

Figure 2.3-1 – Principle Tracks of Winter Synoptic Cyclones that Potentially Affect Wisconsin Weather<sup>(a)</sup>

a) Based on Moran, J. M. and E. J. Hopkins, 2002.

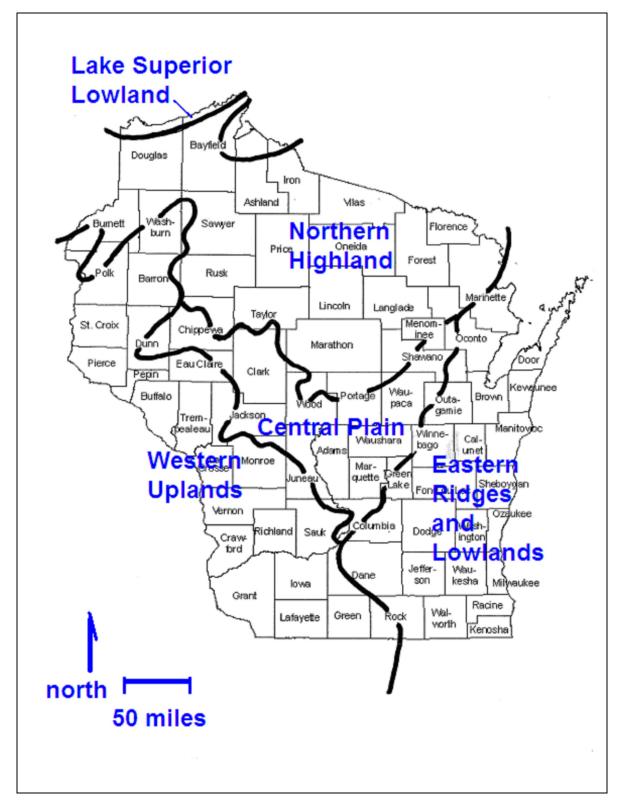


Figure 2.3-2 – Physiographic Provinces of Wisconsin<sup>(a)</sup>

a) Based on Moran, J. M. and E. J. Hopkins, 2002.

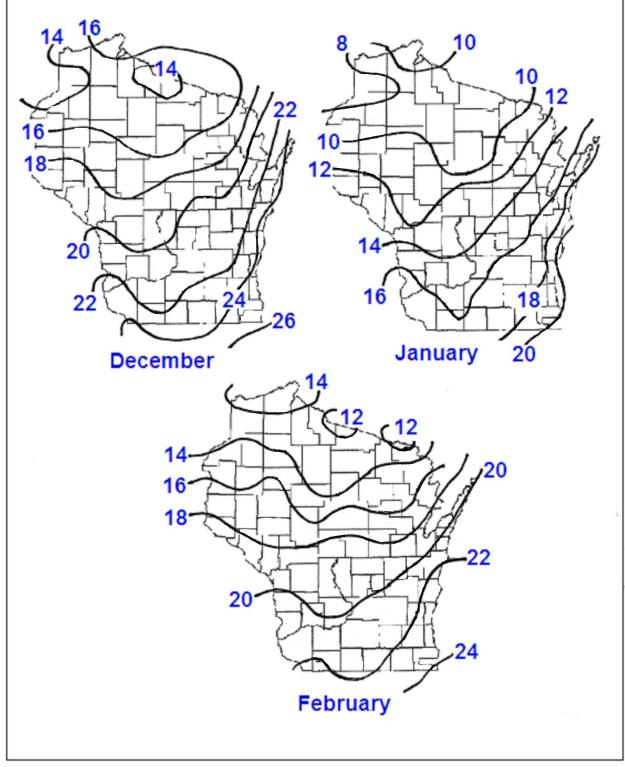


Figure 2.3-3 – Mean Wisconsin Winter Month Temperatures<sup>(a)</sup>

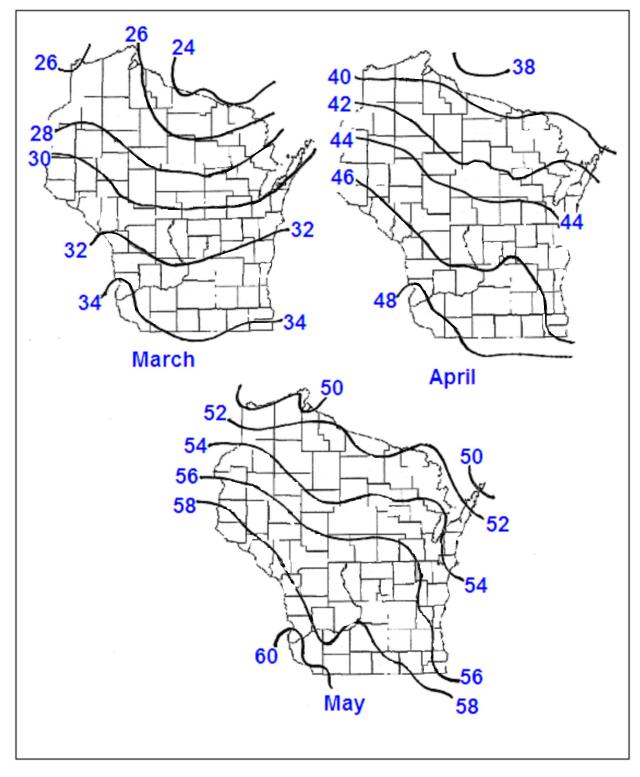


Figure 2.3-4 – Mean Wisconsin Spring Month Temperatures<sup>(a)</sup>

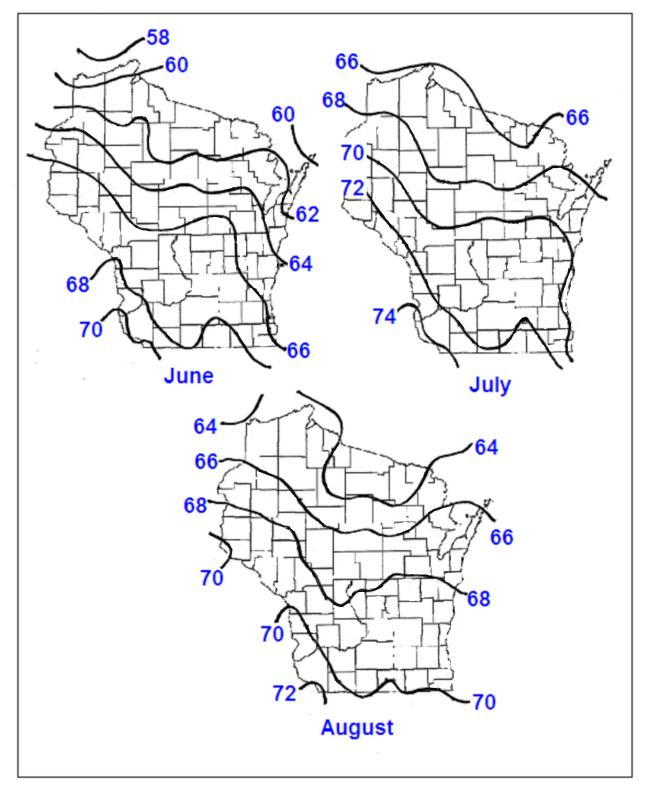


Figure 2.3-5 – Mean Wisconsin Summer Month Temperatures<sup>(a)</sup>

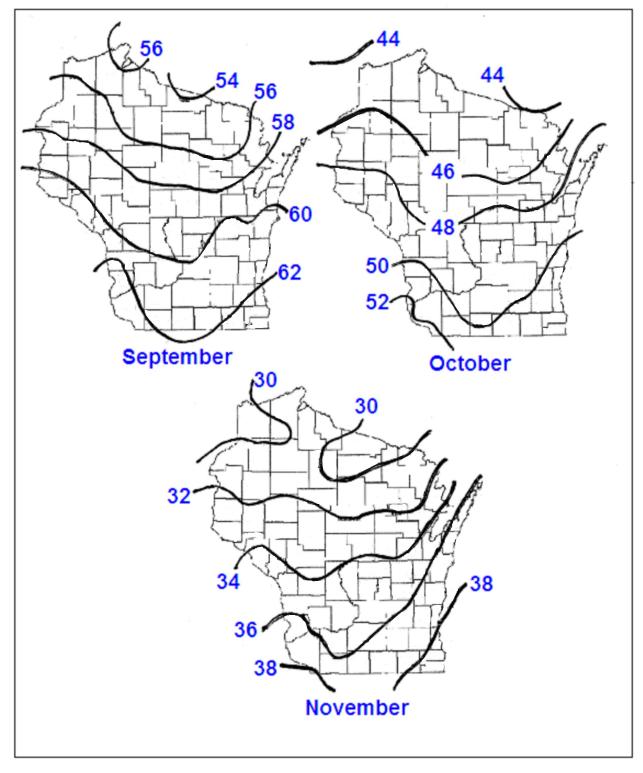


Figure 2.3-6 – Mean Wisconsin Autumn Month Temperatures<sup>(a)</sup>

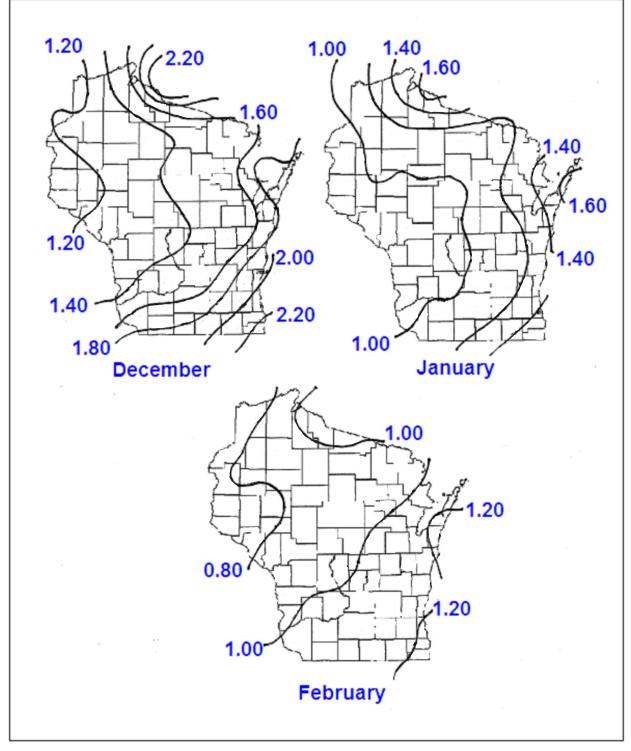


Figure 2.3-7 – Mean Wisconsin Winter Month Precipitation<sup>(a)</sup>

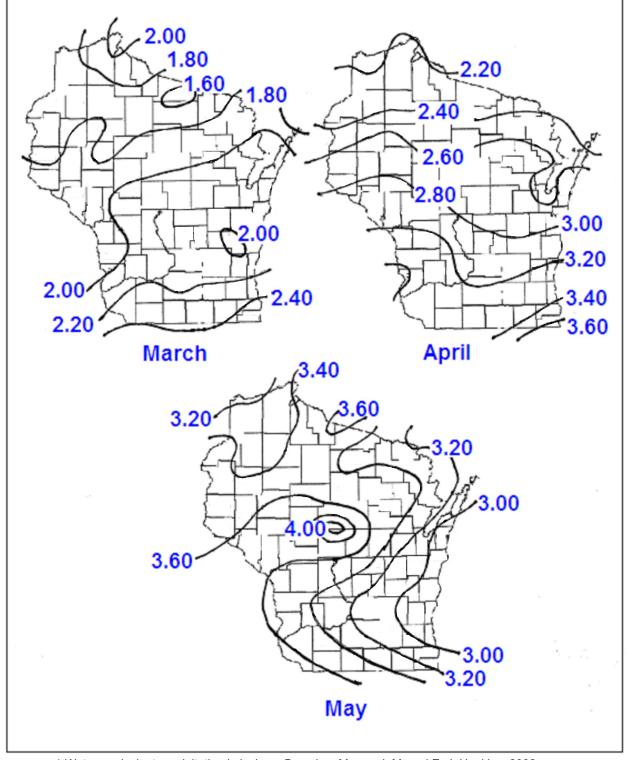


Figure 2.3-8 – Mean Wisconsin Spring Month Precipitation<sup>(a)</sup>

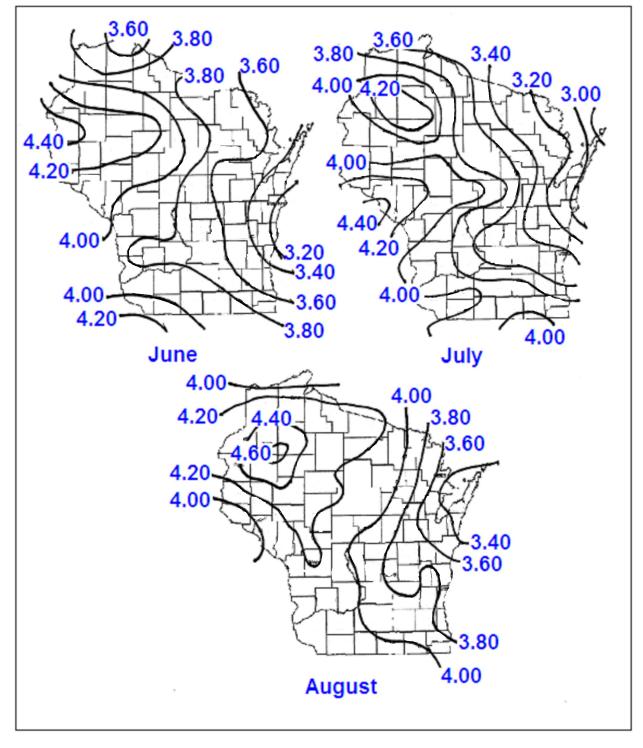


Figure 2.3-9 – Mean Wisconsin Summer Month Precipitation<sup>(a)</sup>

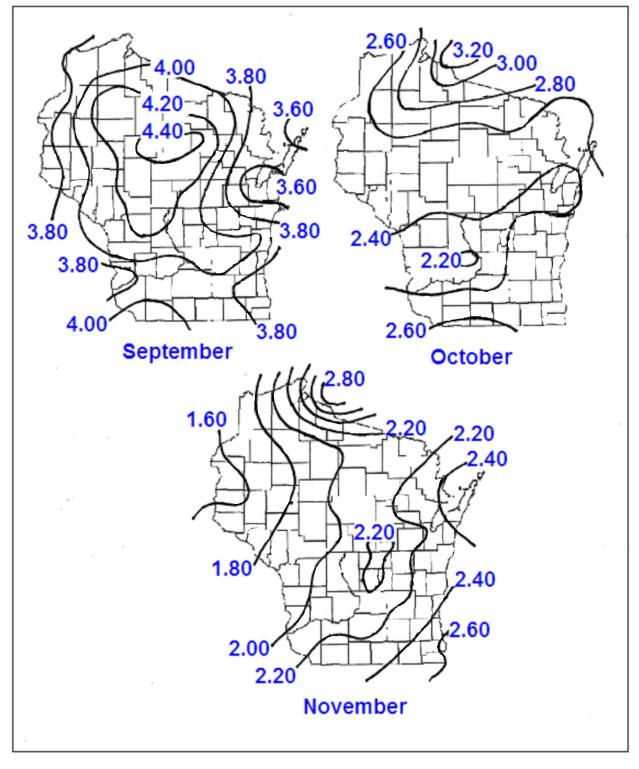


Figure 2.3-10 – Mean Wisconsin Autumn Month Precipitation<sup>(a)</sup>

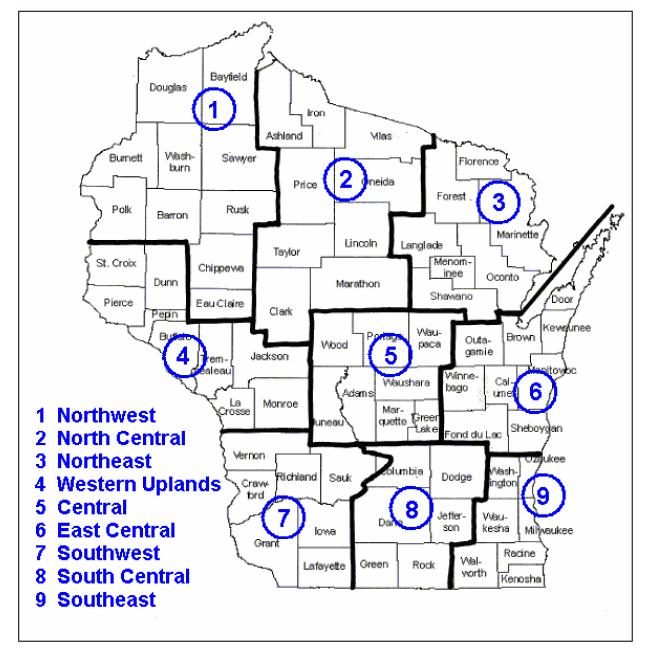


Figure 2.3-11 - NOAA COOP Network Climate Divisions of Wisconsin<sup>(a)</sup>

a) Based on NCDC, 2011f.

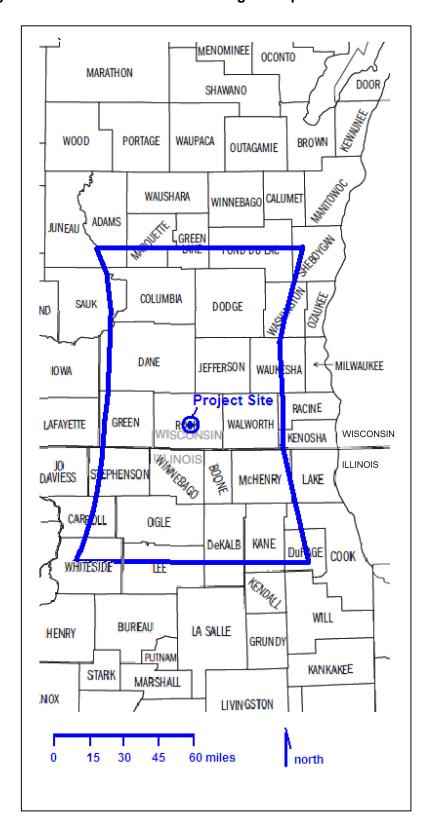


Figure 2.3-12 - Outline of Climate Region Representative of the Site

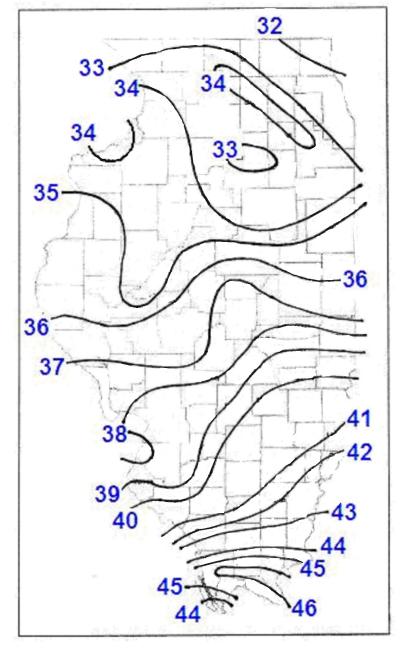


Figure 2.3-13 – Illinois Annual Mean Water Equivalent Precipitation<sup>(a)</sup>

a) Precipitation in inches.

b) Based on Changnon et al., 2004, NCDC, 2011e, and NCDC, 2011f.

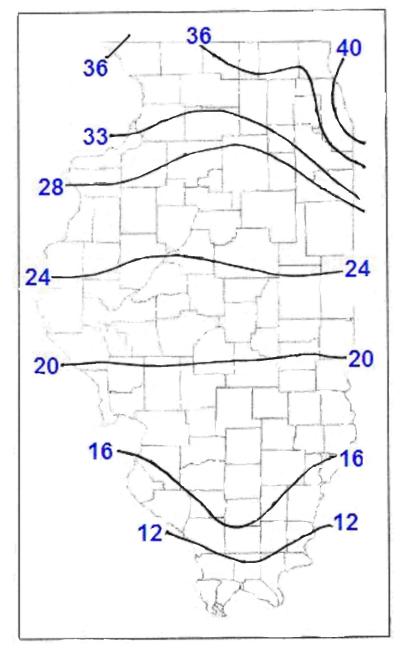


Figure 2.3-14 – Illinois Annual Mean Snowfall<sup>(a)</sup>

- a) Snowfall in inches.
- b) Based on Changnon et al., 2004, NCDC, 2011e, and NCDC, 2011f.

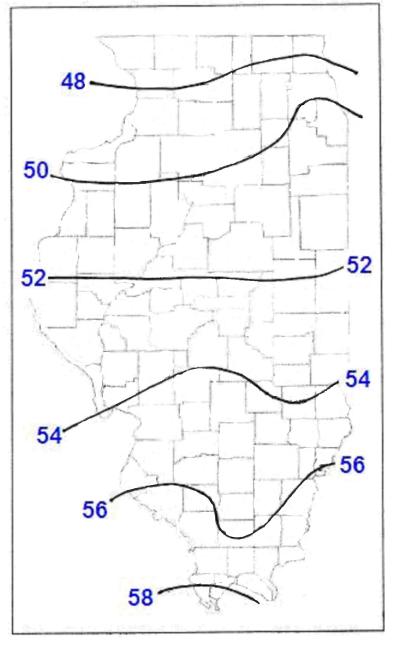


Figure 2.3-15 – Illinois Annual Mean Dry Bulb Temperatures<sup>(a)</sup>

a) Dry bulb temperatures in °F.b) Based on Changnon et al., 2004, NCDC, 2011e, and NCDC, 2011f.

MENOMINEE OCONTO MARATHON DOOF SHAWANO WOOD PORTAGE WAUPACA BROWN OUTAGAMIE WINNEBAGO CALUMET WAUSHARA ADAMS SCHE GREEN JUNEAU Fond du Lac Dodge County Baraboo, СОГЛИВМ DOD SAUK ND Madison O Vyatertown Middleton. Dane County ERSON MILWAUKEE WAUK SHA IOWA Project Site Monroe, Burlington WALWORTH LAFATELLE KENOSHA Janesville MANIENRY DAVIESS LAKE .Rockford Freeport DuPage Albertus **OGLE** County DelGLB KANE COOK WHITESIDE DeKalb Rochelle Taylor WILL BUREAU LA SALLE HENRY GRUNDY PUTNAM KANKAKEE STARK MARSHALL NOX LIVINGSTON 60 miles 15 30 45 north

Figure 2.3-16 - NOAA ASOS Stations Located within the Site Climate Region

MENOMINEE OCONTO MARATHON DOOR SHAWANO. WOOD PORTAGE WAUPACA BROWN OUTAGAMIE WAUSHA^ Beaver Horicon Wisconsin Dam MS Fond Du Lac Dalton Dells GREEN Baraboo DODGE O Portage Prairie AUK Watertown ODANE Madison Du Sac. Hartford 2W Oconomowoc Arlington. JEFFER ... Univ Farm MILWAUKEE WAUK SHA o Charmany Project Site Farm Ft Atkinson WALWORT Arboretum Lake Geneva Univ of WI Beloit Stoughton i Marengo /30N Rockford AP KANE DeC3LB COOK WHITESIDE DeKalb WILL BUREAU LA SALLE HENRY GRUNDY PUTNAM KANKAKEE STARK MARSHALL NOX LIVINGSTON 15 30 45 60 miles north

Figure 2.3-17 - NOAA COOP Stations Located within the Site Climate Region

Perimeter Green Lake Adams of Site Climate Region Juneau Fond Du Mar-Lac quette Washington Columbia Dodge Lake Sauk Michigan Waukesha Jefferson Walworth -Dane Racine Rock Project Green \$ite Kenosha  $\odot$ Lake Stephenson Boone McHenry Winnebago. Ogle Carroll Kane DuPage DeKab Lee Whiteside Cook

Figure 2.3-18 – Wisconsin and Illinois Counties within Site Climate Region Selected for Investigation of Severe Weather Phenomena

Figure 2.3-19 – Annual Wind Rose Southern Wisconsin Regional Airport (2005-2010)

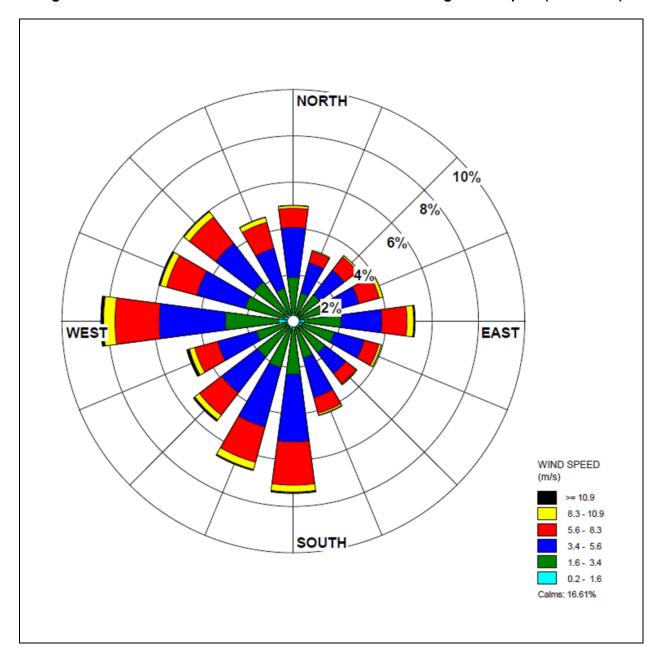


Figure 2.3-20 – January Wind Rose Southern Wisconsin Regional Airport (2005-2010)

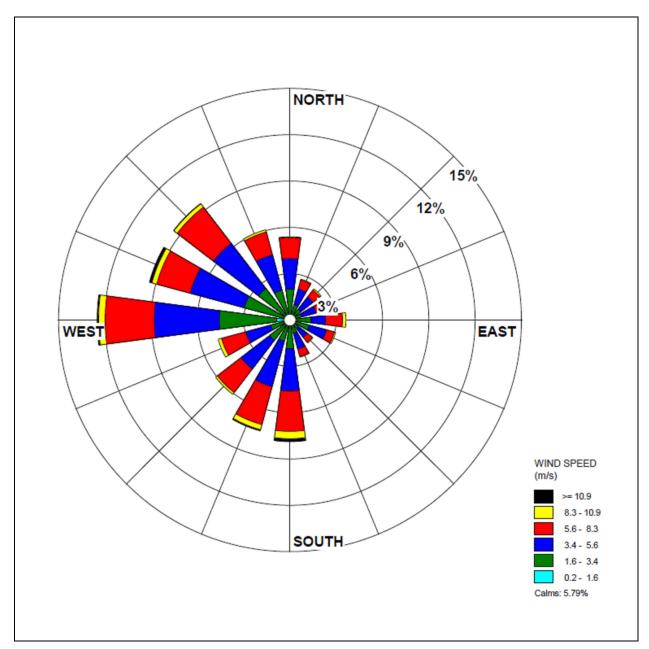


Figure 2.3-21 – February Wind Rose Southern Wisconsin Regional Airport (2005-2010)

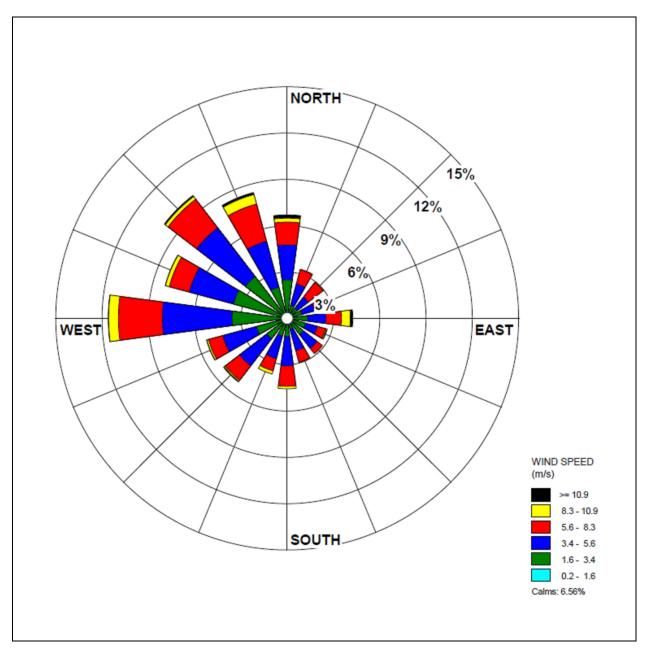


Figure 2.3-22 – March Wind Rose Southern Wisconsin Regional Airport (2005-2010)

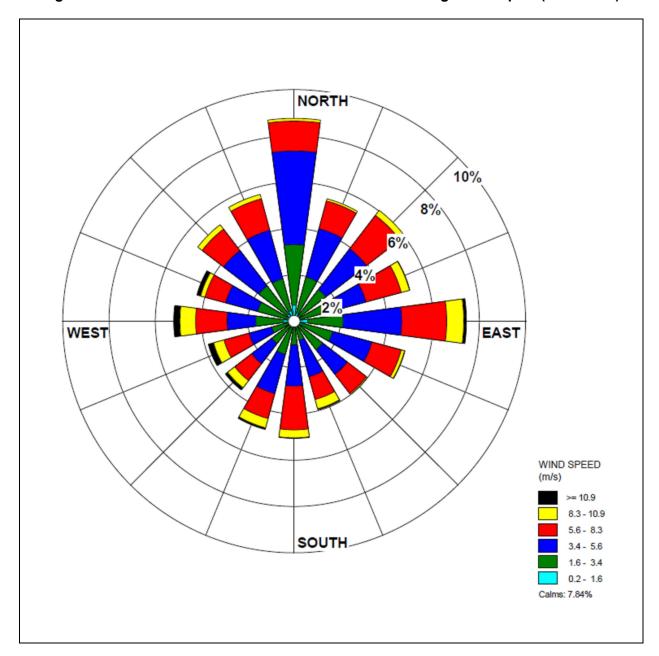


Figure 2.3-23 – April Wind Rose Southern Wisconsin Regional Airport (2005-2010)

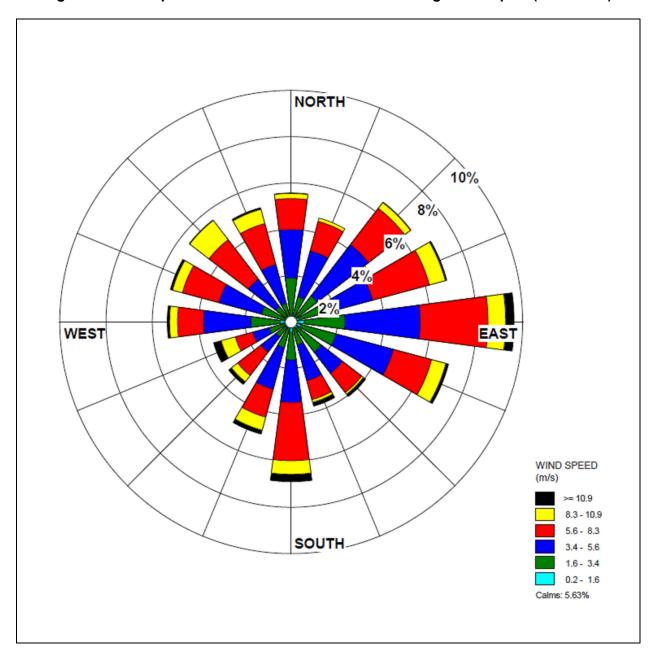


Figure 2.3-24 – May Wind Rose Southern Wisconsin Regional Airport (2005-2010)

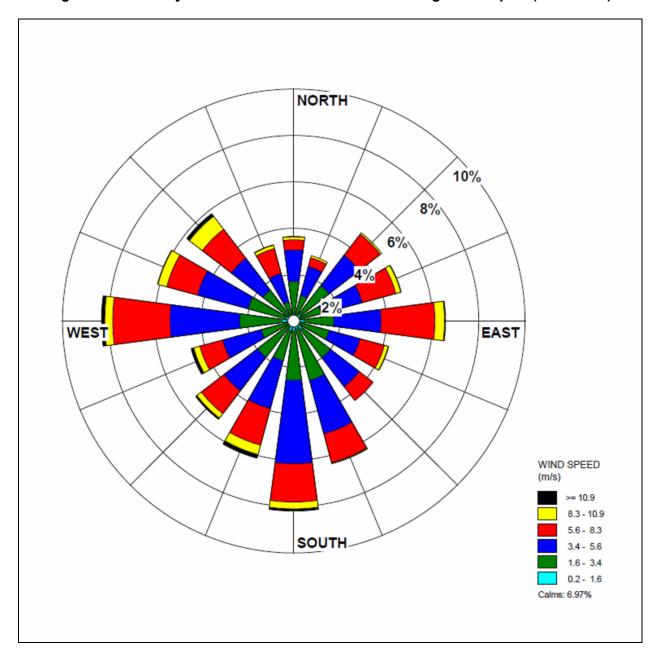


Figure 2.3-25 – June Wind Rose Southern Wisconsin Regional Airport (2005-2010)

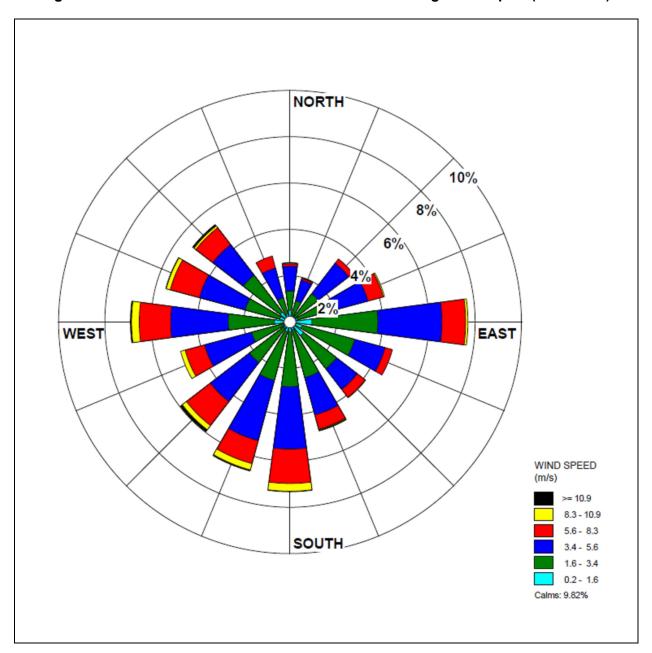


Figure 2.3-26 – July Wind Rose Southern Wisconsin Regional Airport (2005-2010)

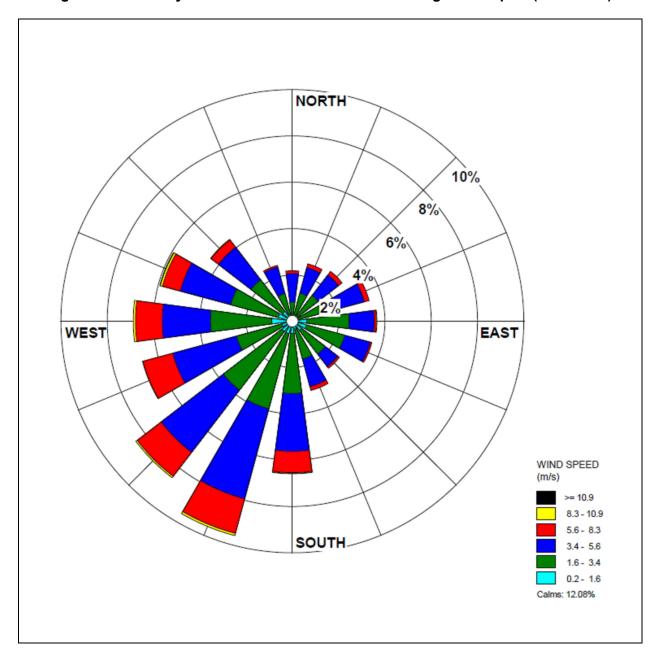


Figure 2.3-27 – August Wind Rose Southern Wisconsin Regional Airport (2005-2010)

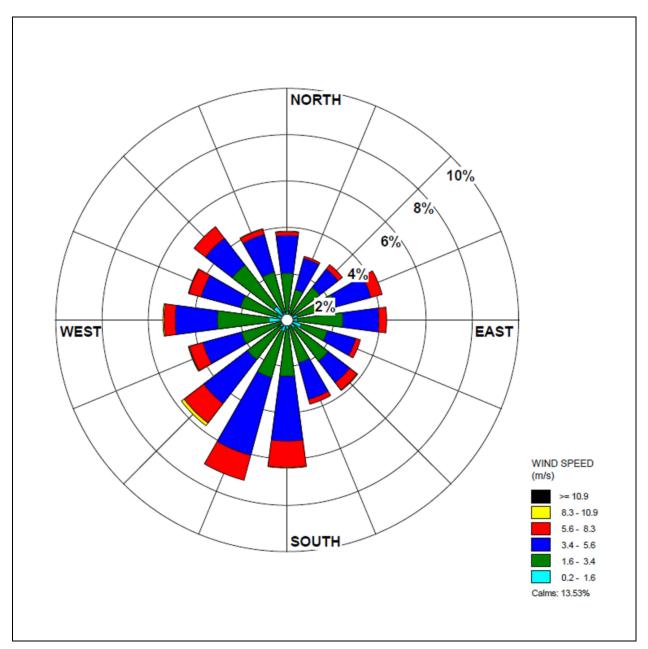


Figure 2.3-28 – September Wind Rose Southern Wisconsin Regional Airport (2005-2010)

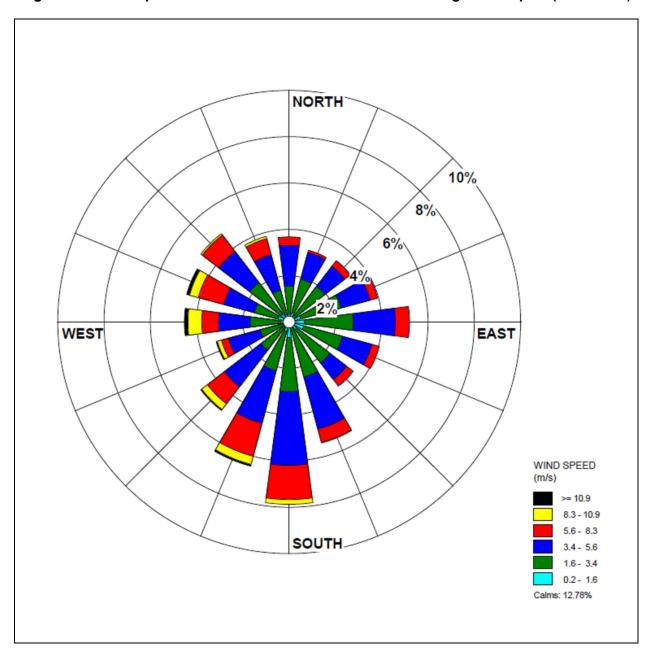


Figure 2.3-29 – October Wind Rose Southern Wisconsin Regional Airport (2005-2010)

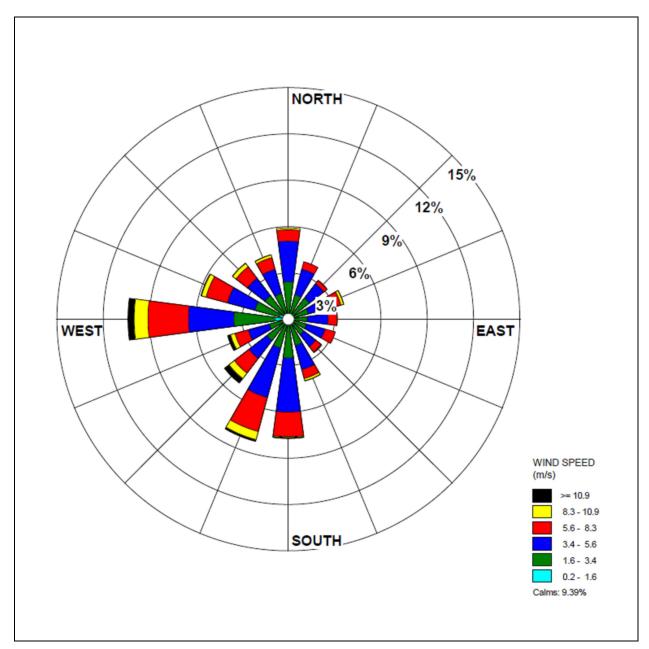


Figure 2.3-30 – November Wind Rose Southern Wisconsin Regional Airport (2005-2010)

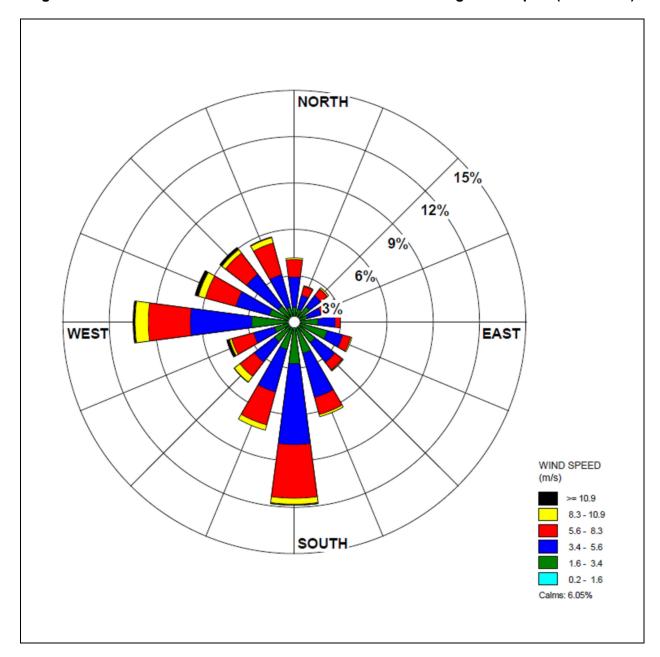


Figure 2.3-31 – December Wind Rose Southern Wisconsin Regional Airport (2005-2010)

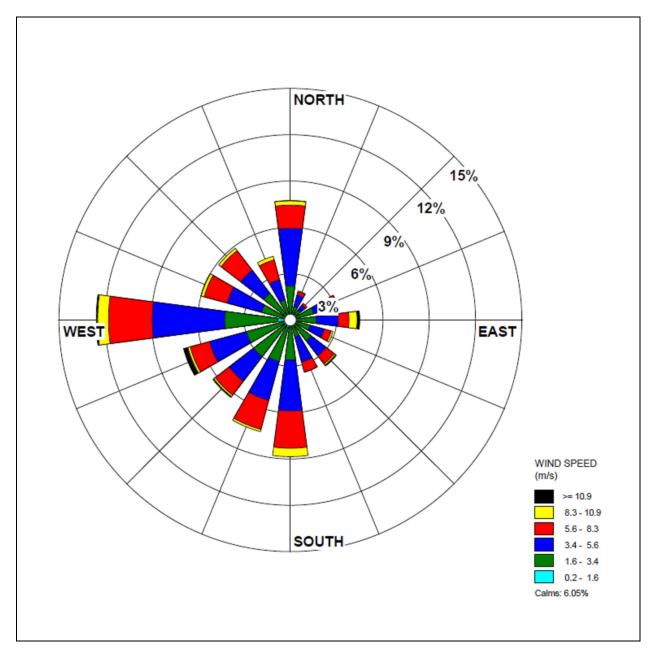


Figure 2.3-32 – Winter Wind Rose Southern Wisconsin Regional Airport (2005-2010)

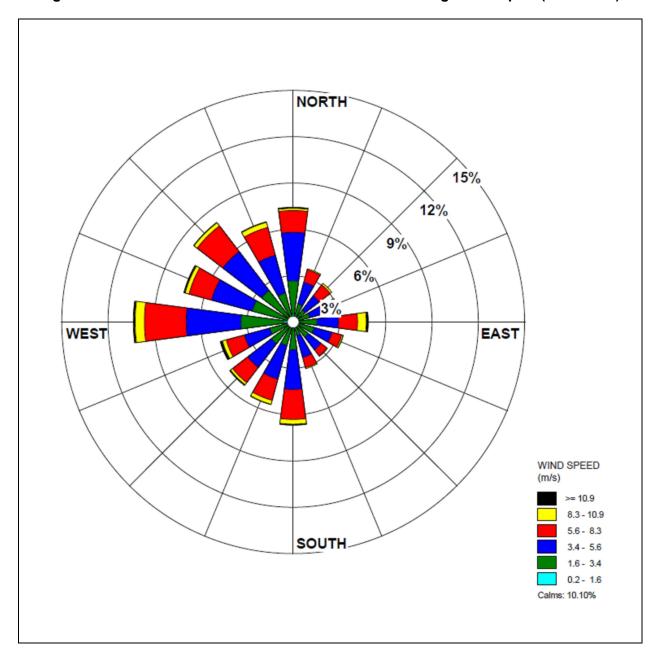


Figure 2.3-33 – Spring Wind Rose Southern Wisconsin Regional Airport (2005-2010)

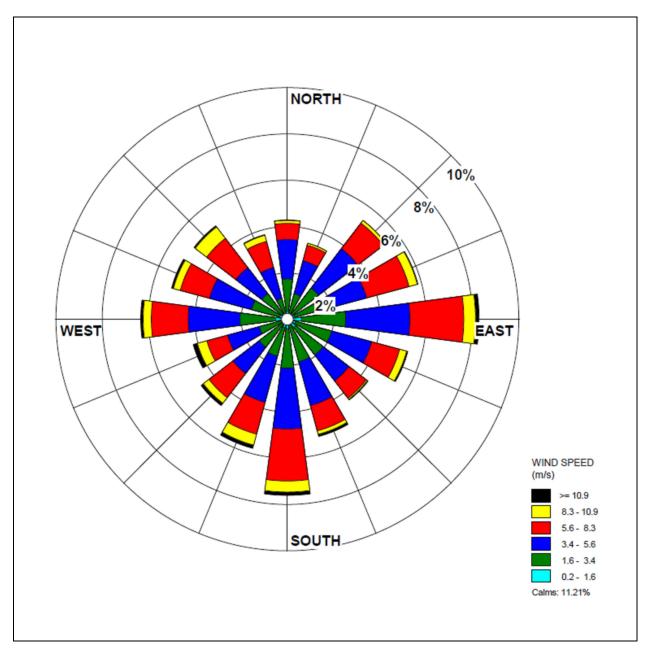


Figure 2.3-34 – Summer Wind Rose Southern Wisconsin Regional Airport (2005-2010)

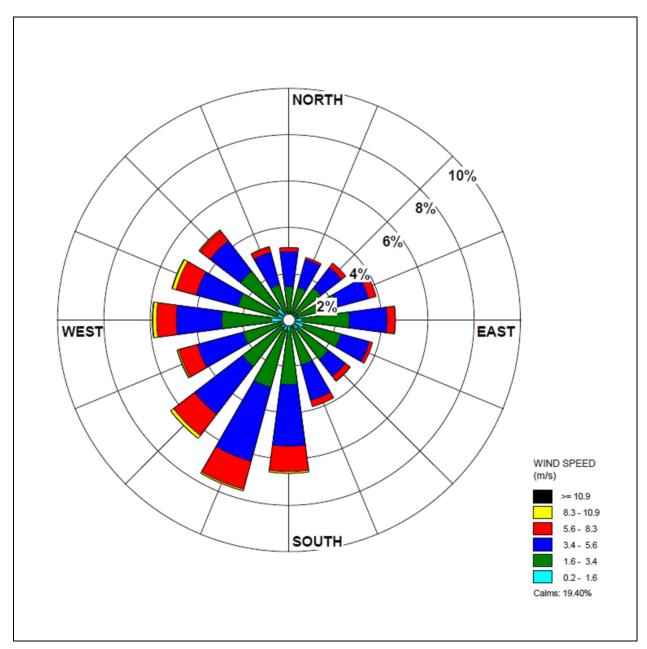


Figure 2.3-35 – Autumn Wind Rose Southern Wisconsin Regional Airport (2005-2010)

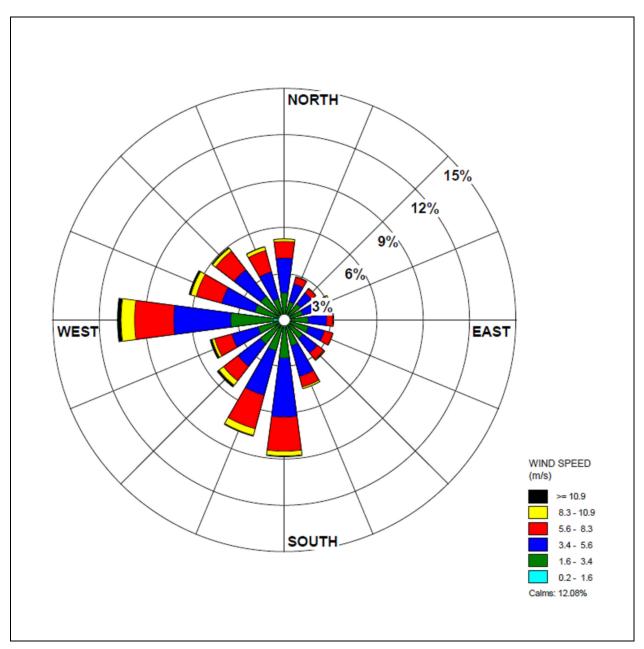


Figure 2.3-36 – Annual Wind Roses Southern Wisconsin Regional Airport (Janesville, WI) and Regional Stations

