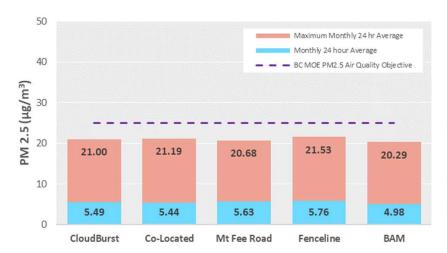
WHISTLER PURPLEAIR/BAM MAY SUMMARY

Monitoring Period: May 1st – May 31st 2023

Location: Whistler, BC, Canada



Figure 1 - Monitoring Locations



50 CloudBurst Co-Located Mt Fee Road Fenceline 40 BAM PM 2.5 (µg/m³) 30 20 10 2023-05-17 2023-05-11 2023-05-01 2023-05-03 2023-05-05 2023-05-07 2023-05-09 2023-05-13 2023-05-15 2023-05-21 2023-05-23 2023-05-25 2023-05-27 2023-05-29 2023-05-31 Date

Figure 2 - PM_{2.5} Time Series of Purple Air Monitors and Whistler BAM

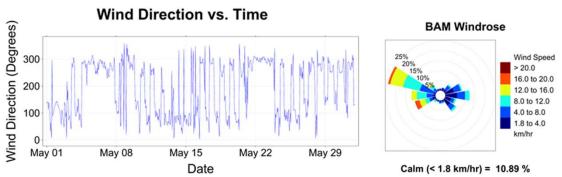


Figure 3 - Monthly Averages and Maximum 24 Hour Averages By Station

Figure 4 - Wind Direction vs. Time and BAM Windrose

Discussion: The 24-hour maximums for the monitors were all below the BC MOE PM2.5 Air Quality Objective as shown in Figure 3. As seen in Figure 2, PM 2.5 values have been higher than in previous months due to wildfire activity. However, no air quality advisories due to elevated PM2.5 values were put in place during the month.

Data from the PurpleAir monitors was corrected using Model 7, as suggested by Nilson et al. in the journal Atmospheric Measurement Techniques (https://doi.org/10.5194/amt-2021-425).