

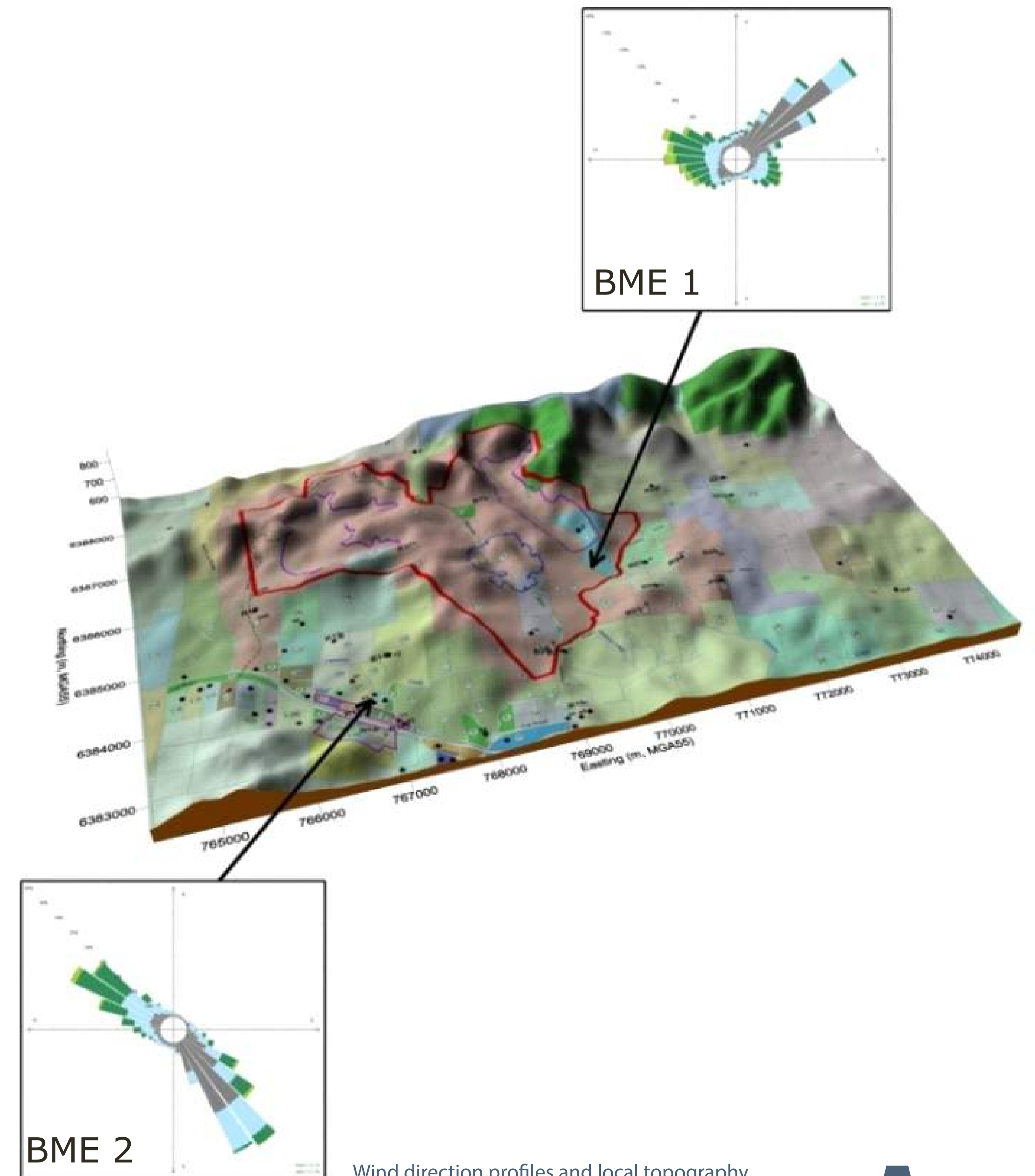
What is involved in a Weather Assessment?

Why are we collecting Weather Data?

- So many weather features will influence environmental issues for the Bowdens Silver Project – consequently BSPL has set up two weather stations, one on the Mine Site and one in Lue Village. Two stations have been set up because of the differences principally in wind directions due to local topography.
- Dust could be blown from the Mine Site during periods of high wind or from blasts.
- Noise could be enhanced when gentle winds occur.
- Temperature inversions need to be understood given their potential to increase noise levels.
- Rainfall levels and frequency data are required to understand rainfall runoff and opportunities for water collection.

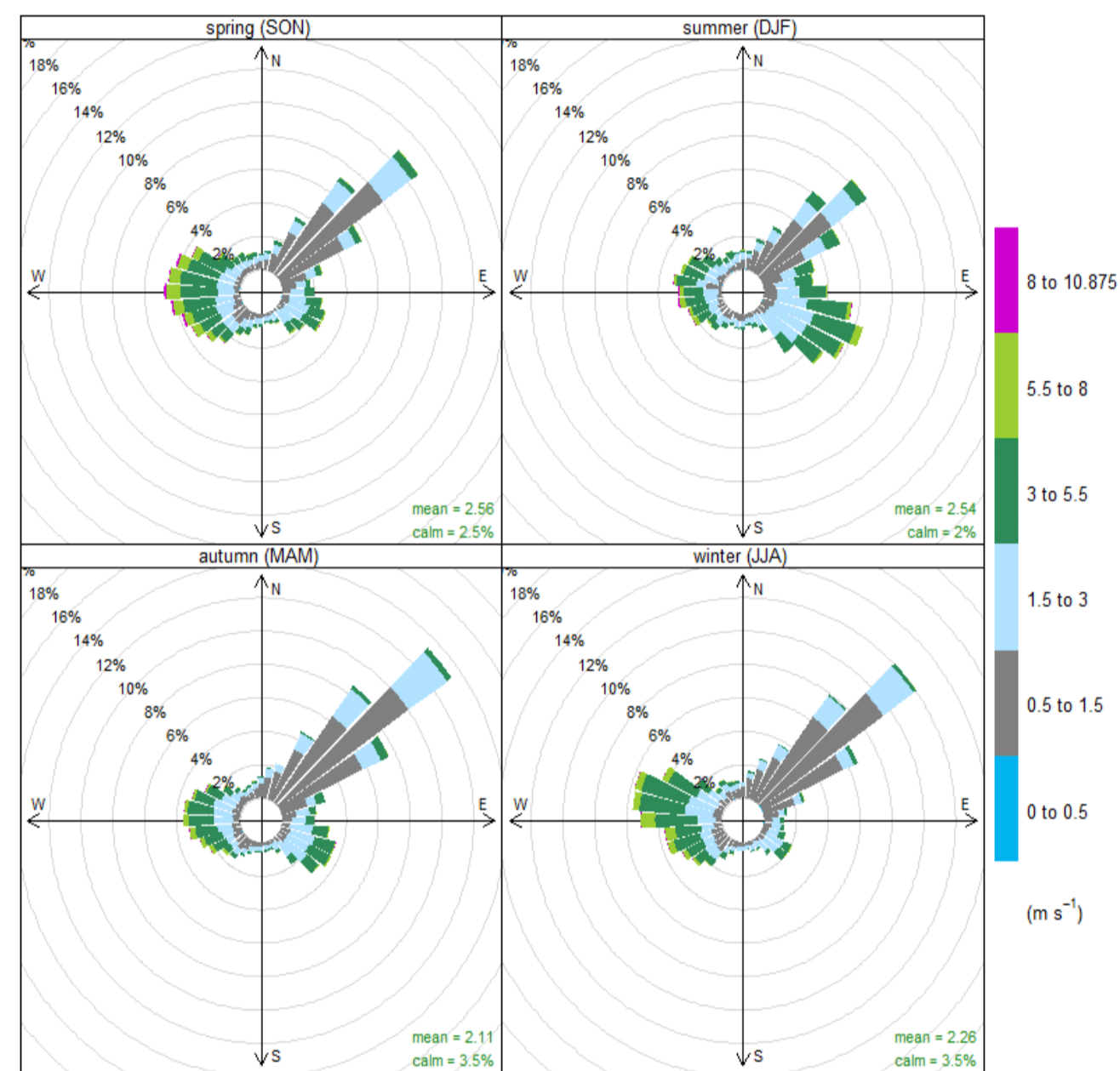
Weather Data

- Both meteorological stations record temperature (2m & 10m), rainfall, wind speed (10m), wind direction, air pressure, humidity and solar radiation.
- Wind direction in Lue is predominately from the northwest and southeast following the general valley terrain features.
- Winds at Bowdens show that winds from southeast are diverted to the northeast by local ridges.
- Winds from the northeast at Bowdens occur during night hours and are generally low in velocity.
- Winds at from the west and northwest at both Lue and Bowdens occur during the day and have higher velocities.



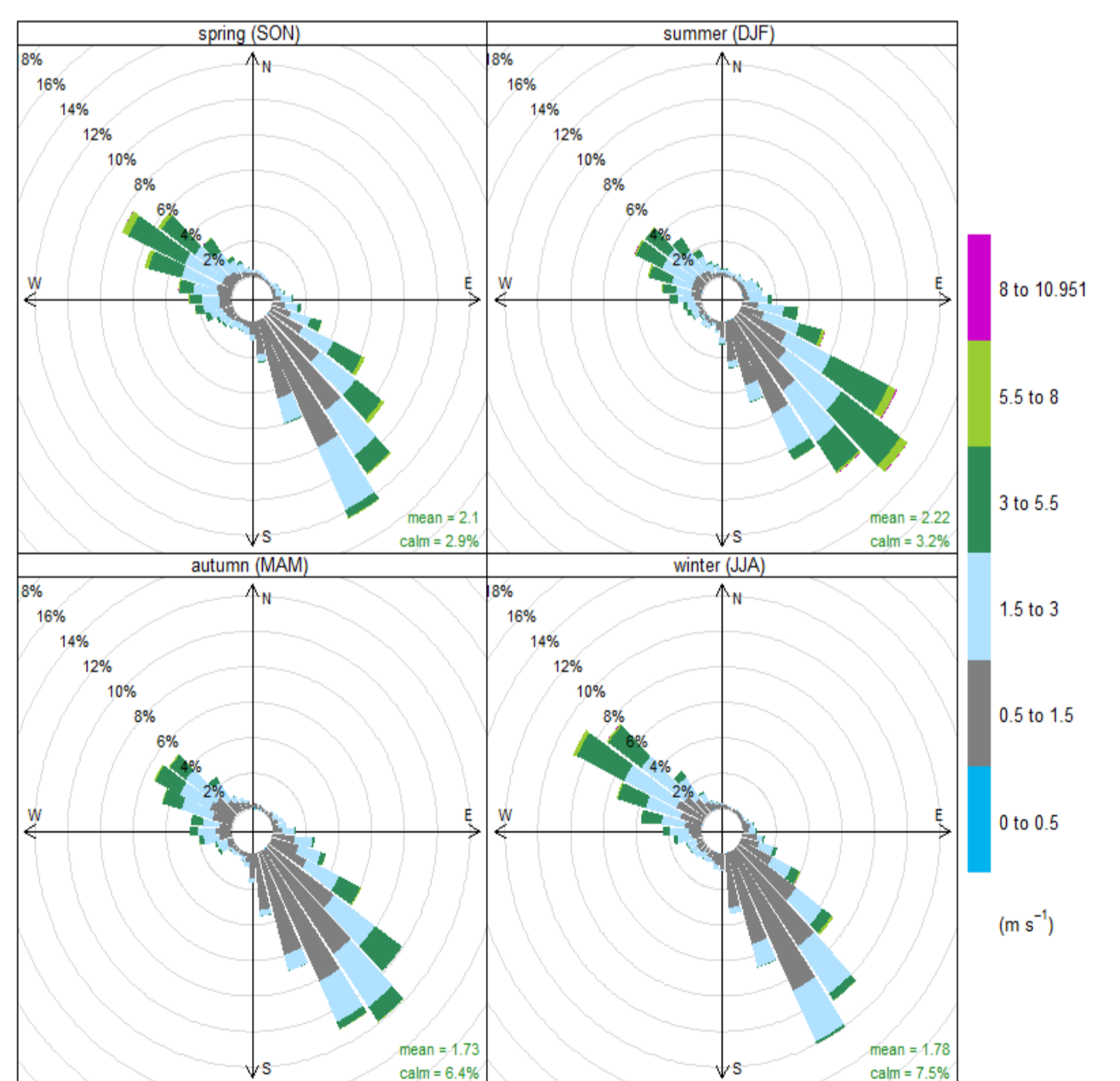
Weather Monitoring

Seasonal Wind Roses



Frequency of counts by wind direction (%)

Bowdens Weather Station

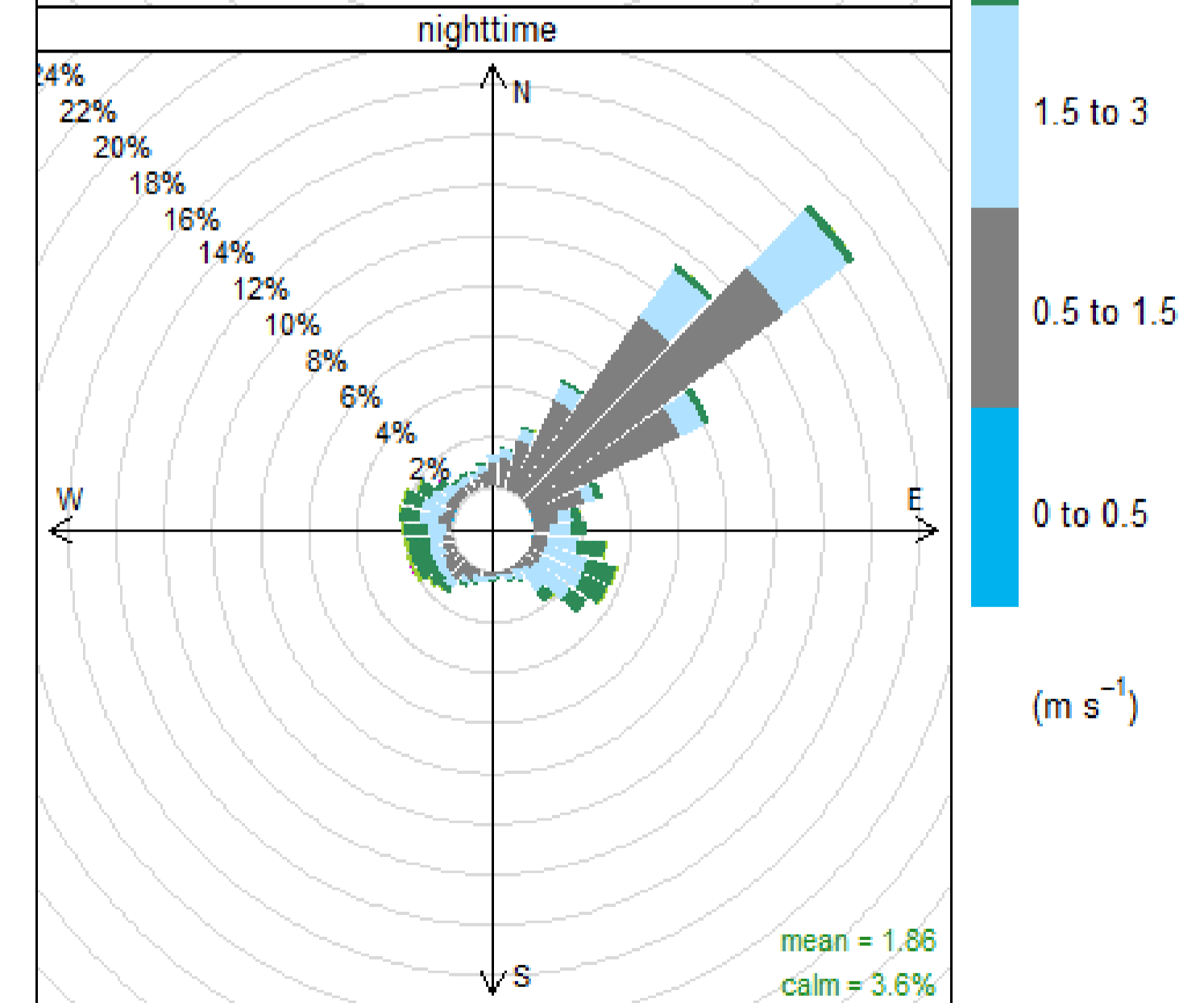
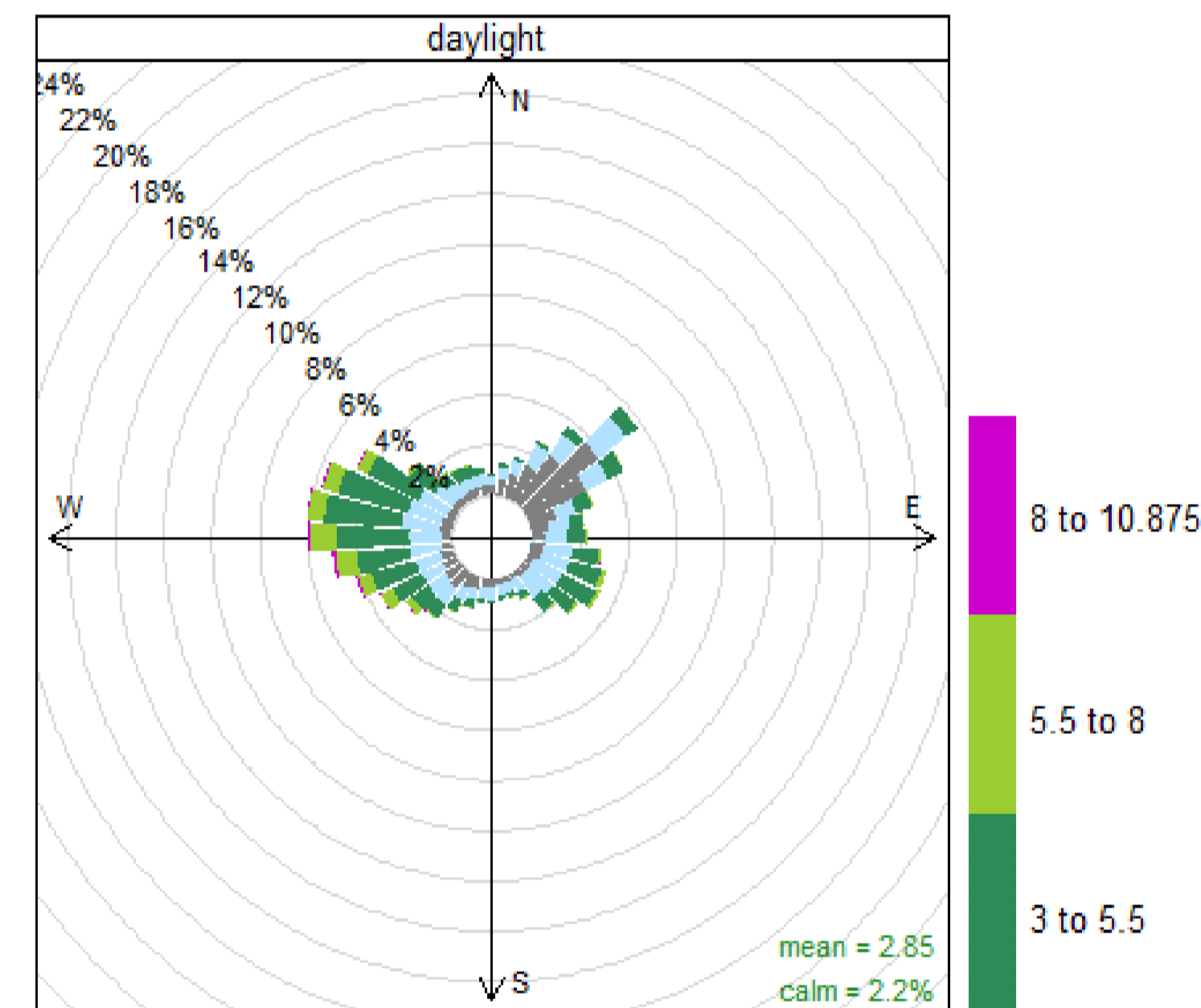


Frequency of counts by wind direction (%)

Lue Weather Station

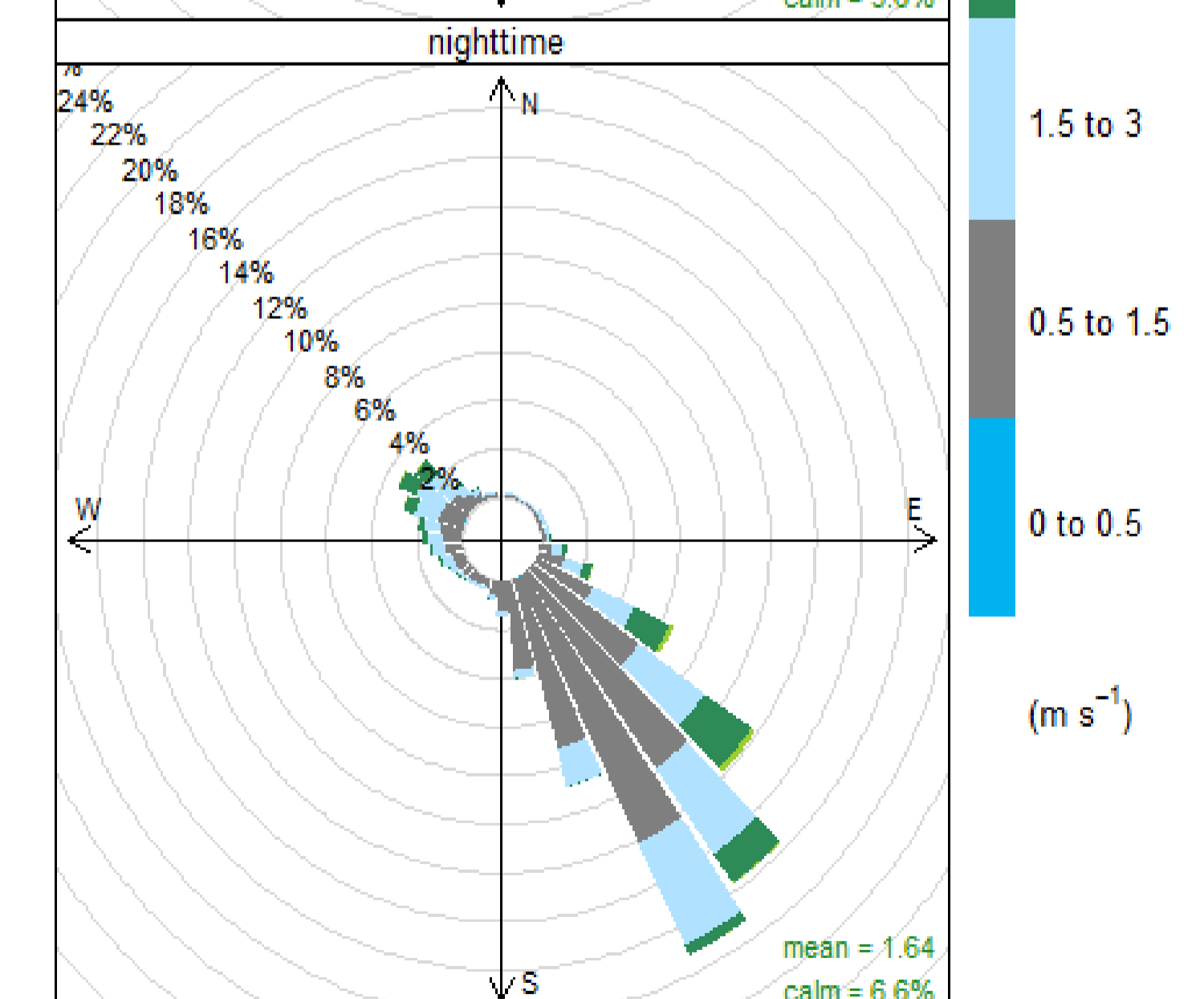
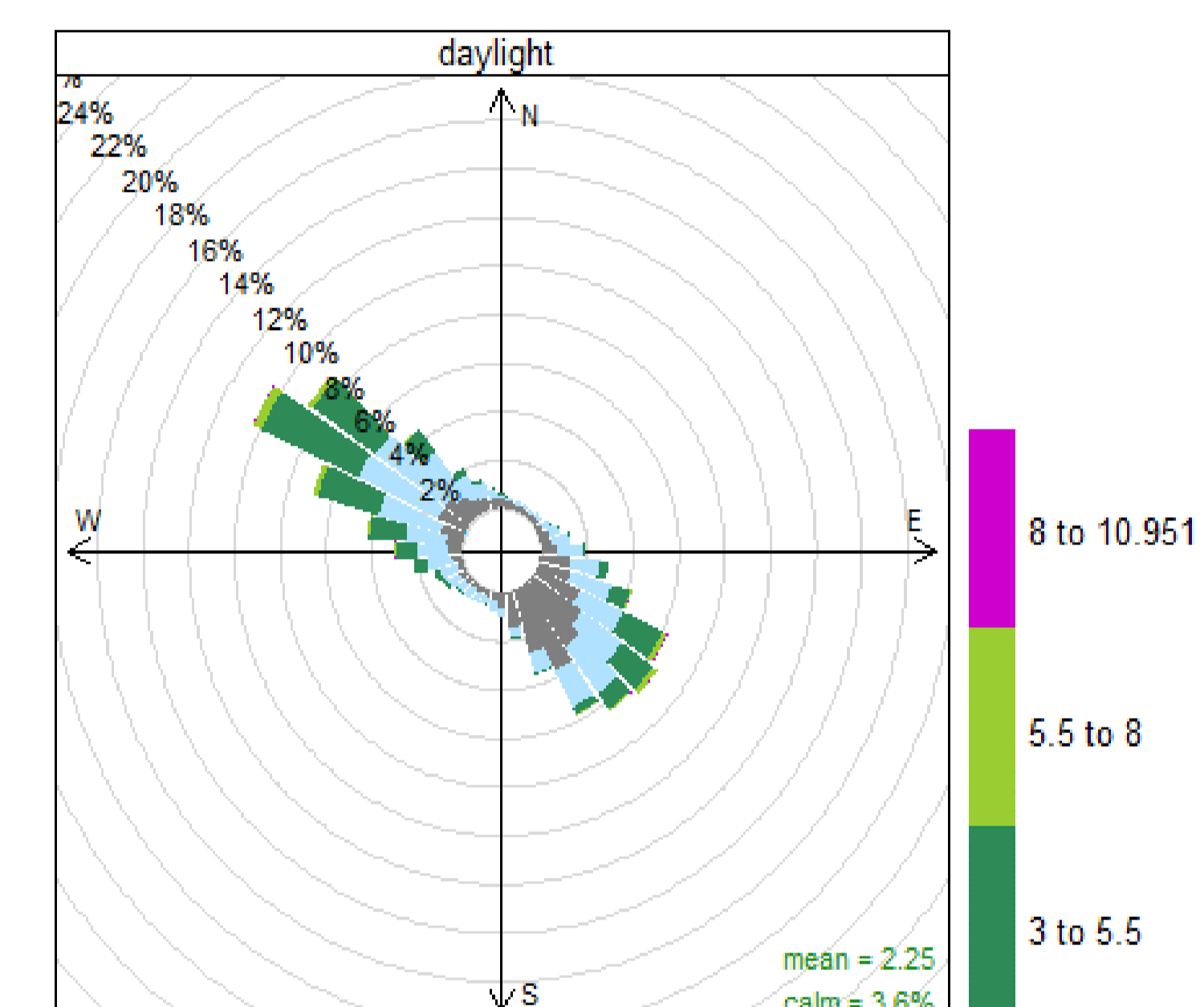
Daytime / Night-time Wind Roses

Bowdens Weather Station



Frequency of counts by wind direction (%)

Lue Weather Station



Frequency of counts by wind direction (%)

