1	69.7	6.2	9.9	186.8	0.0
2025-05-23	-2.0	-5.0	0.8	77.1	7.4	12.2	173.7	0.2
2025-05-24	-1.5	-3.0	-0.3	92.3	12.2	19.1	55.2	0.0
2025-05-25	-1.8	-2.9	-0.5	92.0	6.4	9.3	135.6	0.0
2025-05-26	-2.4	-3.8	-0.5	86.5	6.6	10.6	140.9	0.0
2025-05-27	-2.3	-4.9	0.6	80.0	2.2	7.2	152.3	3.6
2025-05-28	-2.0	-4.3	0.6	81.2	1.5	4.7	177.0	0.0
2025-05-29	0.7	-2.3	5.2	77.5	1.3	6.2	228.1	0.0
2025-05-30	3.1	0.9	5.8	79.1	3.4	9.8	213.4	0.0
2025-05-31	1.6	0.5	3.9	88.6	12.0	22.8	110.3	0.0
2025-06-01	2.3	0.6	4.2	89.3	7.6	18.0	93.6	0.0
2025-06-02	3.7	0.8	6.8	81.5	3.9	10.5	184.2	0.0
2025-06-03	4.2	1.8	7.4	74.2	2.4	6.6	181.1	0.0
2025-06-04	3.8	1.7	5.9	69.1	4.4	10.7	203.2	0.0

TABLE A2: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MILNE PORT

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-06-05	4.3	1.4	6.8	61.9	4.1	7.9	241.3	0.0
2025-06-06	6.2	2.5	8.9	59.3	2.4	6.1	236.4	0.0
2025-06-07	2.1	0.3	5.0	84.9	4.7	7.8	112.0	0.2
2025-06-08	0.7	-0.8	2.1	76.1	4.9	10.1	94.0	0.2
2025-06-09	0.7	-1.3	3.4	68.9	4.8	11.9	182.1	0.0
2025-06-10	0.7	-1.8	3.8	57.7	3.7	8.0	217.7	0.0
2025-06-11	0.7	-1.1	3.3	71.7	5.8	19.6	192.3	0.0
2025-06-12	-0.9	-2.1	0.8	94.0	10.6	23.4	145.3	2.2
2025-06-13	-0.5	-1.9	0.9	86.3	11.4	17.3	167.2	0.0
2025-06-14	-0.1	-1.8	1.4	74.5	6.2	12.3	173.3	0.0
2025-06-15	2.0	-0.7	4.6	63.7	5.8	11.8	231.6	0.0
2025-06-16	3.2	0.8	5.1	57.7	5.1	11.6	243.7	0.0
2025-06-17	4.8	2.1	7.5	61.1	3.8	10.4	199.6	0.0
2025-06-18	5.9	2.3	9.6	60.2	3.0	10.4	182.4	0.0
2025-06-19	5.0	2.6	8.6	67.5	5.6	13.3	169.2	0.0
2025-06-20	5.1	1.8	8.4	56.2	5.3	13.6	206.0	0.0
2025-06-21	6.8	3.4	10.2	55.6	5.2	10.6	226.2	0.0
2025-06-22	7.6	5.2	9.9	60.7	5.9	11.9	228.6	0.0
2025-06-23	9.2	5.7	13.2	57.6	2.3	8.6	227.2	0.0
2025-06-24	8.0	4.6	11.5	63.1	3.5	7.4	237.6	0.0
2025-06-25	9.5	4.4	14.8	59.7	3.7	8.1	237.4	0.0
2025-06-26	13.3	9.9	16.6	50.1	3.5	10.2	240.5	0.0
2025-06-27	10.7	6.0	14.8	65.6	3.0	6.7	201.8	0.0
2025-06-28	9.3	4.5	13.9	58.3	2.7	7.1	222.8	0.0
2025-06-29	7.4	4.3	10.6	63.4	6.8	14.2	202.9	0.0
2025-06-30	4.9	2.3	7.5	58.7	7.3	14.6	215.6	0.0
2025-07-01	5.8	4.0	9.2	64.9	3.1	9.0	167.2	0.0
2025-07-02	5.1	3.6	6.8	68.9	7.9	11.8	225.5	0.0
2025-07-03	6.3	2.9	11.0	58.7	4.0	9.6	211.5	0.0
2025-07-04	8.1	6.3	10.9	60.5	4.0	9.4	212.7	0.0
2025-07-05	7.6	6.0	10.8	65.5	3.3	6.9	130.2	0.0

TABLE A2: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MILNE PORT

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-07-06	8.3	5.2	10.9	66.0	4.7	9.2	194.3	0.0
2025-07-07	6.6	4.1	8.8	76.9	4.2	10.3	75.8	0.8
2025-07-08	8.7	5.2	12.1	61.3	4.4	11.2	171.0	0.0
2025-07-09	9.9	7.0	13.6	66.6	3.3	10.4	164.3	0.6
2025-07-10	8.0	4.2	11.3	93.5	8.8	16.0	31.4	23.4
2025-07-11	3.3	1.4	5.5	94.1	6.4	20.8	26.6	24.8
2025-07-12	4.9	2.8	8.2	89.9	12.0	24.7	65.1	6.4
2025-07-13	5.5	3.1	8.7	74.0	7.1	14.5	170.1	0.4
2025-07-14	5.9	2.1	7.9	76.3	6.8	16.6	138.8	0.6
2025-07-15	3.2	1.5	4.3	97.0	11.6	18.5	34.1	11.2
2025-07-16	3.9	2.7	5.6	91.4	8.3	16.0	53.8	6.6
2025-07-17	5.2	3.3	7.8	86.4	2.6	6.5	86.1	0.0
2025-07-18	7.6	4.5	12.5	84.0	2.1	8.5	132.8	0.2
2025-07-19	9.9	6.4	13.2	72.4	4.0	8.9	194.4	0.0
2025-07-20	11.6	6.9	16.0	66.0	2.9	9.9	196.7	0.0
2025-07-21	9.3	6.6	13.0	72.2	2.5	8.0	144.4	0.0
2025-07-22	8.3	6.3	10.4	73.9	2.7	6.8	89.5	0.0
2025-07-23	7.0	5.1	9.8	86.4	3.7	8.5	109.3	0.4
2025-07-24	7.8	3.6	13.3	81.6	2.5	8.5	164.8	0.6
2025-07-25	8.1	5.1	11.3	79.1	4.7	10.3	170.6	0.0
2025-07-26	10.8	6.4	16.1	75.0	2.7	7.4	154.4	0.0
2025-07-27	10.7	7.9	13.0	83.3	3.9	9.7	126.1	0.0
2025-07-28	9.1	6.3	11.9	73.9	6.6	12.4	180.3	0.0
2025-07-29	11.0	8.2	14.0	63.7	3.2	8.1	190.4	0.0
2025-07-30	10.3	7.8	12.2	64.5	6.9	12.4	187.9	0.0
2025-07-31	10.4	8.1	13.3	64.0	4.1	10.6	186.2	0.0
2025-08-01	13.2	7.3	18.2	56.8	3.0	9.0	174.1	0.0
2025-08-02	9.8	5.7	14.1	70.6	6.3	13.8	51.0	0.0
2025-08-03	4.9	2.6	7.9	72.9	6.6	13.8	102.2	5.0
2025-08-04	5.5	2.3	9.8	89.3	5.4	18.7	57.3	9.0
2025-08-05	4.3	1.7	8.0	65.7	10.1	20.1	150.3	0.0

TABLE A2: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MILNE PORT

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-08-06	4.1	2.6	6.2	82.3	5.9	16.7	31.4	8.2
2025-08-07	4.3	2.1	6.1	82.5	7.2	14.8	62.1	0.8
2025-08-08	2.8	0.8	5.4	78.4	5.3	13.9	83.0	0.4
2025-08-09	3.6	2.1	5.5	73.4	7.0	14.7	101.6	0.0
2025-08-10	5.0	2.7	7.4	67.9	4.0	12.8	108.7	0.0
2025-08-11	5.1	2.9	7.9	70.4	3.6	10.7	124.5	0.0
2025-08-12	4.7	3.4	6.9	76.0	7.6	15.6	133.1	0.0
2025-08-13	6.6	3.4	9.7	69.2	3.8	8.5	84.8	0.0
2025-08-14	6.1	4.6	7.6	75.5	5.1	10.0	80.9	0.0
2025-08-15	6.9	4.7	10.2	67.5	1.7	6.1	102.1	0.0
2025-08-16	6.0	4.4	7.8	70.7	6.6	13.2	129.0	0.0
2025-08-17	4.9	3.7	6.4	76.6	8.6	12.8	133.6	0.0
2025-08-18	5.9	3.9	9.1	74.4	3.1	9.2	123.2	0.0
2025-08-19	5.1	3.7	7.4	71.5	6.3	11.3	81.7	0.0
2025-08-20	4.0	1.4	6.0	88.6	5.3	13.2	43.2	7.4
2025-08-21	5.1	3.0	6.9	91.2	3.2	6.1	31.8	2.4
2025-08-22	7.5	5.6	10.4	81.3	2.0	6.8	93.4	0.0
2025-08-23	8.8	3.9	13.1	70.7	3.7	8.2	114.2	0.0
2025-08-24	8.6	6.6	10.8	86.2	11.3	16.9	49.1	0.6
2025-08-25	6.4	0.9	10.2	84.5	14.4	24.3	41.5	3.4
2025-08-26	1.6	-0.6	3.8	72.1	6.9	12.2	56.2	0.0
2025-08-27	2.0	0.5	4.2	91.7	9.4	21.3	30.5	2.0
2025-08-28	0.8	-1.0	3.4	73.8	7.8	16.4	65.4	0.0
2025-08-29	-1.0	-2.5	1.3	72.7	12.4	21.2	67.7	0.0
2025-08-30	-0.5	-2.7	2.3	70.8	10.4	18.7	94.2	0.0
2025-08-31	-1.2	-3.3	0.8	81.3	8.2	18.6	30.2	0.0
2025-09-01	0.9	-0.8	2.8	66.3	9.9	20.7	100.0	0.0
2025-09-02	-0.2	-1.9	0.9	70.7	7.9	12.1	51.9	0.0
2025-09-03	-1.8	-2.8	-0.5	79.5	3.3	9.8	39.5	0.0
2025-09-04	-2.0	-3.9	-0.1	84.5	3.7	7.3	54.2	0.6
2025-09-05	-0.5	-2.8	1.8	73.9	3.3	7.4	74.7	0.0

TABLE A2: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MILNE PORT

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-09-06	-0.6	-1.4	0.6	73.6	5.2	11.6	86.1	0.0
2025-09-07	0.0	-2.8	2.2	77.8	2.7	7.2	92.0	0.0
2025-09-08	1.2	-1.3	4.7	73.4	2.4	6.3	88.8	0.0
2025-09-09	1.5	-1.5	5.7	77.3	1.3	4.9	88.6	0.0
2025-09-10	0.9	-1.0	3.1	76.7	1.9	6.8	49.6	0.0
2025-09-11	0.0	-1.7	1.7	81.1	2.7	7.3	51.6	0.0
2025-09-12	-1.1	-2.4	1.1	88.3	3.9	7.6	46.7	0.0
2025-09-13	0.1	-0.9	1.4	94.7	10.8	19.0	24.4	1.4
2025-09-14	1.4	0.2	3.4	90.4	6.2	16.4	31.1	1.4
2025-09-15	0.6	-1.2	1.7	74.7	10.9	16.7	59.1	0.0
2025-09-16	-0.3	-2.4	1.9	69.8	3.9	12.6	70.4	0.0
2025-09-17	-0.6	-2.3	1.3	75.4	4.6	9.2	50.5	0.0
2025-09-18	-0.8	-2.0	0.5	80.7	6.4	14.9	65.4	0.0
2025-09-19	-1.4	-4.6	0.8	85.0	1.9	6.7	62.1	0.0
2025-09-20	-0.4	-4.8	2.1	84.3	11.8	20.6	26.4	0.4
2025-09-21	-0.2	-1.9	0.7	97.9	3.8	10.6	30.8	1.6
2025-09-22	0.4	-2.8	2.5	91.9	8.7	19.9	9.8	3.6
2025-09-23	2.5	1.0	4.3	95.4	14.3	27.6	5.3	8.8
2025-09-24	0.5	-0.6	1.3	94.4	5.1	12.1	13.8	0.4
2025-09-25	-1.1	-2.6	0.4	80.5	5.9	12.2	42.0	0.0
2025-09-26	-1.0	-2.7	1.2	80.2	2.1	7.1	49.5	0.0
2025-09-27	-1.4	-4.1	0.4	82.1	5.5	8.9	32.7	0.0
2025-09-28	-1.1	-2.7	1.1	86.8	4.2	8.1	37.5	0.0
2025-09-29	-1.9	-5.4	0.3	85.6	3.1	12.1	33.3	0.0
2025-09-30	-4.1	-6.3	-1.7	68.4	2.9	8.5	38.4	0.0
2025-10-01	-1.5	-2.6	-0.1	81.9	10.0	18.4	14.6	0.0
2025-10-02	-0.4	-2.9	1.2	80.0	10.2	21.6	15.9	0.2
2025-10-03	-4.7	-8.4	-2.4	73.0	10.2	26.0	38.3	0.2
2025-10-04	-3.9	-6.9	-1.8	83.6	5.9	12.7	17.2	0.0
2025-10-05	-1.9	-3.4	0.7	90.6	9.8	18.9	11.4	0.0
2025-10-06	-0.1	-1.3	1.4	88.4	7.6	14.1	16.5	0.0

TABLE A2: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MILNE PORT

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-10-07	-2.7	-5.9	-1.0	86.2	6.0	13.1	21.9	0.0
2025-10-08	-6.1	-8.1	-4.1	84.5	6.4	15.6	21.3	0.0
2025-10-09	-2.6	-4.9	-0.9	92.6	12.1	23.1	12.7	0.0
2025-10-10	-1.3	-2.5	-0.4	85.6	12.4	19.5	11.2	0.0
2025-10-11	-3.1	-7.0	-1.8	91.8	6.4	13.1	17.5	0.0
2025-10-12	-8.6	-11.9	-6.5	89.0	4.7	10.0	11.8	0.0
2025-10-13	-4.8	-7.2	-2.8	92.8	12.5	24.0	10.2	0.0
2025-10-14	-6.1	-9.8	-3.6	87.6	12.6	21.4	11.9	0.0
2025-10-15	-6.1	-7.7	-4.0	83.2	5.6	18.2	21.4	0.0
2025-10-16	-4.4	-6.9	-1.6	93.6	6.3	9.6	10.3	0.0
2025-10-17	-2.2	-2.8	-1.0	93.8	12.7	20.1	7.0	0.0
2025-10-18	-1.0	-1.4	-0.5	93.8	14.1	18.6	7.2	0.0
2025-10-19	-1.5	-2.5	0.1	73.0	3.3	11.9	16.8	0.0
2025-10-20	2.2	-1.1	3.3	80.0	7.9	16.3	3.0	6.8
2025-10-21	0.6	-2.8	2.9	94.0	4.4	13.1	7.0	8.8
2025-10-22	-3.1	-3.9	-2.3	90.6	9.3	17.2	5.5	0.0
2025-10-23	-3.7	-5.4	-2.5	91.3	8.0	18.1	6.8	0.0
2025-10-24	-9.3	-14.9	-5.0	91.1	0.6	4.1	5.4	0.0
2025-10-25	-10.3	-16.2	-3.1	87.0	7.2	22.1	4.6	0.0
2025-10-26	-1.2	-3.2	-0.3	92.7	14.7	22.5	3.3	0.0
2025-10-27	-1.1	-1.9	0.5	86.3	5.4	15.2	7.4	0.0
2025-10-28	-1.9	-2.4	-0.5	96.0	6.1	13.3	4.2	0.0
2025-10-29	-7.1	-11.9	-1.9	85.9	3.7	12.0	7.5	0.0
2025-10-30	-13.9	-16.1	-11.3	86.8	0.2	2.4	3.5	0.0
2025-10-31	-12.4	-15.7	-10.1	88.2	4.6	12.2	2.2	0.0
2025-11-01	-10.0	-13.1	-7.4	90.6	0.8	4.3	1.4	0.0
2025-11-02	-12.1	-15.9	-7.8	87.3	1.6	8.5	4.1	0.0
2025-11-03	-10.5	-14.8	-5.5	88.0	5.2	17.2	0.6	0.0
2025-11-04	-6.5	-8.6	-5.0	86.4	14.6	21.2	2.1	0.0
2025-11-05	-8.0	-9.7	-6.5	80.4	1.5	8.6	2.0	0.0
2025-11-06	-6.5	-8.3	-4.9	73.5	5.2	12.5	1.9	0.0

TABLE A2: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MILNE PORT

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-11-07	-5.0	-7.0	-3.7	82.9	9.7	14.9	1.2	0.0
2025-11-08	-7.3	-7.9	-6.5	79.3	9.6	15.7	1.4	0.0
2025-11-09	-9.0	-11.4	-6.9	78.4	1.8	6.7	1.4	0.0
2025-11-10	-12.5	-15.0	-9.6	84.8	10.3	17.5	0.9	0.0
2025-11-11	-8.1	-9.7	-6.6	83.7	7.2	18.8	0.7	0.0
2025-11-12	-6.3	-8.7	-3.6	79.8	9.8	16.6	0.9	0.0
2025-11-13	-2.8	-4.3	-0.6	91.9	6.5	14.8	0.8	0.0
2025-11-14	-9.9	-15.8	-2.6	85.8	6.4	11.6	0.5	0.0
2025-11-15	-13.1	-16.4	-9.6	78.8	4.2	11.1	0.3	0.0
2025-11-16	-10.3	-12.1	-8.8	76.7	2.4	8.3	0.4	0.0
2025-11-17	-12.1	-15.5	-10.1	86.2	2.4	7.8	0.1	0.0
2025-11-18	-18.0	-20.7	-14.5	82.1	0.1	1.7	0.4	0.0
2025-11-19	-14.7	-20.7	-10.0	76.9	3.1	13.6	0.3	0.0
2025-11-20	-12.3	-17.0	-9.1	80.6	2.9	9.8	0.2	0.0
2025-11-21	-17.9	-19.1	-16.5	82.3	0.1	1.6	0.3	0.0
2025-11-22	-16.4	-18.1	-15.6	84.0	0.5	2.7	0.2	0.0
2025-11-23	-16.0	-17.9	-13.5	84.2	1.3	4.7	0.2	0.0
2025-11-24	-13.3	-15.0	-10.5	78.8	4.8	15.0	0.2	0.0
2025-11-25	-14.5	-19.9	-10.5	78.9	4.7	14.3	0.2	0.0
2025-11-26	-20.4	-22.2	-18.9	74.4	1.1	3.9	0.1	0.0
2025-11-27	-20.7	-25.5	-17.5	75.4	2.4	7.0	0.1	0.0
2025-11-28	-28.3	-31.2	-24.6	75.3	0.5	3.7	0.1	0.0
2025-11-29	-32.0	-33.7	-30.8	72.7	0.0	1.6	0.1	0.0
2025-11-30	-30.8	-33.4	-28.5	73.2	0.1	2.0	0.0	0.0
2025-12-01	-28.0	-35.1	-18.9	72.1	4.8	24.6	0.0	0.2
2025-12-02	-14.3	-21.7	-6.4	72.5	13.6	27.8	0.1	0.0
2025-12-03	-10.1	-13.1	-5.9	63.0	11.0	25.7	0.0	0.0
2025-12-04	-11.6	-13.9	-10.0	62.0	10.4	20.6	0.0	0.0
2025-12-05	-15.0	-17.4	-7.9	78.5	9.0	23.6	0.0	0.0
2025-12-06	-12.4	-15.3	-6.9	75.3	3.2	17.6	0.0	0.0
2025-12-07	-12.3	-16.1	-8.9	85.6	4.4	13.8	0.0	0.0

TABLE A2: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - MILNE PORT

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-12-08	-13.2	-17.1	-10.5	83.6	4.5	12.3	0.0	0.0
2025-12-09	-13.9	-16.3	-11.6	84.3	6.9	14.1	0.0	0.0
2025-12-10	-19.5	-23.4	-15.9	80.9	4.7	9.6	0.0	0.0
2025-12-11	-25.6	-28.7	-23.0	76.1	1.9	7.7	0.0	0.0
2025-12-12	-28.9	-30.7	-27.0	74.7	1.6	3.7	0.0	0.0
2025-12-13	-30.5	-34.3	-27.3	72.4	2.8	8.5	0.0	0.0
2025-12-14	-29.0	-33.0	-24.0	73.3	5.7	11.8	0.0	0.0
2025-12-15	-27.6	-31.0	-22.1	75.0	2.5	10.4	0.0	0.0
2025-12-16	-24.5	-27.2	-21.4	70.7	7.2	17.6	0.0	0.0
2025-12-17	-26.5	-27.8	-24.5	74.7	2.9	9.2	0.0	0.0
2025-12-18	-27.1	-30.8	-20.0	74.0	3.4	10.6	0.0	0.0
2025-12-19	-22.2	-23.7	-17.5	70.7	6.5	12.5	0.0	0.0
2025-12-20	-19.6	-22.3	-17.1	70.9	6.7	16.9	0.0	0.0
2025-12-21	-21.0	-23.3	-18.2	78.0	4.7	13.8	0.0	0.0
2025-12-22	-23.3	-27.6	-20.2	67.4	3.9	15.3	0.0	0.0
2025-12-23	-28.5	-30.9	-26.8	74.9	1.2	4.7	0.0	0.0
2025-12-24	-28.4	-30.9	-26.8	74.7	3.5	9.0	0.0	0.0
2025-12-25	-30.6	-32.6	-27.4	72.8	1.8	11.6	0.0	0.0
2025-12-26	-27.4	-30.3	-23.4	75.1	2.6	13.2	0.0	0.0
2025-12-27	-18.7	-24.1	-16.5	79.8	11.3	20.5	0.0	0.0
2025-12-28	-19.1	-25.3	-16.4	77.6	7.3	17.2	0.0	0.0
2025-12-29	-32.3	-36.8	-24.6	71.6	4.7	10.9	0.0	0.0
2025-12-30	-36.1	-38.6	-34.5	69.8	1.0	6.1	0.0	0.0
2025-12-31	-23.5	-36.6	-15.5	75.4	14.8	28.2	0.0	0.0

TABLE A3: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - STEENSBY

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-01-01	-17.7	-25.9	-10.0	69.9	6.0	13.2	0.1	0.0
2025-01-02	-23.3	-31.3	-12.7	64.9	15.0	26.1	0.1	0.0
2025-01-03	-31.6	-33.9	-24.2	57.1	14.1	24.7	0.1	0.0
2025-01-04	-24.7	-29.6	-20.2	60.6	9.1	16.0	0.1	0.0
2025-01-05	-25.2	-29.4	-21.1	67.9	9.6	12.8	0.1	0.0
2025-01-06	-28.2	-32.2	-21.4	64.1	10.6	17.2	0.2	0.0
2025-01-07	-35.9	-39.3	-30.3	54.9	4.3	12.9	0.3	0.0
2025-01-08	-32.8	-37.8	-27.8	57.5	10.1	15.0	0.3	0.0
2025-01-09	-24.1	-27.9	-21.5	63.5	4.4	9.5	0.2	0.0
2025-01-10	-25.4	-30.7	-21.0	61.7	3.4	8.4	0.2	0.0
2025-01-11	-30.0	-32.0	-26.4	59.1	6.3	10.9	0.4	0.0
2025-01-12	-31.7	-32.6	-29.9	59.8	6.6	11.1	0.6	0.0
2025-01-13	-28.0	-33.6	-23.9	64.2	3.1	7.5	0.2	0.0
2025-01-14	-28.0	-32.7	-23.7	64.2	5.2	8.6	0.5	0.0
2025-01-15	-35.7	-38.1	-28.5	55.2	5.8	9.7	0.6	0.0
2025-01-16	-37.0	-39.9	-33.4	53.7	3.0	8.5	0.6	0.0
2025-01-17	-36.0	-39.9	-29.7	54.6	7.1	13.8	0.7	0.0
2025-01-18	-27.9	-31.3	-25.0	54.0	9.4	18.3	0.8	0.0
2025-01-19	-23.6	-27.0	-20.0	56.4	9.8	22.4	1.0	0.0
2025-01-20	-18.0	-21.1	-14.1	63.5	7.1	19.5	1.1	0.0
2025-01-21	-17.8	-20.1	-14.6	68.4	9.0	19.4	1.2	0.0
2025-01-22	-19.6	-23.9	-14.3	62.1	12.5	24.8	1.7	0.0
2025-01-23	-23.7	-26.3	-17.2	62.4	10.9	18.1	2.7	0.0
2025-01-24	-24.4	-26.9	-17.6	68.2	6.9	11.8	1.5	0.0
2025-01-25	-27.6	-31.0	-23.1	64.8	11.1	18.2	2.7	0.0
2025-01-26	-26.6	-31.4	-20.6	64.9	5.9	10.4	1.6	0.0
2025-01-27	-22.4	-28.5	-18.0	59.3	8.2	15.2	3.1	0.0
2025-01-28	-16.0	-22.0	-11.9	56.7	7.8	16.0	3.7	0.0
2025-01-29	-16.7	-19.5	-13.7	55.7	6.7	17.2	6.2	0.0
2025-01-30	-23.8	-29.0	-14.6	63.0	10.1	17.1	6.1	0.0
2025-01-31	-31.6	-33.8	-28.9	59.5	15.7	24.5	5.9	0.0

TABLE A3: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - STEENSBY

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-02-01	-34.0	-35.1	-33.0	56.7	5.6	17.5	4.4	0.0
2025-02-02	-34.4	-36.1	-32.3	56.2	4.6	9.1	6.2	0.0
2025-02-03	-35.1	-36.3	-33.9	55.3	2.3	6.2	4.5	0.0
2025-02-04	-32.8	-34.7	-30.5	57.9	3.6	9.1	4.7	0.0
2025-02-05	-32.9	-36.8	-28.7	57.8	5.0	9.0	6.0	0.0
2025-02-06	-35.0	-37.6	-28.9	55.6	4.7	8.3	6.4	0.0
2025-02-07	-28.9	-31.8	-26.7	58.8	5.4	10.7	5.1	0.0
2025-02-08	-34.2	-35.4	-30.0	56.5	7.1	11.3	11.2	0.0
2025-02-09	-34.8	-35.6	-33.4	55.6	6.2	9.7	12.0	0.0
2025-02-10	-33.2	-35.4	-30.5	57.0	3.6	9.2	12.9	0.0
2025-02-11	-32.2	-35.8	-19.9	58.9	7.1	10.2	7.8	0.0
2025-02-12	-13.7	-22.0	-9.0	64.1	12.1	34.9	9.9	0.0
2025-02-13	-8.7	-17.1	-3.4	63.8	7.2	22.1	12.3	0.0
2025-02-14	-9.7	-17.1	-2.8	69.6	11.8	27.9	12.3	0.0
2025-02-15	-19.8	-21.5	-17.0	73.3	9.4	29.1	20.4	0.0
2025-02-16	-21.8	-24.0	-13.0	70.6	12.7	22.5	24.2	0.0
2025-02-17	-19.5	-21.8	-13.3	71.1	8.1	12.3	30.0	0.0
2025-02-18	-22.8	-24.4	-20.7	68.6	9.2	15.1	29.6	0.0
2025-02-19	-23.2	-25.1	-21.4	67.3	12.4	20.4	31.5	0.0
2025-02-20	-23.7	-26.1	-18.5	65.2	8.6	17.3	33.3	0.0
2025-02-21	-27.5	-31.1	-20.2	62.7	8.0	18.3	28.3	0.0
2025-02-22	-32.9	-35.5	-30.3	58.1	2.5	7.2	32.2	0.0
2025-02-23	-33.3	-35.7	-30.4	56.3	5.9	10.5	30.3	0.0
2025-02-24	-32.3	-34.4	-30.1	51.7	9.4	16.2	35.5	0.0
2025-02-25	-24.5	-30.5	-21.5	60.5	13.2	28.2	31.7	0.0
2025-02-26	-21.6	-23.7	-19.1	55.8	9.6	26.1	29.3	0.0
2025-02-27	-22.0	-29.4	-15.7	56.9	6.4	17.2	39.4	0.0
2025-02-28	-26.6	-29.7	-22.4	64.8	4.5	17.3	52.6	0.0
2025-03-01	-28.4	-33.2	-24.0	60.9	6.2	13.7	51.2	0.0
2025-03-02	-26.1	-33.1	-21.8	62.7	4.7	8.8	32.6	0.0
2025-03-03	-26.7	-30.2	-23.0	64.8	7.2	15.7	61.3	0.0

TABLE A3: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - STEENSBY

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-03-04	-27.9	-30.7	-22.4	63.4	5.1	11.5	64.7	0.0
2025-03-05	-22.7	-26.7	-20.5	68.4	7.3	13.5	37.2	0.0
2025-03-06	-18.6	-21.1	-17.0	70.8	10.4	18.0	38.5	0.0
2025-03-07	-19.1	-20.2	-18.0	67.8	11.7	18.6	43.5	0.0
2025-03-08	-18.6	-21.2	-16.1	60.1	4.0	13.6	69.8	0.0
2025-03-09	-15.5	-20.1	-13.3	65.3	13.7	27.2	35.8	0.0
2025-03-10	-10.9	-14.2	-7.9	72.3	12.8	22.1	38.5	0.0
2025-03-11	-13.4	-16.4	-8.8	74.9	8.2	16.2	60.3	0.0
2025-03-12	-12.9	-17.9	-5.3	80.6	8.4	17.8	67.3	0.0
2025-03-13	-8.7	-15.7	-5.1	80.5	12.8	26.7	47.5	0.0
2025-03-14	-18.6	-22.1	-15.6	73.1	17.6	26.8	92.8	0.0
2025-03-15	-22.5	-24.8	-20.4	61.9	10.5	19.1	79.5	0.0
2025-03-16	-24.8	-29.5	-18.6	61.5	4.4	14.1	89.2	0.0
2025-03-17	-13.3	-18.6	-10.4	71.5	22.4	37.7	58.8	0.0
2025-03-18	-10.9	-15.6	-8.4	75.8	20.7	32.7	59.2	0.0
2025-03-19	-16.6	-17.3	-15.4	70.9	4.4	12.6	65.2	0.0
2025-03-20	-19.0	-22.1	-17.2	73.1	4.2	6.5	77.4	0.0
2025-03-21	-21.9	-26.1	-15.7	70.3	2.1	6.3	102.9	0.0
2025-03-22	-27.0	-29.3	-22.8	64.4	2.9	6.4	122.2	0.0
2025-03-23	-26.8	-32.4	-23.2	64.9	4.2	10.6	85.4	0.0
2025-03-24	-30.9	-33.7	-27.2	59.6	7.1	9.8	135.8	0.0
2025-03-25	M	M	M	M	M	M	M	M
2025-03-26	M	M	M	M	M	M	M	M
2025-03-27	M	M	M	M	M	M	M	M
2025-03-28	M	M	M	M	M	M	M	M
2025-03-29	M	M	M	M	M	M	M	M
2025-03-30	M	M	M	M	M	M	M	M
2025-03-31	M	M	M	M	M	M	M	M
2025-04-01	M	M	M	M	M	M	M	M
2025-04-02	M	M	M	M	M	M	M	M
2025-04-03	M	M	M	M	M	M	M	M

TABLE A3: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - STEENSBY

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-04-04	M	M	M	M	M	M	M	M
2025-04-05	M	M	M	M	M	M	M	M
2025-04-06	M	M	M	M	M	M	M	M
2025-04-07	M	M	M	M	M	M	M	M
2025-04-08	M	M	M	M	M	M	M	M
2025-04-09	M	M	M	M	M	M	M	M
2025-04-10	M	M	M	M	M	M	M	M
2025-04-11	M	M	M	M	M	M	M	M
2025-04-12	M	M	M	M	M	M	M	M
2025-04-13	M	M	M	M	M	M	M	M
2025-04-14	M	M	M	M	M	M	M	M
2025-04-15	M	M	M	M	M	M	M	M
2025-04-16	M	M	M	M	M	M	M	M
2025-04-17	M	M	M	M	M	M	M	M
2025-04-18	M	M	M	M	M	M	M	M
2025-04-19	M	M	M	M	M	M	M	M
2025-04-20	M	M	M	M	M	M	M	M
2025-04-21	M	M	M	M	M	M	M	M
2025-04-22	M	M	M	M	M	M	M	M
2025-04-23	M	M	M	M	M	M	M	M
2025-04-24	M	M	M	M	M	M	M	M
2025-04-25	M	M	M	M	M	M	M	M
2025-04-26	M	M	M	M	M	M	M	M
2025-04-27	M	M	M	M	M	M	M	M
2025-04-28	M	M	M	M	M	M	M	M
2025-04-29	M	M	M	M	M	M	M	M
2025-04-30	M	M	M	M	M	M	M	M
2025-05-01	M	M	M	M	M	M	M	M
2025-05-02	M	M	M	M	M	M	M	M
2025-05-03	M	M	M	M	M	M	M	M
2025-05-04	M	M	M	M	M	M	M	M

TABLE A3: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - STEENSBY

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-05-05	M	M	M	M	M	M	M	M
2025-05-06	M	M	M	M	M	M	M	M
2025-05-07	M	M	M	M	M	M	M	M
2025-05-08	M	M	M	M	M	M	M	M
2025-05-09	M	M	M	M	M	M	M	M
2025-05-10	M	M	M	M	M	M	M	M
2025-05-11	M	M	M	M	M	M	M	M
2025-05-12	M	M	M	M	M	M	M	M
2025-05-13	M	M	M	M	M	M	M	M
2025-05-14	M	M	M	M	M	M	M	M
2025-05-15	M	M	M	M	M	M	M	M
2025-05-16	M	M	M	M	M	M	M	M
2025-05-17	M	M	M	M	M	M	M	M
2025-05-18	M	M	M	M	M	M	M	M
2025-05-19	M	M	M	M	M	M	M	M
2025-05-20	M	M	M	M	M	M	M	M
2025-05-21	M	M	M	M	M	M	M	M
2025-05-22	M	M	M	M	M	M	M	M
2025-05-23	M	M	M	M	M	M	M	M
2025-05-24	M	M	M	M	M	M	M	M
2025-05-25	M	M	M	M	M	M	M	M
2025-05-26	M	M	M	M	M	M	M	M
2025-05-27	M	M	M	M	M	M	M	M
2025-05-28	M	M	M	M	M	M	M	M
2025-05-29	M	M	M	M	M	M	M	M
2025-05-30	M	M	M	M	M	M	M	M
2025-05-31	M	M	M	M	M	M	M	M
2025-06-01	M	M	M	M	M	M	M	M
2025-06-02	M	M	M	M	M	M	M	M
2025-06-03	M	M	M	M	M	M	M	M
2025-06-04	M	M	M	M	M	M	M	M

TABLE A3: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - STEENSBY

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-06-05	M	M	M	M	M	M	M	M
2025-06-06	M	M	M	M	M	M	M	M
2025-06-07	M	M	M	M	M	M	M	M
2025-06-08	M	M	M	M	M	M	M	M
2025-06-09	M	M	M	M	M	M	M	M
2025-06-10	M	M	M	M	M	M	M	M
2025-06-11	M	M	M	M	M	M	M	M
2025-06-12	M	M	M	M	M	M	M	M
2025-06-13	M	M	M	M	M	M	M	M
2025-06-14	M	M	M	M	M	M	M	M
2025-06-15	M	M	M	M	M	M	M	M
2025-06-16	M	M	M	M	M	M	M	M
2025-06-17	M	M	M	M	M	M	M	M
2025-06-18	M	M	M	M	M	M	M	M
2025-06-19	M	M	M	M	M	M	M	M
2025-06-20	M	M	M	M	M	M	M	M
2025-06-21	M	M	M	M	M	M	M	M
2025-06-22	M	M	M	M	M	M	M	M
2025-06-23	M	M	M	M	M	M	M	M
2025-06-24	M	M	M	M	M	M	M	M
2025-06-25	M	M	M	M	M	M	M	M
2025-06-26	M	M	M	M	M	M	M	M
2025-06-27	M	M	M	M	M	M	M	M
2025-06-28	M	M	M	M	M	M	M	M
2025-06-29	M	M	M	M	M	M	M	M
2025-06-30	M	M	M	M	M	M	M	M
2025-07-01	M	M	M	M	M	M	M	M
2025-07-02	M	M	M	M	M	M	M	M
2025-07-03	M	M	M	M	M	M	M	M
2025-07-04	M	M	M	M	M	M	M	M
2025-07-05	M	M	M	M	M	M	M	M

**TABLE A3: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - STEENSBY**

<b>Date</b>	<b>Daily Average Temperature (°C)</b>	<b>Absolute Minimum Daily Temperature (°C)</b>	<b>Absolute Maximum Daily Temperature (°C)</b>	<b>Average Relative Humidity (%)</b>	<b>Average Wind Speed (m/s)</b>	<b>Maximum Instantaneous Wind Speed (m/s)</b>	<b>Daily Average Solar Radiation (W/m<sup>2</sup>)</b>	<b>Daily Total Rainfall (mm)</b>
2025-07-06	M	M	M	M	M	M	M	M
2025-07-07	M	M	M	M	M	M	M	M
2025-07-08	M	M	M	M	M	M	M	M
2025-07-09	M	M	M	M	M	M	M	M
2025-07-10	M	M	M	M	M	M	M	M
2025-07-11	M	M	M	M	M	M	M	M
2025-07-12	M	M	M	M	M	M	M	M
2025-07-13	M	M	M	M	M	M	M	M
2025-07-14	M	M	M	M	M	M	M	M
2025-07-15	M	M	M	M	M	M	M	M
2025-07-16	M	M	M	M	M	M	M	M
2025-07-17	M	M	M	M	M	M	M	M
2025-07-18	M	M	M	M	M	M	M	M
2025-07-19	M	M	M	M	M	M	M	M
2025-07-20	M	M	M	M	M	M	M	M
2025-07-21	M	M	M	M	M	M	M	M
2025-07-22	M	M	M	M	M	M	M	M
2025-07-23	M	M	M	M	M	M	M	M
2025-07-24	M	M	M	M	M	M	M	M
2025-07-25	M	M	M	M	M	M	M	M
2025-07-26	M	M	M	M	M	M	M	M
2025-07-27	M	M	M	M	M	M	M	M
2025-07-28	M	M	M	M	M	M	M	M
2025-07-29	M	M	M	M	M	M	M	M
2025-07-30	M	M	M	M	M	M	M	M
2025-07-31	M	M	M	M	M	M	M	M
2025-08-01	M	M	M	M	M	M	M	M
2025-08-02	M	M	M	M	M	M	M	M
2025-08-03	M	M	M	M	M	M	M	M
2025-08-04	M	M	M	M	M	M	M	M
2025-08-05	M	M	M	M	M	M	M	M

TABLE A3: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - STEENSBY

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-08-06	M	M	M	M	M	M	M	M
2025-08-07	M	M	M	M	M	M	M	M
2025-08-08	M	M	M	M	M	M	M	M
2025-08-09	M	M	M	M	M	M	M	M
2025-08-10	M	M	M	M	M	M	M	M
2025-08-11	M	M	M	M	M	M	M	M
2025-08-12	M	M	M	M	M	M	M	M
2025-08-13	M	M	M	M	M	M	M	M
2025-08-14	M	M	M	M	M	M	M	M
2025-08-15	M	M	M	M	M	M	M	M
2025-08-16	M	M	M	M	M	M	M	M
2025-08-17	M	M	M	M	M	M	M	M
2025-08-18	M	M	M	M	M	M	M	M
2025-08-19	M	M	M	M	M	M	M	M
2025-08-20	M	M	M	M	M	M	M	M
2025-08-21	M	M	M	M	M	M	M	M
2025-08-22	M	M	M	M	M	M	M	M
2025-08-23	M	M	M	M	M	M	M	M
2025-08-24	M	M	M	M	M	M	M	M
2025-08-25	M	M	M	M	M	M	M	M
2025-08-26	M	M	M	M	M	M	M	M
2025-08-27	M	M	M	M	M	M	M	M
2025-08-28	M	M	M	M	M	M	M	M
2025-08-29	M	M	M	M	M	M	M	M
2025-08-30	M	M	M	M	M	M	M	M
2025-08-31	M	M	M	M	M	M	M	M
2025-09-01	M	M	M	M	M	M	M	M
2025-09-02	M	M	M	M	M	M	M	M
2025-09-03	M	M	M	M	M	M	M	M
2025-09-04	M	M	M	M	M	M	M	M
2025-09-05	M	M	M	M	M	M	M	M

**TABLE A3: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - STEENSBY**

<b>Date</b>	<b>Daily Average Temperature (°C)</b>	<b>Absolute Minimum Daily Temperature (°C)</b>	<b>Absolute Maximum Daily Temperature (°C)</b>	<b>Average Relative Humidity (%)</b>	<b>Average Wind Speed (m/s)</b>	<b>Maximum Instantaneous Wind Speed (m/s)</b>	<b>Daily Average Solar Radiation (W/m<sup>2</sup>)</b>	<b>Daily Total Rainfall (mm)</b>
2025-09-06	M	M	M	M	M	M	M	M
2025-09-07	M	M	M	M	M	M	M	M
2025-09-08	M	M	M	M	M	M	M	M
2025-09-09	M	M	M	M	M	M	M	M
2025-09-10	M	M	M	M	M	M	M	M
2025-09-11	M	M	M	M	M	M	M	M
2025-09-12	M	M	M	M	M	M	M	M
2025-09-13	M	M	M	M	M	M	M	M
2025-09-14	M	M	M	M	M	M	M	M
2025-09-15	M	M	M	M	M	M	M	M
2025-09-16	M	M	M	M	M	M	M	M
2025-09-17	M	M	M	M	M	M	M	M
2025-09-18	M	M	M	M	M	M	M	M
2025-09-19	M	M	M	M	M	M	M	M
2025-09-20	M	M	M	M	M	M	M	M
2025-09-21	M	M	M	M	M	M	M	M
2025-09-22	M	M	M	M	M	M	M	M
2025-09-23	M	M	M	M	M	M	M	M
2025-09-24	M	M	M	M	M	M	M	M
2025-09-25	M	M	M	M	M	M	M	M
2025-09-26	M	M	M	M	M	M	M	M
2025-09-27	M	M	M	M	M	M	M	M
2025-09-28	M	M	M	M	M	M	M	M
2025-09-29	M	M	M	M	M	M	M	M
2025-09-30	M	M	M	M	M	M	M	M
2025-10-01	M	M	M	M	M	M	M	M
2025-10-02	M	M	M	M	M	M	M	M
2025-10-03	M	M	M	M	M	M	M	M
2025-10-04	M	M	M	M	M	M	M	M
2025-10-05	M	M	M	M	M	M	M	M
2025-10-06	M	M	M	M	M	M	M	M

**TABLE A3: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - STEENSBY**

<b>Date</b>	<b>Daily Average Temperature (°C)</b>	<b>Absolute Minimum Daily Temperature (°C)</b>	<b>Absolute Maximum Daily Temperature (°C)</b>	<b>Average Relative Humidity (%)</b>	<b>Average Wind Speed (m/s)</b>	<b>Maximum Instantaneous Wind Speed (m/s)</b>	<b>Daily Average Solar Radiation (W/m<sup>2</sup>)</b>	<b>Daily Total Rainfall (mm)</b>
2025-10-07	M	M	M	M	M	M	M	M
2025-10-08	M	M	M	M	M	M	M	M
2025-10-09	M	M	M	M	M	M	M	M
2025-10-10	M	M	M	M	M	M	M	M
2025-10-11	M	M	M	M	M	M	M	M
2025-10-12	M	M	M	M	M	M	M	M
2025-10-13	M	M	M	M	M	M	M	M
2025-10-14	M	M	M	M	M	M	M	M
2025-10-15	M	M	M	M	M	M	M	M
2025-10-16	M	M	M	M	M	M	M	M
2025-10-17	M	M	M	M	M	M	M	M
2025-10-18	M	M	M	M	M	M	M	M
2025-10-19	M	M	M	M	M	M	M	M
2025-10-20	M	M	M	M	M	M	M	M
2025-10-21	M	M	M	M	M	M	M	M
2025-10-22	M	M	M	M	M	M	M	M
2025-10-23	M	M	M	M	M	M	M	M
2025-10-24	M	M	M	M	M	M	M	M
2025-10-25	M	M	M	M	M	M	M	M
2025-10-26	M	M	M	M	M	M	M	M
2025-10-27	M	M	M	M	M	M	M	M
2025-10-28	M	M	M	M	M	M	M	M
2025-10-29	M	M	M	M	M	M	M	M
2025-10-30	M	M	M	M	M	M	M	M
2025-10-31	M	M	M	M	M	M	M	M
2025-11-01	M	M	M	M	M	M	M	M
2025-11-02	M	M	M	M	M	M	M	M
2025-11-03	M	M	M	M	M	M	M	M
2025-11-04	M	M	M	M	M	M	M	M
2025-11-05	M	M	M	M	M	M	M	M
2025-11-06	M	M	M	M	M	M	M	M

TABLE A3: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - STEENSBY

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-11-07	M	M	M	M	M	M	M	M
2025-11-08	M	M	M	M	M	M	M	M
2025-11-09	M	M	M	M	M	M	M	M
2025-11-10	M	M	M	M	M	M	M	M
2025-11-11	M	M	M	M	M	M	M	M
2025-11-12	M	M	M	M	M	M	M	M
2025-11-13	M	M	M	M	M	M	M	M
2025-11-14	M	M	M	M	M	M	M	M
2025-11-15	M	M	M	M	M	M	M	M
2025-11-16	M	M	M	M	M	M	M	M
2025-11-17	M	M	M	M	M	M	M	M
2025-11-18	M	M	M	M	M	M	M	M
2025-11-19	M	M	M	M	M	M	M	M
2025-11-20	M	M	M	M	M	M	M	M
2025-11-21	M	M	M	M	M	M	M	M
2025-11-22	M	M	M	M	M	M	M	M
2025-11-23	M	M	M	M	M	M	M	M
2025-11-24	M	M	M	M	M	M	M	M
2025-11-25	M	M	M	M	M	M	M	M
2025-11-26	M	M	M	M	M	M	M	M
2025-11-27	M	M	M	M	M	M	M	M
2025-11-28	M	M	M	M	M	M	M	M
2025-11-29	M	M	M	M	M	M	M	M
2025-11-30	M	M	M	M	M	M	M	M
2025-12-01	M	M	M	M	M	M	M	M
2025-12-02	M	M	M	M	M	M	M	M
2025-12-03	M	M	M	M	M	M	M	M
2025-12-04	M	M	M	M	M	M	M	M
2025-12-05	M	M	M	M	M	M	M	M
2025-12-06	M	M	M	M	M	M	M	M
2025-12-07	M	M	M	M	M	M	M	M

TABLE A3: SUMMARY OF 2025 DAILY METEOROLOGICAL MONITORING DATA - STEENSBY

Date	Daily Average Temperature (°C)	Absolute Minimum Daily Temperature (°C)	Absolute Maximum Daily Temperature (°C)	Average Relative Humidity (%)	Average Wind Speed (m/s)	Maximum Instantaneous Wind Speed (m/s)	Daily Average Solar Radiation (W/m <sup>2</sup> )	Daily Total Rainfall (mm)
2025-12-08	M	M	M	M	M	M	M	M
2025-12-09	M	M	M	M	M	M	M	M
2025-12-10	M	M	M	M	M	M	M	M
2025-12-11	M	M	M	M	M	M	M	M
2025-12-12	M	M	M	M	M	M	M	M
2025-12-13	M	M	M	M	M	M	M	M
2025-12-14	M	M	M	M	M	M	M	M
2025-12-15	M	M	M	M	M	M	M	M
2025-12-16	M	M	M	M	M	M	M	M
2025-12-17	M	M	M	M	M	M	M	M
2025-12-18	M	M	M	M	M	M	M	M
2025-12-19	M	M	M	M	M	M	M	M
2025-12-20	M	M	M	M	M	M	M	M
2025-12-21	M	M	M	M	M	M	M	M
2025-12-22	M	M	M	M	M	M	M	M
2025-12-23	M	M	M	M	M	M	M	M
2025-12-24	M	M	M	M	M	M	M	M
2025-12-25	M	M	M	M	M	M	M	M
2025-12-26	M	M	M	M	M	M	M	M
2025-12-27	M	M	M	M	M	M	M	M
2025-12-28	M	M	M	M	M	M	M	M
2025-12-29	M	M	M	M	M	M	M	M
2025-12-30	M	M	M	M	M	M	M	M
2025-12-31	M	M	M	M	M	M	M	M

# APPENDIX B      SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA AT MINE SITE COMPLEX AND PORT SITE COMPLEX AMBIENT AIR QUALITY STATIONS

TABLE B1: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - MSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-01-01	54.8	120.3	0.9	M	M	M	28.2	232.0
2025-01-02	48.7	112.3	10.8	M	M	M	5.7	102.6
2025-01-03	69.9	109.6	32.4	M	M	M	5.8	219.3
2025-01-04	35.6	60.8	23.4	M	M	M	3.8	40.4
2025-01-05	44.3	75.7	22.0	M	M	M	5.9	19.6
2025-01-06	25.9	42.5	7.7	M	M	M	4.0	15.9
2025-01-07	63.1	102.1	25.9	M	M	M	M	M
2025-01-08	46.3	66.9	27.6	M	M	M	5.3	139.4
2025-01-09	43.7	71.7	12.8	M	M	M	2.8	45.5
2025-01-10	79.9	127.1	17.3	M	M	M	17.5	60.0
2025-01-11	102.8	145.8	51.3	M	M	M	29.6	73.3
2025-01-12	100.6	127.1	65.8	M	M	M	38.7	150.6
2025-01-13	92.7	147.1	58.1	M	M	M	23.9	143.2
2025-01-14	88.2	157.8	39.3	M	M	M	9.1	43.5
2025-01-15	107.9	143.4	73.2	M	M	M	M	M
2025-01-16	109.9	131.4	66.4	M	M	M	M	M
2025-01-17	107.8	155.5	73.3	M	M	M	M	M
2025-01-18	23.3	92.9	1.3	M	M	M	51.2	188.3
2025-01-19	4.6	9.8	1.3	M	M	M	43.7	76.5
2025-01-20	6.5	32.8	1.3	M	M	M	18.1	40.5
2025-01-21	6.7	21.8	0.0	M	M	M	8.9	16.0
2025-01-22	23.6	85.6	0.1	M	M	M	16.4	35.0
2025-01-23	59.5	116.3	6.2	M	M	M	17.5	51.8
2025-01-24	32.2	92.7	11.4	M	M	M	5.2	16.0
2025-01-25	36.8	105.1	13.3	M	M	M	8.5	32.8
2025-01-26	72.7	125.8	12.8	M	M	M	16.1	60.0
2025-01-27	26.6	67.0	4.4	M	M	M	10.8	22.6
2025-01-28	39.4	104.5	3.3	M	M	M	17.8	34.5
2025-01-29	46.2	94.7	7.5	M	M	M	24.2	66.8
2025-01-30	69.0	118.0	12.7	M	M	M	37.8	120.1
2025-01-31	52.8	113.3	15.4	M	M	M	58.3	175.7
2025-02-01	89.6	146.7	38.9	M	M	M	33.3	153.6

TABLE B1: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - MSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-02-02	85.7	128.6	46.4	M	M	M	15.3	54.0
2025-02-03	84.5	107.5	56.5	M	M	M	M	M
2025-02-04	84.3	120.4	61.1	M	M	M	13.4	16.6
2025-02-05	89.6	139.3	40.1	M	M	M	M	M
2025-02-06	68.7	84.8	49.8	M	M	M	M	M
2025-02-07	85.6	133.0	55.2	M	M	M	25.9	10.6
2025-02-08	74.0	120.1	42.8	M	M	M	26.5	9.2
2025-02-09	84.9	117.0	55.3	M	M	M	10.4	8.5
2025-02-10	83.0	131.3	42.6	M	M	M	8.4	7.7
2025-02-11	40.6	136.2	1.0	M	M	M	59.0	97.5
2025-02-12	5.2	23.6	0.5	M	M	M	122.3	103.0
2025-02-13	1.3	3.6	0.5	M	M	M	98.0	57.1
2025-02-14	9.5	25.6	0.6	M	M	M	75.6	163.0
2025-02-15	20.9	45.7	2.2	M	M	M	79.9	257.9
2025-02-16	65.3	109.8	14.1	M	M	M	50.4	141.8
2025-02-17	31.5	64.6	8.0	M	M	M	33.5	98.5
2025-02-18	39.5	89.9	14.5	M	M	M	18.4	54.5
2025-02-19	72.4	111.3	22.9	M	M	M	71.3	221.5
2025-02-20	58.7	113.3	4.7	M	M	M	84.3	290.5
2025-02-21	17.0	27.9	2.8	M	M	M	29.6	209.5
2025-02-22	20.5	37.6	6.6	M	M	M	M	M
2025-02-23	20.8	34.8	8.7	M	M	M	M	M
2025-02-24	21.9	49.3	1.7	M	M	M	41.5	139.4
2025-02-25	M	M	M	M	M	M	284.4	233.0
2025-02-26	24.4	79.3	4.9	M	M	M	58.3	76.6
2025-02-27	64.7	115.9	18.8	M	M	M	51.8	185.2
2025-02-28	24.6	73.6	5.6	M	M	M	51.4	275.8
2025-03-01	48.5	85.9	12.2	M	M	M	21.0	78.3
2025-03-02	57.9	144.5	15.7	M	M	M	42.1	208.2
2025-03-03	45.1	98.9	2.6	M	M	M	M	M
2025-03-04	61.7	119.7	29.3	M	M	M	M	M
2025-03-05	41.4	73.4	17.3	M	M	M	M	M

**TABLE B1: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - MSC**

<b>Date</b>	<b>Mean Daily NO<sub>2</sub> (µg/m<sup>3</sup>)</b>	<b>Daily 1-hour Max NO<sub>2</sub> (µg/m<sup>3</sup>)</b>	<b>Daily 1-hour Min NO<sub>2</sub> (µg/m<sup>3</sup>)</b>	<b>Mean Daily SO<sub>2</sub> (µg/m<sup>3</sup>)</b>	<b>Daily 1-hour Max SO<sub>2</sub> (µg/m<sup>3</sup>)</b>	<b>Daily 1-hour Min SO<sub>2</sub> (µg/m<sup>3</sup>)</b>	<b>Daily PM<sub>2.5</sub> (µg/m<sup>3</sup>)</b>	<b>Daily TSP (µg/m<sup>3</sup>)</b>
2025-03-06	13.3	22.4	7.5	M	M	M	38.6	137.5
2025-03-07	23.4	55.2	10.7	M	M	M	37.8	68.0
2025-03-08	33.0	87.3	2.0	M	M	M	116.1	69.5
2025-03-09	8.2	59.6	0.3	M	M	M	189.6	100.3
2025-03-10	11.0	25.7	1.2	M	M	M	46.2	42.8
2025-03-11	23.5	53.1	0.8	M	M	M	75.6	122.0
2025-03-12	12.7	43.3	1.5	M	M	M	73.2	54.0
2025-03-13	15.8	42.5	1.1	M	M	M	84.5	107.5
2025-03-14	25.2	40.3	6.3	M	M	M	140.5	568.6
2025-03-15	23.6	72.1	7.3	M	M	M	39.4	48.3
2025-03-16	62.6	105.8	25.0	M	M	M	43.4	78.0
2025-03-17	6.7	41.3	0.7	M	M	M	255.4	201.4
2025-03-18	2.6	8.7	0.3	M	M	M	96.6	53.7
2025-03-19	10.9	41.8	1.5	M	M	M	19.6	42.2
2025-03-20	39.2	57.4	6.8	M	M	M	41.1	119.8
2025-03-21	51.6	92.5	9.4	M	M	M	21.5	56.8
2025-03-22	60.6	137.4	13.8	M	M	M	50.7	161.8
2025-03-23	61.6	99.7	21.3	M	M	M	37.5	102.5
2025-03-24	62.0	109.9	17.6	M	M	M	48.3	143.7
2025-03-25	46.1	101.7	14.9	M	M	M	45.1	128.8
2025-03-26	25.2	45.6	10.4	M	M	M	M	M
2025-03-27	50.6	84.6	21.7	M	M	M	75.7	181.4
2025-03-28	37.2	81.1	11.8	M	M	M	75.8	170.5
2025-03-29	50.4	85.8	7.2	M	M	M	173.3	331.0
2025-03-30	59.3	115.5	15.4	M	M	M	M	M
2025-03-31	53.9	106.8	6.8	M	M	M	M	M
2025-04-01	53.7	104.7	8.2	M	M	M	M	M
2025-04-02	43.6	86.6	11.2	M	M	M	M	M
2025-04-03	29.3	50.9	7.5	M	M	M	M	M
2025-04-04	55.5	109.4	19.0	M	M	M	M	M
2025-04-05	50.7	116.0	12.9	M	M	M	15.9	453.0
2025-04-06	43.6	81.0	15.4	M	M	M	M	M

TABLE B1: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - MSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-04-07	44.5	92.5	10.6	M	M	M	M	M
2025-04-08	35.7	85.5	6.7	M	M	M	18.5	325.0
2025-04-09	44.8	121.9	8.1	M	M	M	22.0	433.9
2025-04-10	34.4	73.1	9.1	M	M	M	30.5	549.8
2025-04-11	30.5	92.8	3.0	M	M	M	M	M
2025-04-12	32.9	81.8	1.5	M	M	M	M	M
2025-04-13	22.8	70.2	1.1	M	M	M	M	M
2025-04-14	32.1	99.8	0.7	M	M	M	M	M
2025-04-15	11.7	52.5	0.3	M	M	M	M	M
2025-04-16	8.8	26.1	2.1	M	M	M	M	M
2025-04-17	22.5	62.2	1.7	M	M	M	M	M
2025-04-18	25.7	68.4	5.3	M	M	M	M	M
2025-04-19	20.0	54.9	6.1	M	M	M	16.9	702.5
2025-04-20	26.5	48.1	8.2	M	M	M	3.3	239.8
2025-04-21	41.1	67.6	16.5	M	M	M	6.8	369.9
2025-04-22	24.8	55.2	1.4	M	M	M	7.5	154.0
2025-04-23	36.0	80.8	11.1	M	M	M	5.1	76.6
2025-04-24	19.9	49.4	6.1	M	M	M	3.1	151.5
2025-04-25	20.9	43.5	4.6	M	M	M	0.2	139.5
2025-04-26	13.7	51.1	4.4	M	M	M	0.4	62.7
2025-04-27	17.6	54.7	3.8	M	M	M	6.8	288.0
2025-04-28	11.8	31.9	1.9	M	M	M	5.1	311.8
2025-04-29	8.6	15.2	0.9	M	M	M	1.9	373.0
2025-04-30	8.1	35.9	2.7	M	M	M	5.3	395.4
2025-05-01	9.6	56.9	0.5	M	M	M	22.5	762.7
2025-05-02	6.6	18.0	2.3	M	M	M	4.2	495.7
2025-05-03	12.3	18.6	6.3	M	M	M	2.5	293.1
2025-05-04	11.8	18.6	3.8	M	M	M	0.5	71.4
2025-05-05	15.0	47.0	1.1	M	M	M	6.3	323.2
2025-05-06	6.1	31.5	0.3	M	M	M	-0.4	140.5
2025-05-07	14.1	26.8	5.1	M	M	M	11.5	559.8
2025-05-08	7.9	25.9	0.5	M	M	M	10.1	741.7

TABLE B1: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - MSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-05-09	0.8	2.8	0.0	M	M	M	21.3	475.2
2025-05-10	2.2	20.7	0.0	M	M	M	26.2	115.4
2025-05-11	8.4	31.7	0.2	M	M	M	4.8	249.9
2025-05-12	13.6	29.0	1.9	M	M	M	0.5	194.6
2025-05-13	8.2	20.8	0.0	M	M	M	2.6	375.6
2025-05-14	3.5	12.1	0.2	M	M	M	13.0	352.5
2025-05-15	8.9	21.4	1.1	M	M	M	16.7	174.5
2025-05-16	3.5	13.8	0.5	M	M	M	2.4	185.0
2025-05-17	7.0	23.0	0.2	M	M	M	1.3	206.0
2025-05-18	7.4	13.2	2.6	M	M	M	0.6	134.5
2025-05-19	3.4	22.6	0.0	M	M	M	5.5	550.8
2025-05-20	9.2	22.7	2.2	M	M	M	M	M
2025-05-21	11.7	30.1	1.4	M	M	M	3.4	176.2
2025-05-22	6.7	17.6	0.1	M	M	M	0.2	26.6
2025-05-23	10.1	38.0	1.7	M	M	M	-0.8	97.5
2025-05-24	18.1	27.8	9.0	M	M	M	1.0	175.9
2025-05-25	12.3	24.4	1.0	M	M	M	-1.2	61.9
2025-05-26	11.5	27.4	1.4	M	M	M	3.3	245.8
2025-05-27	13.1	25.6	4.4	M	M	M	-0.4	64.8
2025-05-28	7.5	14.7	0.9	M	M	M	-1.6	30.2
2025-05-29	10.1	48.2	0.9	M	M	M	0.6	132.4
2025-05-30	18.6	52.8	3.1	M	M	M	2.9	313.1
2025-05-31	19.1	38.6	6.9	M	M	M	3.4	271.5
2025-06-01	15.1	32.8	2.1	M	M	M	3.6	241.9
2025-06-02	11.6	36.6	2.7	M	M	M	1.7	372.1
2025-06-03	15.2	28.7	7.8	M	M	M	1.6	181.8
2025-06-04	15.3	42.4	1.9	M	M	M	1.6	275.4
2025-06-05	12.2	24.6	1.0	M	M	M	1.8	202.1
2025-06-06	8.3	24.6	0.2	M	M	M	-0.1	224.0
2025-06-07	7.0	19.3	0.5	M	M	M	-2.9	66.6
2025-06-08	5.1	33.7	0.6	M	M	M	-2.6	60.8
2025-06-09	3.7	16.5	0.4	M	M	M	-1.7	33.7

TABLE B1: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - MSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-06-10	0.8	3.4	0.0	M	M	M	-2.0	41.8
2025-06-11	6.1	15.1	0.4	M	M	M	1.3	331.4
2025-06-12	13.1	23.2	3.4	M	M	M	1.3	209.5
2025-06-13	8.5	29.1	1.0	M	M	M	-1.4	45.1
2025-06-14	11.3	25.7	1.2	M	M	M	0.7	38.7
2025-06-15	5.8	17.6	0.4	M	M	M	0.5	97.9
2025-06-16	6.2	26.5	0.1	M	M	M	1.5	163.0
2025-06-17	10.4	23.2	0.0	M	M	M	2.7	194.2
2025-06-18	5.4	10.1	0.4	M	M	M	0.3	103.5
2025-06-19	3.2	8.7	0.1	M	M	M	2.7	430.7
2025-06-20	4.3	17.6	0.4	M	M	M	2.4	358.2
2025-06-21	9.0	36.4	1.7	M	M	M	6.2	339.8
2025-06-22	9.3	37.0	1.3	M	M	M	2.8	241.9
2025-06-23	13.8	29.9	4.2	M	M	M	4.1	264.6
2025-06-24	12.0	31.5	0.3	M	M	M	1.8	219.7
2025-06-25	9.6	33.3	0.0	M	M	M	3.0	233.2
2025-06-26	9.1	40.7	0.0	M	M	M	5.7	368.8
2025-06-27	1.6	4.2	0.0	M	M	M	1.5	189.8
2025-06-28	4.2	12.3	0.7	M	M	M	2.1	188.9
2025-06-29	4.4	15.7	0.0	M	M	M	0.4	91.9
2025-06-30	2.0	7.2	0.0	M	M	M	0.3	94.2
2025-07-01	5.8	14.1	0.0	M	M	M	-0.8	37.5
2025-07-02	8.4	20.7	2.3	M	M	M	-0.6	41.5
2025-07-03	7.1	22.0	0.1	M	M	M	-0.5	81.8
2025-07-04	12.5	42.5	1.6	M	M	M	1.2	158.2
2025-07-05	9.3	20.6	1.4	M	M	M	1.0	51.8
2025-07-06	7.1	21.1	0.4	M	M	M	0.9	81.4
2025-07-07	4.5	28.4	0.0	M	M	M	0.2	80.8
2025-07-08	6.7	43.6	0.4	M	M	M	2.0	265.1
2025-07-09	8.4	26.4	1.2	M	M	M	4.1	163.7
2025-07-10	8.3	12.7	1.9	M	M	M	10.4	50.3
2025-07-11	11.2	56.9	2.0	M	M	M	3.5	8.9

TABLE B1: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - MSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-07-12	3.7	17.6	0.3	M	M	M	1.1	5.9
2025-07-13	8.0	31.1	1.6	M	M	M	1.3	6.0
2025-07-14	5.4	17.0	0.7	M	M	M	1.0	6.9
2025-07-15	0.5	1.3	0.0	M	M	M	0.6	4.7
2025-07-16	6.8	17.9	0.2	M	M	M	2.7	7.1
2025-07-17	7.4	22.2	1.5	M	M	M	0.0	7.0
2025-07-18	7.4	22.5	0.0	M	M	M	3.8	12.0
2025-07-19	3.8	15.1	0.0	M	M	M	1.2	6.8
2025-07-20	6.9	27.7	0.0	M	M	M	1.1	97.1
2025-07-21	7.6	17.5	0.2	M	M	M	1.5	126.2
2025-07-22	7.4	21.2	0.8	M	M	M	2.5	44.7
2025-07-23	6.5	20.5	0.6	M	M	M	3.1	66.3
2025-07-24	8.3	22.2	1.3	M	M	M	1.8	55.8
2025-07-25	9.9	28.4	2.1	M	M	M	4.7	300.5
2025-07-26	7.2	18.6	0.8	M	M	M	2.8	314.7
2025-07-27	5.8	30.0	0.5	M	M	M	0.9	63.4
2025-07-28	5.2	17.3	0.0	M	M	M	1.5	23.1
2025-07-29	8.5	34.6	0.4	M	M	M	4.8	313.5
2025-07-30	8.4	23.3	1.3	M	M	M	8.2	426.6
2025-07-31	7.2	18.7	2.0	M	M	M	6.5	269.0
2025-08-01	9.1	20.7	0.9	M	M	M	12.6	482.1
2025-08-02	5.3	20.6	0.0	M	M	M	5.5	202.0
2025-08-03	3.7	22.6	0.0	M	M	M	2.8	187.6
2025-08-04	8.9	26.9	0.5	M	M	M	0.3	6.7
2025-08-05	0.7	5.7	0.0	M	M	M	M	M
2025-08-06	8.4	25.8	0.9	M	M	M	M	M
2025-08-07	3.9	30.3	0.0	M	M	M	1.1	11.1
2025-08-08	4.7	14.2	0.0	M	M	M	0.1	6.4
2025-08-09	1.4	6.9	0.0	M	M	M	-0.8	4.9
2025-08-10	4.6	22.5	0.2	M	M	M	0.2	5.5
2025-08-11	M	M	M	M	M	M	1.1	9.3
2025-08-12	5.4	16.1	1.5	M	M	M	2.3	31.2

TABLE B1: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - MSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-08-13	12.6	24.4	1.6	M	M	M	2.3	43.9
2025-08-14	9.4	18.4	1.9	M	M	M	1.2	49.0
2025-08-15	10.3	23.9	1.0	M	M	M	0.2	12.7
2025-08-16	8.0	20.6	1.2	M	M	M	1.4	13.5
2025-08-17	9.3	21.5	3.7	M	M	M	0.3	62.8
2025-08-18	9.7	28.9	0.1	M	M	M	3.9	161.3
2025-08-19	8.8	25.1	0.6	M	M	M	1.2	93.9
2025-08-20	13.2	25.2	1.5	M	M	M	0.1	7.5
2025-08-21	5.6	20.3	0.5	M	M	M	0.8	7.0
2025-08-22	3.7	17.1	0.2	M	M	M	1.3	7.8
2025-08-23	13.6	35.0	2.6	M	M	M	0.0	12.2
2025-08-24	14.7	32.0	4.7	M	M	M	M	18.1
2025-08-25	4.3	11.0	0.1	M	M	M	M	11.1
2025-08-26	1.5	9.3	0.1	M	M	M	M	9.1
2025-08-27	12.1	26.4	1.3	M	M	M	M	12.1
2025-08-28	3.7	19.1	0.3	M	M	M	M	8.5
2025-08-29	4.0	12.5	0.2	M	M	M	1.3	29.6
2025-08-30	3.2	10.6	0.3	M	M	M	0.2	57.5
2025-08-31	5.1	13.7	1.7	M	M	M	0.0	80.6
2025-09-01	0.7	4.6	0.0	M	M	M	-0.7	41.1
2025-09-02	3.1	16.2	0.0	M	M	M	-0.7	20.1
2025-09-03	6.2	27.6	1.1	M	M	M	-0.5	9.6
2025-09-04	6.8	33.1	0.5	M	M	M	0.8	7.3
2025-09-05	12.4	30.6	2.1	M	M	M	1.3	5.9
2025-09-06	5.7	14.1	1.0	M	M	M	-0.3	23.5
2025-09-07	24.2	37.1	5.8	M	M	M	1.5	104.0
2025-09-08	25.4	57.7	3.5	M	M	M	3.0	83.5
2025-09-09	19.5	40.6	2.2	M	M	M	0.8	71.9
2025-09-10	17.1	68.8	1.7	M	M	M	3.4	55.0
2025-09-11	12.7	35.2	1.6	M	M	M	1.3	56.7
2025-09-12	8.4	40.3	0.4	M	M	M	0.5	23.3
2025-09-13	12.9	24.9	5.6	M	M	M	0.3	19.2

**TABLE B1: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - MSC**

<b>Date</b>	<b>Mean Daily NO<sub>2</sub> (µg/m<sup>3</sup>)</b>	<b>Daily 1-hour Max NO<sub>2</sub> (µg/m<sup>3</sup>)</b>	<b>Daily 1-hour Min NO<sub>2</sub> (µg/m<sup>3</sup>)</b>	<b>Mean Daily SO<sub>2</sub> (µg/m<sup>3</sup>)</b>	<b>Daily 1-hour Max SO<sub>2</sub> (µg/m<sup>3</sup>)</b>	<b>Daily 1-hour Min SO<sub>2</sub> (µg/m<sup>3</sup>)</b>	<b>Daily PM<sub>2.5</sub> (µg/m<sup>3</sup>)</b>	<b>Daily TSP (µg/m<sup>3</sup>)</b>
2025-09-14	4.7	9.6	0.8	M	M	M	-1.3	6.2
2025-09-15	3.9	26.9	0.1	M	M	M	0.7	7.8
2025-09-16	15.4	53.2	1.6	M	M	M	2.2	15.4
2025-09-17	6.6	36.9	0.0	M	M	M	1.6	139.8
2025-09-18	16.2	36.9	2.9	M	M	M	1.0	132.2
2025-09-19	25.7	68.0	4.0	M	M	M	1.4	195.3
2025-09-20	10.7	18.1	3.7	M	M	M	0.5	109.4
2025-09-21	15.1	25.5	5.7	M	M	M	2.2	14.5
2025-09-22	10.3	28.8	3.2	M	M	M	-0.5	24.0
2025-09-23	6.6	12.9	1.8	M	M	M	0.0	7.1
2025-09-24	6.6	24.0	1.0	M	M	M	0.5	7.8
2025-09-25	3.1	13.8	0.1	M	M	M	-0.3	60.0
2025-09-26	14.0	34.6	0.1	M	M	M	1.6	76.7
2025-09-27	28.2	58.2	14.5	M	M	M	2.8	105.3
2025-09-28	38.2	70.6	19.2	M	M	M	2.8	147.2
2025-09-29	18.8	44.3	0.4	M	M	M	1.5	54.2
2025-09-30	11.4	37.6	0.1	M	M	M	2.8	254.6
2025-10-01	12.7	24.4	1.9	M	M	M	4.2	447.8
2025-10-02	3.5	14.1	0.1	M	M	M	2.0	393.9
2025-10-03	5.4	22.7	0.0	M	M	M	3.2	227.7
2025-10-04	11.1	27.5	0.8	M	M	M	2.4	110.5
2025-10-05	4.2	10.1	1.5	M	M	M	0.6	182.5
2025-10-06	5.6	45.1	1.6	M	M	M	0.8	51.8
2025-10-07	4.6	34.3	0.0	M	M	M	0.8	55.4
2025-10-08	12.6	30.5	2.1	M	M	M	3.5	40.5
2025-10-09	6.3	19.0	0.0	M	M	M	0.8	44.7
2025-10-10	8.7	20.8	0.7	M	M	M	-0.3	115.9
2025-10-11	13.1	39.9	1.0	M	M	M	-0.9	76.4
2025-10-12	12.7	28.6	0.2	M	M	M	0.4	37.2
2025-10-13	7.2	17.4	0.1	M	M	M	0.4	100.5
2025-10-14	11.8	35.4	5.0	M	M	M	0.9	24.9
2025-10-15	11.4	34.9	2.7	M	M	M	1.5	72.5

TABLE B1: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - MSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-10-16	22.5	43.8	9.5	M	M	M	3.0	75.5
2025-10-17	19.0	25.5	13.8	M	M	M	1.7	56.8
2025-10-18	20.4	39.4	5.2	M	M	M	2.5	31.7
2025-10-19	M	M	M	M	M	M	0.5	63.9
2025-10-20	2.7	5.5	1.0	M	M	M	0.3	23.6
2025-10-21	13.6	31.4	0.8	M	M	M	2.4	9.6
2025-10-22	4.2	17.7	0.3	M	M	M	0.6	11.6
2025-10-23	7.3	24.1	0.4	M	M	M	1.2	21.8
2025-10-24	68.5	112.3	2.5	M	M	M	2.2	18.0
2025-10-25	48.1	181.0	7.2	M	M	M	0.2	139.0
2025-10-26	11.5	27.4	3.0	M	M	M	-1.0	23.5
2025-10-27	10.4	29.3	3.0	M	M	M	2.0	44.5
2025-10-28	16.0	50.8	0.2	M	M	M	1.3	34.4
2025-10-29	39.7	78.5	0.9	M	M	M	3.2	45.6
2025-10-30	77.0	118.8	19.3	M	M	M	4.2	19.4
2025-10-31	43.9	87.6	17.8	M	M	M	2.5	22.3
2025-11-01	28.1	43.1	7.0	M	M	M	2.5	37.4
2025-11-02	25.8	61.3	4.6	M	M	M	1.0	25.0
2025-11-03	13.1	23.6	6.8	M	M	M	0.1	28.0
2025-11-04	18.9	37.3	8.2	M	M	M	-0.5	46.8
2025-11-05	8.5	19.5	0.3	M	M	M	-0.4	18.0
2025-11-06	3.5	7.7	0.0	M	M	M	0.3	33.0
2025-11-07	9.3	28.3	0.8	M	M	M	0.3	26.8
2025-11-08	44.9	103.6	1.2	M	M	M	6.6	66.1
2025-11-09	29.1	64.0	10.0	M	M	M	1.3	92.0
2025-11-10	17.1	32.7	3.2	M	M	M	14.8	87.3
2025-11-11	11.5	40.4	0.0	M	M	M	25.0	53.1
2025-11-12	4.1	12.6	0.2	M	M	M	0.0	35.6
2025-11-13	11.9	45.4	0.0	M	M	M	0.7	21.0
2025-11-14	20.2	43.7	1.8	M	M	M	2.1	19.0
2025-11-15	20.2	46.9	1.8	M	M	M	0.1	33.4
2025-11-16	27.8	78.4	2.4	M	M	M	1.0	24.8

TABLE B1: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - MSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-11-17	98.9	145.9	54.9	M	M	M	5.6	69.9
2025-11-18	98.6	172.2	23.3	M	M	M	5.5	60.2
2025-11-19	70.5	134.2	22.7	M	M	M	3.3	50.3
2025-11-20	72.5	109.9	26.8	M	M	M	M	M
2025-11-21	95.8	198.4	2.3	M	M	M	M	M
2025-11-22	94.3	160.3	60.5	M	M	M	4.8	62.8
2025-11-23	78.0	137.6	37.6	M	M	M	3.7	41.0
2025-11-24	57.1	87.5	16.2	M	M	M	3.8	36.2
2025-11-25	52.9	90.2	2.6	M	M	M	2.5	38.3
2025-11-26	60.2	99.5	2.6	M	M	M	3.7	101.6
2025-11-27	63.3	91.1	27.0	M	M	M	M	M
2025-11-28	102.0	148.9	50.1	M	M	M	M	M
2025-11-29	102.0	138.6	72.0	M	M	M	M	M
2025-11-30	82.4	144.2	12.4	M	M	M	M	M
2025-12-01	11.5	33.5	0.1	M	M	M	M	M
2025-12-02	5.6	26.3	0.5	M	M	M	M	M
2025-12-03	2.9	13.3	0.4	M	M	M	M	M
2025-12-04	11.3	45.6	0.2	M	M	M	10.4	54.7
2025-12-05	20.3	73.7	0.5	M	M	M	7.2	45.1
2025-12-06	31.1	94.8	1.4	M	M	M	2.9	39.2
2025-12-07	24.4	82.7	0.4	M	M	M	4.1	43.6
2025-12-08	42.7	119.1	10.6	M	M	M	1.9	22.5
2025-12-09	52.8	121.2	15.8	M	M	M	5.4	26.2
2025-12-10	43.5	97.2	3.8	M	M	M	3.6	69.6
2025-12-11	47.0	85.7	1.6	M	M	M	7.0	84.1
2025-12-12	61.4	143.1	23.7	M	M	M	5.3	40.1
2025-12-13	66.6	118.3	19.2	M	M	M	9.1	146.4
2025-12-14	28.6	56.3	17.3	M	M	M	11.9	499.7
2025-12-15	29.9	56.6	11.7	M	M	M	5.0	137.8
2025-12-16	23.1	48.4	11.0	M	M	M	3.3	69.1
2025-12-17	36.4	74.2	14.9	M	M	M	5.7	36.3
2025-12-18	63.3	106.6	23.6	M	M	M	M	M

TABLE B1: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - MSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-12-19	69.5	121.7	0.8	M	M	M	M	M
2025-12-20	7.1	43.2	0.1	M	M	M	M	M
2025-12-21	24.3	55.0	0.9	M	M	M	M	M
2025-12-22	19.4	36.9	9.5	M	M	M	M	M
2025-12-23	14.3	32.2	1.1	M	M	M	M	M
2025-12-24	24.1	98.1	1.6	M	M	M	M	M
2025-12-25	77.6	136.8	15.2	M	M	M	M	M
2025-12-26	10.6	20.9	4.9	M	M	M	M	M
2025-12-27	33.2	52.6	4.4	M	M	M	317.3	411.3
2025-12-28	25.0	44.8	10.8	M	M	M	171.6	132.3
2025-12-29	63.8	98.6	25.0	M	M	M	13.6	123.5
2025-12-30	73.4	110.2	32.4	M	M	M	9.0	44.0
2025-12-31	11.8	92.6	0.1	M	M	M	562.2	262.6

TABLE B2: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - PSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-01-01	1.5	6.3	0.5	2.1	2.5	1.3	M	M
2025-01-02	15.3	52.6	0.8	2.5	4	1.9	7.2	16.3
2025-01-03	55.7	89.0	33.0	2.7	3.9	1.9	7.4	19.1
2025-01-04	47.9	74.6	14.2	3	10	0.9	6.0	14.1
2025-01-05	32.0	67.0	7.3	2.7	4.4	1.5	4.9	10.0
2025-01-06	46.9	78.0	16.6	3.2	4.8	2	5.0	12.6
2025-01-07	26.6	80.0	2.3	2.8	3.8	2.2	4.9	29.9
2025-01-08	24.0	70.9	2.7	2	2.7	1	4.0	29.6
2025-01-09	21.4	59.7	0.6	1.8	3.6	0.9	3.7	12.2
2025-01-10	3.0	16.7	0.5	1.6	2.1	1.1	1.9	11.1
2025-01-11	35.8	120.4	1.1	2.4	6.4	1.4	4.9	6.4
2025-01-12	64.8	121.5	11.0	3.1	5.7	1.6	18.3	6.4
2025-01-13	72.0	129.4	34.3	3.7	5.7	2.2	6.0	12.1
2025-01-14	73.2	132.2	14.3	4.8	8.7	2.1	5.6	8.3
2025-01-15	77.9	170.9	42.7	4.3	9.2	2.9	M	M
2025-01-16	62.5	115.6	28.7	3.5	5.9	2	M	M
2025-01-17	76.6	105.7	30.9	3.6	5.6	2	M	M
2025-01-18	41.8	142.3	3.4	2.9	7.7	1.7	4.2	4.2
2025-01-19	5.6	60.4	0.6	2.1	3.5	1.6	2.4	24.0
2025-01-20	2.4	20.7	0.5	2.5	3.1	2	8.8	29.9
2025-01-21	3.2	17.9	0.5	3.2	4	2.6	5.8	10.0
2025-01-22	72.1	144.6	1.1	5.9	12.2	3.1	6.1	9.5
2025-01-23	61.9	153.8	1.1	5	8.1	3.4	5.8	10.5
2025-01-24	25.7	97.1	0.6	4	6.7	3.1	5.5	8.8
2025-01-25	47.1	123.6	11.7	4.6	7.7	3.6	6.6	10.7
2025-01-26	46.0	117.1	9.7	4.4	6.7	3	5.8	9.5
2025-01-27	22.6	94.7	0.5	3.6	5.2	2.9	4.5	11.8
2025-01-28	9.9	47.2	0.4	3	4.6	2.1	2.7	5.6
2025-01-29	25.3	82.1	0.5	3.6	6.1	2.4	3.8	5.9
2025-01-30	37.6	122.0	0.8	4	7.1	2.4	4.6	6.7
2025-01-31	71.6	128.1	23.6	5.1	8.1	3.4	6.4	8.7
2025-02-01	80.9	127.0	25.0	5.7	9	3.7	M	M

TABLE B2: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - PSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-02-02	72.1	142.3	8.0	5.3	9	3.2	M	M
2025-02-03	74.7	139.0	18.3	5.6	9.9	3.6	M	M
2025-02-04	46.9	64.8	12.4	4.9	6.6	3.7	M	M
2025-02-05	69.2	132.5	29.7	5.8	10.5	3.1	M	M
2025-02-06	40.0	139.1	4.6	4.8	9.4	3.3	7.0	17.8
2025-02-07	48.9	74.1	19.6	3.4	4.8	2.3	6.2	16.0
2025-02-08	30.4	96.0	1.1	3	5	2	5.4	17.0
2025-02-09	56.0	147.2	5.0	4.1	9	2.2	8.0	15.7
2025-02-10	83.8	134.7	46.7	4.3	8.1	2.6	M	M
2025-02-11	10.7	53.6	0.7	2.3	3.4	1.9	2.9	8.3
2025-02-12	2.3	9.3	0.6	2.3	2.7	1.9	9.2	31.0
2025-02-13	1.3	4.9	0.5	2.1	2.9	1.5	10.0	26.8
2025-02-14	5.2	32.1	0.7	2.5	3.6	1.3	4.4	8.3
2025-02-15	12.4	32.3	1.6	2.2	2.7	1.4	5.7	9.7
2025-02-16	17.5	37.5	2.4	1.9	2.7	1.5	M	M
2025-02-17	25.4	72.8	0.7	2.6	4.7	1.8	M	M
2025-02-18	M	M	M	M	M	M	M	M
2025-02-19	119.8	175.8	70.5	8.5	13.5	4.5	10.6	36.3
2025-02-20	59.7	159.1	4.9	6.5	14.3	3.5	5.4	20.3
2025-02-21	10.0	29.7	2.0	4.2	4.9	3.6	3.8	9.7
2025-02-22	11.9	26.0	4.6	4.8	5.8	3.9	5.7	14.2
2025-02-23	21.9	66.9	8.7	6	8.8	4.3	M	M
2025-02-24	26.4	59.4	6.4	5.9	7.7	3.9	M	M
2025-02-25	4.8	39.8	0.1	3.7	6.4	2.9	5.7	11.7
2025-02-26	6.4	29.9	0.7	3.5	5	2.8	5.9	14.2
2025-02-27	16.7	71.8	0.9	3.7	6	2.4	3.0	6.3
2025-02-28	61.8	153.7	27.3	5.3	9.9	3.9	7.7	18.8
2025-03-01	54.4	78.9	27.2	4.9	6.9	4	5.8	12.7
2025-03-02	47.3	92.2	7.7	4.5	6.7	3.3	5.9	9.9
2025-03-03	38.2	77.5	17.3	4.2	5.3	3.6	6.2	8.4
2025-03-04	66.3	97.4	25.7	6.4	8.9	4.2	6.6	11.1
2025-03-05	54.8	121.2	10.7	5.6	10.2	3.6	5.5	11.9

TABLE B2: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - PSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-03-06	21.1	61.9	0.6	3.9	5.6	3	3.6	8.5
2025-03-07	13.6	60.5	0.8	3.6	7.3	2.5	2.5	4.2
2025-03-08	27.2	100.5	0.5	4.2	7.1	2.8	3.6	5.3
2025-03-09	1.7	7.5	0.5	3.4	4	2.8	4.0	5.5
2025-03-10	5.0	21.9	0.5	3.8	4.4	3.4	5.3	9.2
2025-03-11	33.8	79.6	0.7	4.1	5.8	3	5.3	14.2
2025-03-12	3.2	16.7	0.5	3.2	3.8	2.9	M	M
2025-03-13	2.0	9.4	0.5	3.9	4.3	3.3	M	M
2025-03-14	2.9	5.3	1.2	3.7	4.4	3	M	M
2025-03-15	23.0	59.5	3.2	3.3	4.7	1.3	M	M
2025-03-16	42.0	88.0	11.6	4	6.3	2.8	M	M
2025-03-17	9.4	71.1	0.4	3.4	5.8	2	M	M
2025-03-18	0.8	2.2	0.4	3.2	3.4	2.9	3.8	6.6
2025-03-19	4.7	36.7	0.5	3.5	3.7	3.3	3.8	8.8
2025-03-20	26.4	64.3	4.9	4.1	6.2	2.4	8.3	17.0
2025-03-21	49.0	94.5	12.8	4.6	7.3	3.5	10.0	24.3
2025-03-22	40.3	85.6	14.9	3.7	5.5	2.9	7.6	27.5
2025-03-23	42.7	96.0	8.9	3.7	5.7	2.8	5.5	22.1
2025-03-24	40.5	134.4	10.2	3.4	5.5	2.8	5.7	24.4
2025-03-25	23.0	60.2	9.5	3.1	4.1	2.5	4.4	7.7
2025-03-26	39.0	72.1	11.6	3.4	4.3	2.6	5.3	30.4
2025-03-27	30.2	76.2	6.4	3.7	8	2.9	4.6	17.2
2025-03-28	25.2	59.1	7.1	3.1	4	2.4	4.6	39.4
2025-03-29	38.6	84.2	12.3	3.3	5.3	2.2	6.8	42.0
2025-03-30	42.8	85.3	14.2	3.3	4.5	2.6	5.0	21.6
2025-03-31	39.2	101.6	4.4	3.5	5.9	2.6	5.2	20.4
2025-04-01	34.1	76.6	3.7	3.2	4.5	2.3	3.7	14.1
2025-04-02	39.4	93.7	13.2	3.2	5.4	2.2	4.8	17.3
2025-04-03	29.9	67.2	4.5	3	4.6	2.3	4.0	9.6
2025-04-04	40.8	85.2	7.8	3.4	5.3	2.5	4.3	31.7
2025-04-05	34.5	65.8	9.3	3.3	4.1	2.5	3.4	23.0
2025-04-06	33.2	86.9	6.5	3.6	7.4	2.4	5.7	33.3

TABLE B2: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - PSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-04-07	31.6	72.6	14.5	3	4.1	2.3	5.2	43.9
2025-04-08	30.0	69.2	1.7	2.9	4.5	2	4.1	15.5
2025-04-09	19.3	66.4	0.9	3.1	4.6	2.5	3.0	10.0
2025-04-10	30.4	57.8	7.8	3.5	4.4	2.9	4.1	31.1
2025-04-11	42.0	114.4	6.1	4.3	6.5	3.4	6.0	64.7
2025-04-12	42.5	105.2	3.6	4.2	7	3.1	8.5	81.3
2025-04-13	28.8	55.2	3.6	3.6	4.6	3	6.3	44.6
2025-04-14	29.2	104.4	3.1	3.7	6	2.8	5.3	36.5
2025-04-15	7.1	27.9	1.7	3.2	3.9	2.7	M	M
2025-04-16	8.2	27.7	1.0	3	5.1	2.3	M	M
2025-04-17	9.2	23.7	1.4	3	4.6	2.1	M	M
2025-04-18	10.4	22.7	5.0	3.2	3.9	2.6	4.0	5.0
2025-04-19	6.5	13.0	1.5	3.1	3.6	2.5	3.2	5.8
2025-04-20	9.1	13.4	4.9	3.4	3.7	3.1	3.2	5.7
2025-04-21	12.8	51.4	1.1	3.6	4.2	3	2.9	5.0
2025-04-22	11.8	43.8	1.5	3.6	5.3	3	3.2	7.5
2025-04-23	20.7	50.8	5.6	3.5	5.2	2.9	3.7	15.8
2025-04-24	14.7	42.8	4.6	3.2	3.7	3	2.9	17.6
2025-04-25	5.6	16.7	1.2	3.1	4.1	2.6	0.9	3.4
2025-04-26	14.4	50.5	2.2	3.5	5	2.3	4.2	64.2
2025-04-27	13.0	35.8	3.3	4	4.4	3.6	7.6	100.8
2025-04-28	7.4	20.7	1.3	4.1	5.1	3.1	0.7	2.9
2025-04-29	10.6	28.0	1.9	4.4	5.8	3.7	1.3	7.5
2025-04-30	11.3	24.2	3.7	5	6.4	4	5.0	57.1
2025-05-01	4.0	20.3	0.2	4.2	5.9	3.6	4.8	26.9
2025-05-02	4.7	31.3	0.4	4.3	6.1	3.8	2.1	10.8
2025-05-03	M	M	M	3.7	5.6	2.2	2.6	7.8
2025-05-04	1.7	19.3	0.3	2.9	4.3	1.8	1.5	7.1
2025-05-05	7.8	35.4	1.9	3.9	5.6	3.2	9.8	124.0
2025-05-06	2.8	9.6	0.8	4.1	4.7	3.7	3.1	16.2
2025-05-07	10.1	46.9	0.8	4.5	6.7	3.5	10.9	98.3
2025-05-08	1.7	9.2	0.0	4	5.3	3.4	M	M

TABLE B2: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - PSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-05-09	1.5	11.3	0.0	4.1	4.7	3.6	M	M
2025-05-10	5.9	19.5	0.5	4.2	5.2	3.6	M	M
2025-05-11	6.6	19.5	1.9	3.8	4.3	3.3	2.6	36.2
2025-05-12	2.8	13.0	0.4	3.6	5.1	3.2	2.0	9.6
2025-05-13	1.1	2.4	0.4	3.6	3.9	3.1	1.4	3.2
2025-05-14	1.6	13.2	0.3	3.7	3.9	3.5	1.6	6.8
2025-05-15	10.5	30.9	1.6	3.7	4.6	3	2.2	58.6
2025-05-16	6.3	15.8	1.0	3.7	4.6	3.2	4.7	53.0
2025-05-17	3.0	10.4	0.8	3.8	4.7	3.4	2.2	14.8
2025-05-18	3.5	8.6	1.0	3.4	4.2	2.9	0.3	4.4
2025-05-19	1.2	8.1	0.2	3.2	3.5	2.9	2.7	11.3
2025-05-20	6.3	15.4	1.1	3.3	4	2.8	2.1	16.5
2025-05-21	2.8	11.9	0.5	3	3.4	2.8	1.1	6.8
2025-05-22	7.0	18.5	0.7	3.4	4.2	2.6	0.4	9.3
2025-05-23	2.4	12.2	0.6	3.7	4.7	3.3	1.7	3.8
2025-05-24	2.0	5.6	0.6	4.1	4.5	3.7	1.1	2.1
2025-05-25	1.7	11.3	0.3	4.1	4.3	3.9	1.3	3.3
2025-05-26	1.0	5.5	0.1	4.2	4.5	3.7	1.4	4.0
2025-05-27	4.8	19.5	0.4	4.3	4.8	4	M	M
2025-05-28	6.9	30.3	1.1	4.2	5.3	3.6	M	M
2025-05-29	9.9	24.9	2.9	4.2	4.8	3.6	M	M
2025-05-30	4.5	8.8	1.2	4.2	4.6	3.7	M	M
2025-05-31	1.8	6.4	0.6	4.5	4.8	4	M	M
2025-06-01	4.1	19.2	0.6	4.1	4.5	3.4	M	M
2025-06-02	3.5	13.1	0.7	4.2	4.5	3.9	M	M
2025-06-03	2.4	8.1	0.4	4.3	4.6	3.9	M	M
2025-06-04	1.3	5.5	0.3	4.5	4.7	4.2	0.7	5.6
2025-06-05	1.0	6.0	0.3	4.6	4.8	4.2	0.5	5.1
2025-06-06	5.5	10.6	1.4	4.8	5.3	4.3	1.4	14.6
2025-06-07	3.9	11.5	0.5	4.8	5.6	4.2	0.6	5.8
2025-06-08	7.1	28.7	0.5	4.7	5.9	4.2	1.8	6.0
2025-06-09	2.4	14.1	0.3	4.4	5.1	4	1.9	8.4

TABLE B2: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - PSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-06-10	4.1	13.6	0.4	4.4	4.9	4.1	1.1	8.0
2025-06-11	3.6	14.6	0.4	4.5	4.8	4.2	1.8	12.6
2025-06-12	1.0	2.6	0.0	5	5.2	4.6	0.5	2.8
2025-06-13	0.4	0.8	0.0	4.8	5.1	4.2	2.0	1.3
2025-06-14	1.2	12.0	0.1	4.6	5.5	4.3	1.4	3.6
2025-06-15	0.8	4.3	0.1	4.4	4.6	4.1	2.0	5.4
2025-06-16	1.1	4.5	0.3	4.5	4.9	3.8	M	M
2025-06-17	2.1	10.1	0.2	4.5	5	4.2	M	M
2025-06-18	2.0	13.1	0.3	4.6	5.1	3.9	M	M
2025-06-19	1.7	12.6	0.1	4.7	5.1	4.3	M	M
2025-06-20	1.6	8.5	0.1	4.5	4.6	4.3	M	M
2025-06-21	1.1	5.0	0.3	4.4	4.8	3.8	M	M
2025-06-22	2.0	5.0	0.4	4.7	5	4.2	2.8	41.4
2025-06-23	2.3	6.6	0.2	4.6	4.9	3.9	3.1	83.1
2025-06-24	1.2	5.6	0.0	4.6	4.9	4.3	2.7	36.8
2025-06-25	1.5	5.7	0.4	4.5	4.8	4	1.8	20.0
2025-06-26	7.9	21.5	1.7	4.9	5.6	4.4	2.5	60.2
2025-06-27	2.9	9.3	0.4	5.1	5.5	4.6	1.9	19.3
2025-06-28	2.6	9.2	0.5	5.2	5.6	4.8	2.3	16.0
2025-06-29	2.1	7.5	0.3	5.2	5.7	4.9	1.7	26.8
2025-06-30	3.4	29.0	0.3	5.3	6.5	5.1	M	21.7
2025-07-01	1.8	6.7	0.3	5.5	5.8	5.1	M	8.4
2025-07-02	1.6	4.4	0.5	5.4	5.7	5	M	56.3
2025-07-03	2.3	8.0	0.3	5.5	5.8	5.2	M	35.0
2025-07-04	5.6	14.5	1.4	5.5	6	4.4	M	33.1
2025-07-05	3.2	12.3	0.2	5.5	5.9	5.2	M	20.9
2025-07-06	1.9	9.0	0.2	5.7	5.9	5.5	M	64.9
2025-07-07	8.8	22.3	0.4	6.1	7.2	5.2	M	11.8
2025-07-08	9.5	23.1	1.4	6.2	7.3	4.9	M	16.8
2025-07-09	1.5	11.5	0.2	5.7	6.2	5.4	M	10.6
2025-07-10	6.6	13.5	0.3	6.7	7.7	6	7.5	9.4
2025-07-11	12.6	23.9	7.4	7.5	8.8	6.6	2.5	2.7

TABLE B2: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - PSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-07-12	8.5	11.8	7.4	6.6	6.9	6.1	2.4	2.9
2025-07-13	8.5	9.6	7.7	6	6.4	5.5	1.9	2.1
2025-07-14	7.6	9.1	6.3	5.8	6	5.5	1.2	4.3
2025-07-15	7.3	11.3	6.0	5.9	6.1	5.5	2.8	5.5
2025-07-16	6.6	12.4	5.0	M	M	M	2.1	4.1
2025-07-17	6.4	8.2	5.4	M	M	M	1.5	3.5
2025-07-18	7.5	10.8	5.8	M	M	M	2.0	4.1
2025-07-19	7.3	11.2	6.2	M	M	M	0.8	2.5
2025-07-20	8.6	11.4	5.0	M	M	M	1.2	6.5
2025-07-21	7.0	12.0	5.1	M	M	M	2.7	6.1
2025-07-22	6.4	8.7	5.0	M	M	M	2.2	5.5
2025-07-23	6.5	10.4	4.8	M	M	M	1.5	6.4
2025-07-24	6.0	7.6	4.7	M	M	M	0.8	7.7
2025-07-25	5.5	7.4	4.3	M	M	M	2.4	12.2
2025-07-26	6.5	9.1	4.4	M	M	M	2.2	16.0
2025-07-27	6.4	8.1	5.1	M	M	M	1.9	10.9
2025-07-28	6.0	7.6	4.8	M	M	M	2.0	34.6
2025-07-29	8.0	15.6	5.6	M	M	M	1.5	30.0
2025-07-30	6.8	11.0	2.8	M	M	M	2.4	55.5
2025-07-31	3.9	5.5	2.9	M	M	M	2.0	15.4
2025-08-01	16.0	37.7	3.2	M	M	M	5.3	102.9
2025-08-02	14.1	26.5	5.4	M	M	M	1.6	18.7
2025-08-03	14.5	20.5	9.5	M	M	M	1.5	15.8
2025-08-04	11.6	16.5	8.3	M	M	M	1.8	4.6
2025-08-05	12.7	14.5	9.9	M	M	M	2.3	9.1
2025-08-06	7.8	10.2	6.8	M	M	M	-0.3	5.5
2025-08-07	12.8	19.9	8.2	M	M	M	1.2	5.9
2025-08-08	10.2	15.2	6.2	M	M	M	M	M
2025-08-09	6.8	8.2	5.0	M	M	M	M	M
2025-08-10	10.8	18.8	7.1	M	M	M	1.8	12.1
2025-08-11	14.2	34.8	8.4	M	M	M	3.0	28.5
2025-08-12	14.6	20.1	9.2	M	M	M	3.9	26.7

TABLE B2: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - PSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-08-13	8.7	12.4	6.7	M	M	M	1.9	9.4
2025-08-14	12.3	16.1	7.0	M	M	M	3.1	42.0
2025-08-15	9.4	11.1	7.3	M	M	M	2.7	6.1
2025-08-16	8.3	10.4	6.2	M	M	M	2.5	8.7
2025-08-17	7.1	9.8	5.7	M	M	M	4.2	43.5
2025-08-18	7.7	9.9	5.9	M	M	M	2.5	18.0
2025-08-19	7.1	8.9	6.2	M	M	M	3.0	33.3
2025-08-20	9.1	17.8	6.0	M	M	M	2.6	4.0
2025-08-21	8.1	9.6	5.9	M	M	M	2.6	4.9
2025-08-22	10.5	15.4	7.1	M	M	M	2.6	3.9
2025-08-23	11.6	16.1	9.6	M	M	M	2.1	5.1
2025-08-24	7.9	12.6	6.4	M	M	M	3.1	4.6
2025-08-25	10.7	17.1	6.3	M	M	M	4.1	6.1
2025-08-26	14.5	19.3	7.3	M	M	M	2.5	6.0
2025-08-27	7.9	12.2	5.8	M	M	M	1.4	2.9
2025-08-28	12.1	19.8	6.4	M	M	M	2.7	6.7
2025-08-29	17.9	22.6	11.3	M	M	M	3.6	17.1
2025-08-30	16.9	23.3	12.2	M	M	M	4.6	23.0
2025-08-31	10.1	14.7	7.1	M	M	M	3.1	7.4
2025-09-01	9.0	15.2	7.6	M	M	M	3.3	13.0
2025-09-02	15.6	18.8	10.3	M	M	M	5.0	14.1
2025-09-03	16.7	23.6	9.7	M	M	M	2.7	4.2
2025-09-04	8.9	11.5	7.4	M	M	M	2.0	3.8
2025-09-05	5.9	22.7	0.6	M	M	M	1.5	6.3
2025-09-06	2.6	12.5	0.3	M	M	M	2.1	4.6
2025-09-07	4.0	16.4	0.0	M	M	M	1.6	4.1
2025-09-08	13.1	43.8	1.5	M	M	M	2.8	9.5
2025-09-09	12.7	34.7	2.9	M	M	M	2.5	15.3
2025-09-10	12.0	32.4	2.5	M	M	M	3.7	15.7
2025-09-11	15.0	38.4	2.8	M	M	M	3.7	28.1
2025-09-12	4.3	16.3	0.7	M	M	M	1.5	5.5
2025-09-13	1.9	5.1	0.0	M	M	M	1.3	2.5

TABLE B2: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - PSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-09-14	4.3	30.6	0.4	M	M	M	1.9	3.8
2025-09-15	1.0	6.3	0.0	M	M	M	3.7	10.5
2025-09-16	12.2	45.3	0.0	M	M	M	3.8	11.5
2025-09-17	6.1	32.7	0.0	M	M	M	3.5	12.0
2025-09-18	24.5	55.3	4.4	M	M	M	5.8	16.4
2025-09-19	21.3	56.3	3.7	M	M	M	5.0	20.7
2025-09-20	8.8	48.4	0.6	M	M	M	2.4	6.9
2025-09-21	6.3	18.6	1.2	M	M	M	2.3	2.0
2025-09-22	4.5	27.7	0.4	M	M	M	1.7	1.9
2025-09-23	0.8	2.4	0.0	M	M	M	1.4	2.2
2025-09-24	4.7	24.5	0.0	M	M	M	1.8	1.5
2025-09-25	19.0	50.0	4.2	M	M	M	3.5	6.4
2025-09-26	16.2	41.4	5.5	M	M	M	2.8	8.3
2025-09-27	7.8	20.4	0.9	M	M	M	3.0	27.7
2025-09-28	10.7	25.2	2.5	M	M	M	4.4	48.1
2025-09-29	12.2	26.3	1.8	M	M	M	4.3	14.7
2025-09-30	16.4	31.4	4.5	M	M	M	4.9	51.3
2025-10-01	2.9	8.3	0.0	M	M	M	4.2	25.4
2025-10-02	12.7	24.8	1.6	M	M	M	2.5	11.3
2025-10-03	17.6	37.4	5.5	M	M	M	3.3	21.6
2025-10-04	10.5	30.3	3.3	M	M	M	2.5	9.3
2025-10-05	4.9	10.6	1.6	M	M	M	2.9	30.7
2025-10-06	4.7	14.8	0.0	M	M	M	1.0	3.2
2025-10-07	20.8	52.4	2.7	M	M	M	4.4	8.1
2025-10-08	14.3	58.2	0.7	M	M	M	1.9	7.5
2025-10-09	5.3	18.8	0.0	M	M	M	1.2	4.5
2025-10-10	3.7	30.0	0.0	M	M	M	2.5	4.0
2025-10-11	12.6	37.9	0.0	M	M	M	3.5	4.5
2025-10-12	13.1	28.0	4.7	M	M	M	1.7	4.4
2025-10-13	27.2	66.3	4.9	M	M	M	2.8	7.4
2025-10-14	5.2	28.7	0.4	M	M	M	2.3	5.3
2025-10-15	16.5	61.1	1.0	M	M	M	2.9	3.1

TABLE B2: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - PSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-10-16	2.6	6.0	0.5	M	M	M	1.8	3.0
2025-10-17	1.1	4.6	0.2	M	M	M	0.8	4.6
2025-10-18	1.2	3.1	0.0	M	M	M	2.3	4.5
2025-10-19	11.3	79.1	0.0	M	M	M	3.4	3.2
2025-10-20	3.0	14.8	0.2	M	M	M	1.0	4.6
2025-10-21	5.8	35.0	0.4	M	M	M	0.6	4.1
2025-10-22	4.1	7.6	1.1	M	M	M	2.4	3.0
2025-10-23	4.3	9.6	1.4	M	M	M	2.9	3.7
2025-10-24	21.2	49.7	1.2	M	M	M	3.3	2.7
2025-10-25	23.3	77.2	1.2	M	M	M	M	M
2025-10-26	1.3	4.3	0.0	M	M	M	0.5	2.1
2025-10-27	8.8	23.8	0.7	M	M	M	2.9	5.4
2025-10-28	7.7	30.2	0.0	M	M	M	3.0	5.4
2025-10-29	19.2	35.1	6.2	M	M	M	3.2	3.8
2025-10-30	31.6	55.3	11.2	M	M	M	4.0	2.8
2025-10-31	30.3	67.2	4.8	M	M	M	3.2	3.7
2025-11-01	28.9	59.3	4.9	M	M	M	5.5	3.0
2025-11-02	60.9	97.9	5.6	M	M	M	3.3	4.6
2025-11-03	25.9	65.6	3.3	M	M	M	1.3	3.5
2025-11-04	5.0	22.6	1.5	M	M	M	1.5	4.7
2025-11-05	50.6	77.8	11.2	M	M	M	3.5	5.5
2025-11-06	23.2	77.2	2.8	M	M	M	1.1	3.4
2025-11-07	M	M	M	M	M	M	1.0	1.9
2025-11-08	M	M	M	M	M	M	0.8	2.8
2025-11-09	M	M	M	M	M	M	0.0	4.9
2025-11-10	M	M	M	M	M	M	1.1	8.9
2025-11-11	M	M	M	M	M	M	1.4	4.5
2025-11-12	M	M	M	M	M	M	0.9	3.5
2025-11-13	M	M	M	M	M	M	0.3	3.1
2025-11-14	M	M	M	M	M	M	2.9	5.3
2025-11-15	M	M	M	M	M	M	0.4	2.6
2025-11-16	M	M	M	M	M	M	1.7	2.7

TABLE B2: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - PSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-11-17	M	M	M	M	M	M	2.5	4.1
2025-11-18	55.4	142.0	11.1	M	M	M	2.8	5.0
2025-11-19	25.0	100.1	1.0	M	M	M	1.4	9.0
2025-11-20	22.9	80.0	5.0	M	M	M	2.2	6.3
2025-11-21	48.6	192.1	5.7	M	M	M	3.6	10.0
2025-11-22	23.6	67.6	5.0	M	M	M	2.0	11.2
2025-11-23	18.4	60.6	1.2	M	M	M	2.3	6.5
2025-11-24	2.1	5.4	0.8	M	M	M	1.1	3.9
2025-11-25	33.0	94.5	1.7	M	M	M	3.0	7.2
2025-11-26	58.8	134.6	10.8	M	M	M	4.3	12.8
2025-11-27	37.8	111.1	13.7	M	M	M	5.0	13.3
2025-11-28	69.8	115.0	45.6	M	M	M	7.7	16.9
2025-11-29	28.9	69.4	7.5	M	M	M	3.9	6.5
2025-11-30	48.2	137.2	9.1	M	M	M	5.4	5.3
2025-12-01	20.4	69.4	0.1	M	M	M	3.3	32.0
2025-12-02	1.2	15.8	0.0	M	M	M	4.1	26.3
2025-12-03	1.8	11.3	0.0	M	M	M	3.5	8.3
2025-12-04	1.7	6.9	0.2	M	M	M	1.5	5.3
2025-12-05	9.1	58.0	0.3	M	M	M	1.8	30.3
2025-12-06	20.4	83.4	1.0	M	M	M	2.8	7.3
2025-12-07	12.9	50.1	0.5	M	M	M	1.9	6.6
2025-12-08	4.1	20.7	0.7	M	M	M	2.1	8.1
2025-12-09	2.2	6.9	0.6	M	M	M	2.3	7.6
2025-12-10	8.3	18.4	1.1	M	M	M	1.8	5.3
2025-12-11	48.8	132.6	1.0	M	M	M	4.9	13.3
2025-12-12	38.9	80.4	13.7	M	M	M	4.8	12.9
2025-12-13	77.4	217.4	11.0	M	M	M	9.4	28.6
2025-12-14	33.4	106.6	0.6	M	M	M	7.0	33.0
2025-12-15	54.5	214.0	0.8	M	M	M	4.4	22.6
2025-12-16	1.9	8.3	0.0	M	M	M	6.1	45.0
2025-12-17	13.7	87.9	0.1	M	M	M	4.0	12.8
2025-12-18	41.4	147.8	2.7	M	M	M	5.0	11.9

TABLE B2: SUMMARY OF 2025 DAILY AIR QUALITY MONITORING DATA - PSC

Date	Mean Daily NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max NO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min NO <sub>2</sub> (µg/m <sup>3</sup> )	Mean Daily SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Max SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily 1-hour Min SO <sub>2</sub> (µg/m <sup>3</sup> )	Daily PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Daily TSP (µg/m <sup>3</sup> )
2025-12-19	8.3	51.3	0.3	M	M	M	3.7	12.2
2025-12-20	6.0	12.6	0.0	M	M	M	5.7	25.3
2025-12-21	35.0	155.0	1.7	M	M	M	5.3	15.2
2025-12-22	48.4	137.8	1.7	M	M	M	4.9	14.5
2025-12-23	55.0	117.5	22.6	M	M	M	5.2	9.8
2025-12-24	45.4	89.9	12.1	M	M	M	5.0	9.4
2025-12-25	57.4	175.2	16.2	M	M	M	5.9	12.5
2025-12-26	61.1	127.6	0.3	M	M	M	5.3	18.1
2025-12-27	3.7	10.2	0.0	M	M	M	0.8	14.9
2025-12-28	11.7	35.7	1.5	M	M	M	1.9	10.2
2025-12-29	22.5	79.5	4.7	M	M	M	3.3	10.3
2025-12-30	29.2	51.5	6.6	M	M	M	4.7	10.6
2025-12-31	2.7	29.4	0.0	M	M	M	10.4	24.0



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