

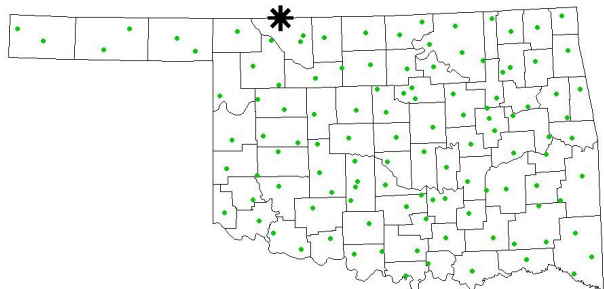
# Wind Climatology

## May Ranch Mesonet Station

### Station ID: MAYR



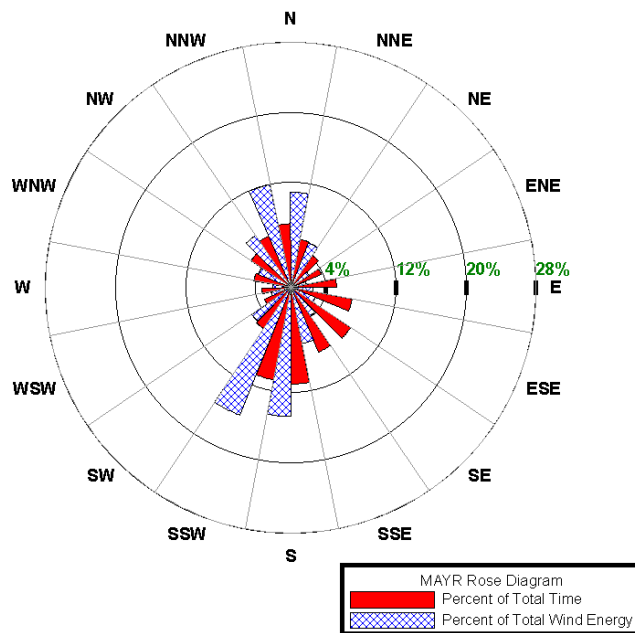
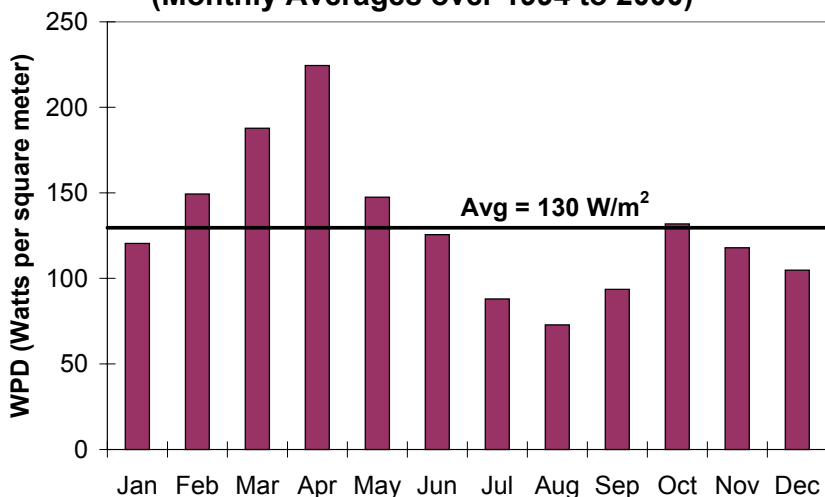
**Class 2 Site (January '94 – December '00)**  
**Average 10 m Wind Speed = 4.82 m/s (10.8 mph)**  
**Average Power Density = 130 W/m<sup>2</sup>**



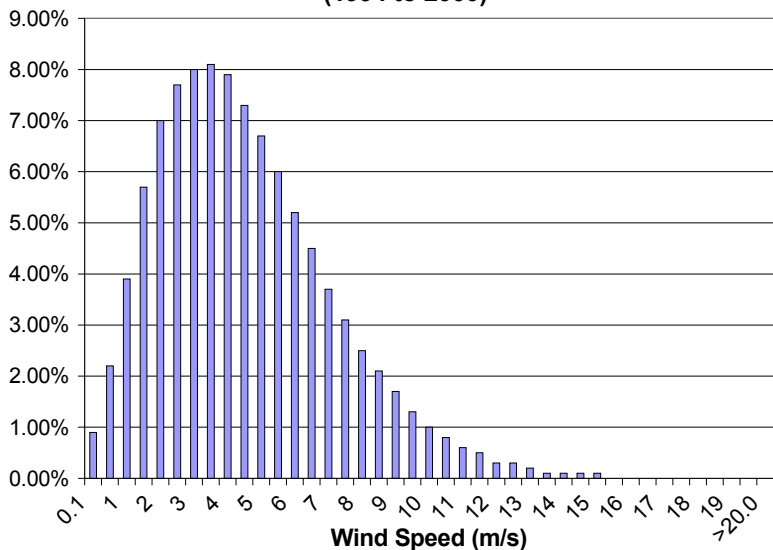
**Site Conditions:** This station's fetch conditions are rated "excellent". The terrain exposure at the site is +20 meters to the north and -12 meters to the south.

**Other Wind Statistics:** The five-minute averages for ten-meter wind speeds exceeded 9 m/s (20.1 mph) approximately 7.1% of the time, while winds were less than 4.5 m/s (10.1 mph) approximately 51.4% of the time.

**Monthly Wind Power Density at 10 m**  
**(Monthly Averages over 1994 to 2000)**



**Frequency Distribution of Winds**  
**(1994 to 2000)**



**Annual Wind Power Density at 10 m**  
**(1994 to 2000)**

