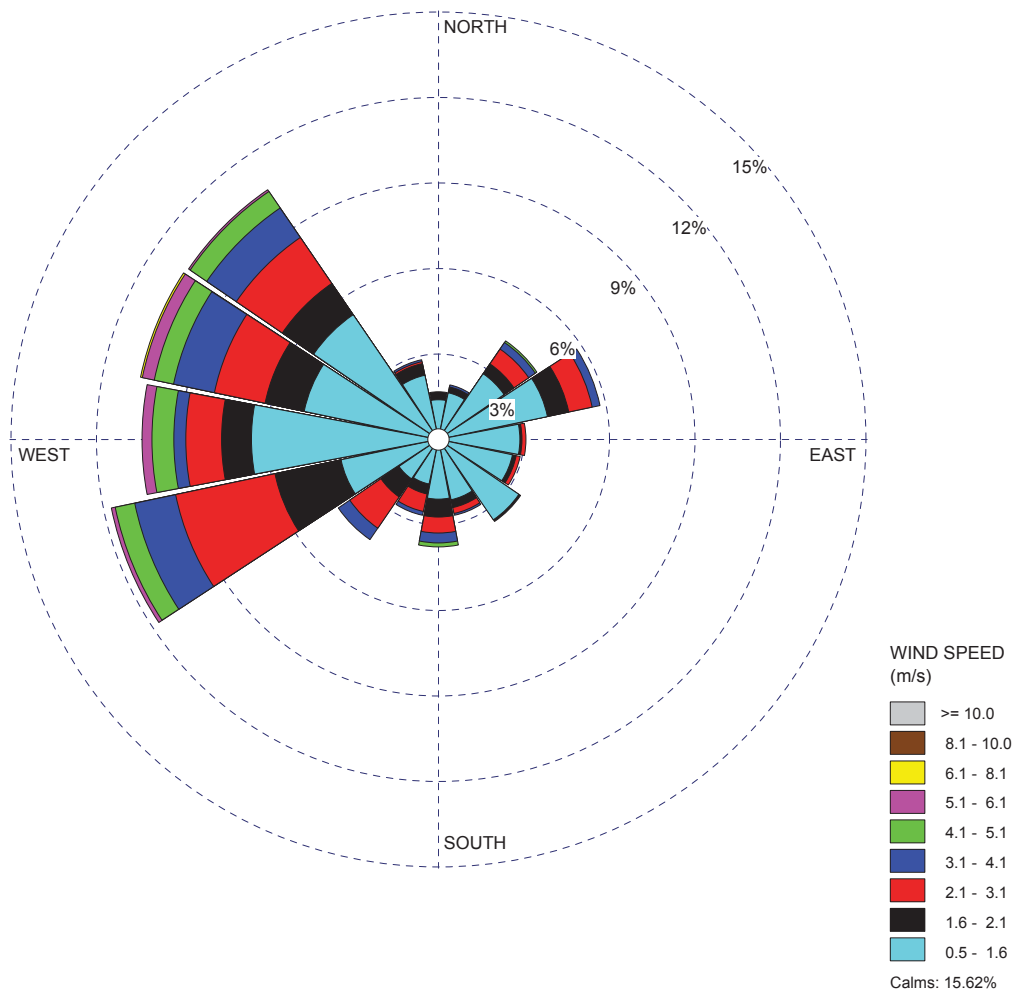


Figure 2.7.2-1. Roane County Census Block Group PM2.5 Non-Attainment Area Relative to CRN Site

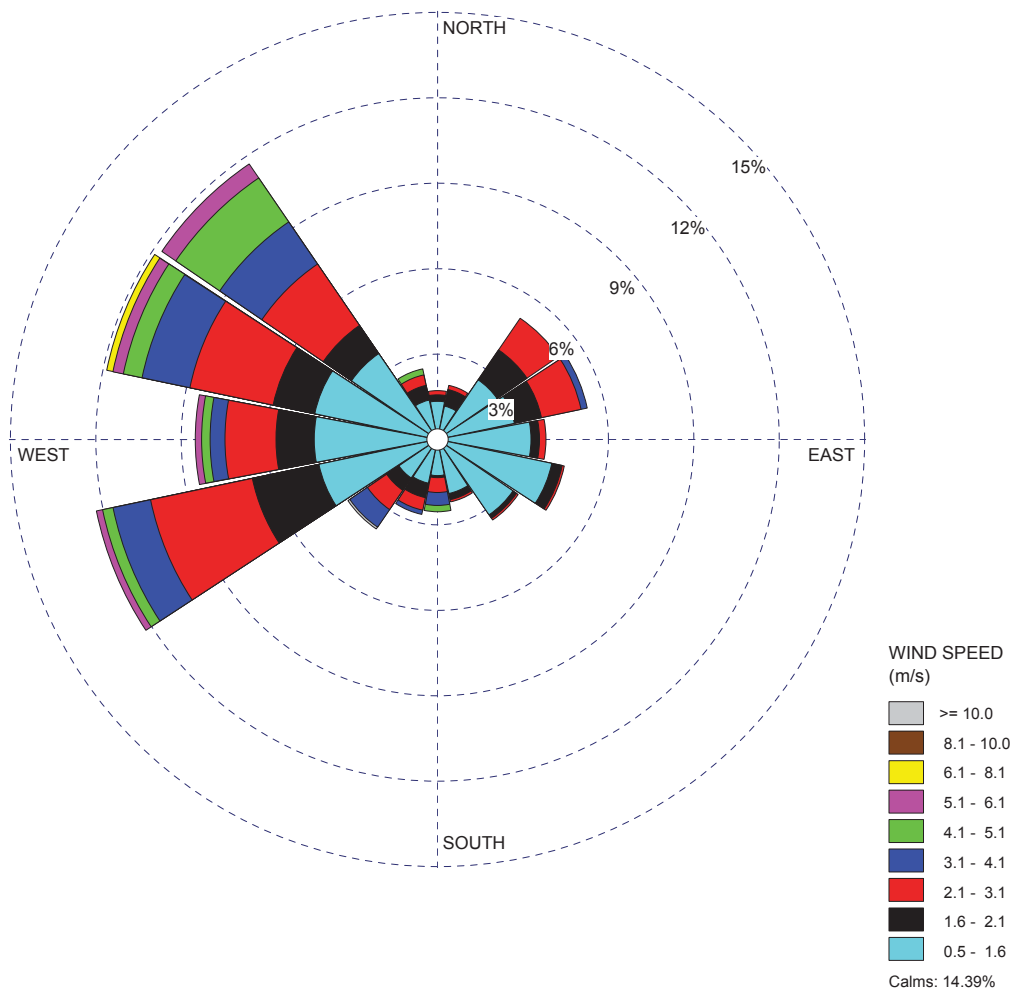
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-1. Wind Rose CRN Site 10-meter January (Sheet 1 of 12)

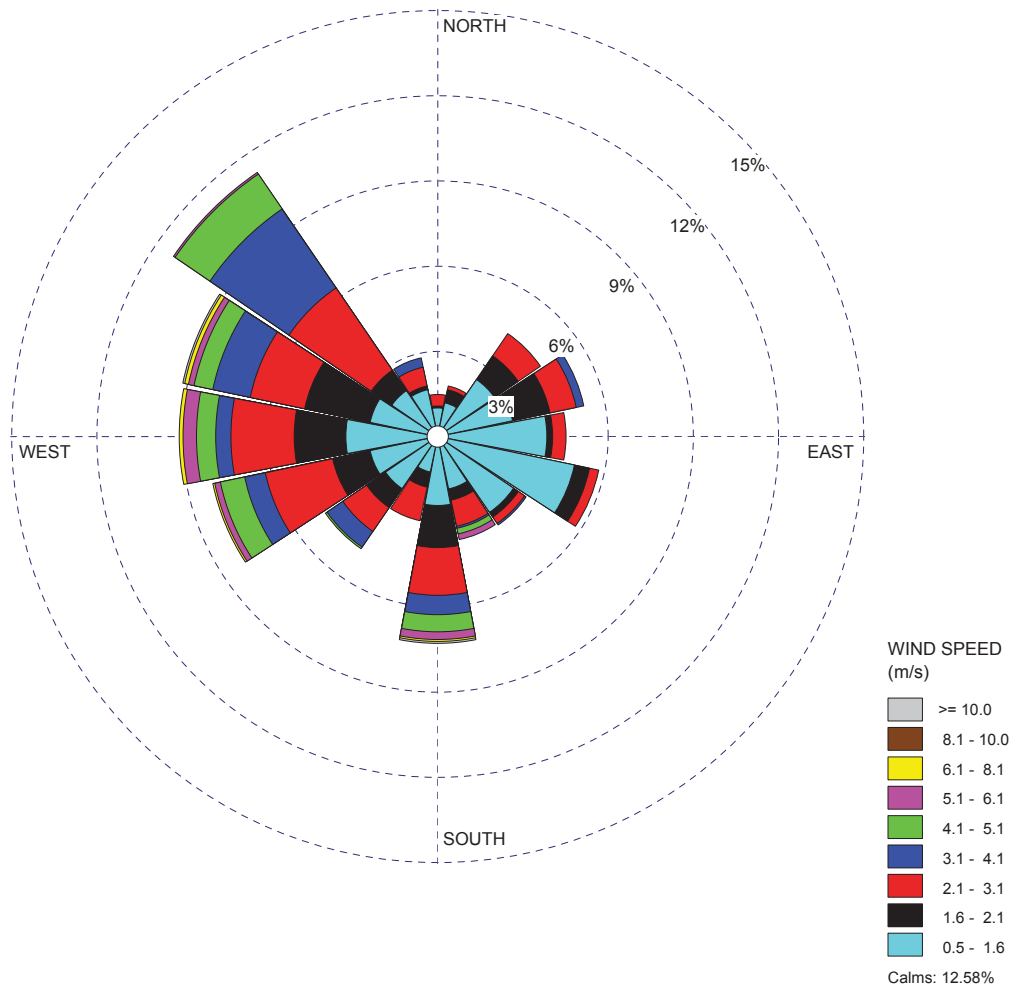
Clinch River Nuclear Site  
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-1. Wind Rose CRN Site 10-meter February (Sheet 2 of 12)

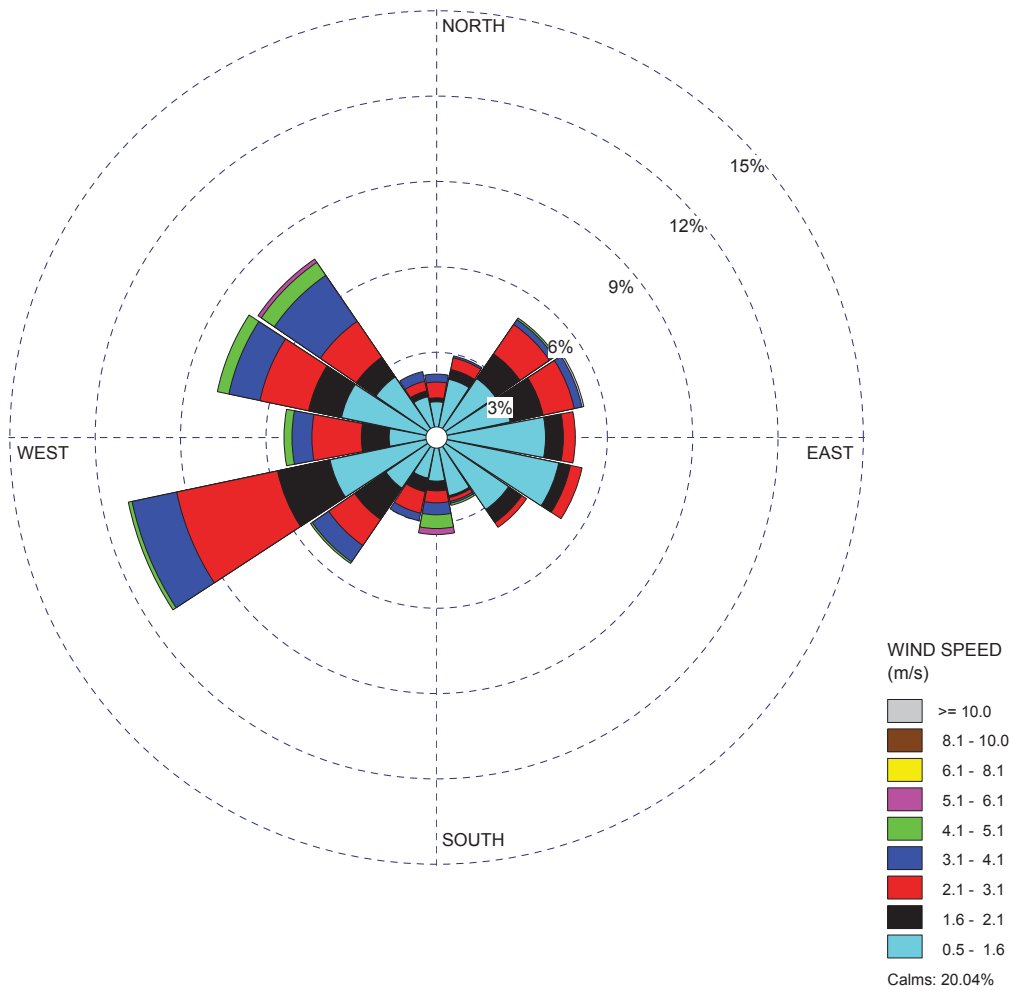
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-1. Wind Rose CRN Site 10-meter March (Sheet 3 of 12)

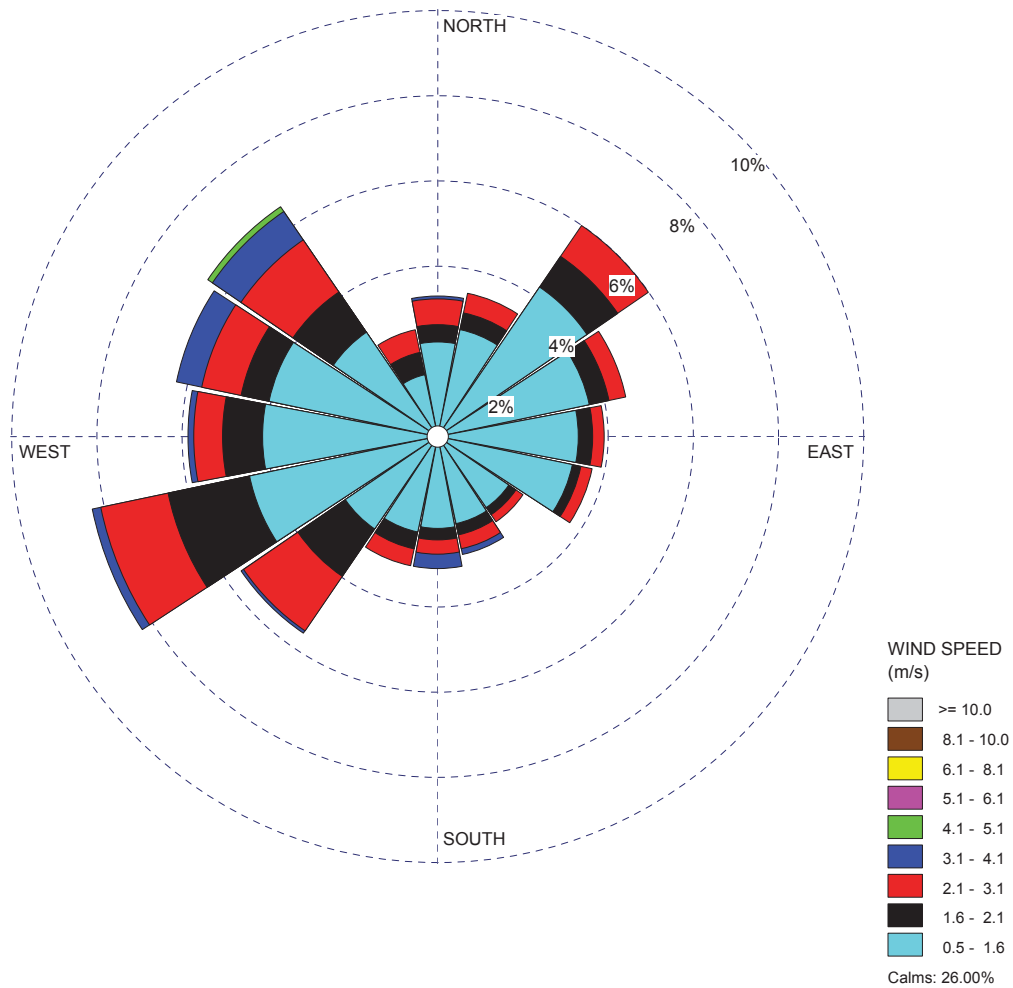
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-1. Wind Rose CRN Site 10-meter April (Sheet 4 of 12)

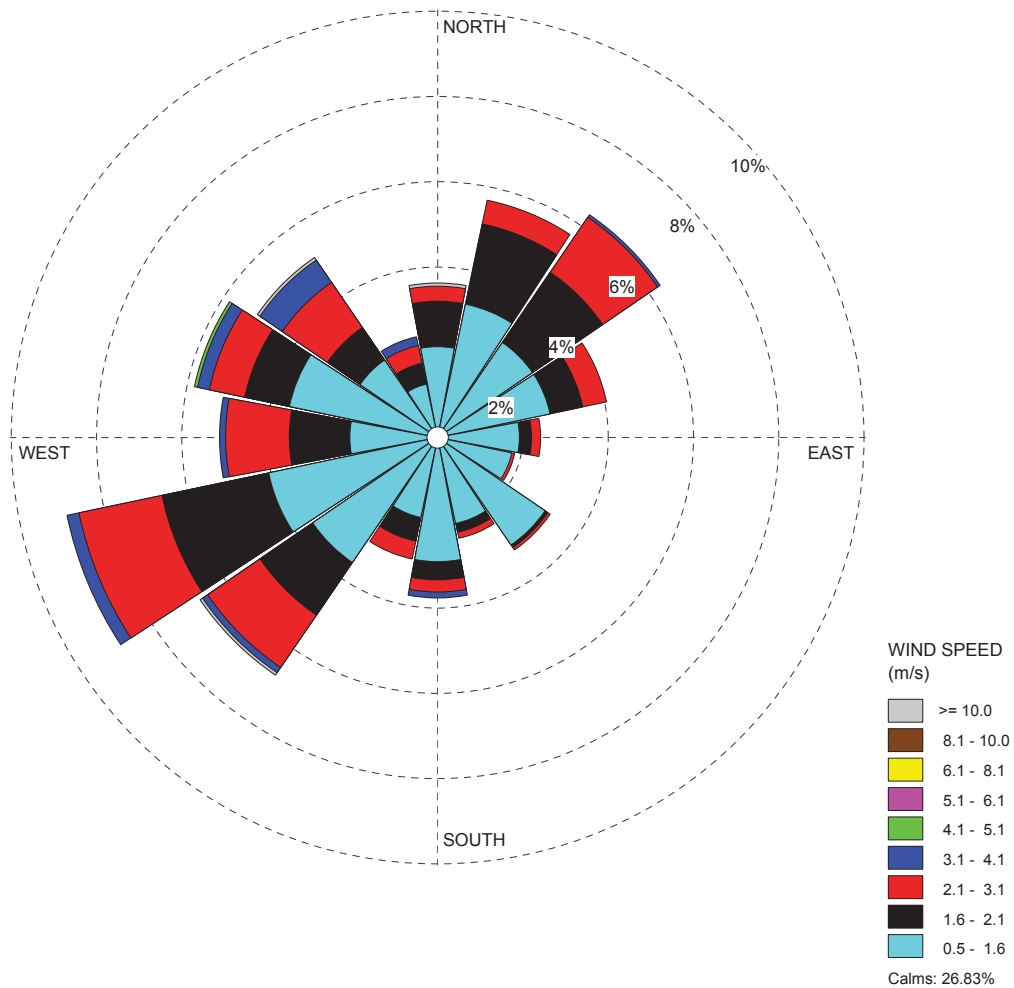
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-1. Wind Rose CRN Site 10-meter May (Sheet 5 of 12)

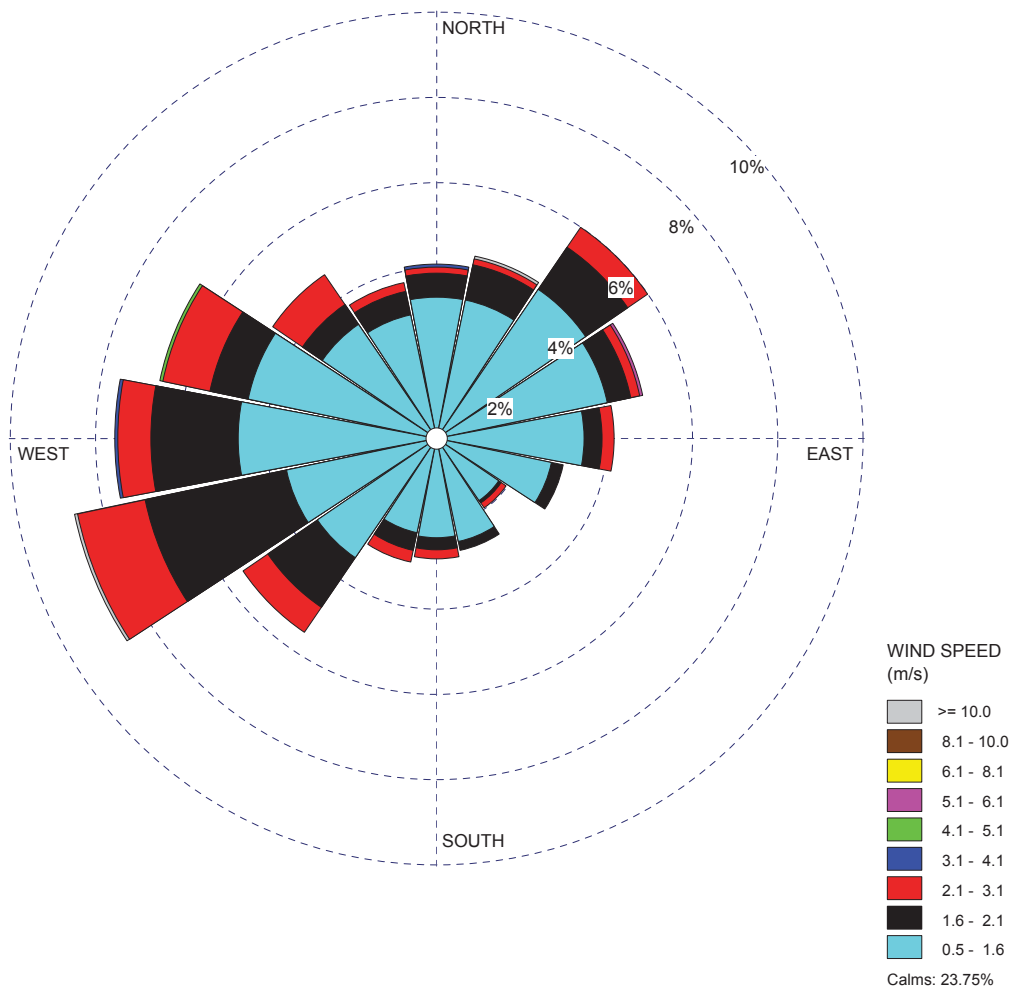
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-1. Wind Rose CRN Site 10-meter June (Sheet 6 of 12)

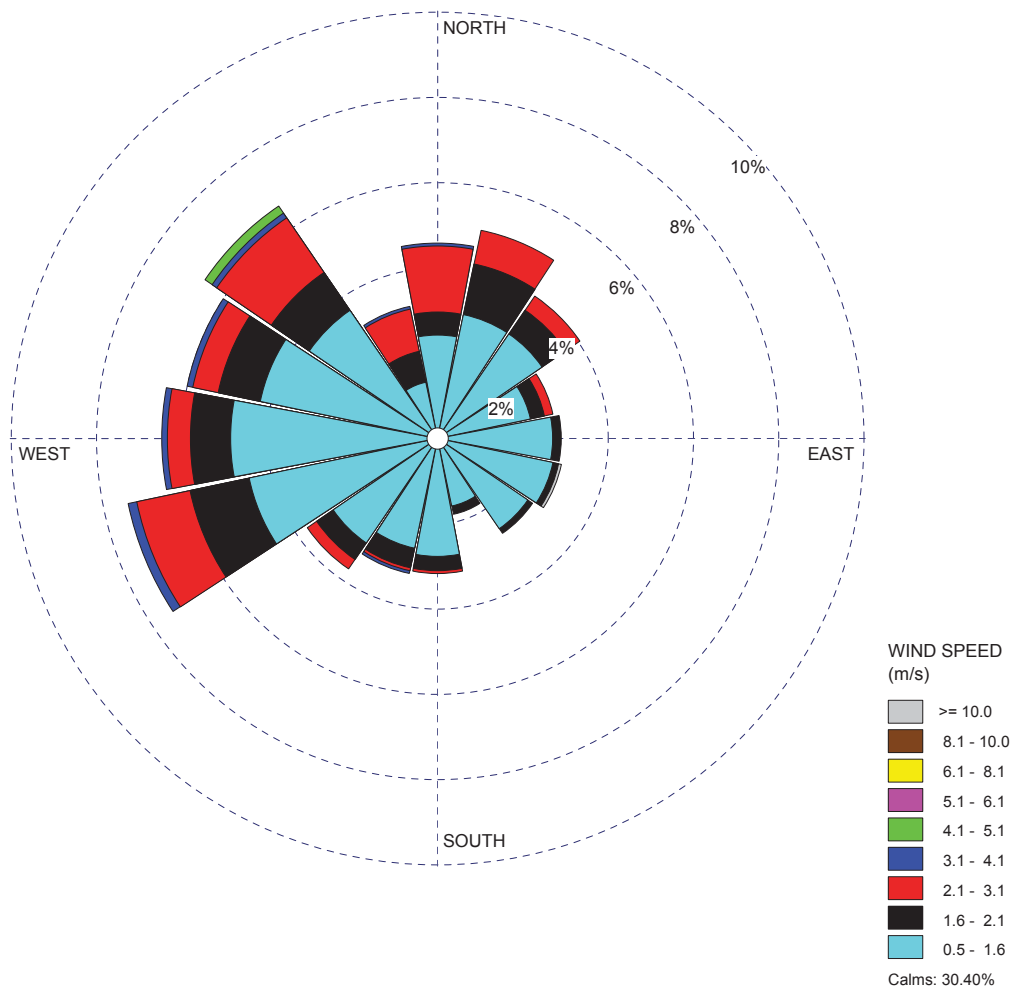
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-1. Wind Rose CRN Site 10-meter July (Sheet 7 of 12)

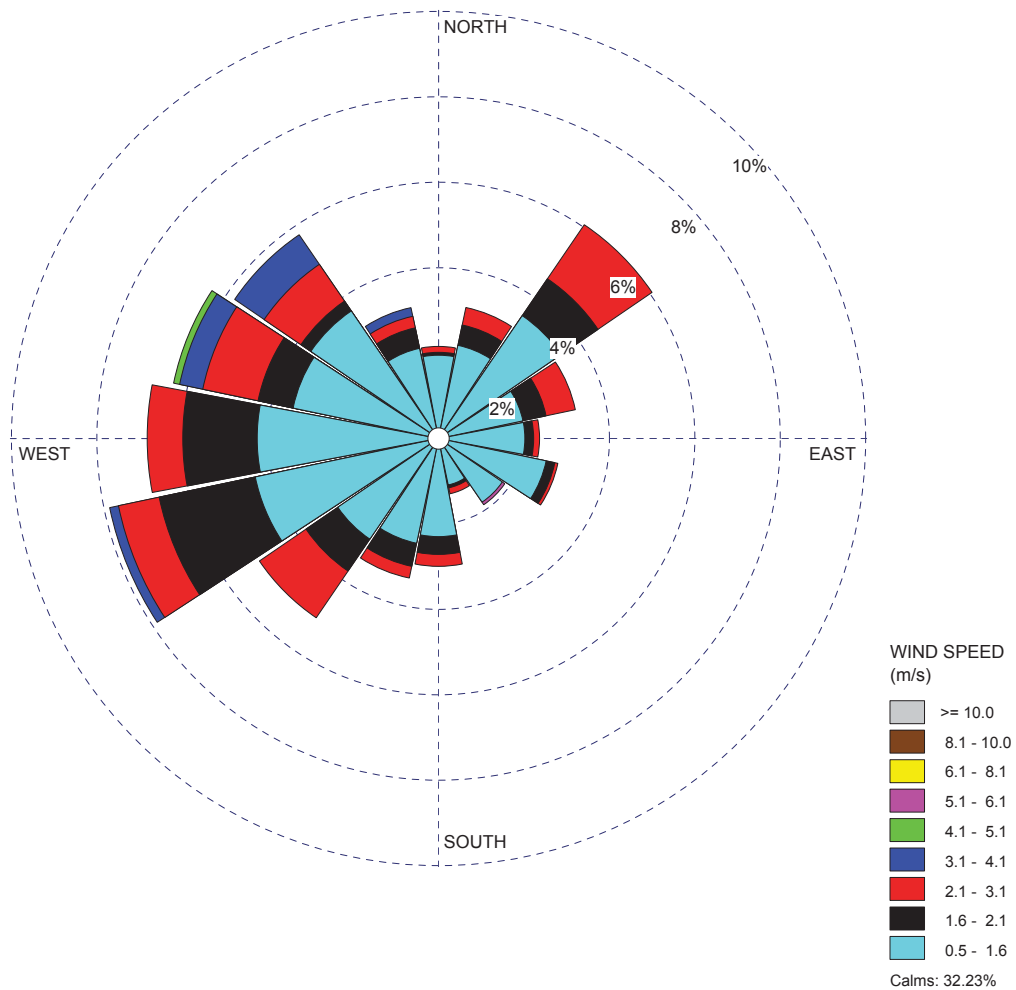
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-1. Wind Rose CRN Site 10-meter August (Sheet 8 of 12)

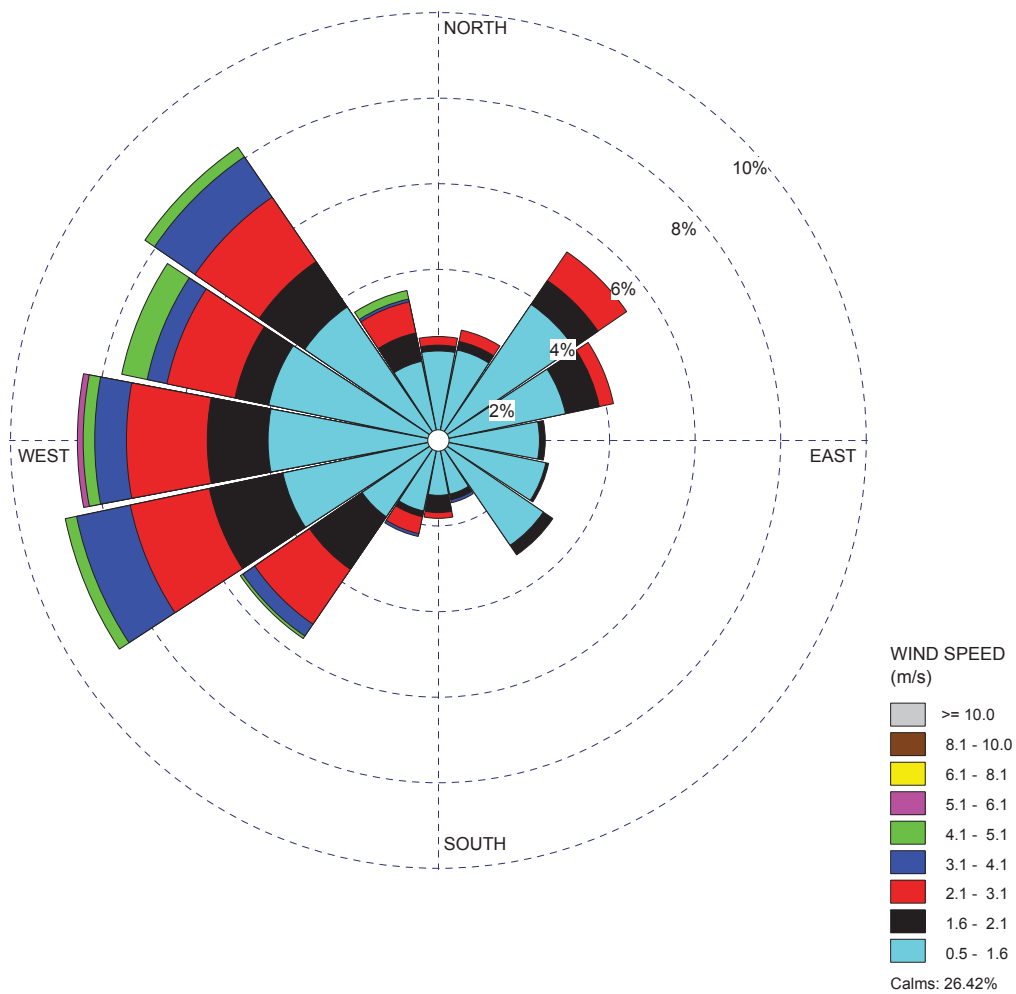
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-1. Wind Rose CRN Site 10-meter September (Sheet 9 of 12)

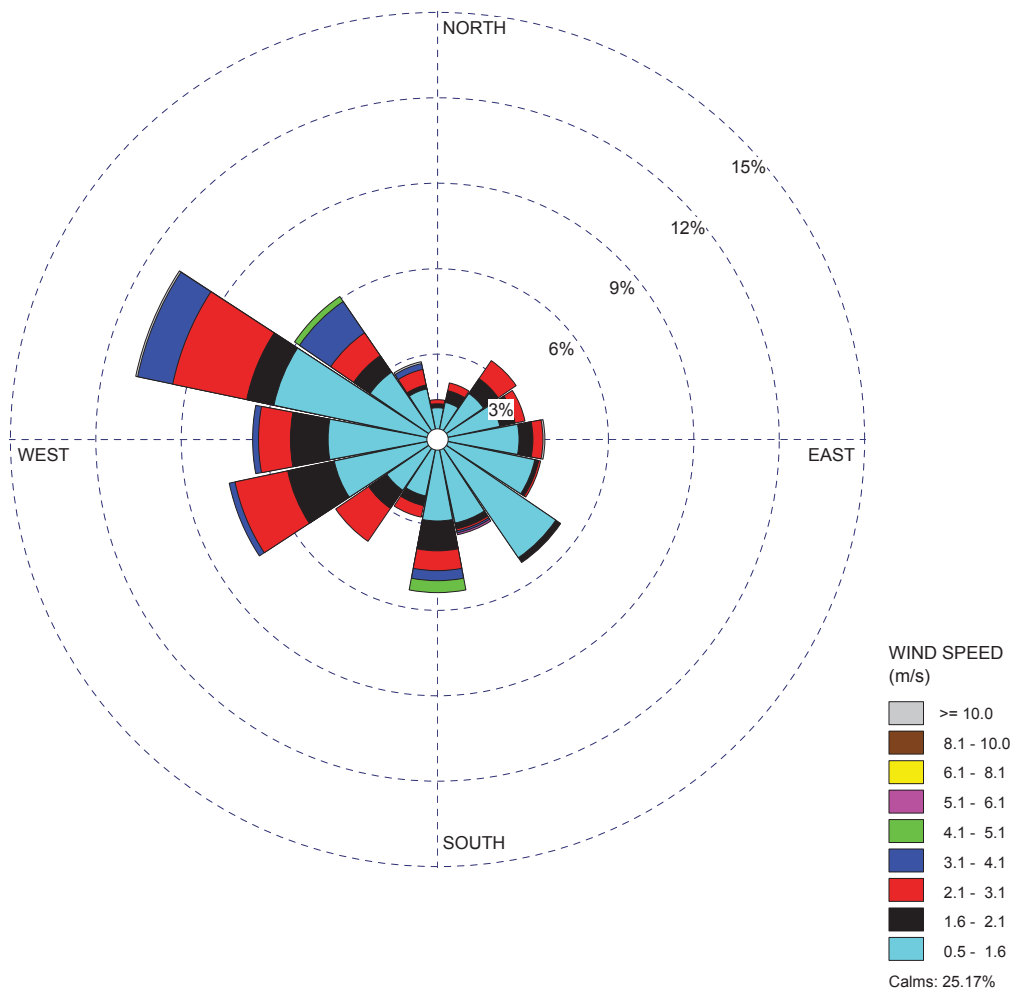
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-1. Wind Rose CRN Site 10-meter October (Sheet 10 of 12)

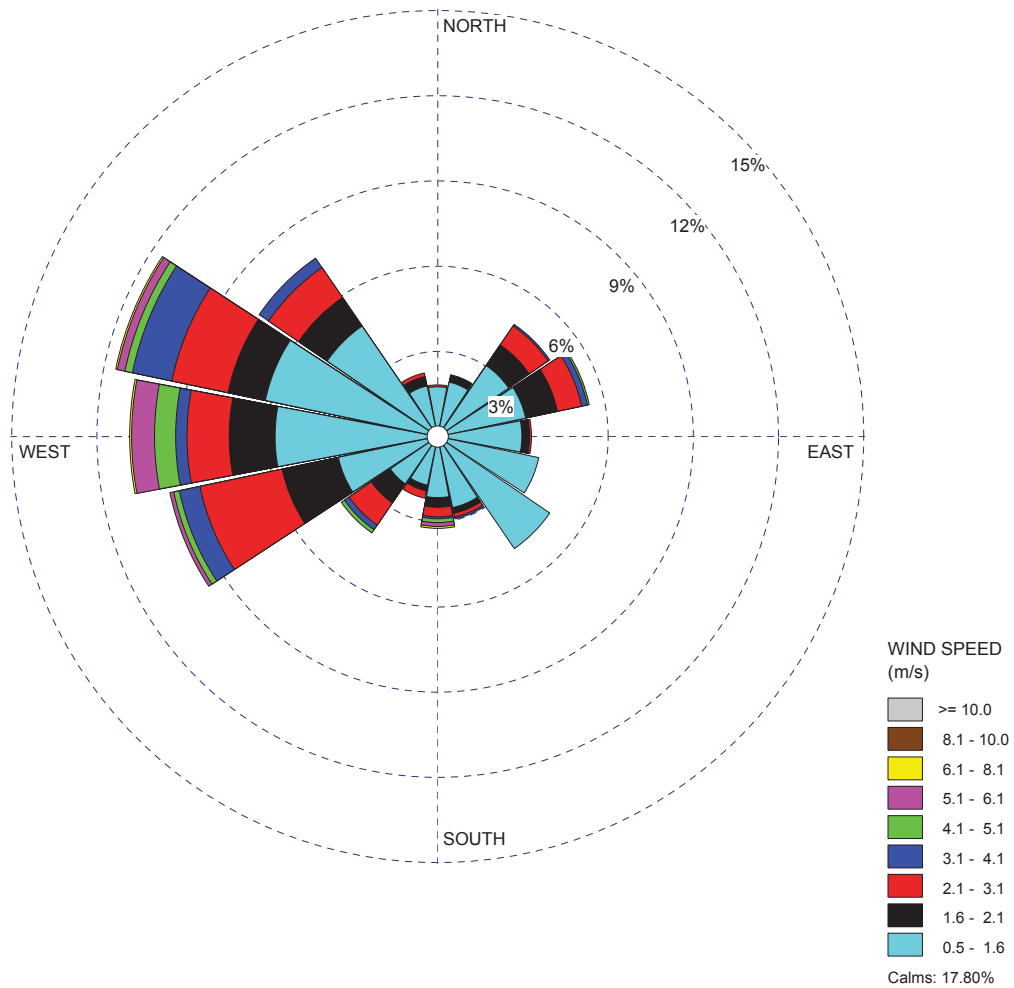
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-1. Wind Rose CRN Site 10-meter November (Sheet 11 of 12)

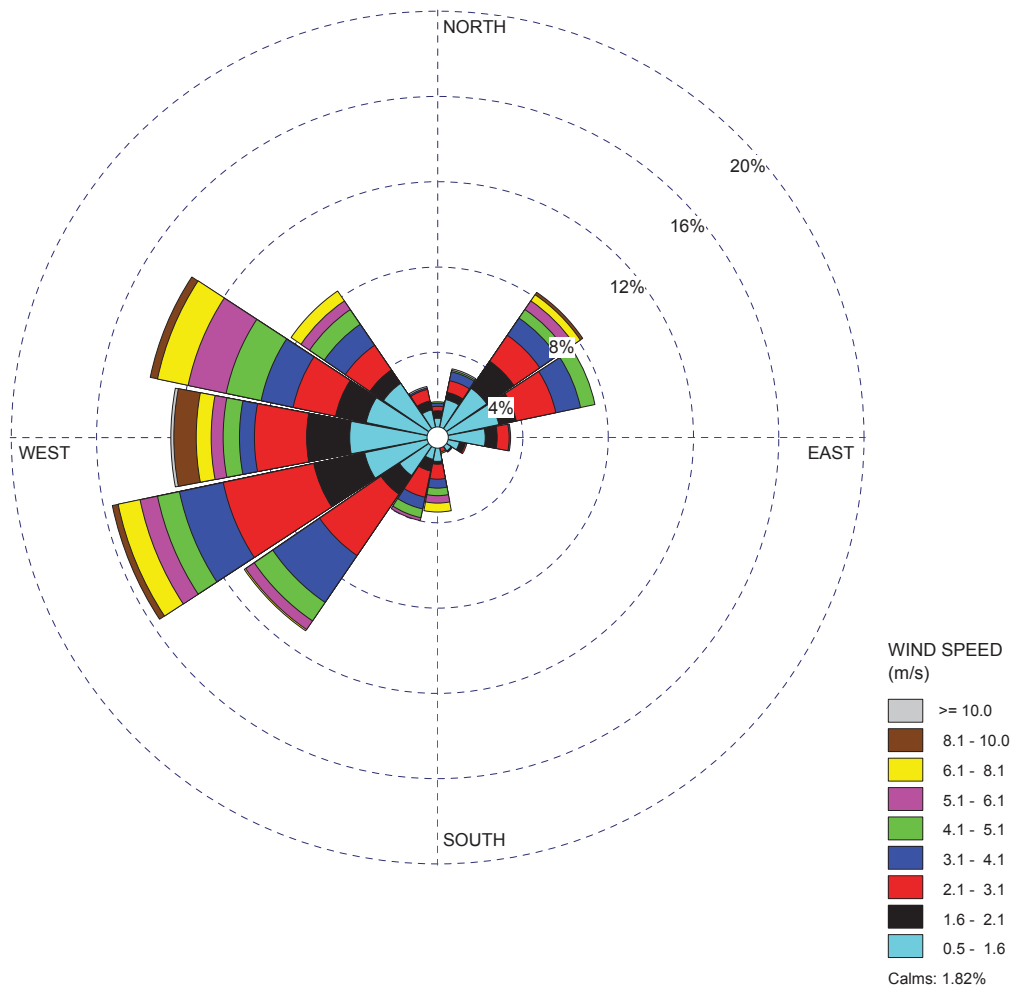
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-1. Wind Rose CRN Site 10-meter December (Sheet 12 of 12)

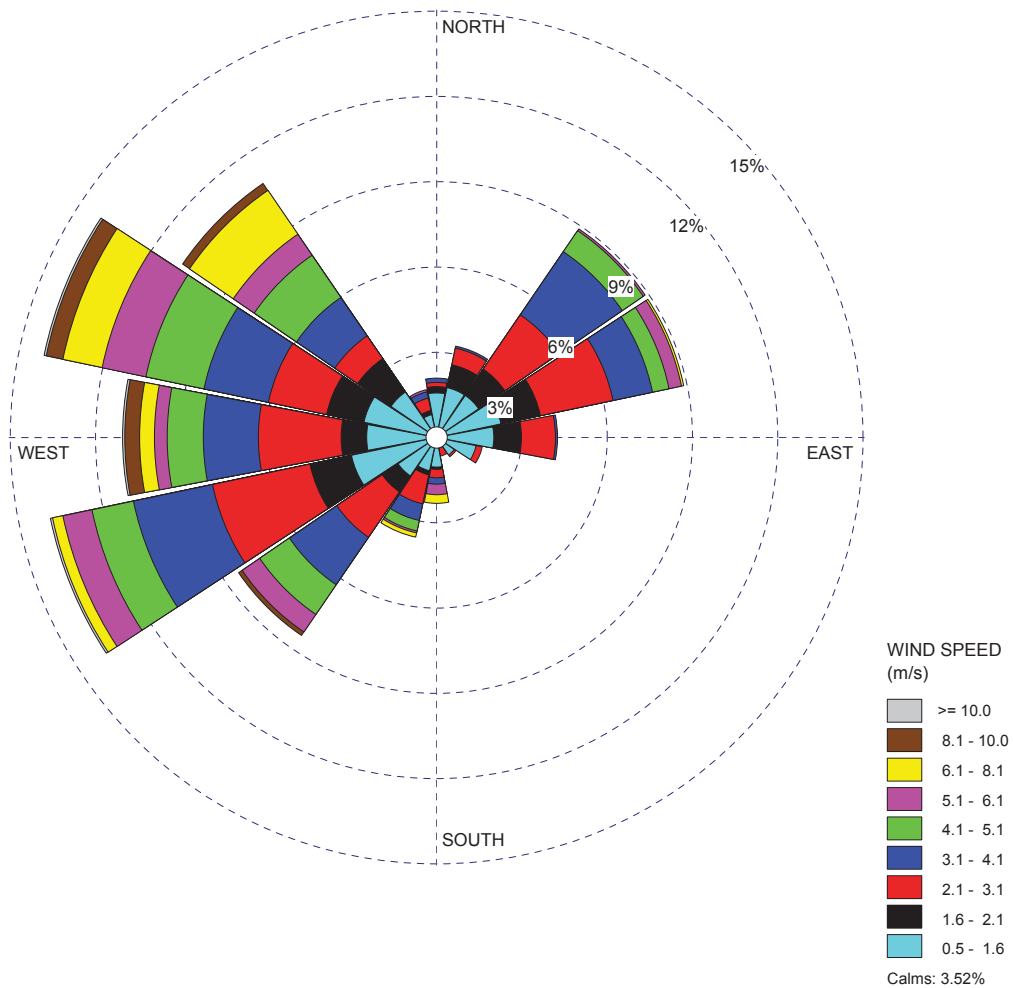
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-2. Wind Rose CRN Site 60-meter January (Sheet 1 of 12)

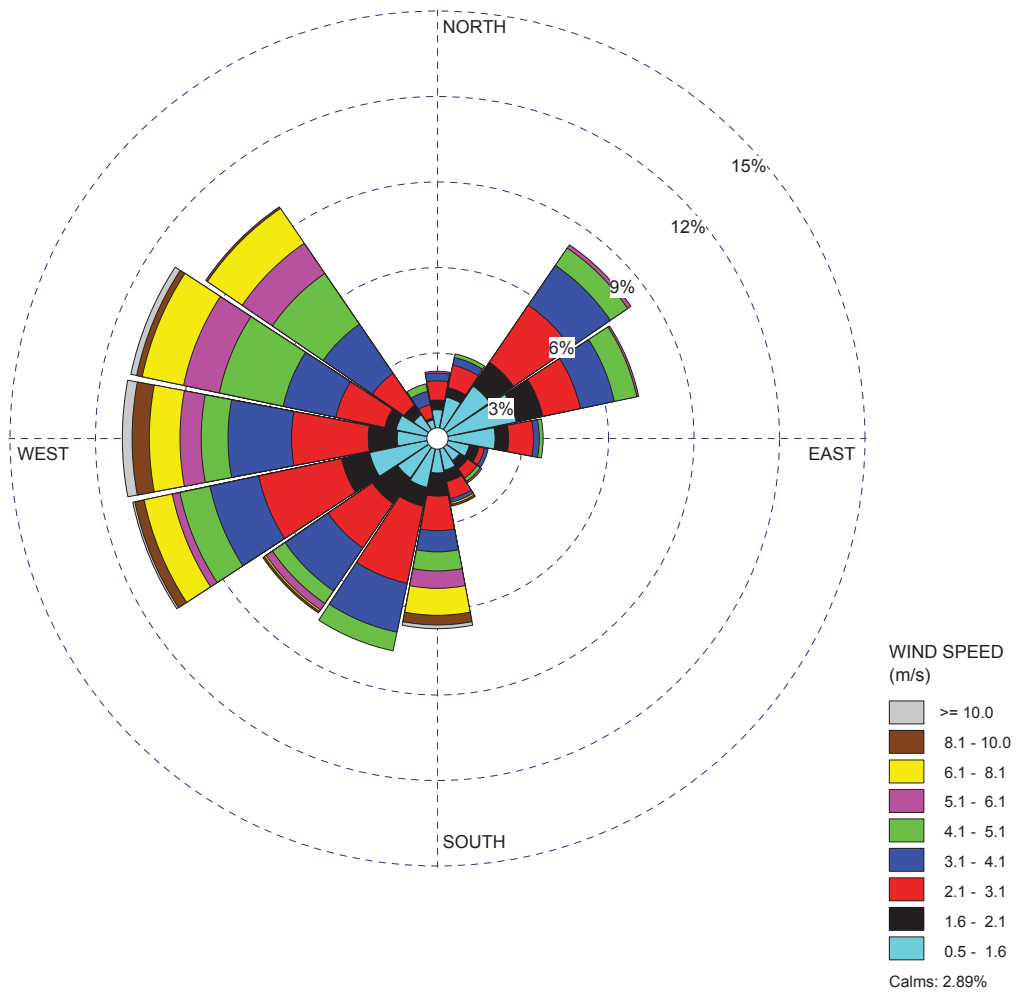
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-2. Wind Rose CRN Site 60-meter February (Sheet 2 of 12)

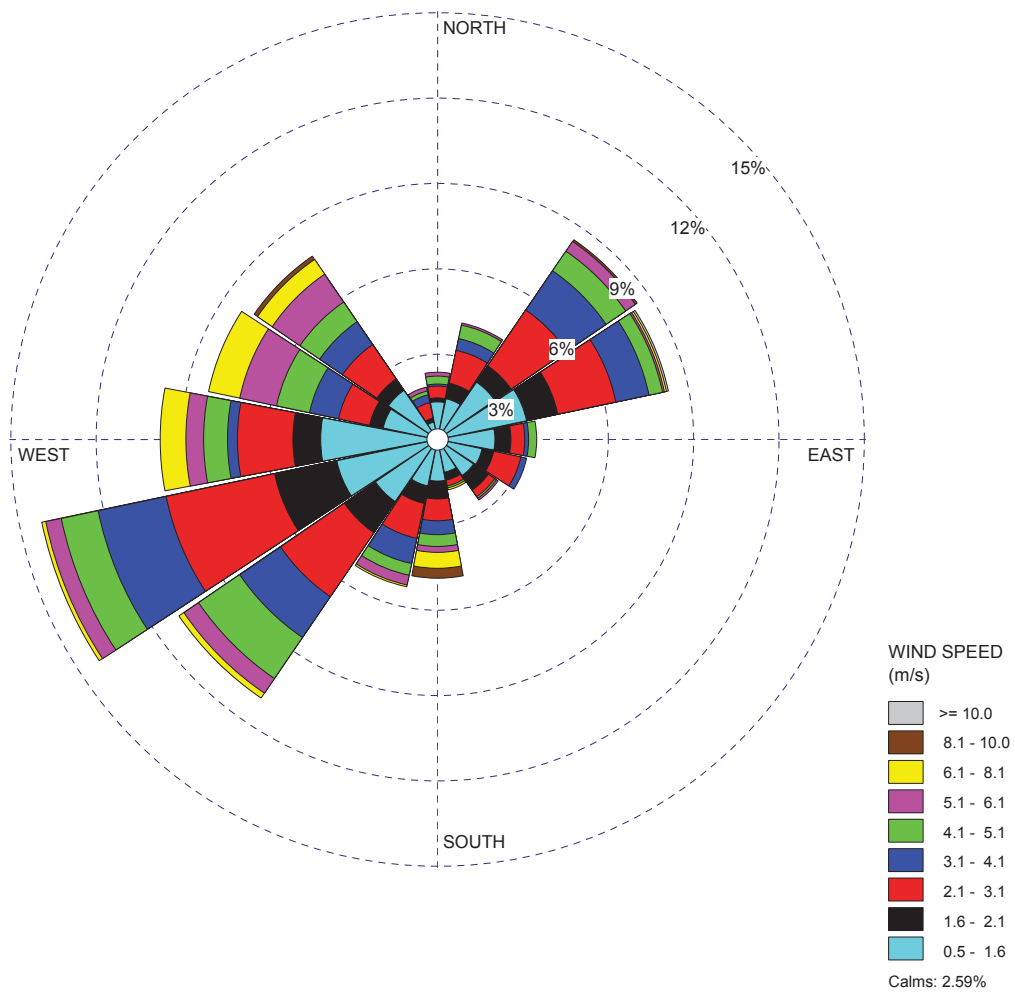
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-2. Wind Rose CRN Site 60-meter March (Sheet 3 of 12)

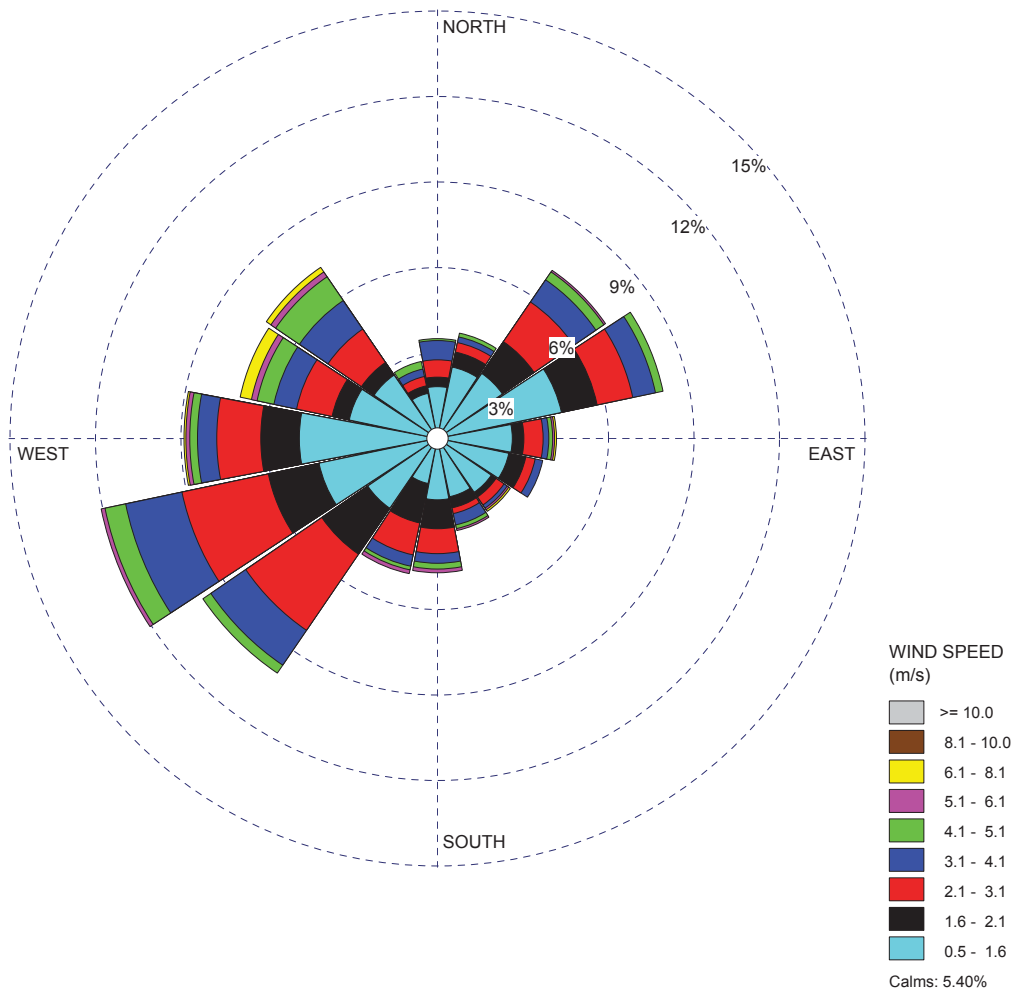
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-2. Wind Rose CRN Site 60-meter April (Sheet 4 of 12)

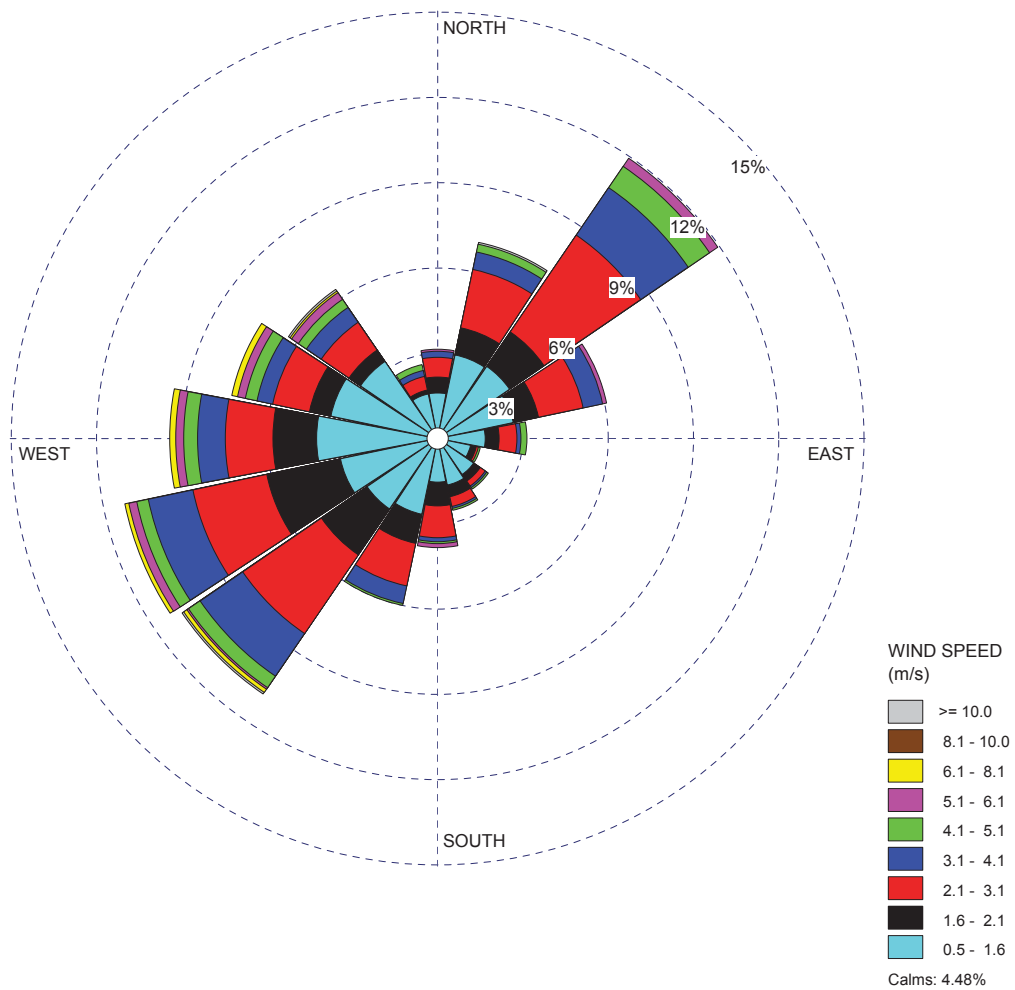
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-2. Wind Rose CRN Site 60-meter May (Sheet 5 of 12)

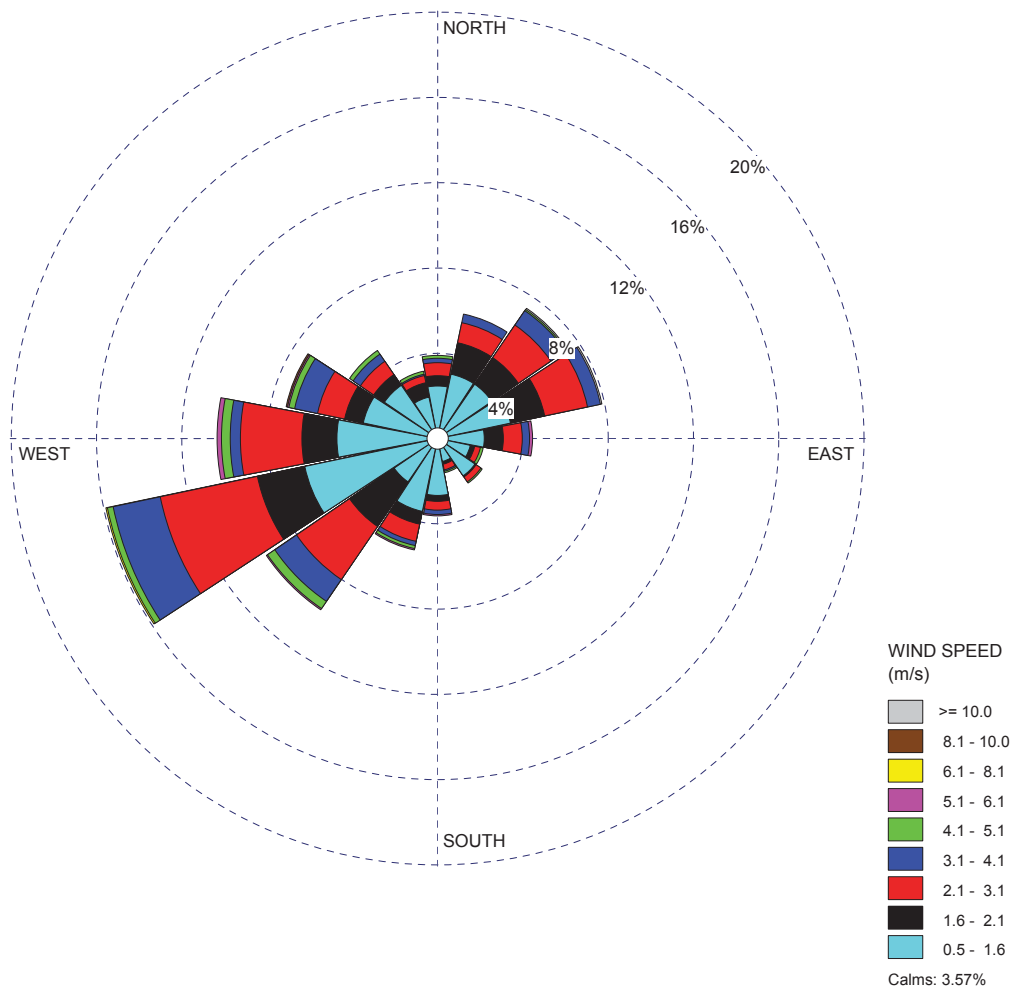
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-2. Wind Rose CRN Site 60-meter June (Sheet 6 of 12)

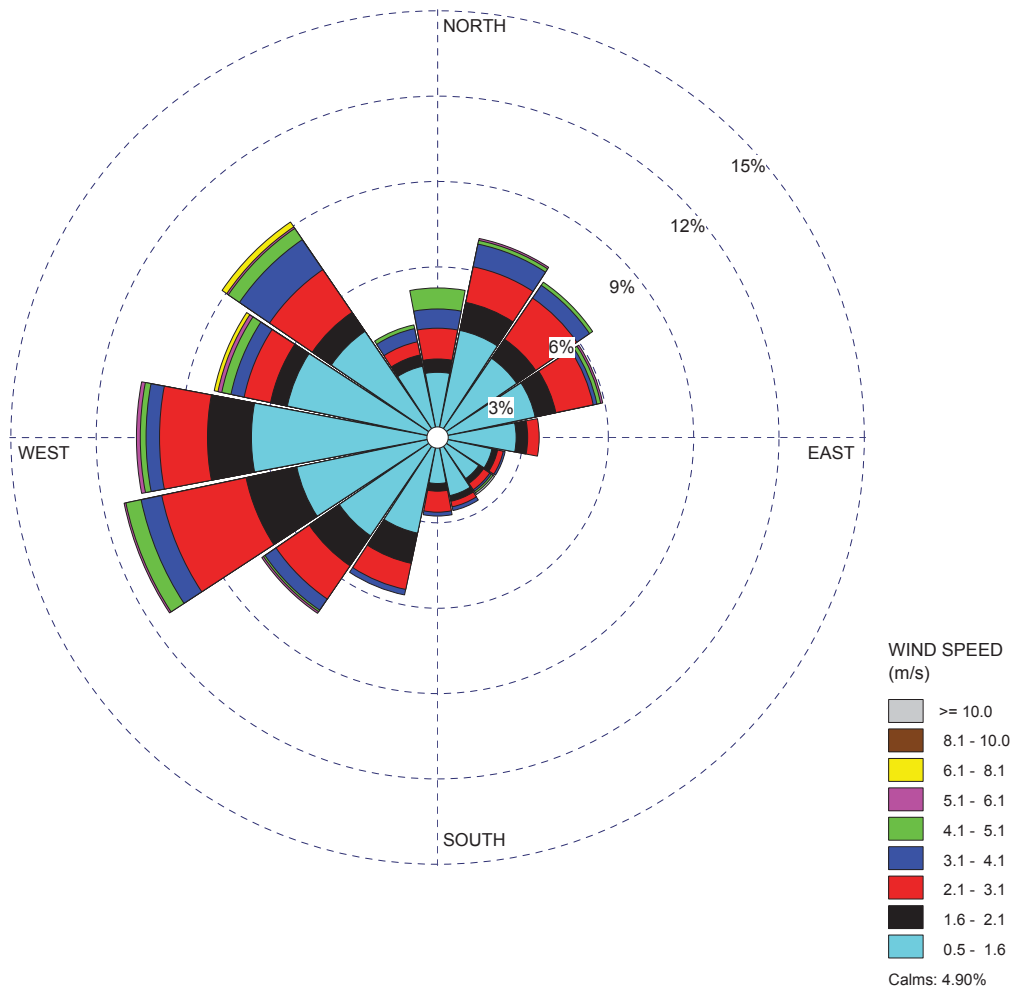
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-2. Wind Rose CRN Site 60-meter July (Sheet 7 of 12)

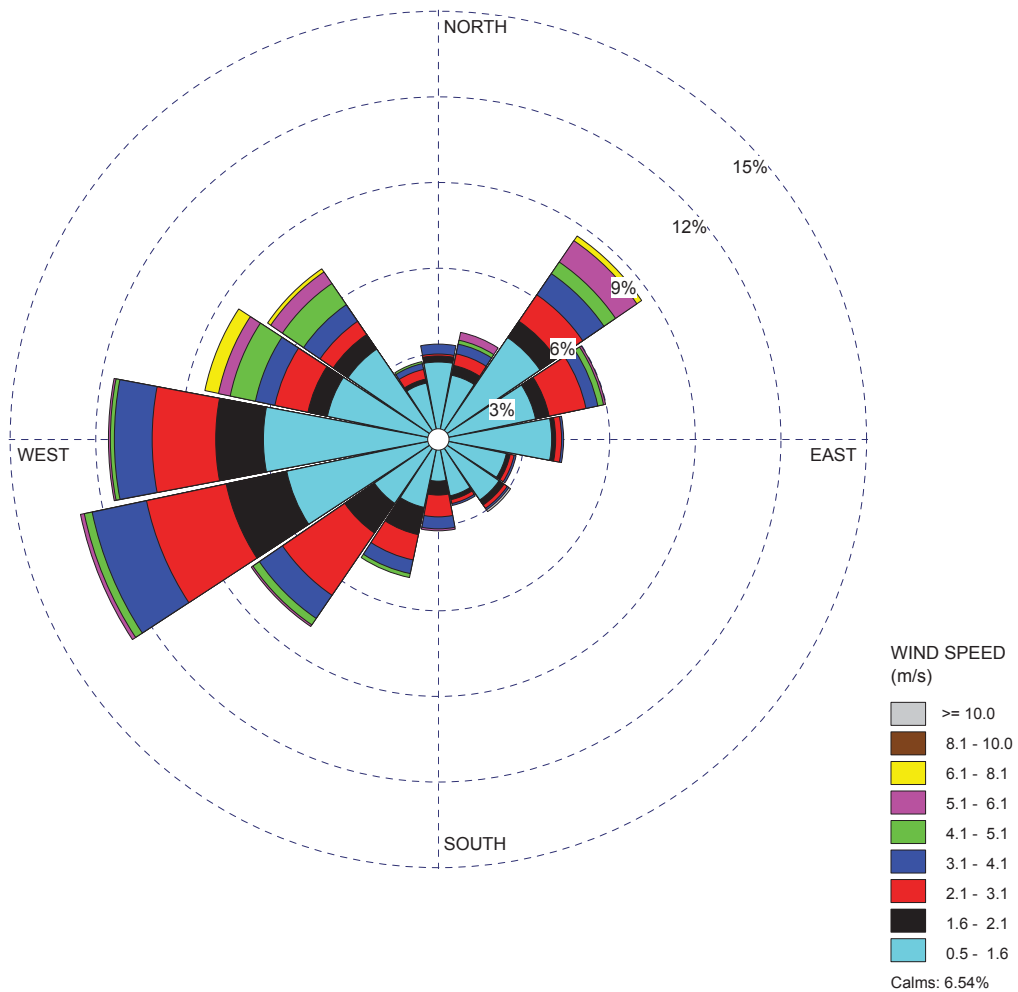
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-2. Wind Rose CRN Site 60-meter August (Sheet 8 of 12)

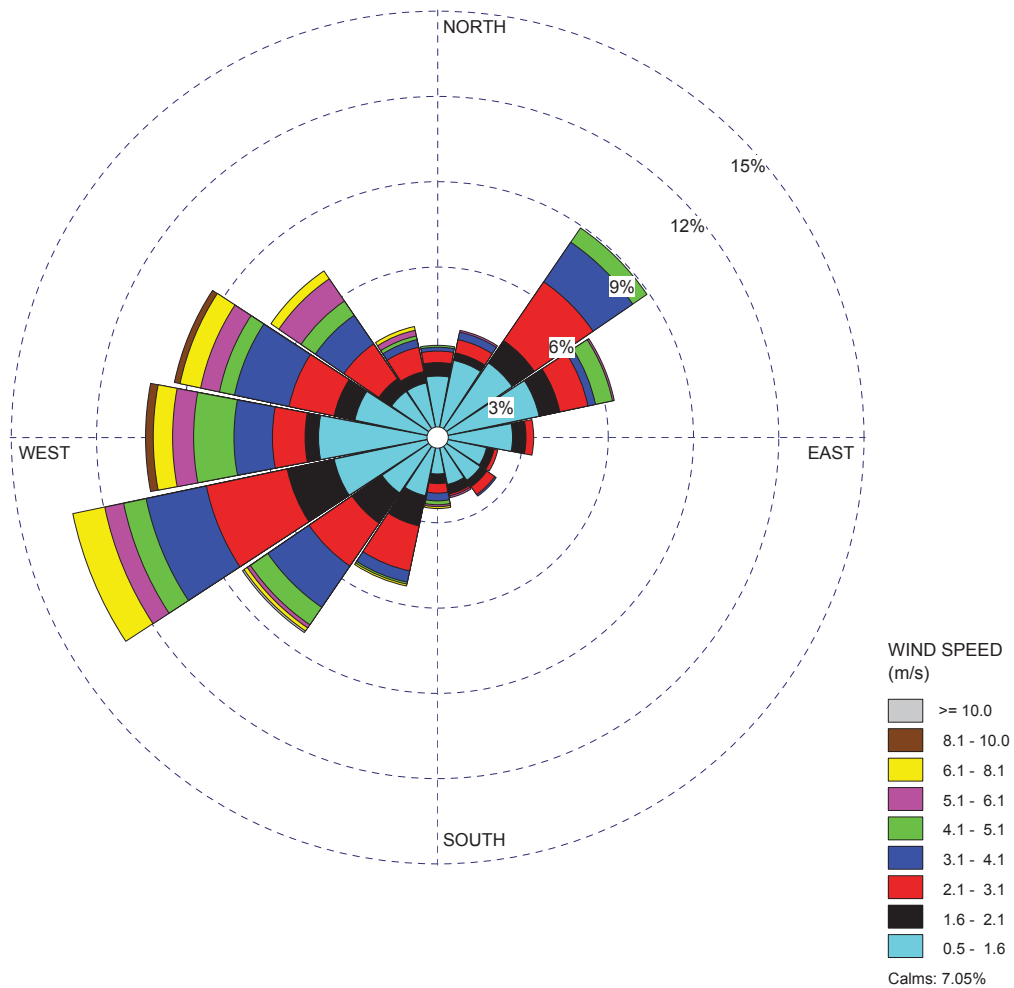
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-2. Wind Rose CRN Site 60-meter September (Sheet 9 of 12)

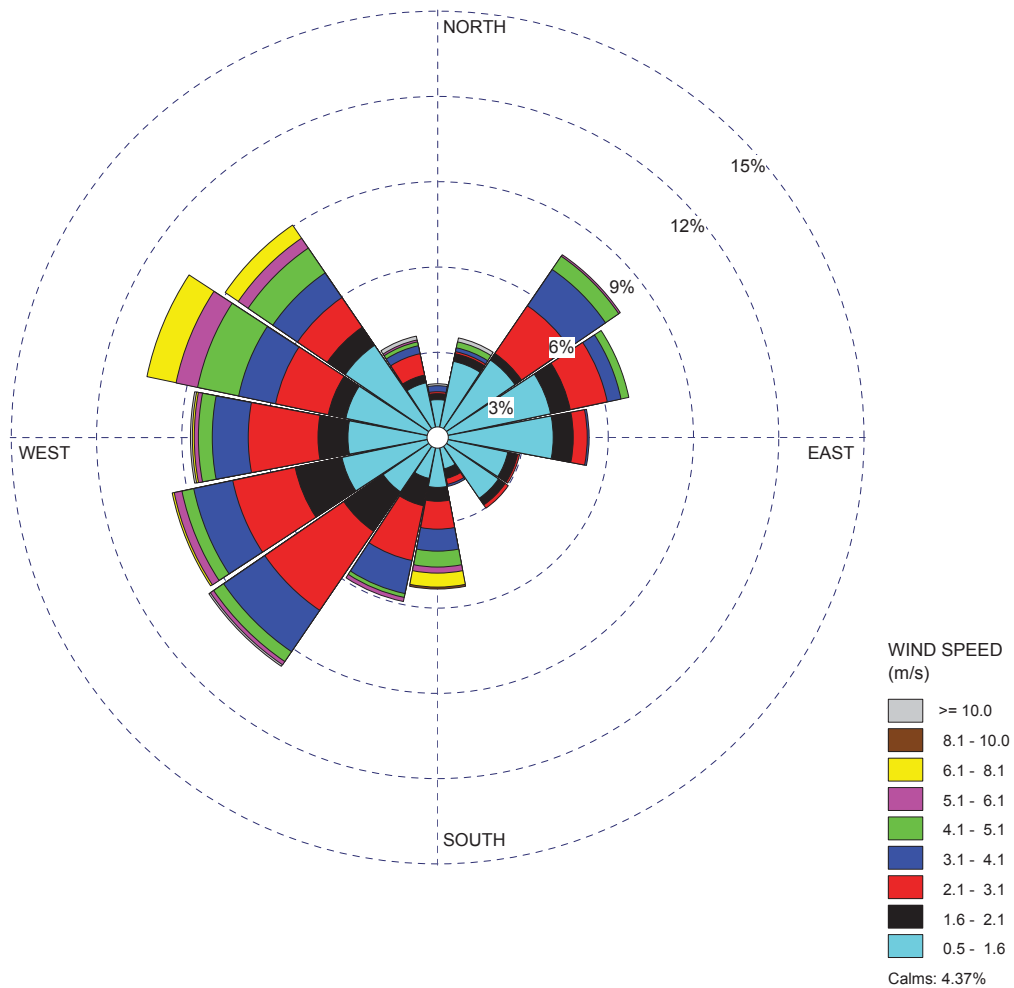
Clinch River Nuclear Site  
Early Site Permit Application  
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-2. Wind Rose CRN Site 60-meter October (Sheet 10 of 12)

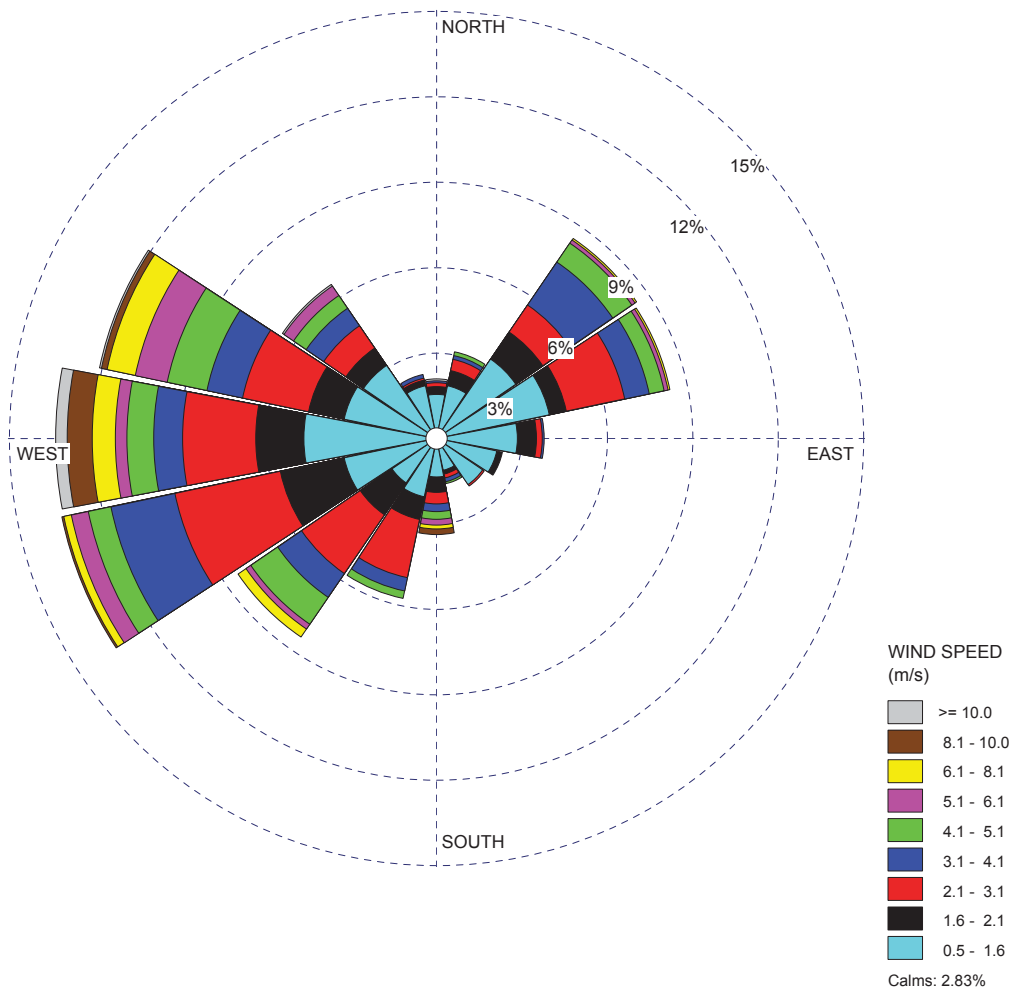
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-2. Wind Rose CRN Site 60-meter November (Sheet 11 of 12)

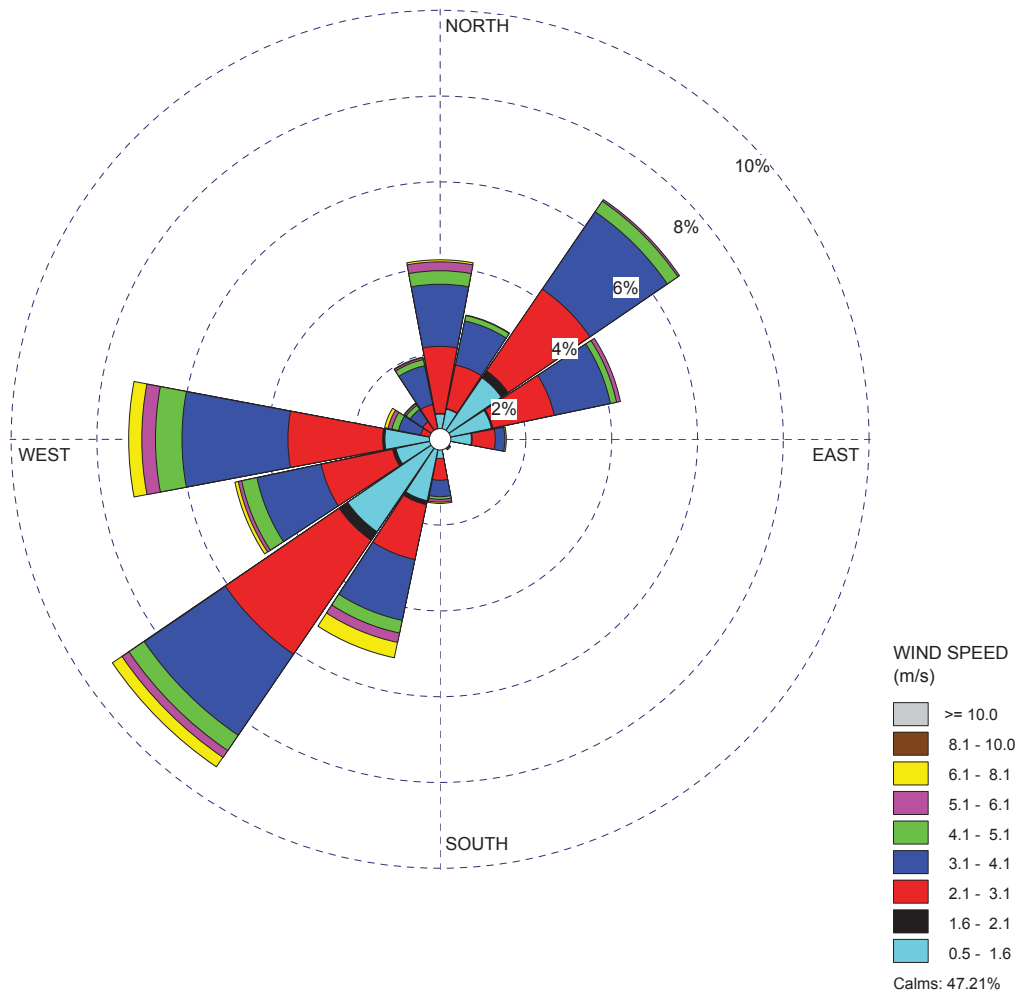
Clinch River Nuclear Site  
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-2. Wind Rose CRN Site 60-meter December (Sheet 12 of 12)

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Sampling Period: 2000 to 2009

Figure 2.7.4-3. Wind Rose Oak Ridge NWS 10 Years January (Sheet 1 of 12)

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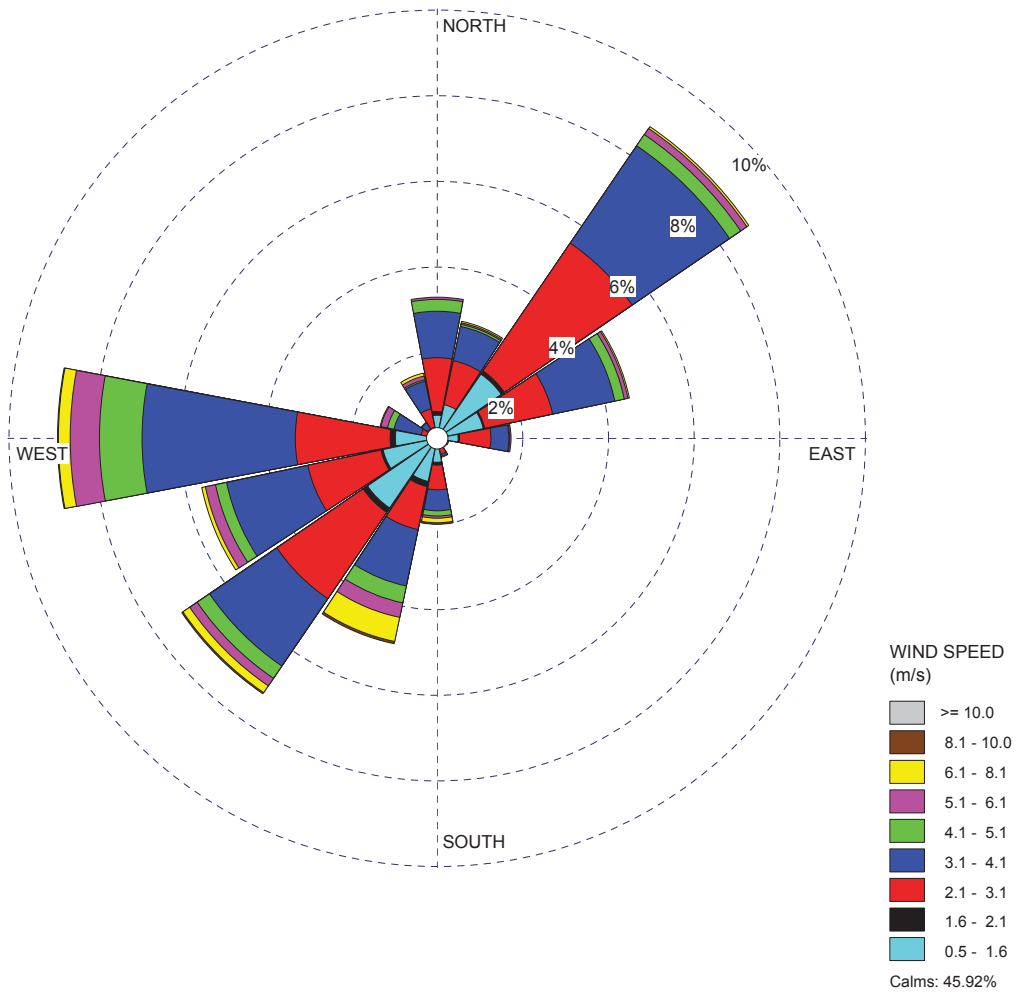
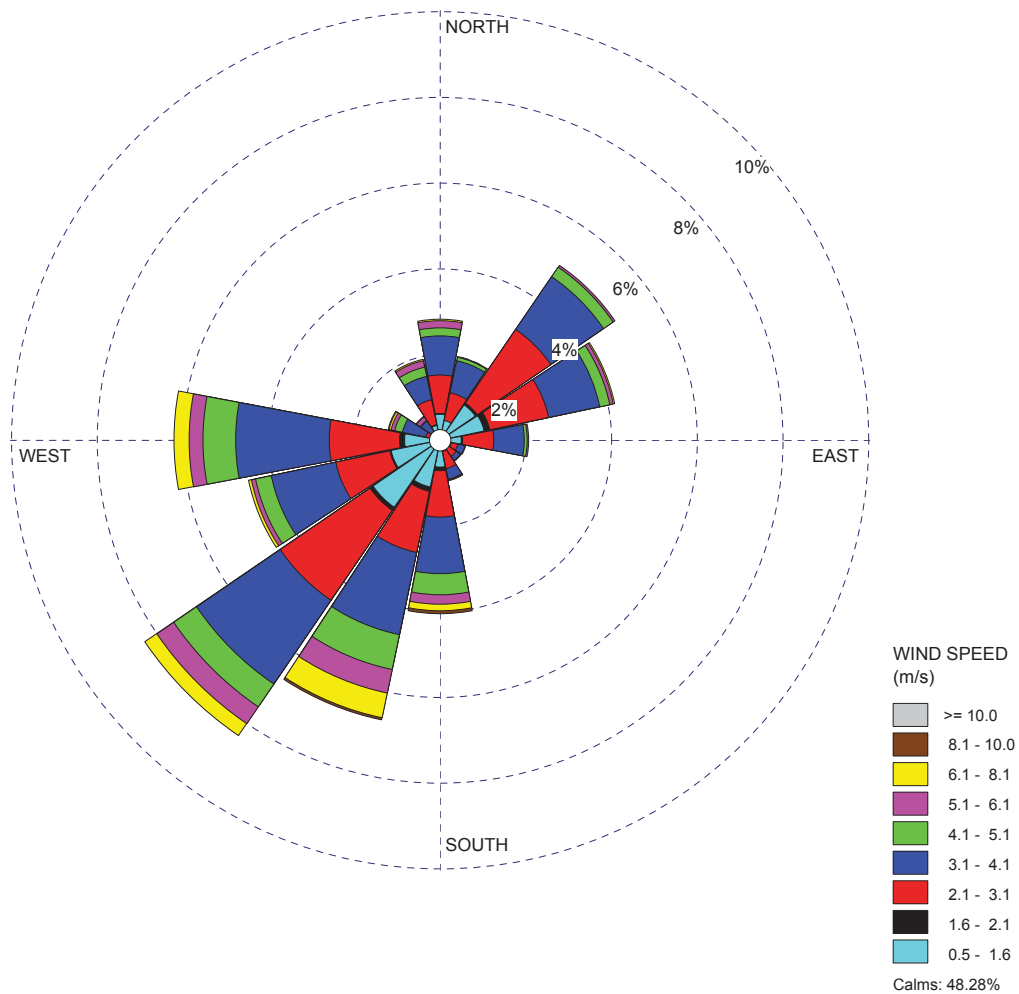


Figure 2.7.4-3. Wind Rose Oak Ridge NWS 10 Years February (Sheet 2 of 12)



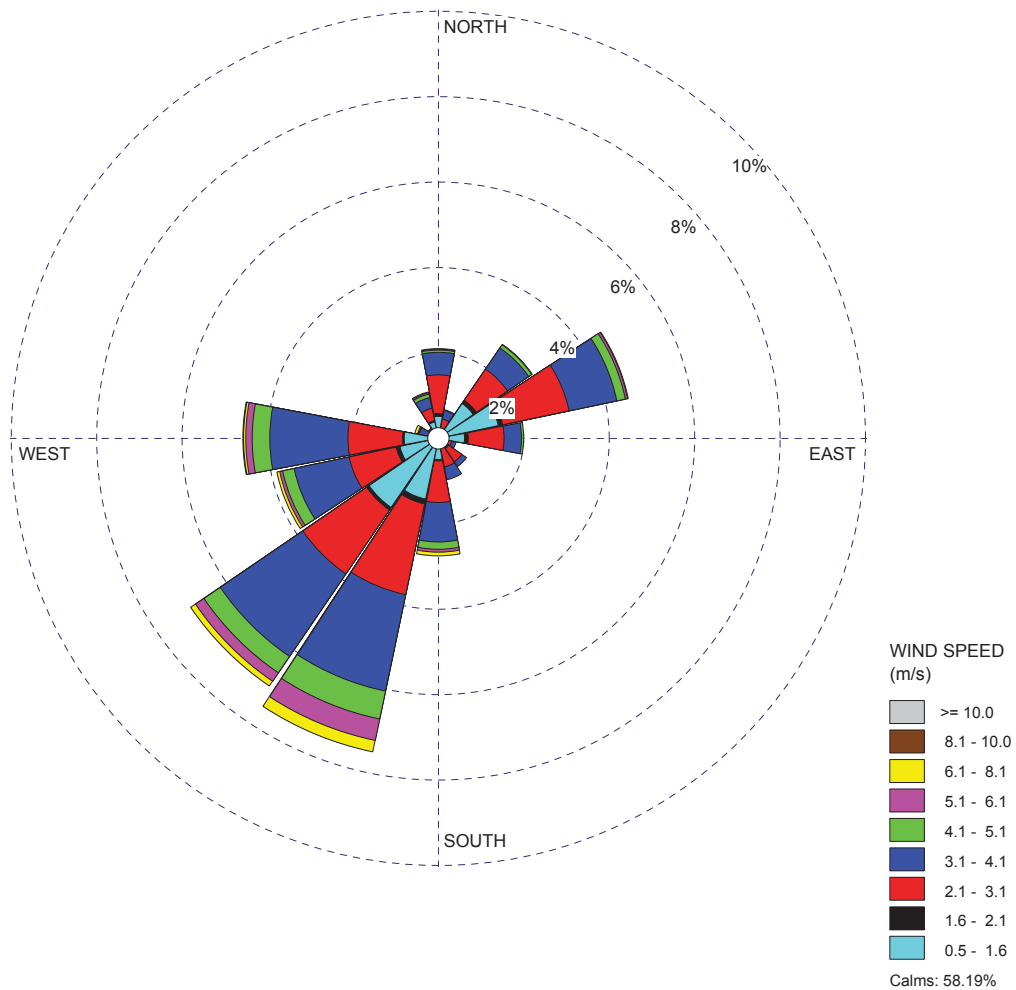
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Sampling Period: 2000 to 2009

Figure 2.7.4-3. Wind Rose Oak Ridge NWS 10 Years April (Sheet 4 of 12)

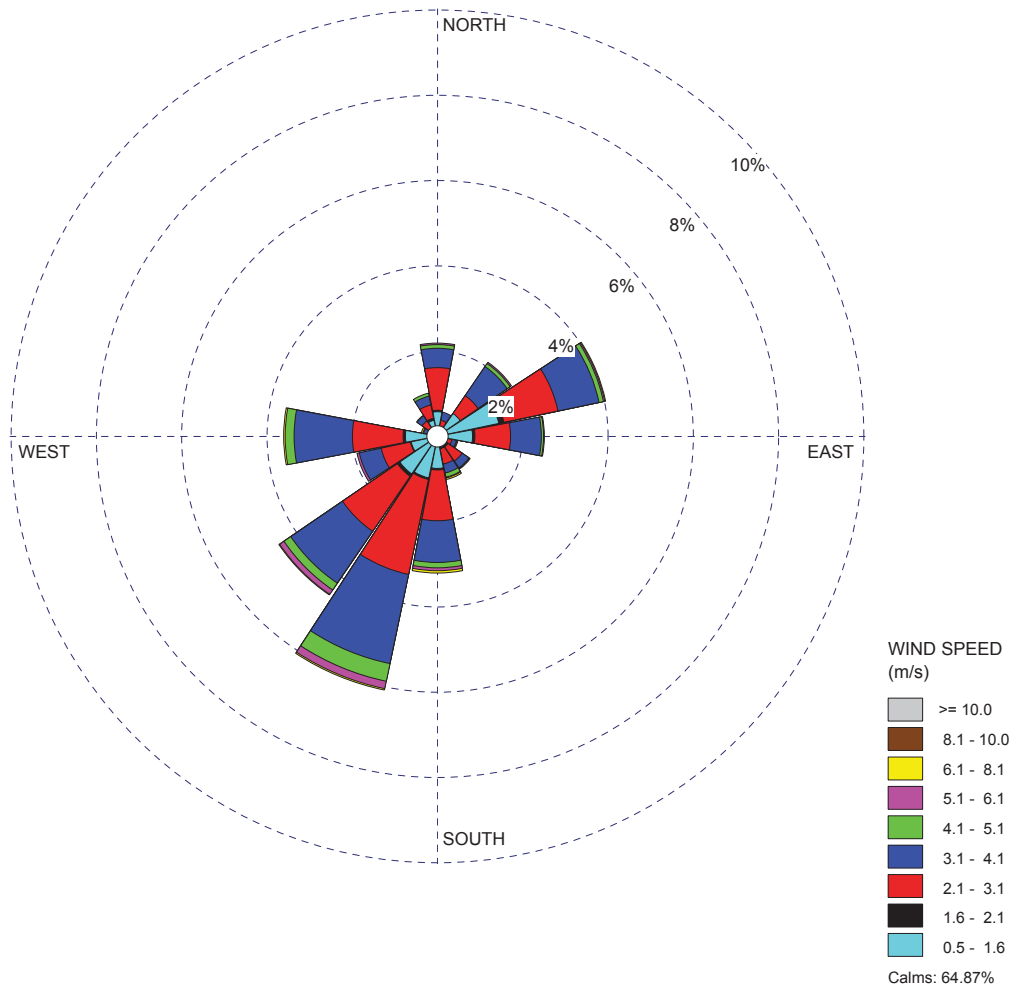
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Sampling Period: 2000 to 2009

Figure 2.7.4-3. Wind Rose Oak Ridge NWS 10 Years May (Sheet 5 of 12)

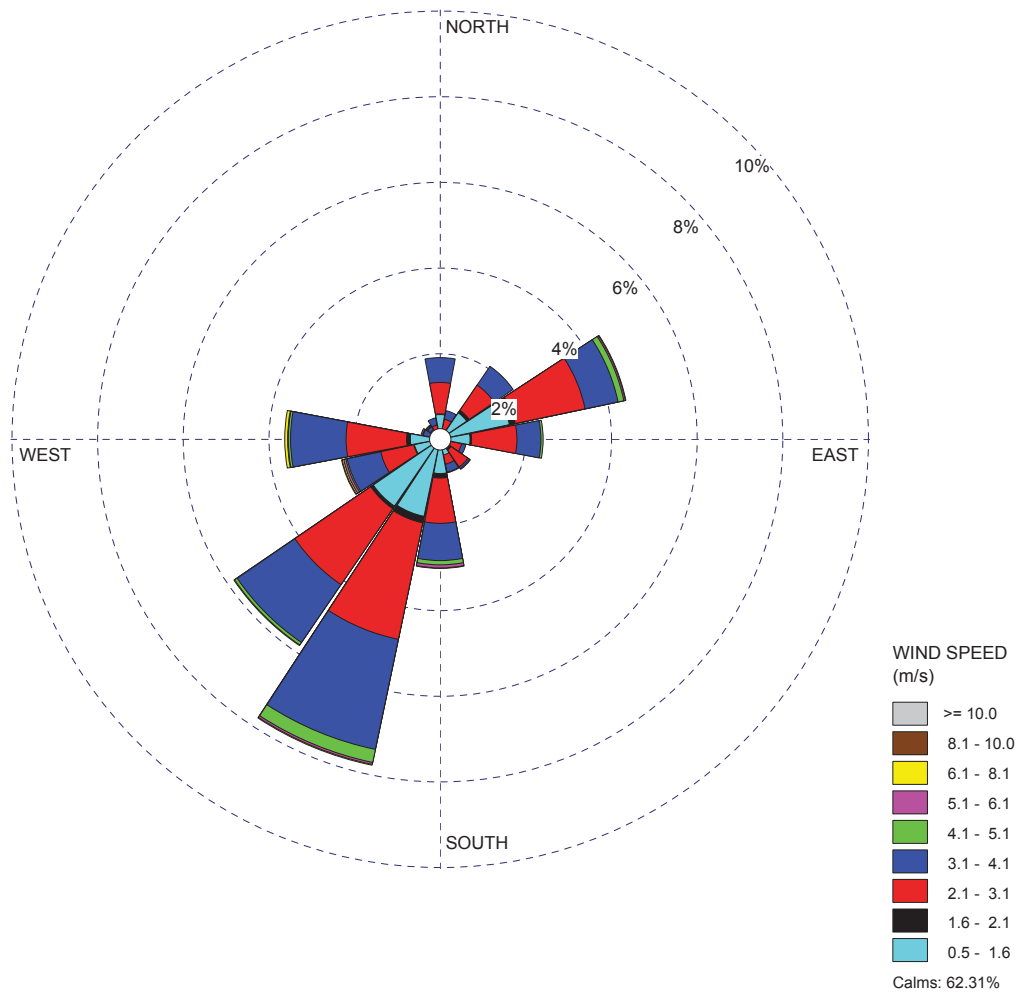
Clinch River Nuclear Site  
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Sampling Period: 2000 to 2009

Figure 2.7.4-3. Wind Rose Oak Ridge NWS 10 Years June (Sheet 6 of 12)

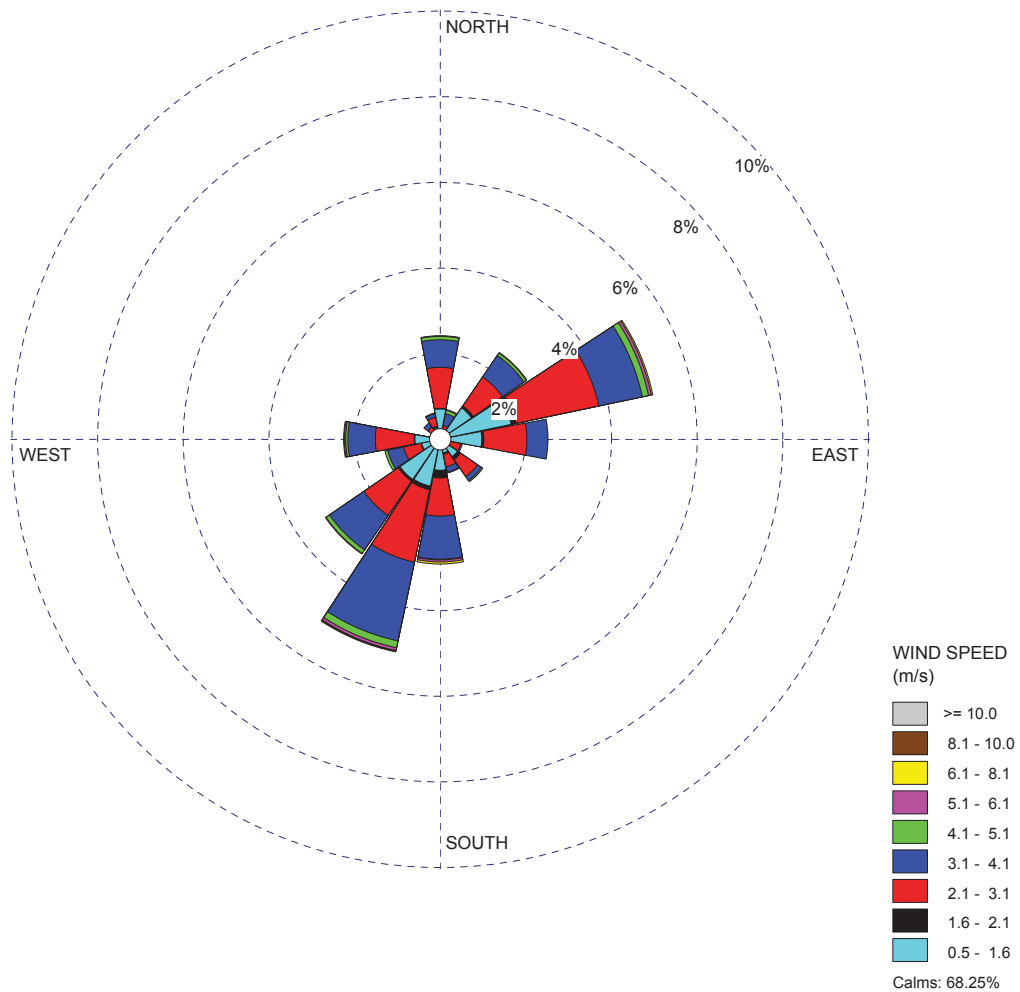
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Sampling Period: 2000 to 2009

Figure 2.7.4-3. Wind Rose Oak Ridge NWS 10 Years July (Sheet 7 of 12)

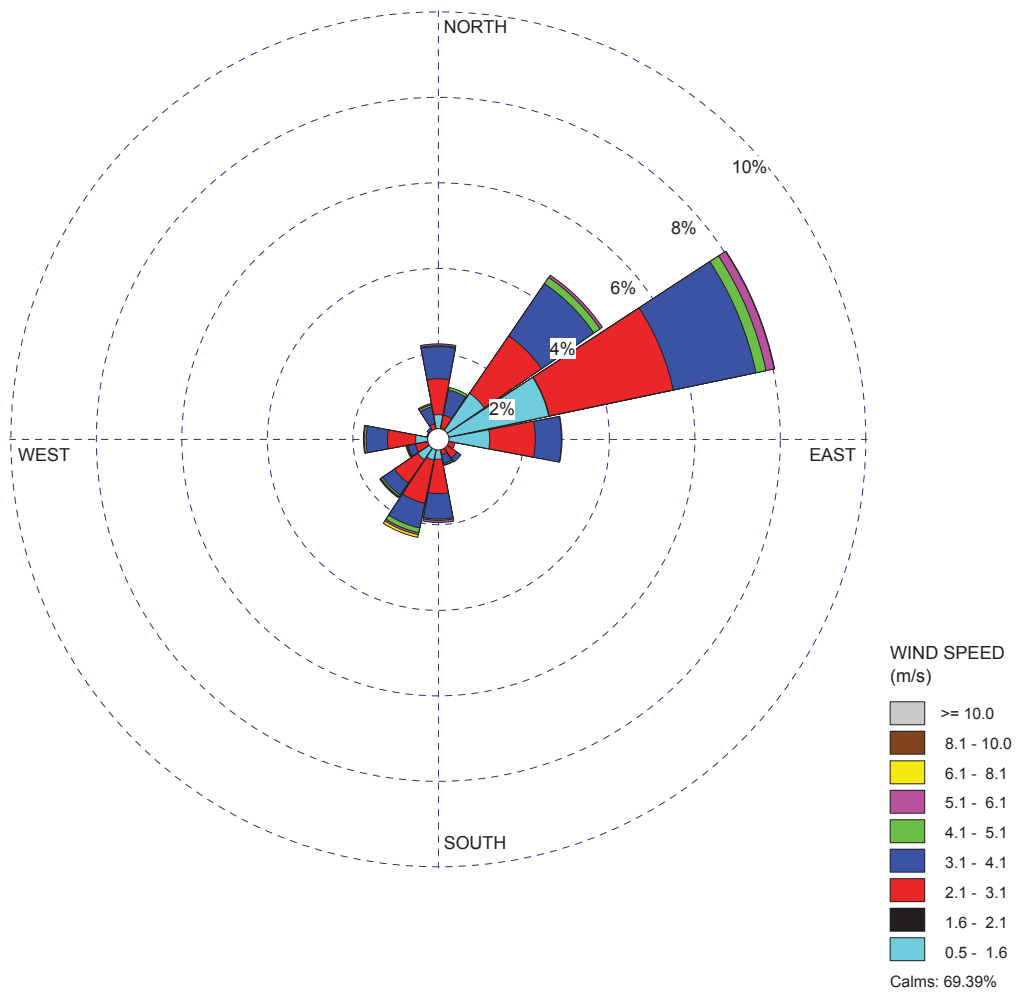
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Sampling Period: 2000 to 2009

Figure 2.7.4-3. Wind Rose Oak Ridge NWS 10 Years August (Sheet 8 of 12)

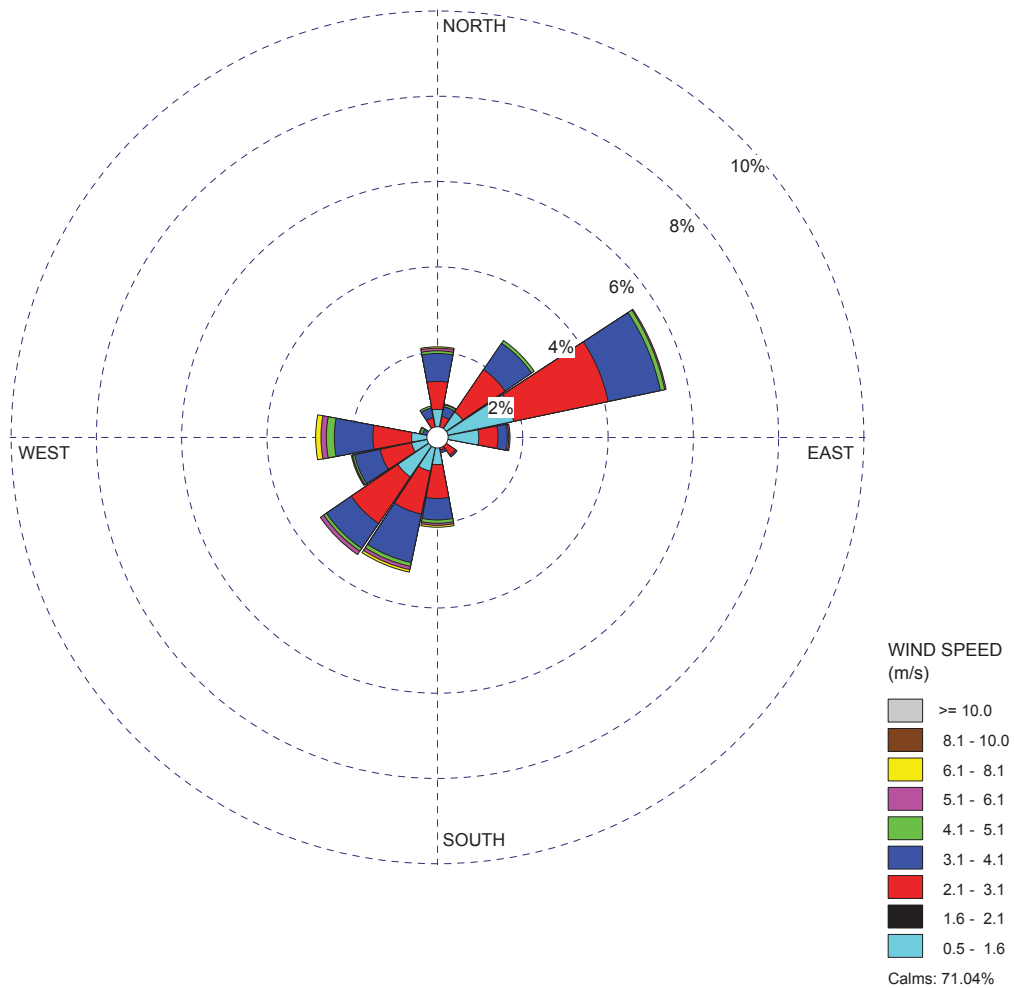
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Sampling Period: 2000 to 2009

Figure 2.7.4-3. Wind Rose Oak Ridge NWS 10 Years September (Sheet 9 of 12)

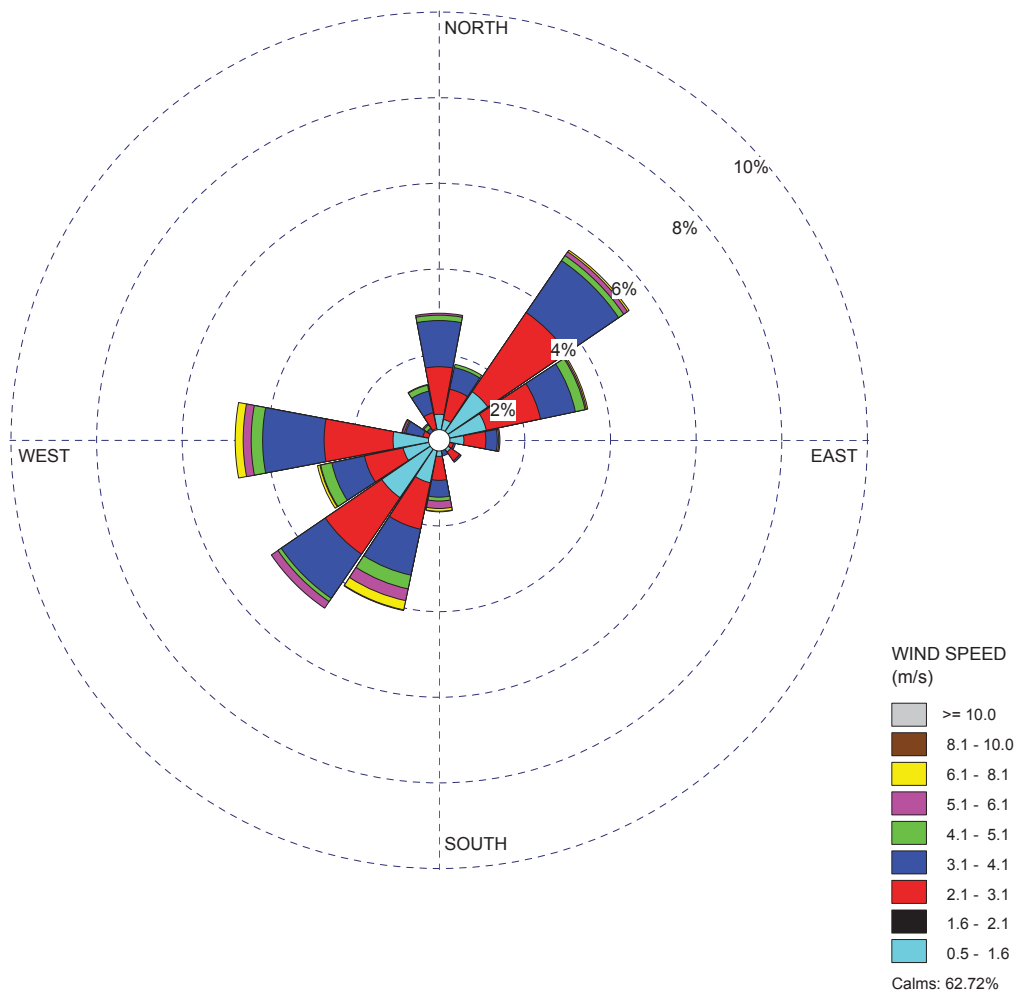
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Sampling Period: 2000 to 2009

Figure 2.7.4-3. Wind Rose Oak Ridge NWS 10 Years October (Sheet 10 of 12)

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Sampling Period: 2000 to 2009

Figure 2.7.4-3. Wind Rose Oak Ridge NWS 10 Years November (Sheet 11 of 12)

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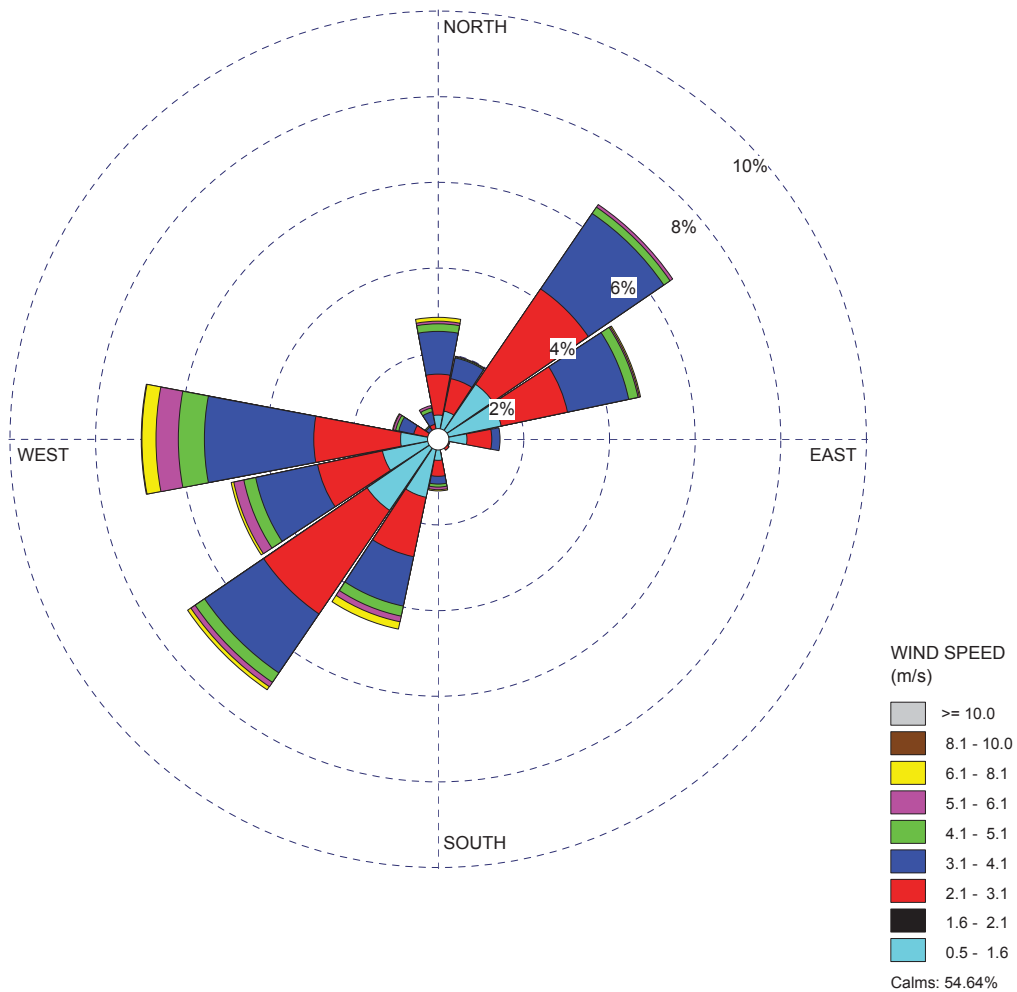


Figure 2.7.4-3. Wind Rose Oak Ridge NWS 10 Years December (Sheet 12 of 12)

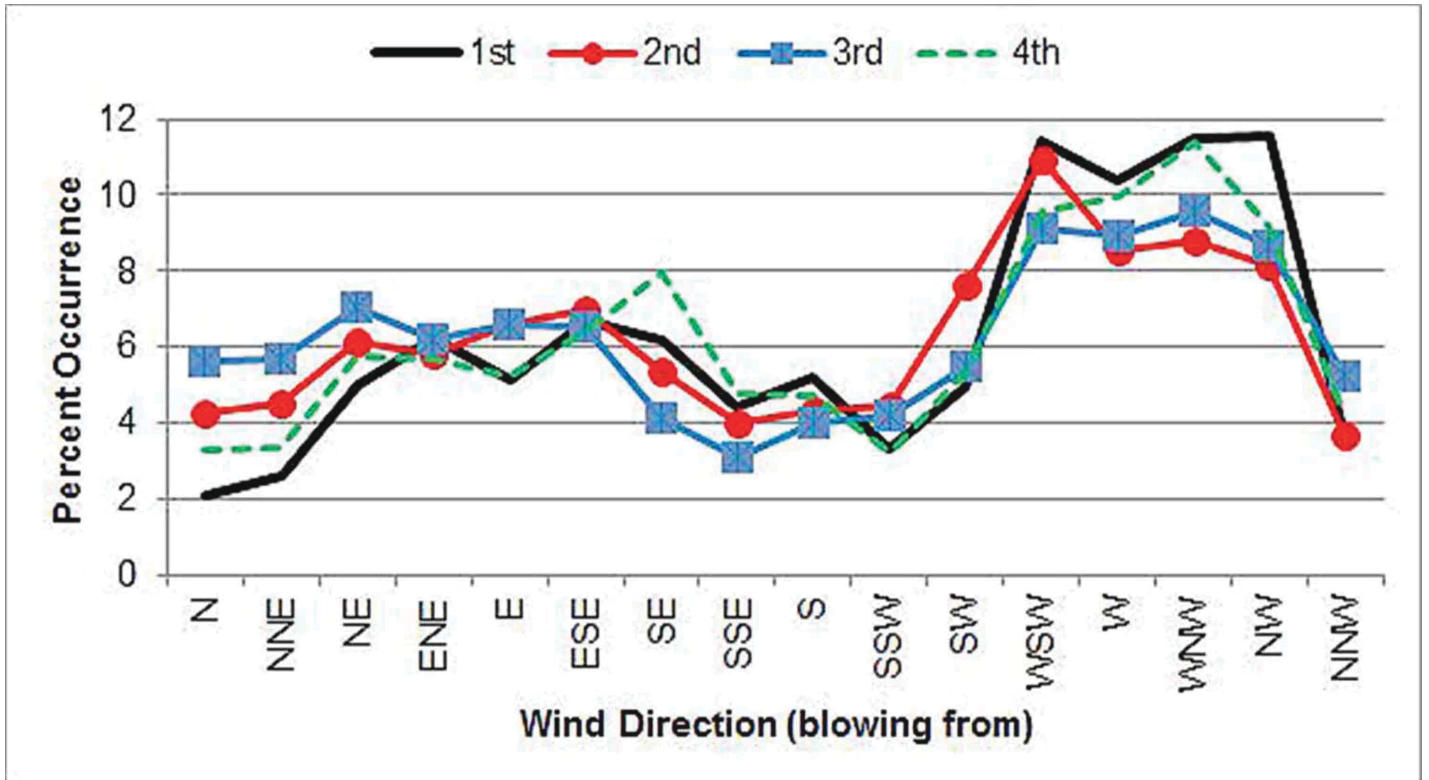
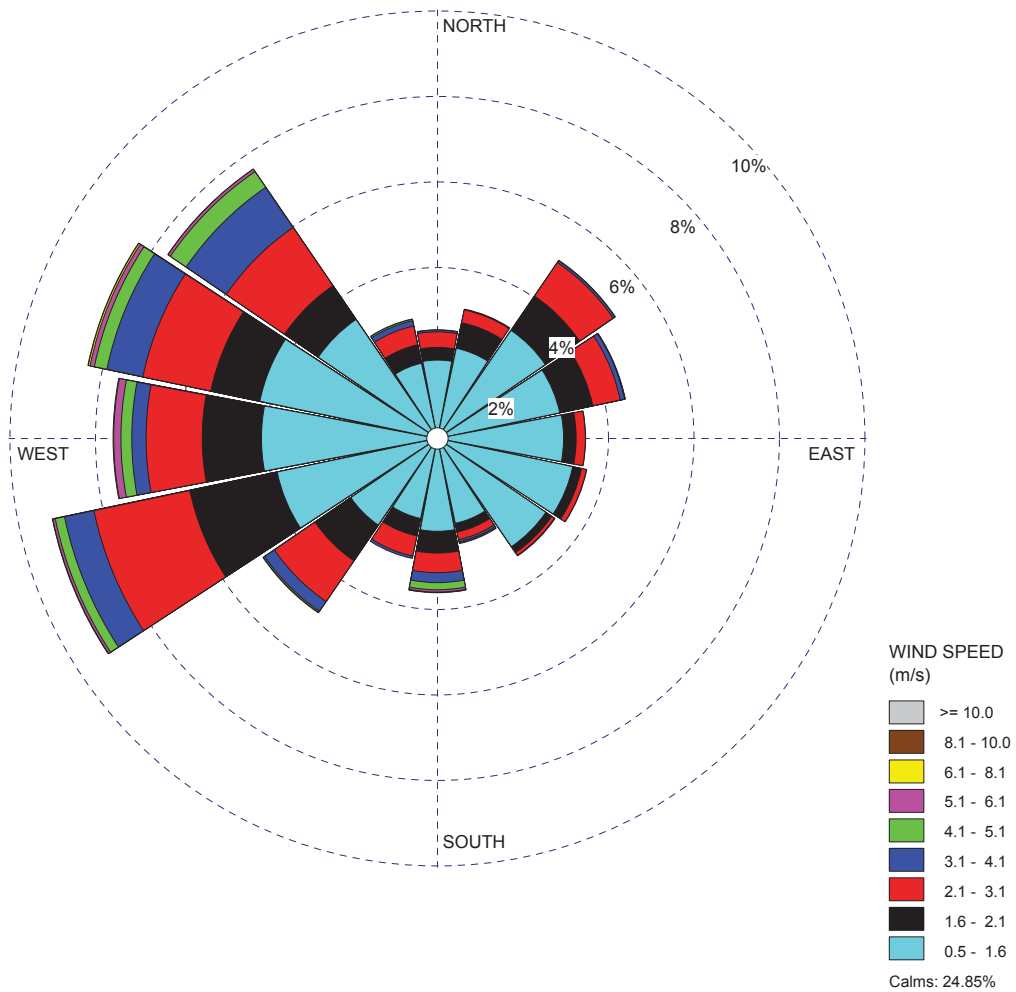


Figure 2.7.4-4. Clinch River Property Average 10-Meter Wind Direction (by Quarter)

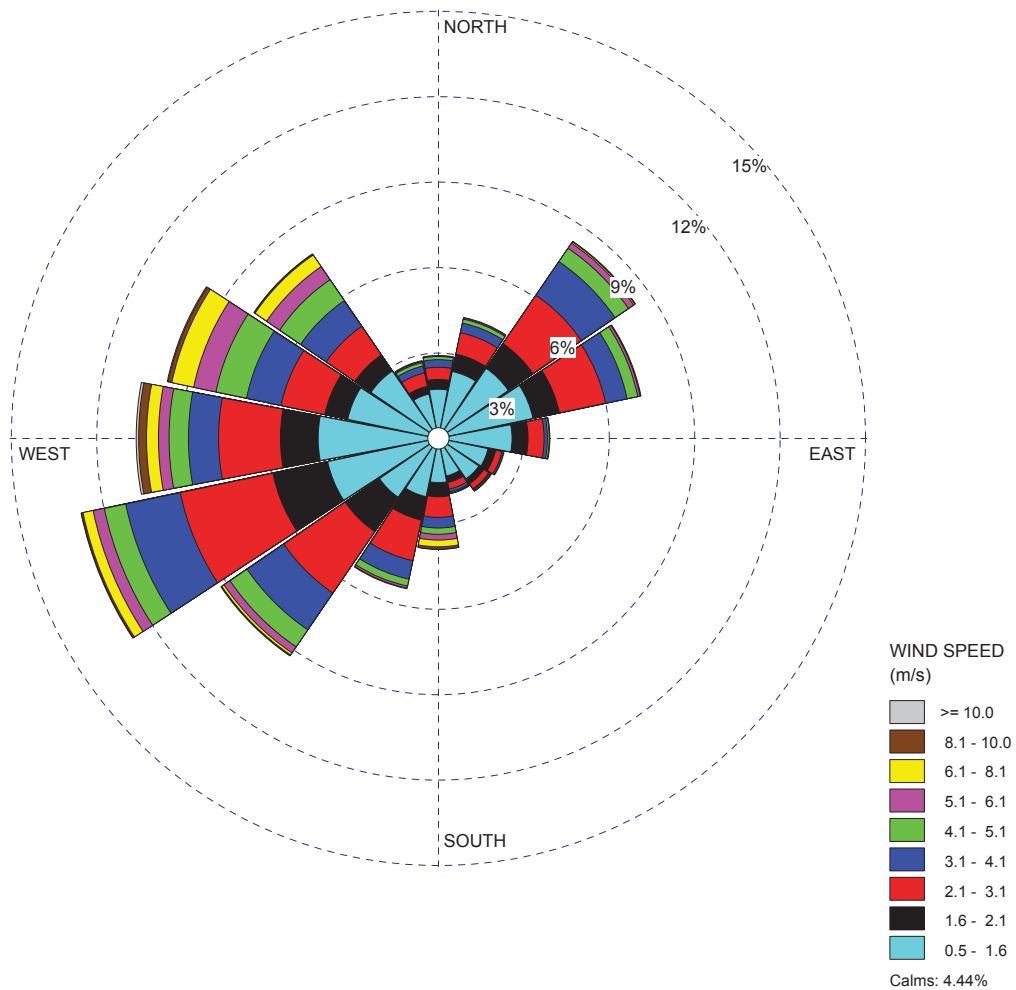
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Sampling Period: April 21, 2011 to June 30, 2013

Figure 2.7.4-5. Wind Rose CRN Site 10-Meter All Data

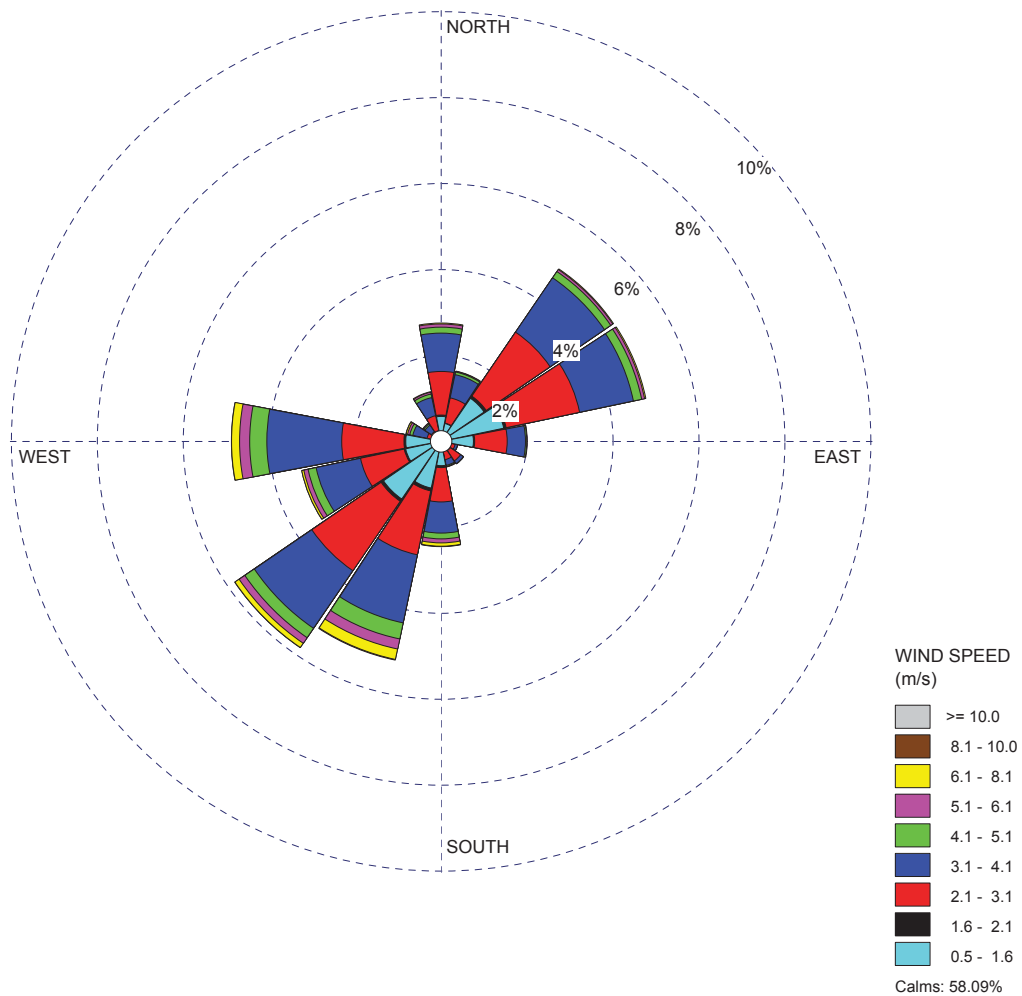
Clinch River Nuclear Site  
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Sampling Period: April 21, 2011 to June 30, 2013

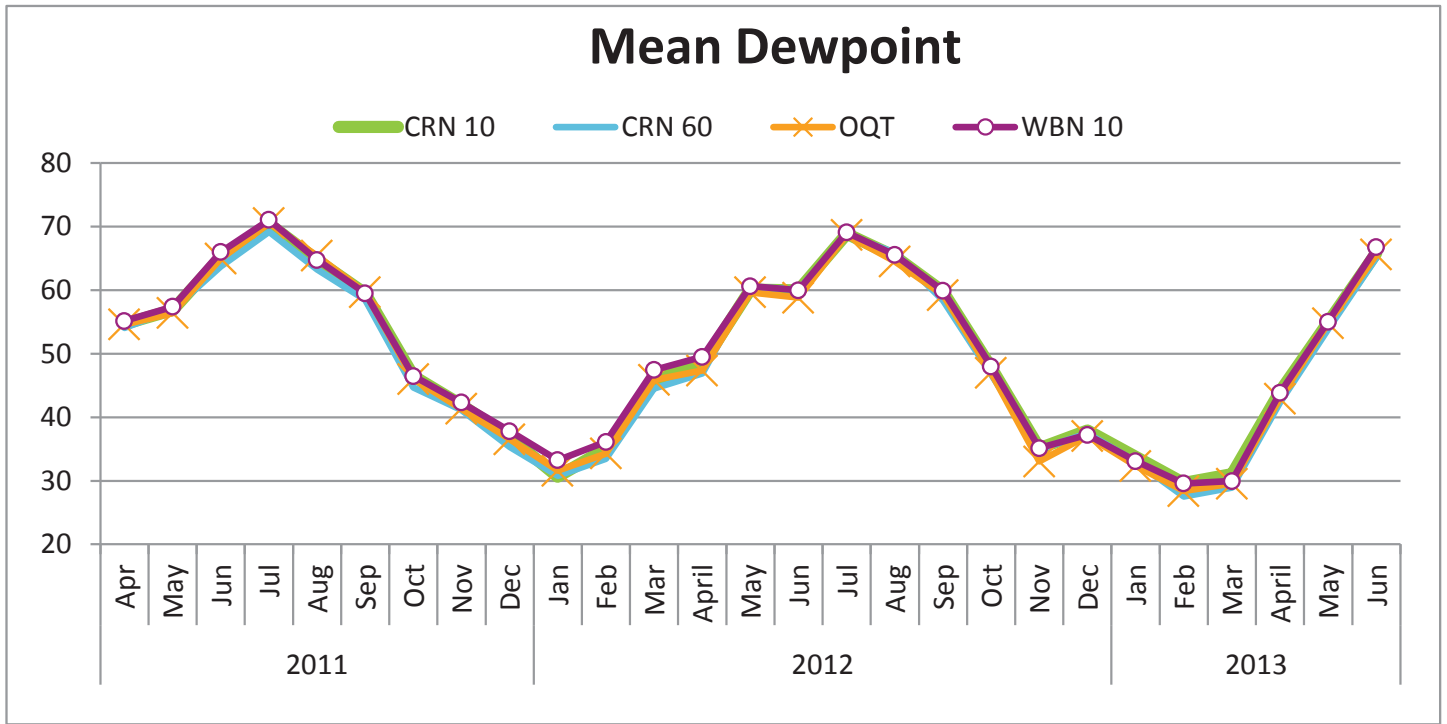
Figure 2.7.4-6. Wind Rose CRN Site 60-Meter All Data

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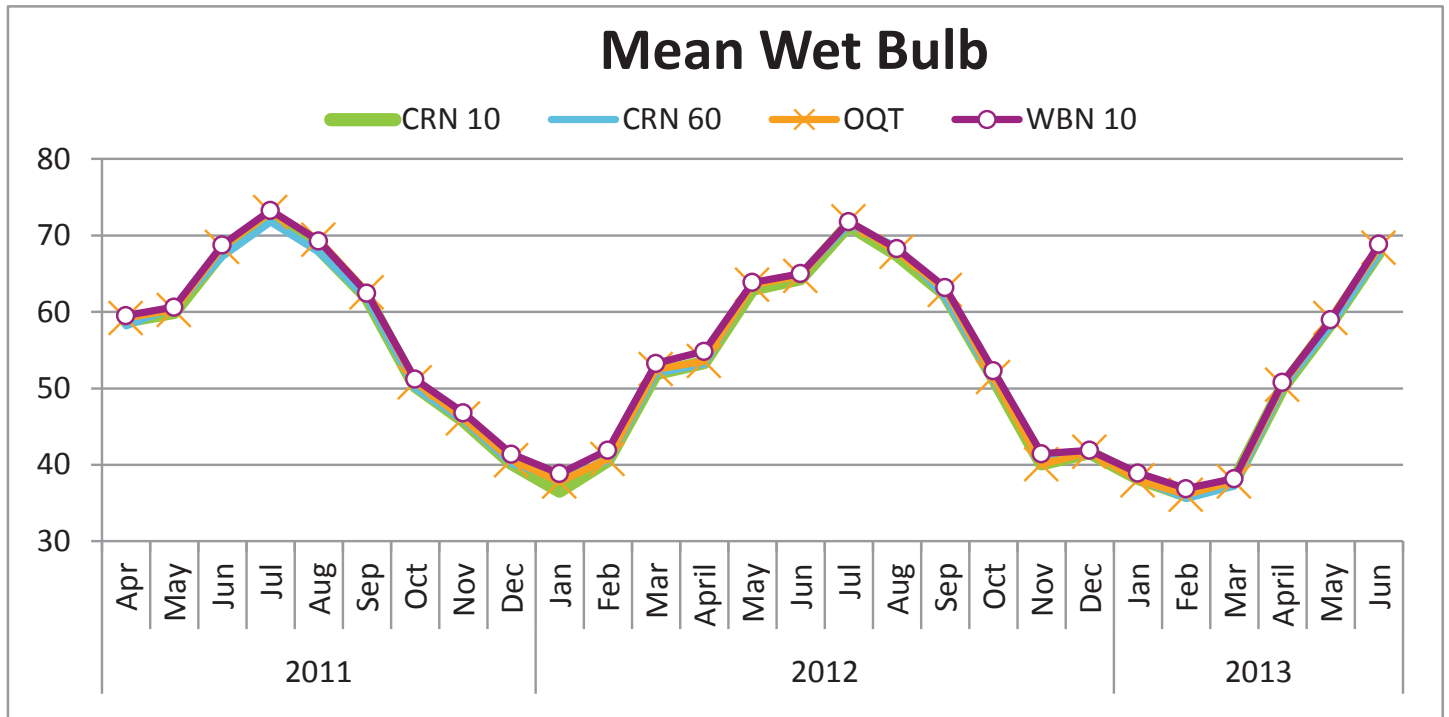
Sampling Period: 2000 to 2009

Figure 2.7.4-7. Wind Rose Oak Ridge NWS 10 Years All Data



Note:  
CRN 10 = CRN Site 10-meter data  
CRN 60 = CRN Site 60-meter  
OQT = Oak Ridge NWS  
WBN = Watts Bar Nuclear Site

Figure 2.7.4-8. Concurrent Mean Dew Point Temperatures (Fahrenheit)



Note:  
CRN 10 = CRN Site 10-meter data  
CRN 60 = CRN Site 60-meter  
OQT = Oak Ridge NWS  
WBN = Watts Bar Nuclear Site

**Figure 2.7.4-9. Concurrent Mean Wet Bulb Temperatures (Fahrenheit)**

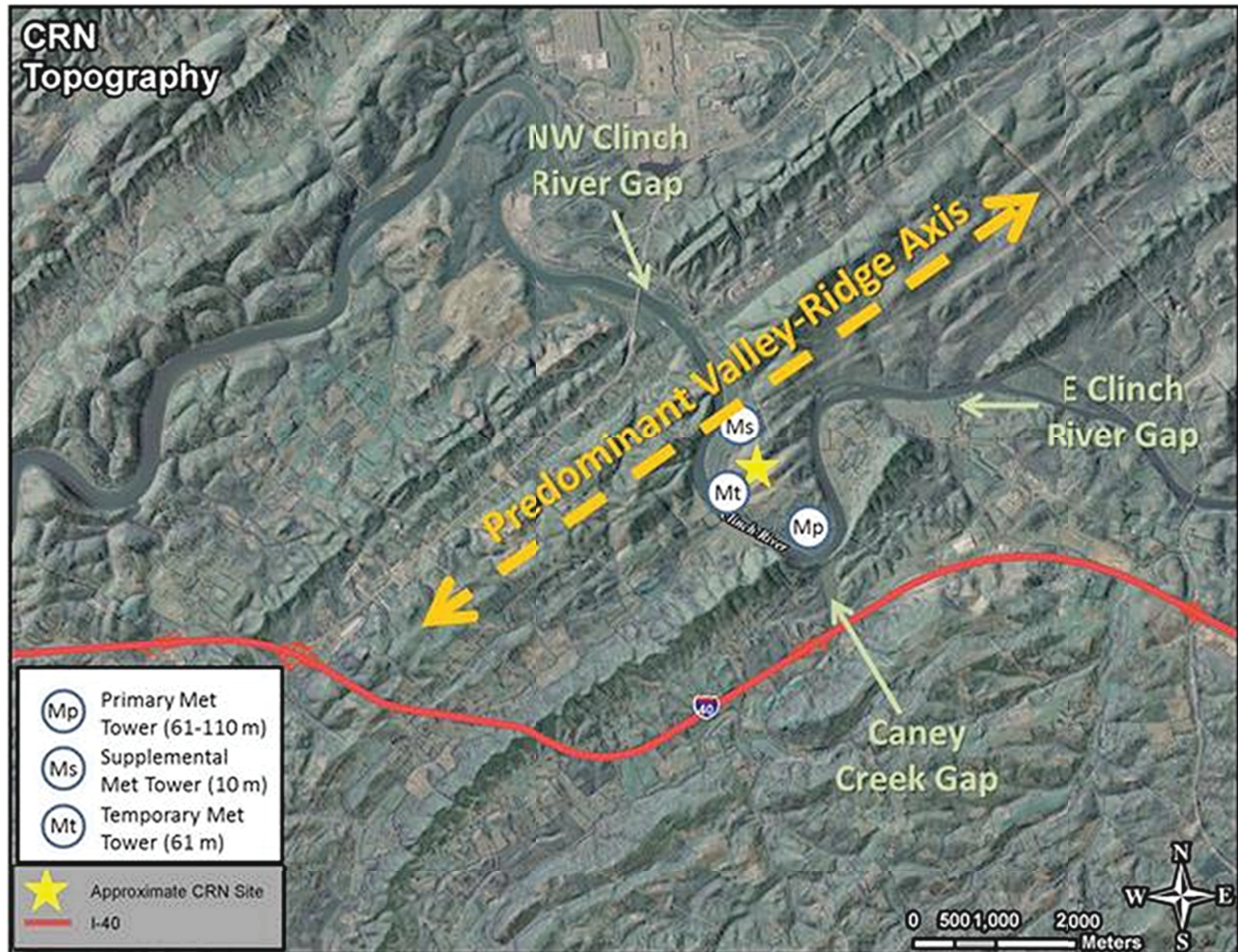
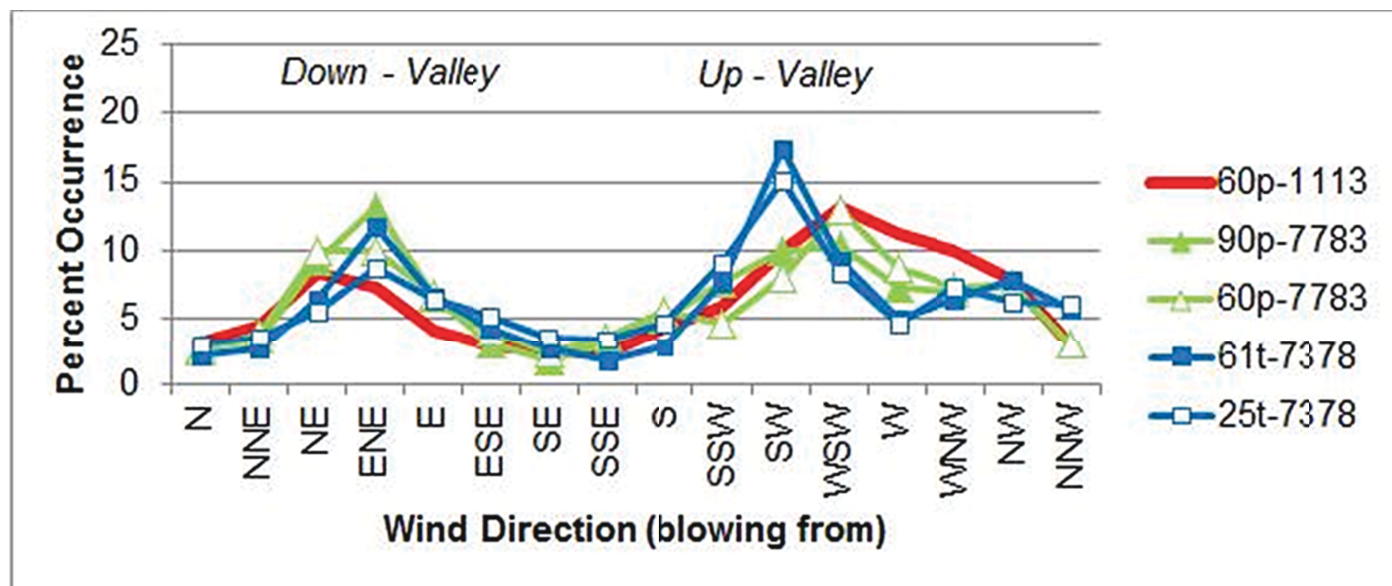


Figure 2.7.4-10. Topography in the Vicinity of the CRN Site



**Primary Tower (Mp):**

60p-1113 = 60 m (4/21/2011-6/30/2013)

90p-7783 = 90 m (2/16/1977-11/4/1983)

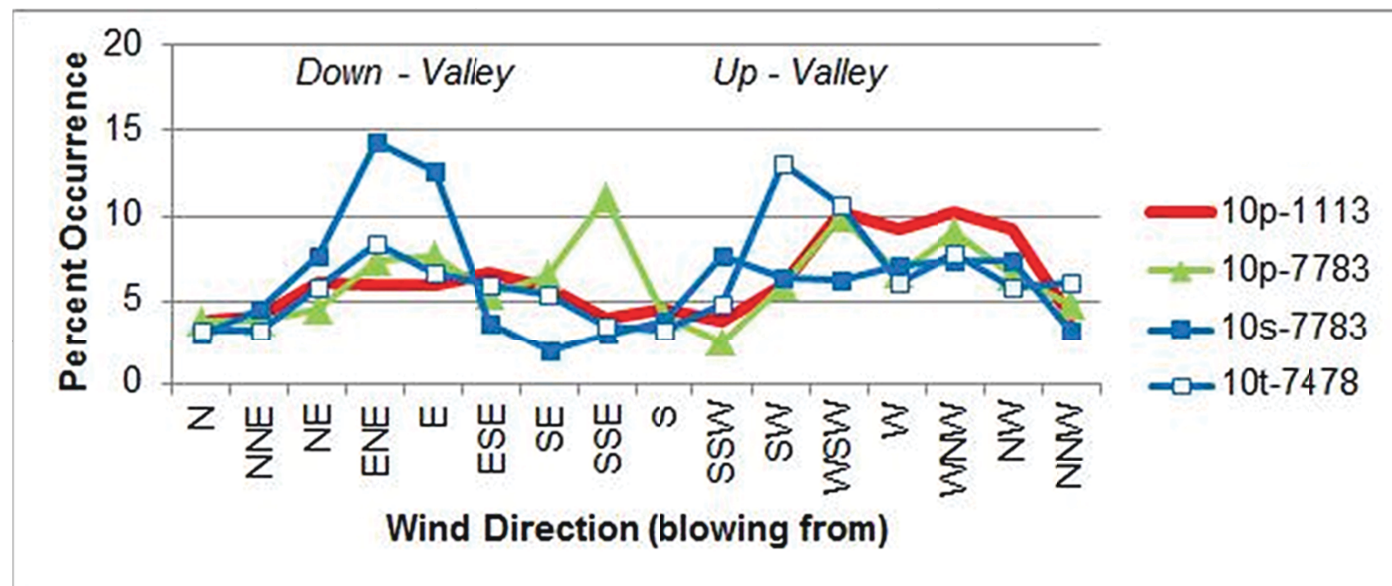
60p-7783 = 60 m (2/16/1977-11/4/1983)

**Temporary Tower (Mt):**

61t-7378 = 61 m (4/11/1973-3/2/1978)

25t-7378 = 25 m (4/11/1973-3/2/1978)

**Frequency of Elevated Wind Directions**



**Primary Tower (Mp):**

10p-1113 = 10 m (4/21/2011-6/30/2013)

10p-7783 = 10 m (2/16/1977-11/4/1983)

**Supplemental Tower (Ms):**

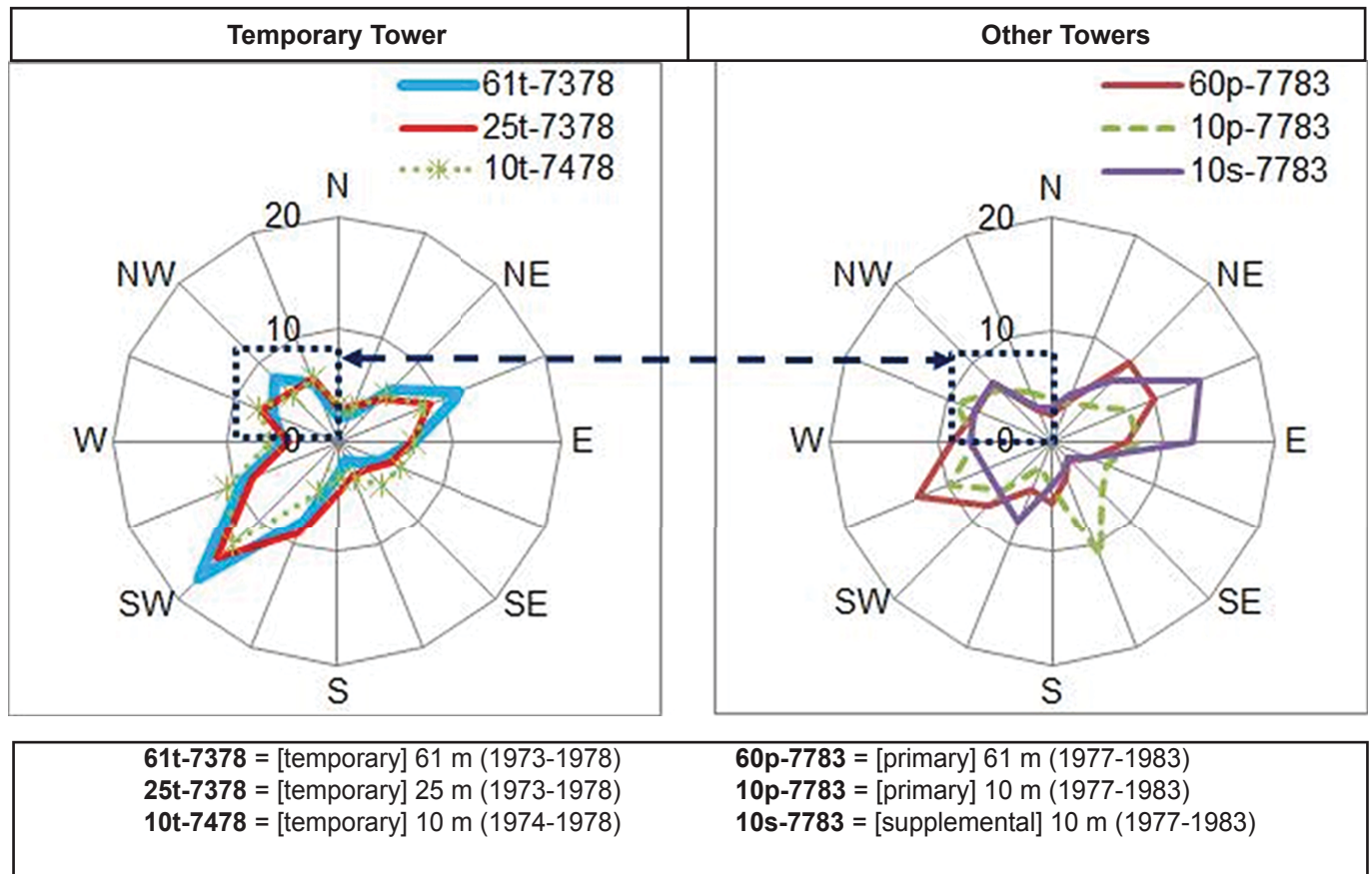
10s-7783 = 10 m (4/11/1973-3/2/1978)

**Temporary Tower (Mt):**

10t-7478 = 10 m (4/3/1974-3/2/1978)

**Frequency of 10-meter Wind Directions**

Figure 2.7.4-11. Effects of Topography on Wind Flow in the CRN Site Vicinity (Sheet 1 of 2)



Comparison of Peaks between  
Temporary Tower and Other Towers

Figure 2.7.4-11. Effects of Topography on Wind Flow in the CRN Site Vicinity (Sheet 2 of 2)