



MAR 30 2007

Docket No.: 52-011

AR-07-0699

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Southern Nuclear Operating Company
Vogtle Early Site Permit Application
Supplemental Response to Requests for Additional Information No. 2.3.3-1

Ladies and Gentlemen:

By letter dated February 23, 2007, the U.S. Nuclear Regulatory Commission (NRC) provided Southern Nuclear Operating Company (SNC) with requests for additional information (RAIs) on the Vogtle Early Site Permit (ESP) Application. The RAIs pertained to ESP application Part 2, Site Safety Analysis Report (SSAR), Section 2.3, *Meteorology*. By letter dated March 26, 2007, SNC responded to these RAIs. In the RAI response submittal, SNC committed to providing supplemental information for RAI No. 2.3.3-1 by March 30, 2007. The supplemental information consists of revised hourly onsite meteorological data files on CDROM and proposed revisions to selected SSAR Section 2.3 figures that were affected by the revised meteorological data, but were not included in SNC's March 26, 2007 submittal letter. However, the revision to SSAR Tables 2.3-7 and 2.3-8, which consist of a presentation of meteorological data, will not be submitted in this letter. Instead, they will be updated and included in the next revision of the ESP application. The supplemental information is provided in the Enclosures to this letter.

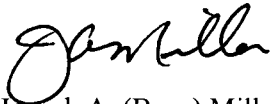
The SNC contact for this RAI response letter is J. T. Davis at (205) 992-7692.

DO77

Mr. J. A. (Buzz) Miller states he is a Vice President of Southern Nuclear Operating Company, is authorized to execute this oath on behalf of Southern Nuclear Operating Company and to the best of his knowledge and belief, the facts set forth in this letter are true.

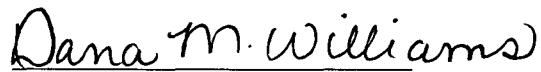
Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY



Joseph A. (Buzz) Miller

Sworn to and subscribed before me this 30th day of March, 2007



Notary Public

My commission expires: 12/29/2010

JAM/BJS/dmw

Enclosures:

1. Proposed Revision to SSAR Figures 2.3-2 Through 2.3-13
2. Revised Hourly Onsite Meteorological Data Files on CDROM



cc: Southern Nuclear Operating Company

Mr. J. B. Beasley, Jr., President and CEO (w/o enclosures)
Mr. J. T. Gasser, Executive Vice President, Nuclear Operations (w/o enclosures)
Mr. T. E. Tynan, Vice President - Vogtle (w/o enclosures)
Mr. D. M. Lloyd, Vogtle Deployment Director (w/o enclosures)
Mr. C. R. Pierce, Vogtle Development Licensing Manager (w/o enclosures)
Document Services RTYPE: AR01
File AR.01.01.06

Nuclear Regulatory Commission

Mr. R. W. Borchardt, Director of Office of Nuclear Regulation (w/o enclosures)
Mr. W. D. Travers, Region II Administrator (w/o enclosures)
Mr. D. B. Matthews, Director of New Reactors (w/o enclosures)
Ms. S. M. Coffin, AP1000 Manager of New Reactors (w/o enclosures)
Mr. C. J. Araguas, Project Manager of New Reactors (plus five CDs)
Mr. M. D. Notich, Environmental Project Manager
Mr. G. J. McCoy, Senior Resident Inspector of VEGP (w/o enclosures)

Georgia Power Company

Mr. O. C. Harper, Vice President, Resource Planning and Nuclear Development (w/o enclosure)

Oglethorpe Power Corporation

Mr. M. W. Price, Chief Operating Officer (w/o enclosure)

Municipal Electric Authority of Georgia

Mr. C. B. Manning, Senior Vice President and Chief Operating Officer (w/o enclosure)

Dalton Utilities

Mr. D. Cope, President and Chief Executive Officer (w/o enclosure)

Bechtel Power Corporation

Mr. J. S. Prebula, Project Engineer (w/o enclosures)
Mr. R. W. Prunty, Licensing Engineer (w/o enclosures)

Tetra Tech NUS, Inc.

Ms. K. K. Patterson, Project Manager (w/o enclosure)

Southern Nuclear Operating Company

AR-07-0699

Enclosure 1

Proposed Revision to

SSAR Figures 2.3-2 Through 2.3-13

NOTE: This enclosure consists of 34 pages of proposed ESP application figures.

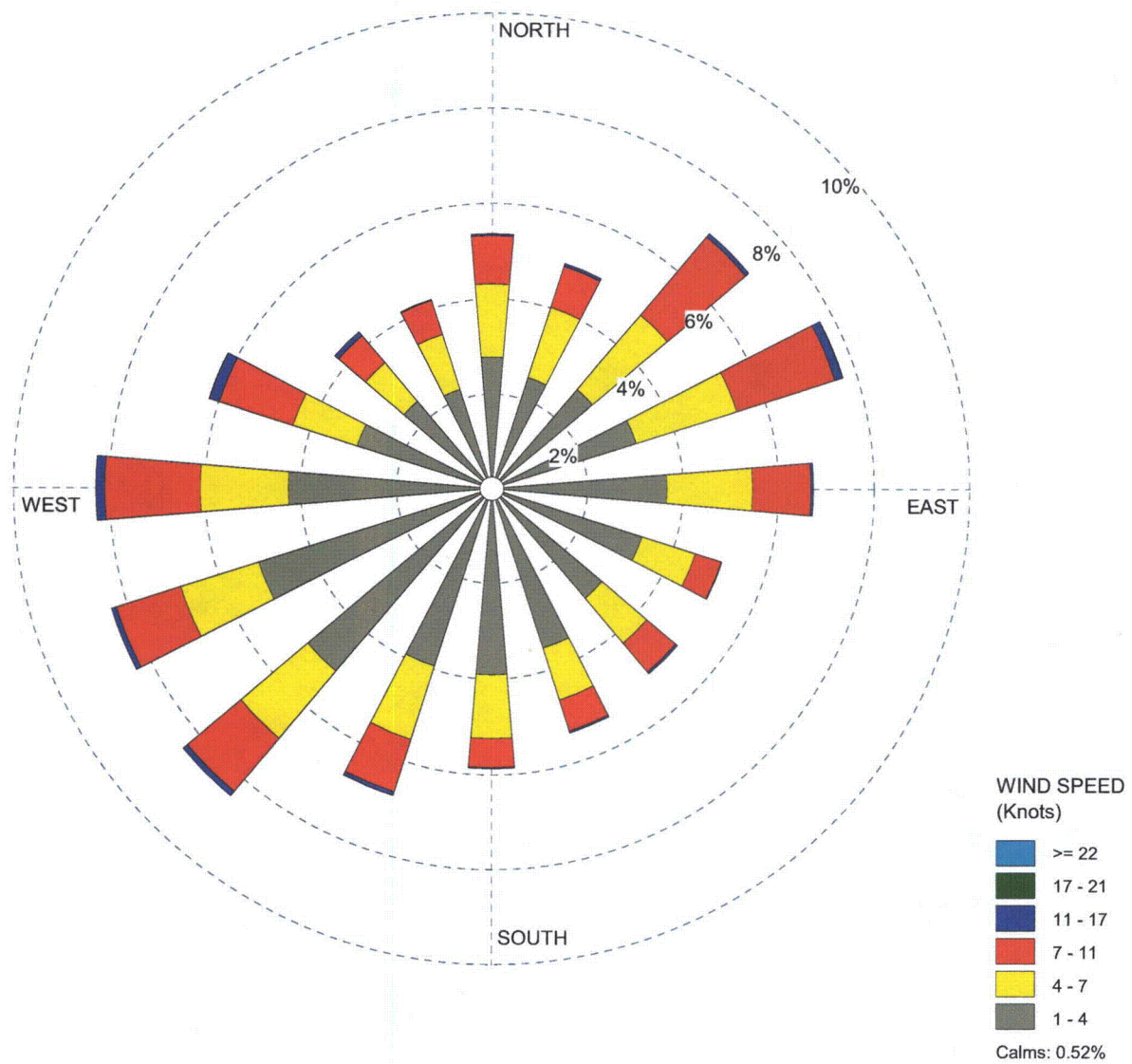


Figure 2.3-2 VEGP 10-m Level Annual Wind Rose (1998-2002)

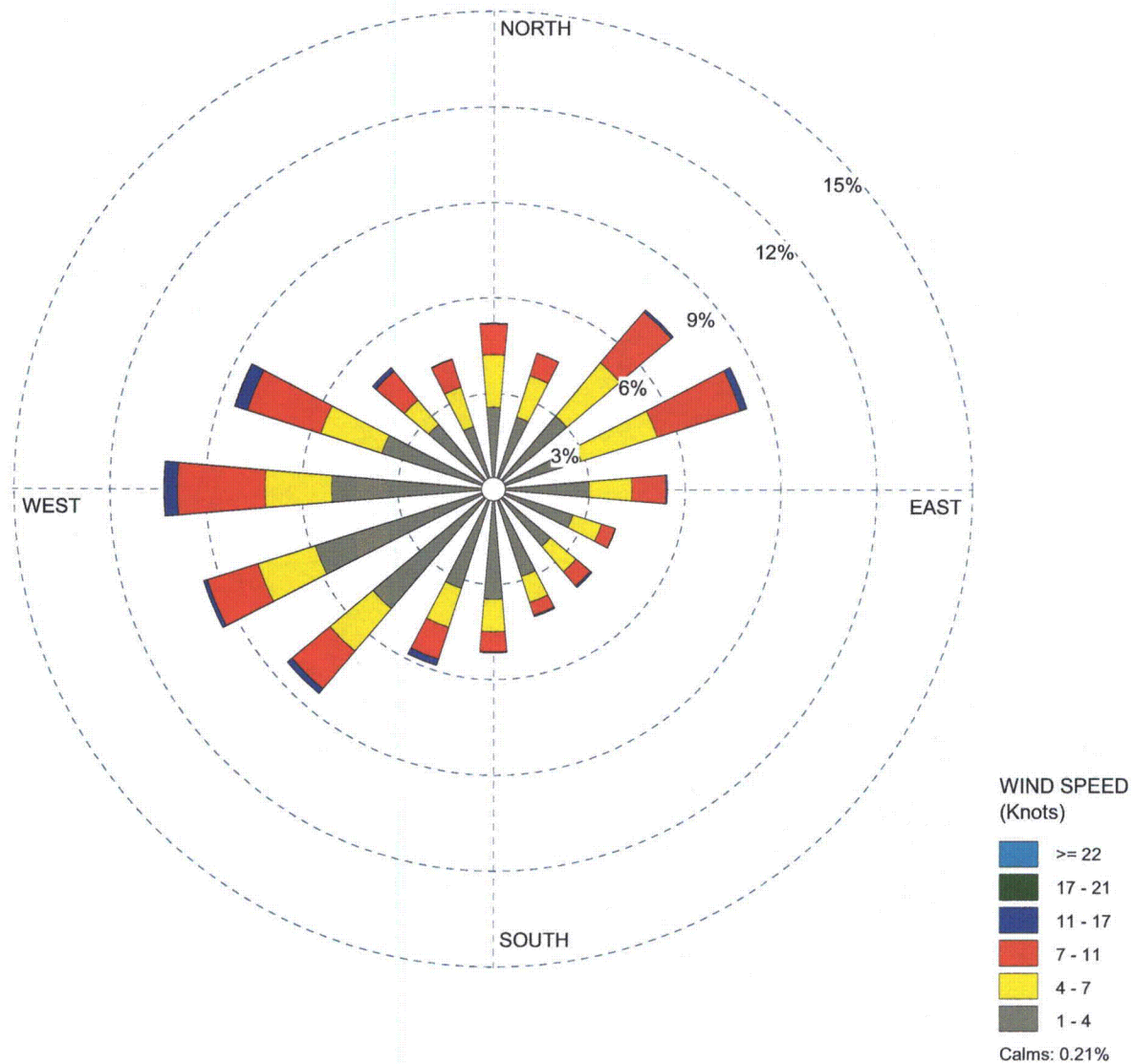


Figure 2.3-3 VEGP 10-m Level Winter Wind Rose (1998-2002)

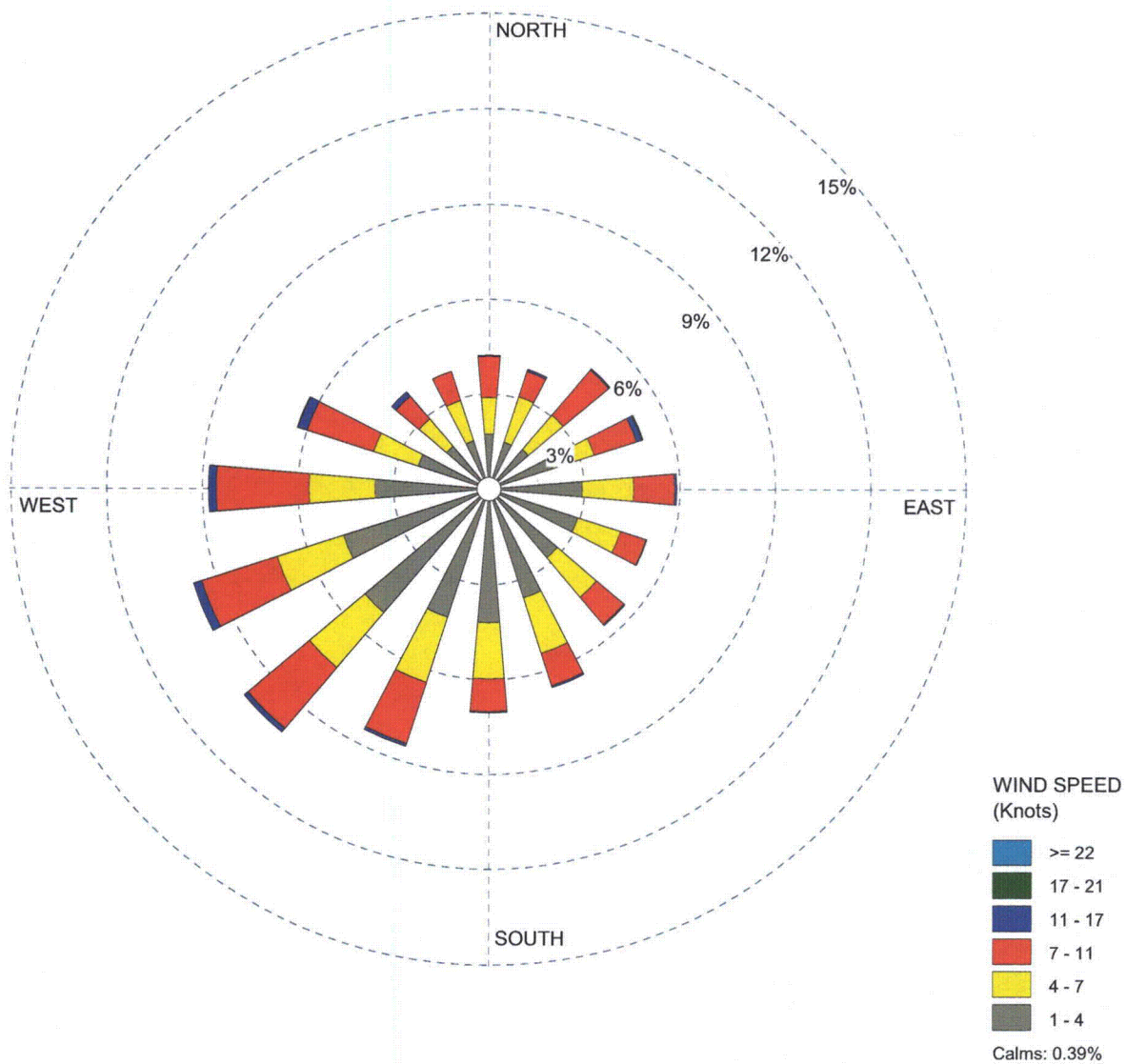


Figure 2.3-4 VEGP 10-m Level Spring Wind Rose (1998-2002)

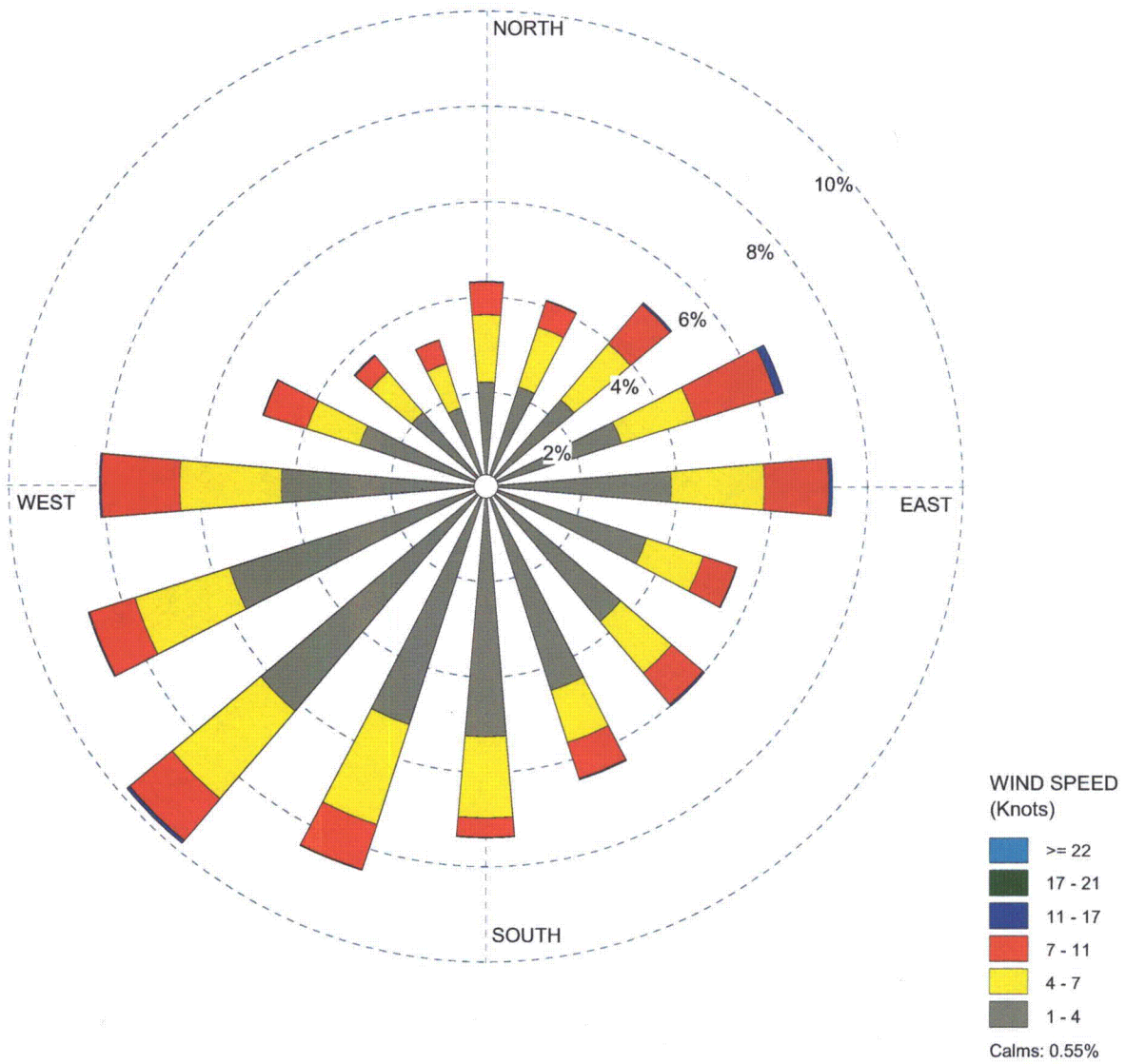


Figure 2.3-5 VEGP 10-m Level Summer Wind Rose (1998-2002)

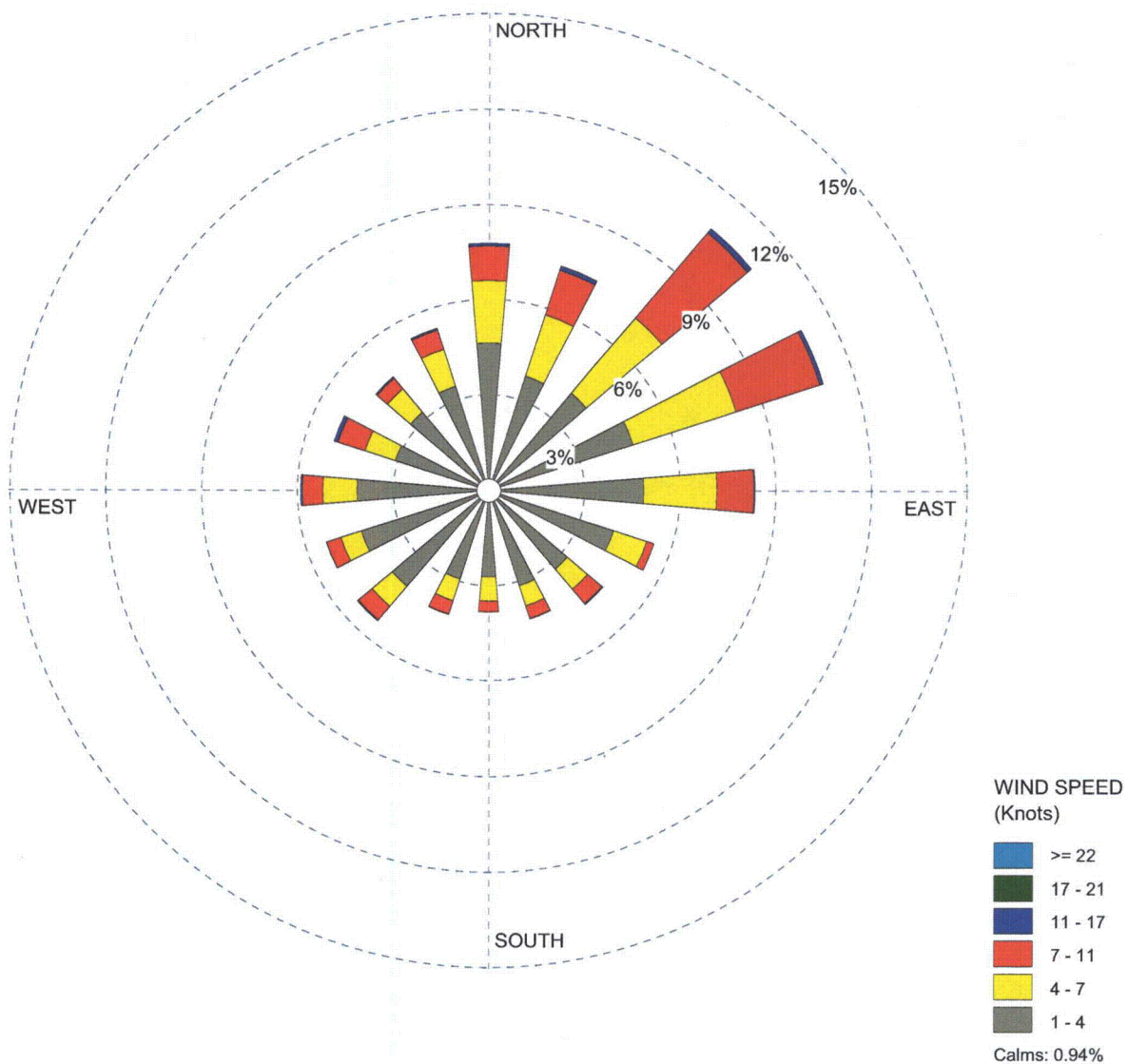


Figure 2.3-6 VEGP 10-m Level Autumn Wind Rose (1998-2002)

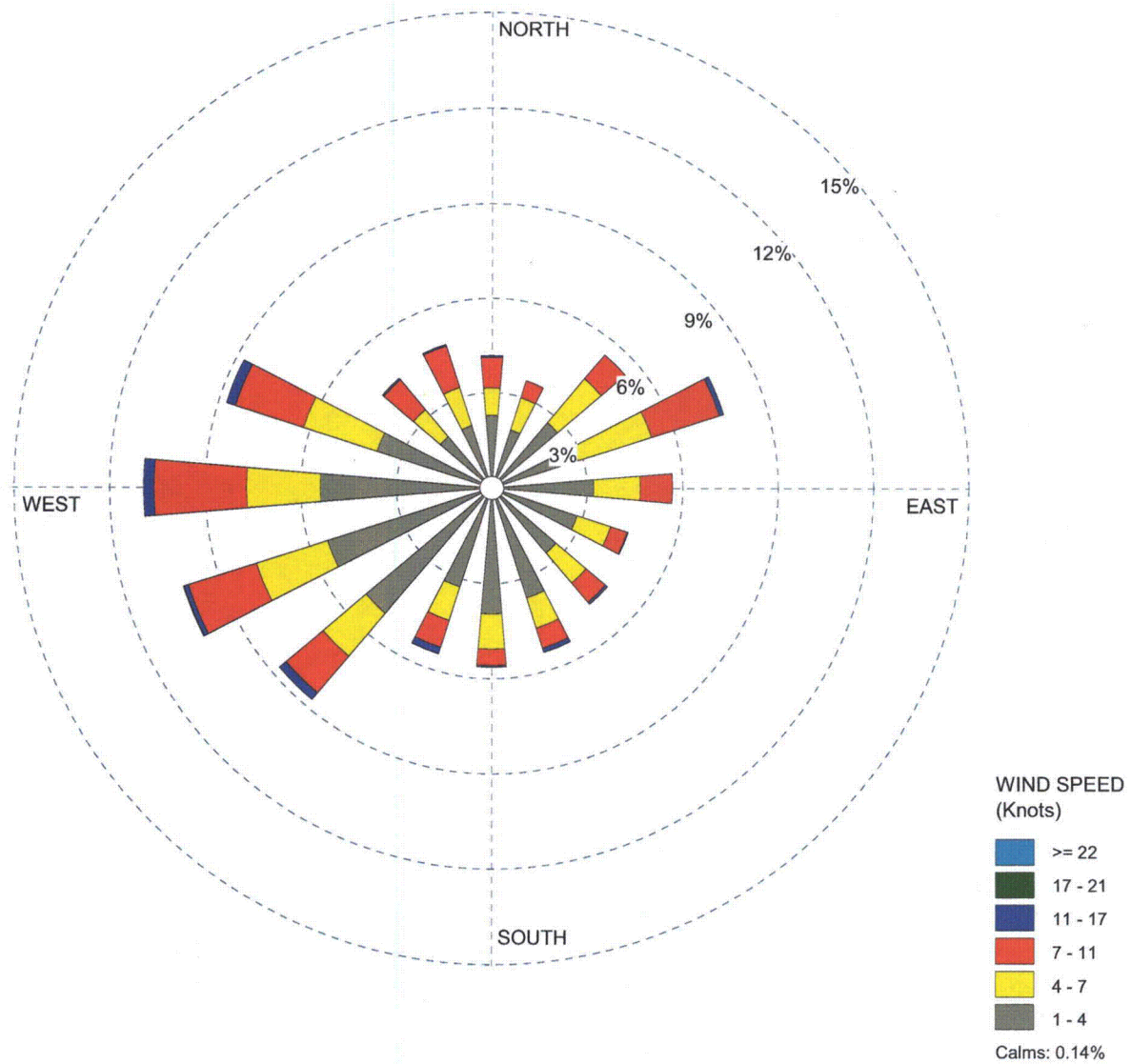


Figure 2.3-7 VEGP 10-m Level January Wind Rose (1998–2002)
(Sheet 1 of 12)

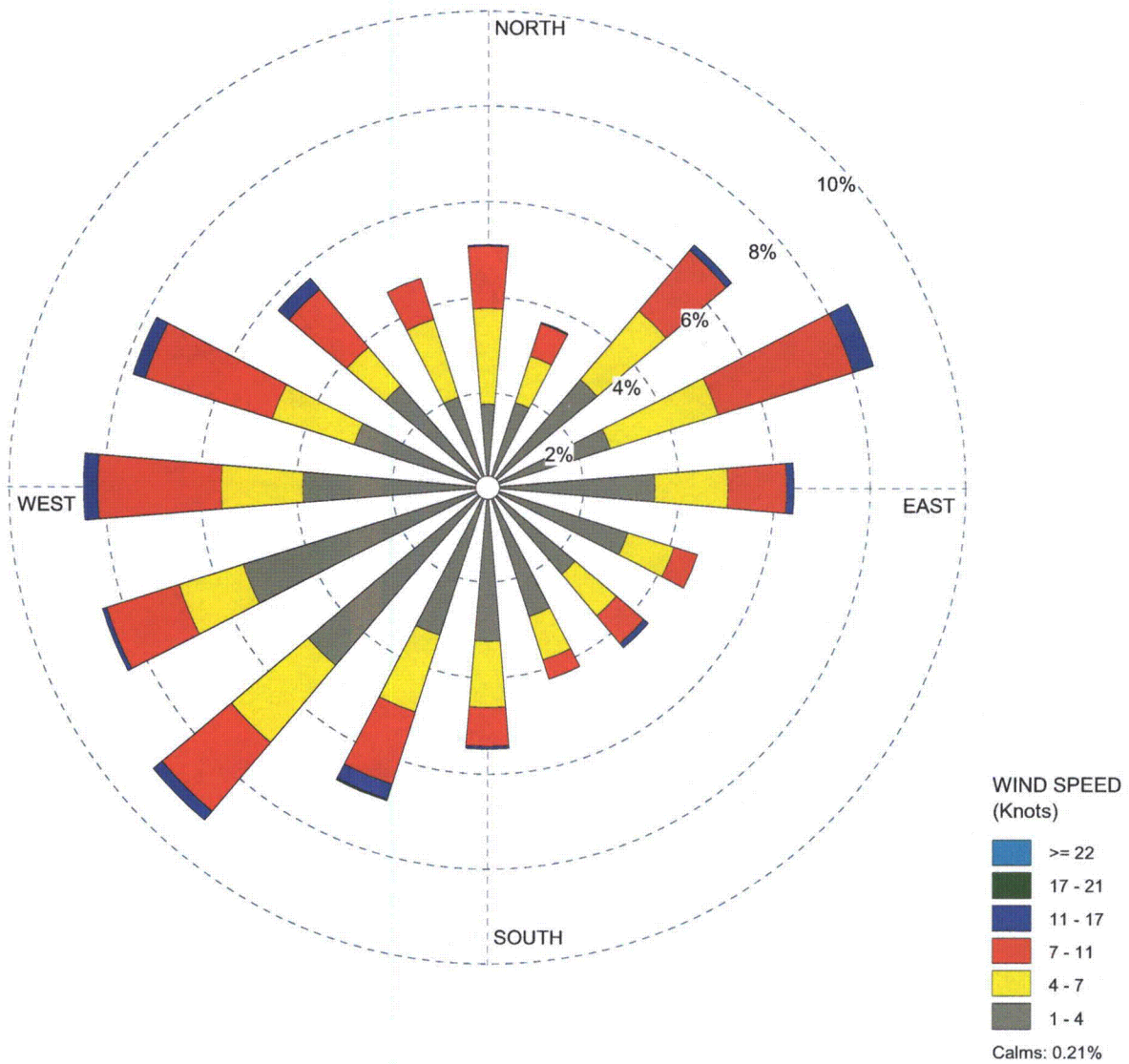


Figure 2.3-7 VEGP 10-m Level February Wind Rose (1998–2002)
(Sheet 2 of 12)

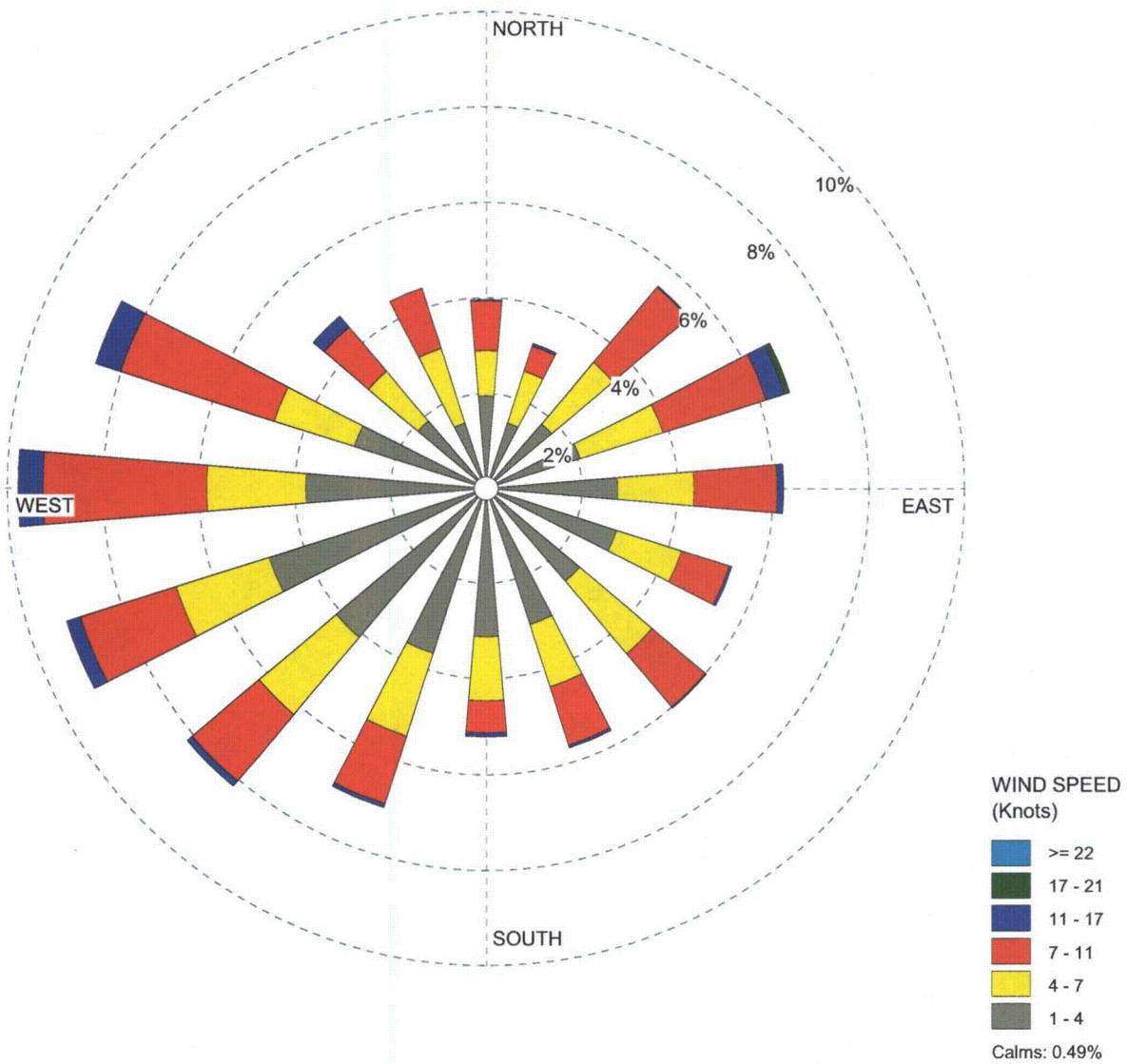


Figure 2.3-7 VEGP 10-m Level March Wind Rose (1998–2002)
(Sheet 3 of 12)

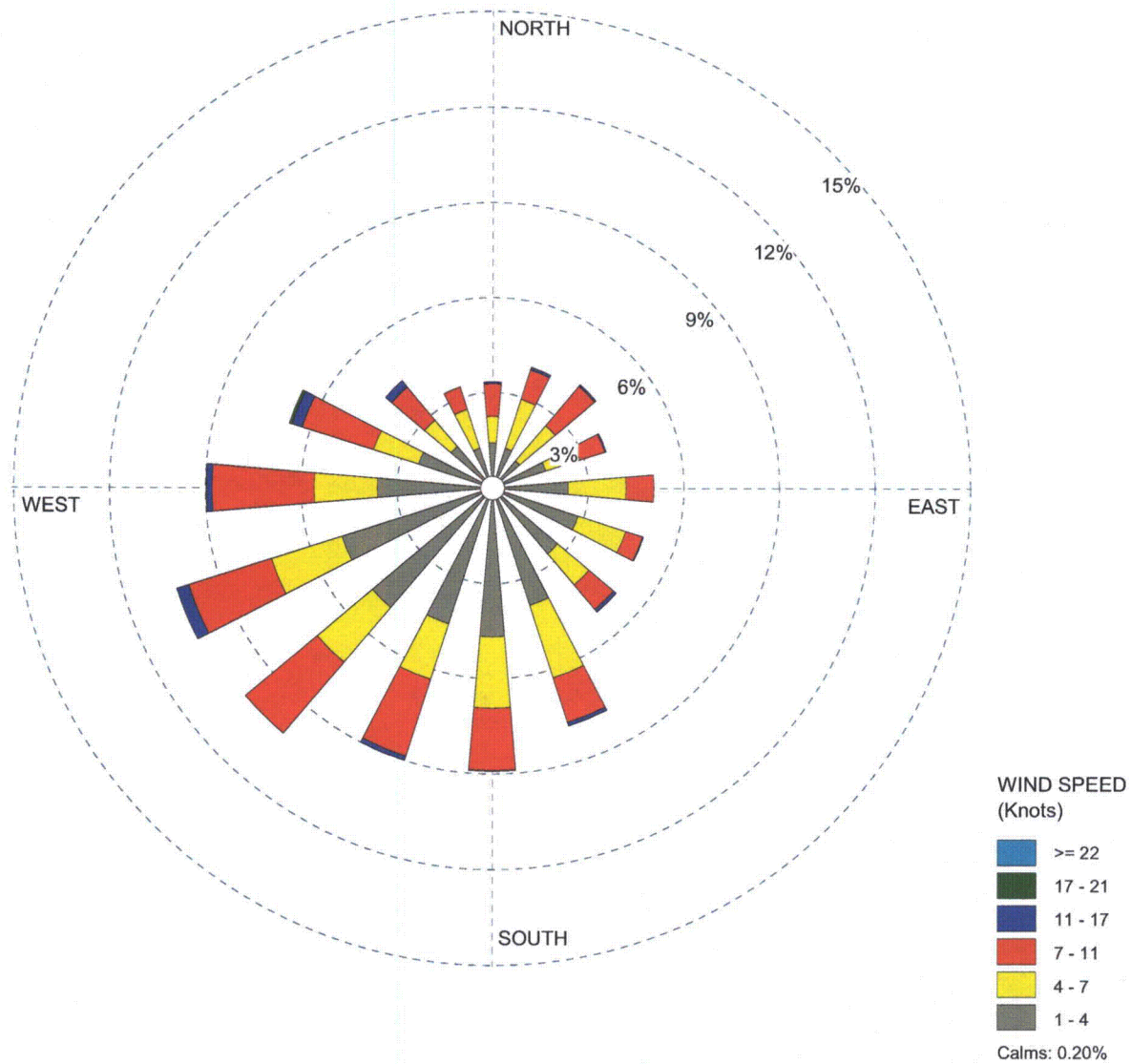


Figure 2.3-7 VEGP 10-m Level April Wind Rose (1998–2002)
(Sheet 4 of 12)

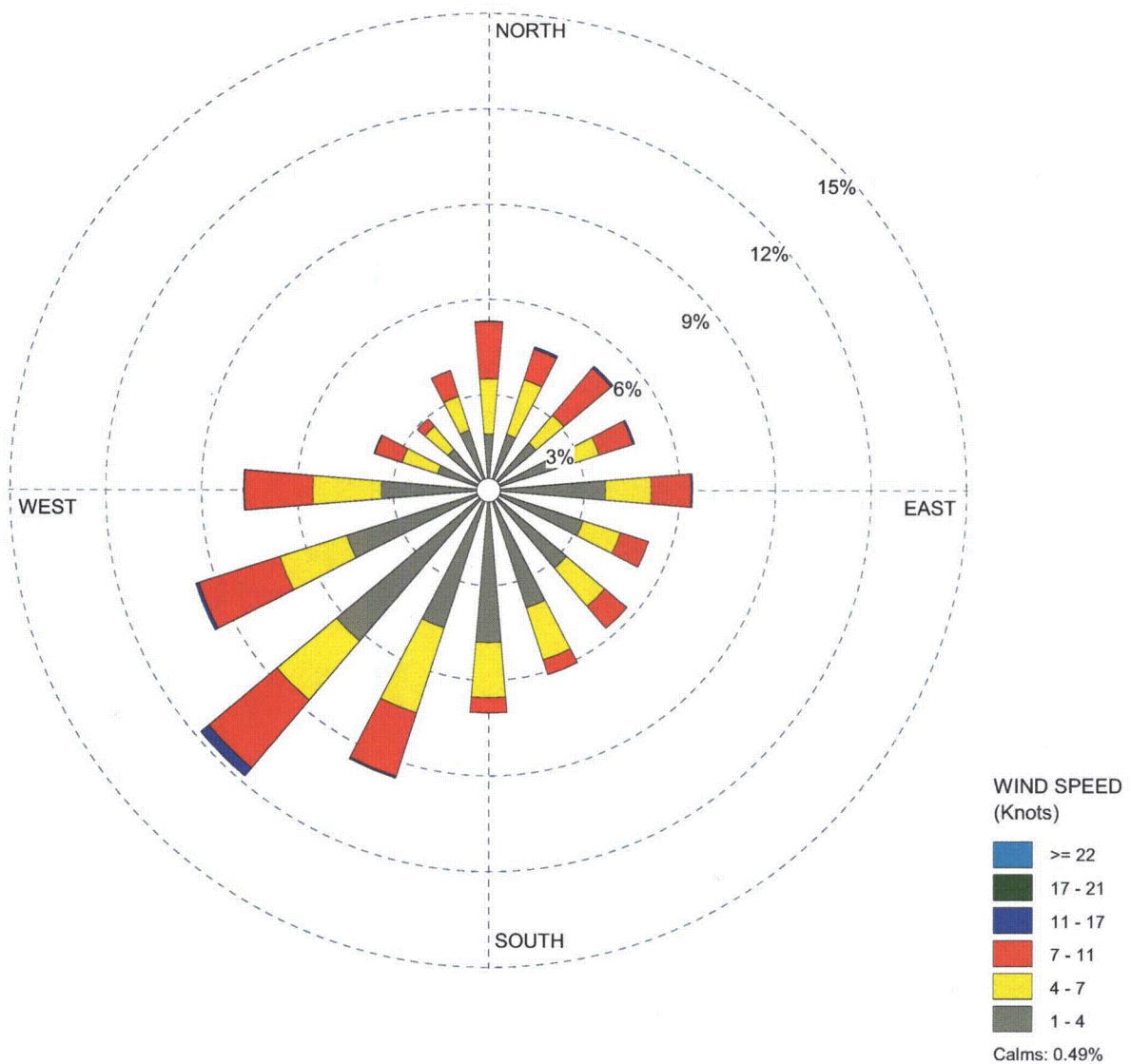


Figure 2.3-7 VEGP 10-m Level May Wind Rose (1998–2002)
(Sheet 5 of 12)

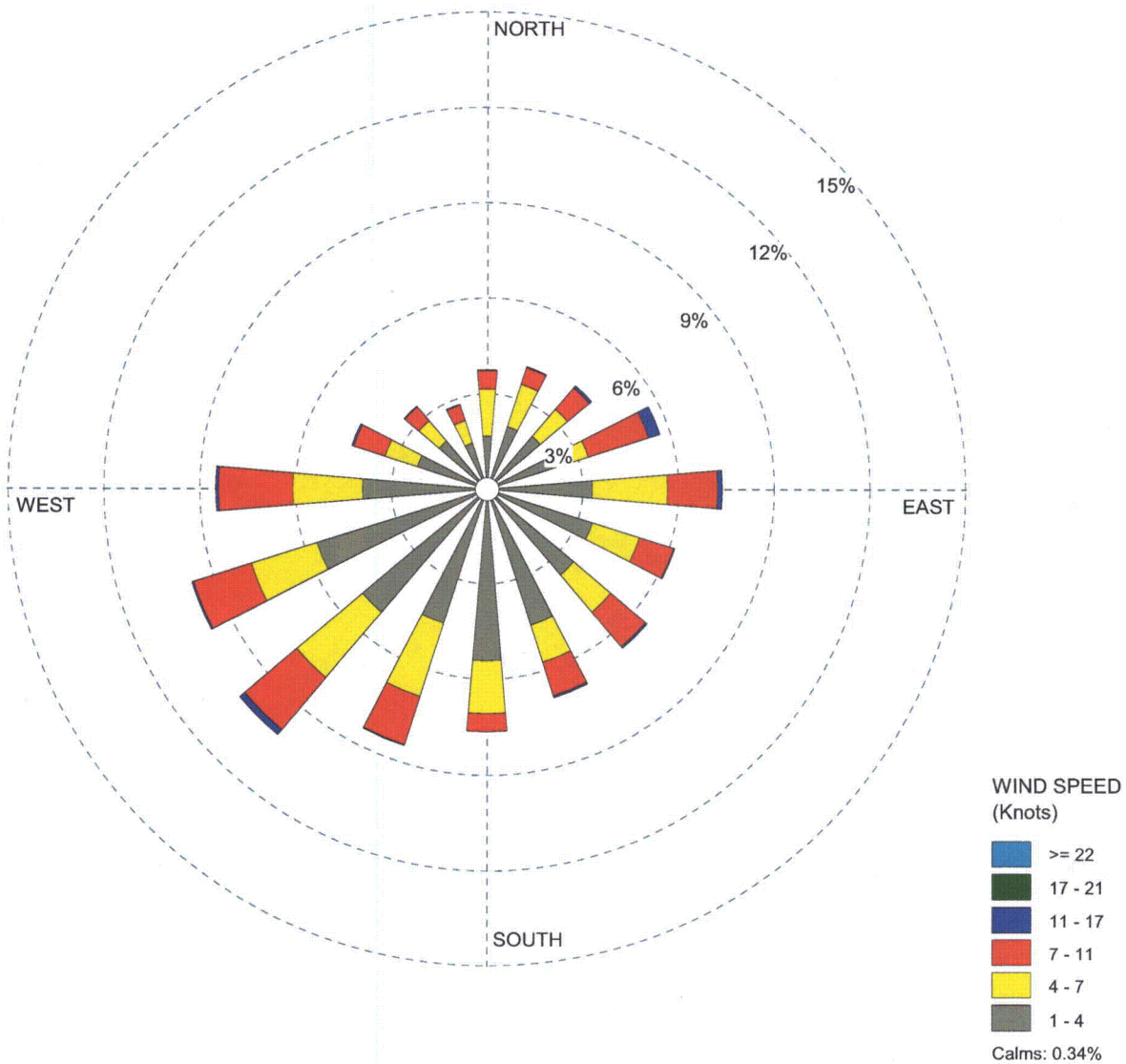


Figure 2.3-7 VEGP 10-m Level June Wind Rose (1998–2002)
(Sheet 6 of 12)

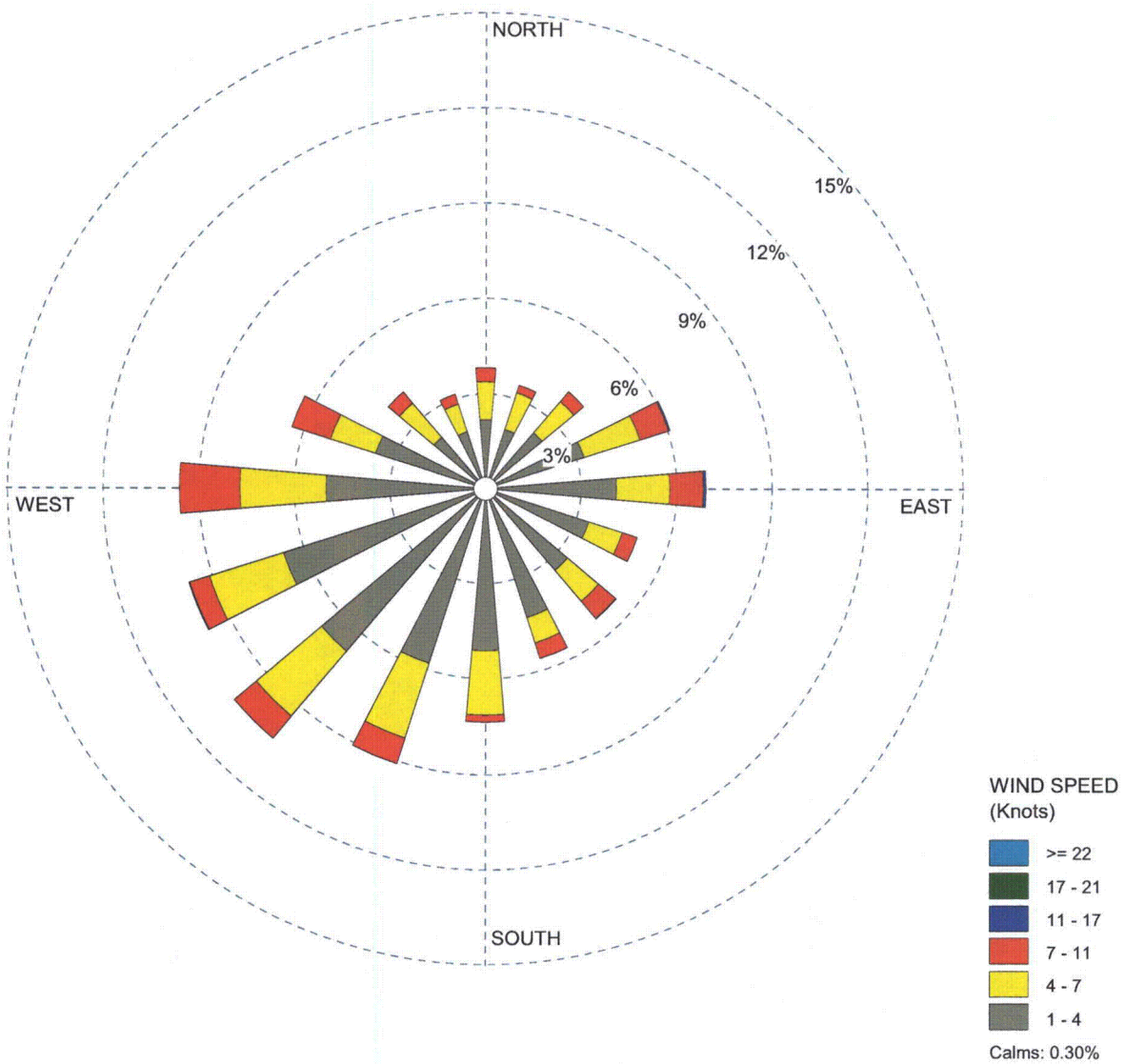


Figure 2.3-7 VEGP 10-m Level July Wind Rose (1998–2002)
(Sheet 7 of 12)

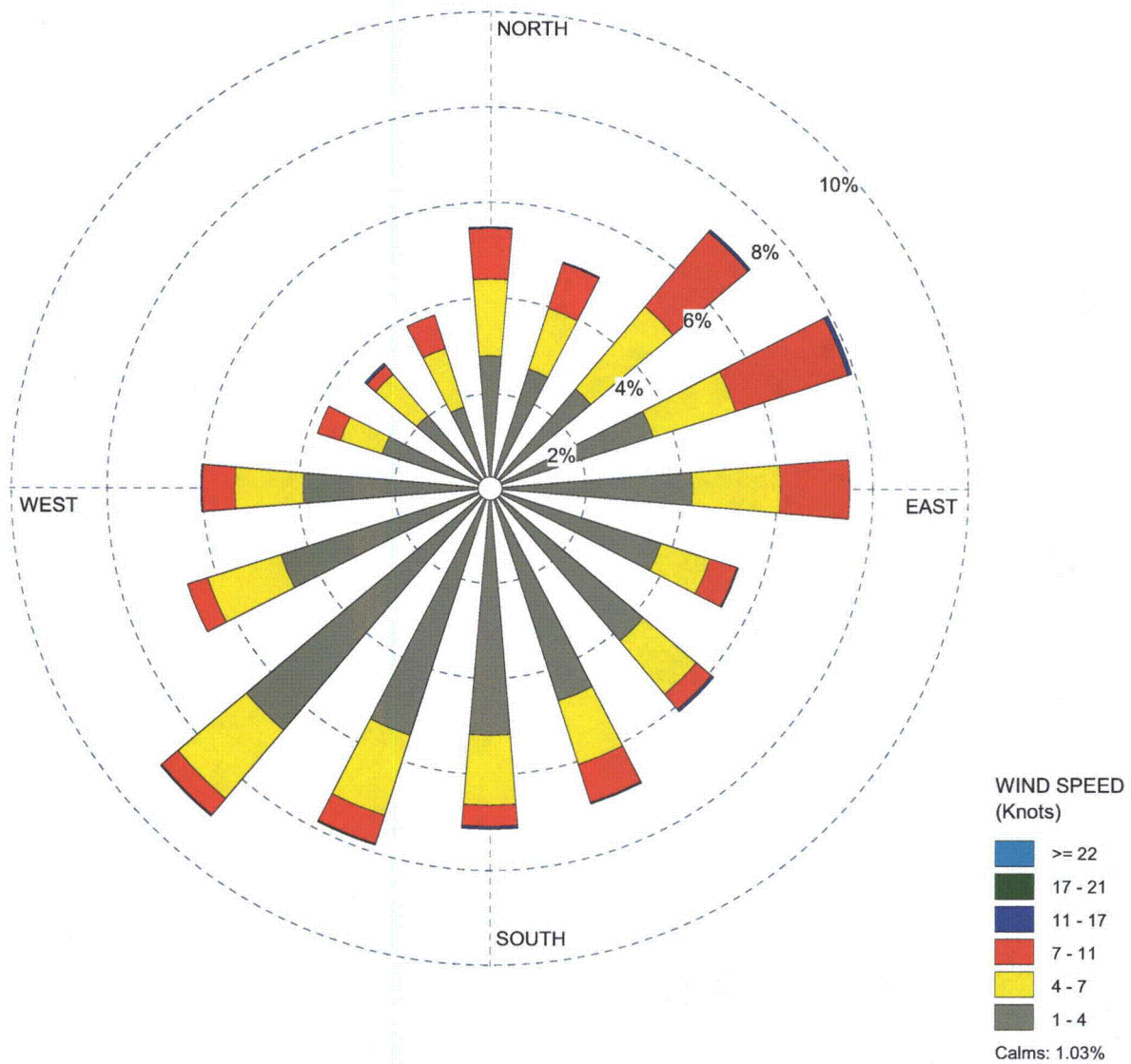


Figure 2.3-7 VEGP 10-m Level August Wind Rose (1998–2002)
(Sheet 8 of 12)

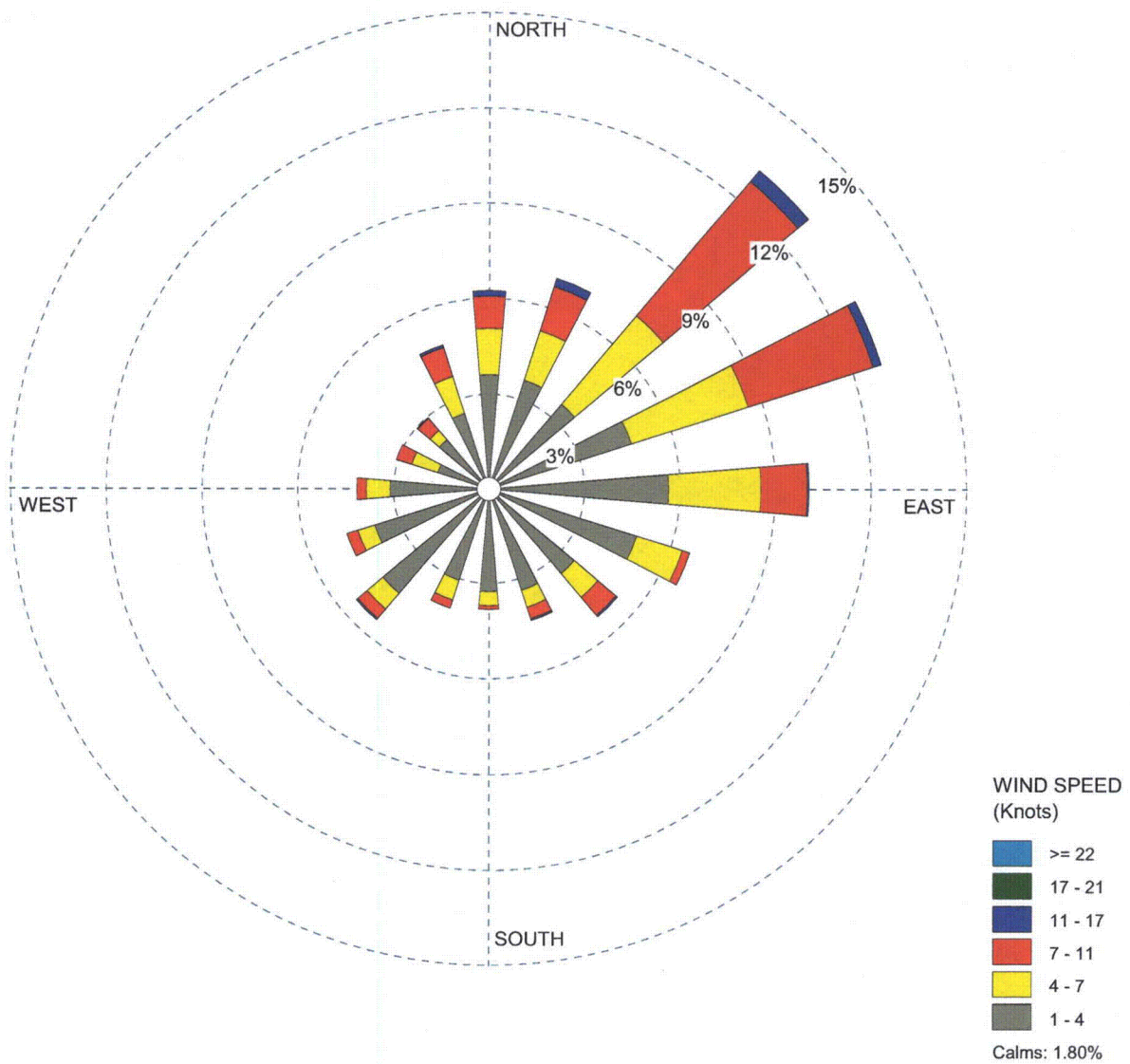
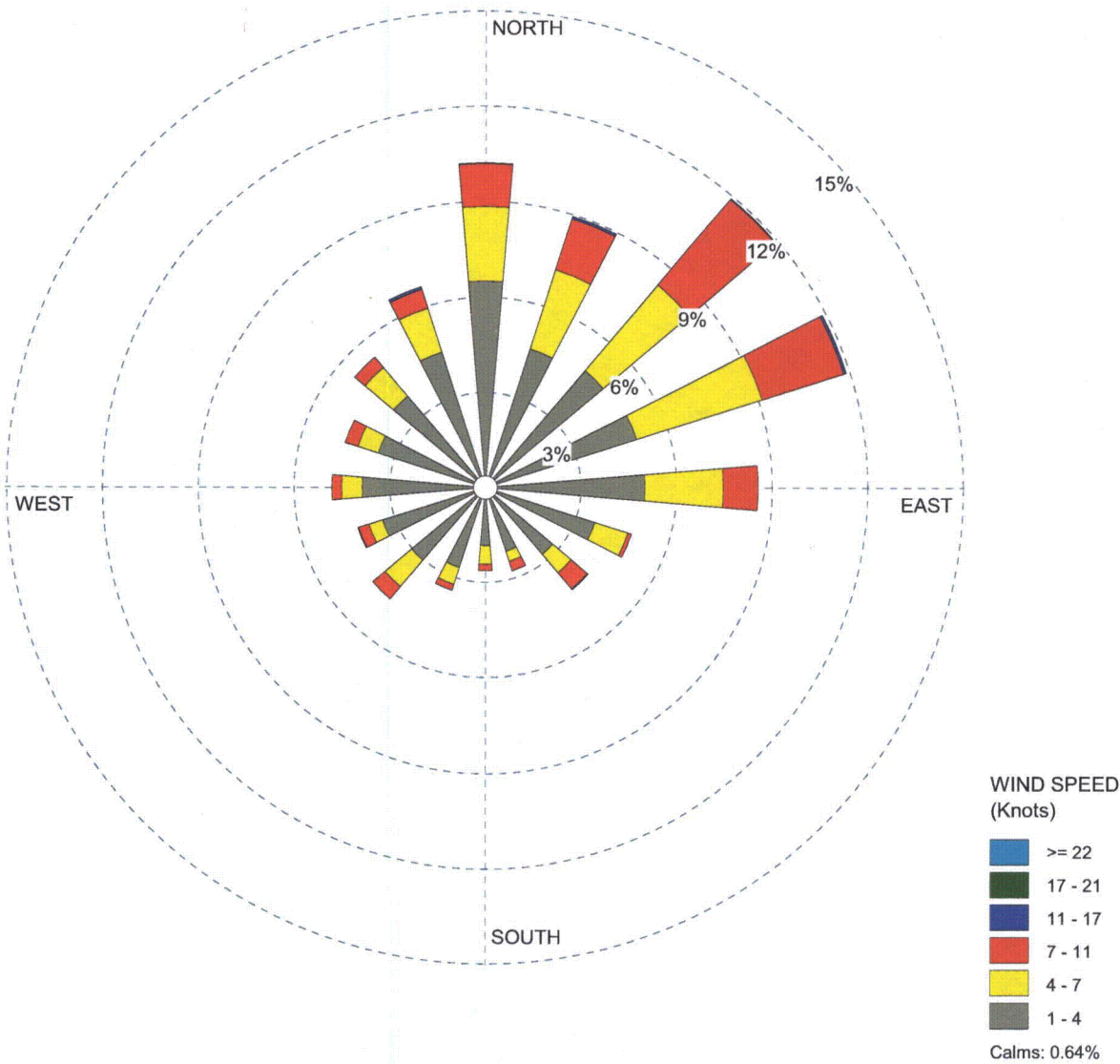


Figure 2.3-7 VEGP 10-m Level September Wind Rose (1998–2002) (Sheet 9 of 12)



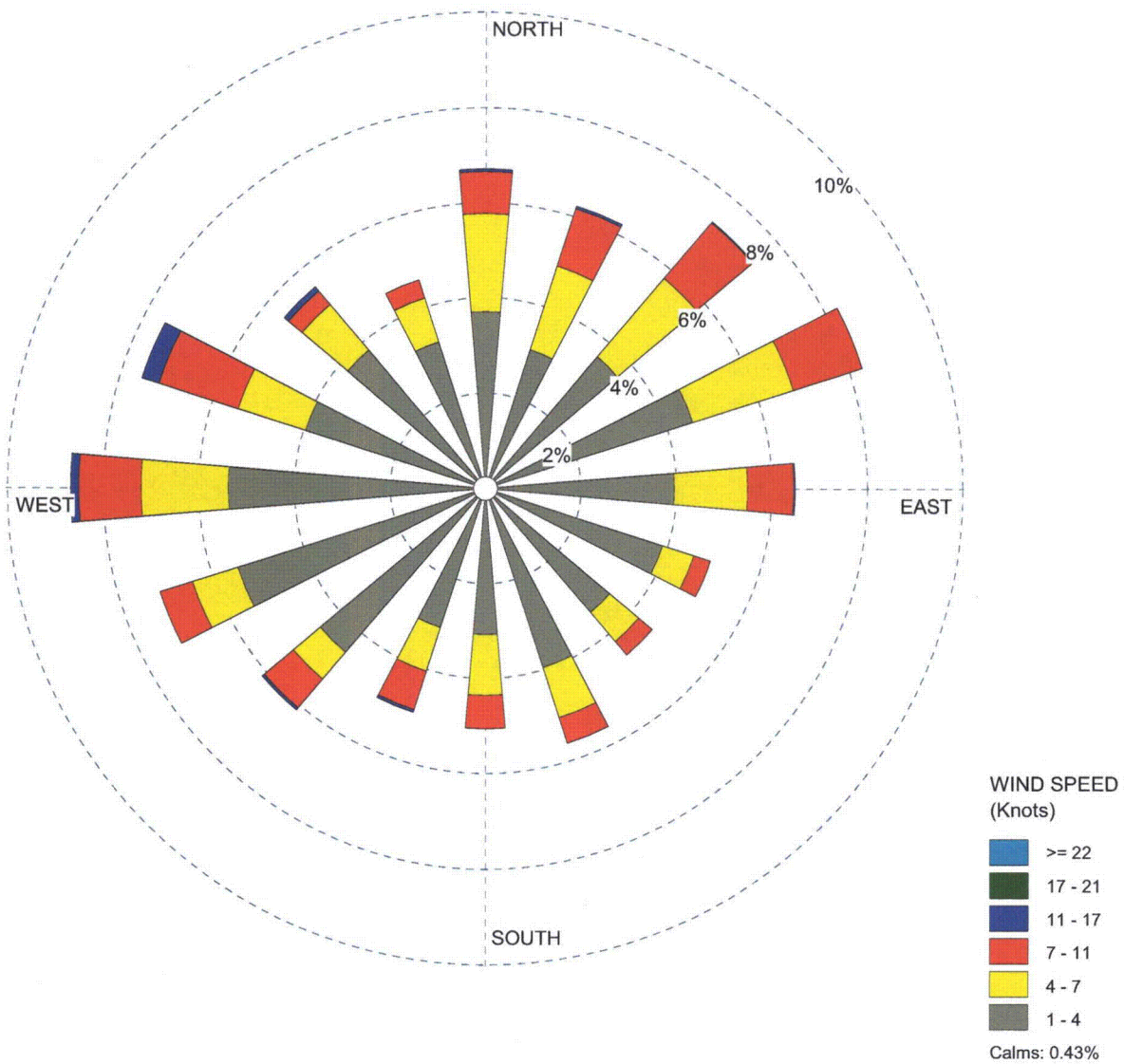


Figure 2.3-7 VEGP 10-m Level November Wind Rose (1998–2002)
(Sheet 11 of 12)

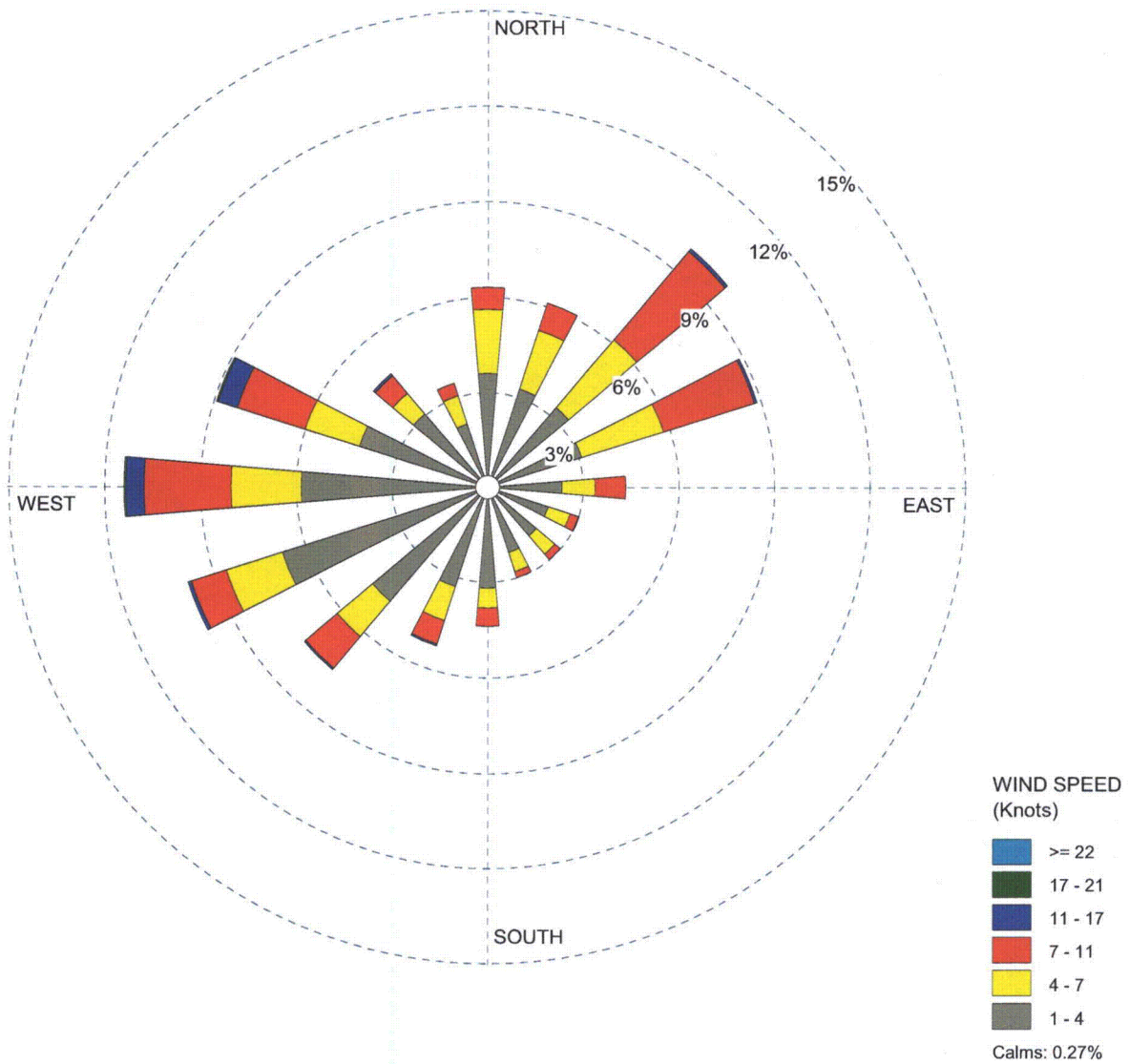


Figure 2.3-7 VEGP 10-m Level December Wind Rose (1998–2002)
(Sheet 12 of 12)

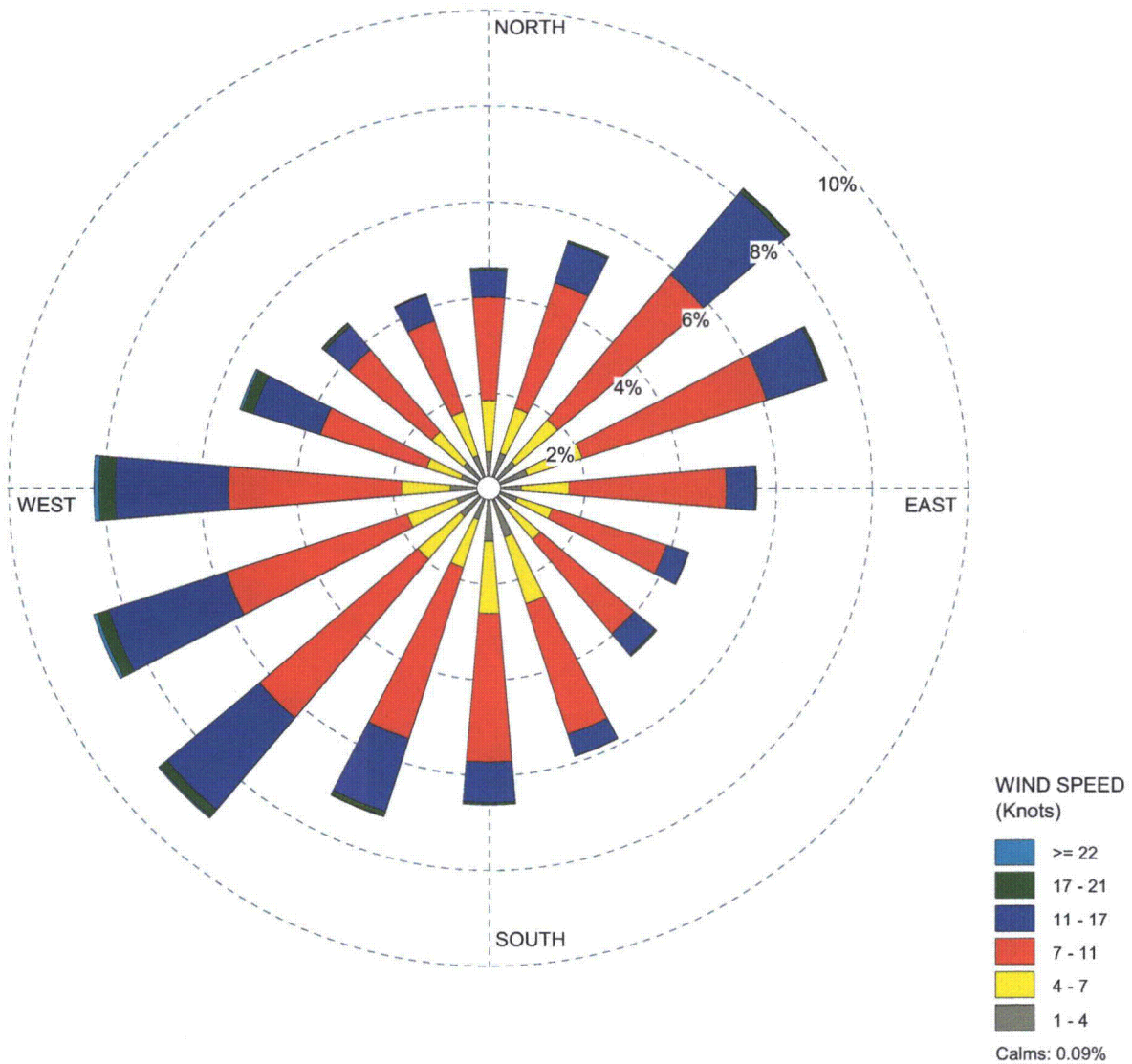


Figure 2.3-8 VEGP 60-m Level Annual Wind Rose (1998-2002)

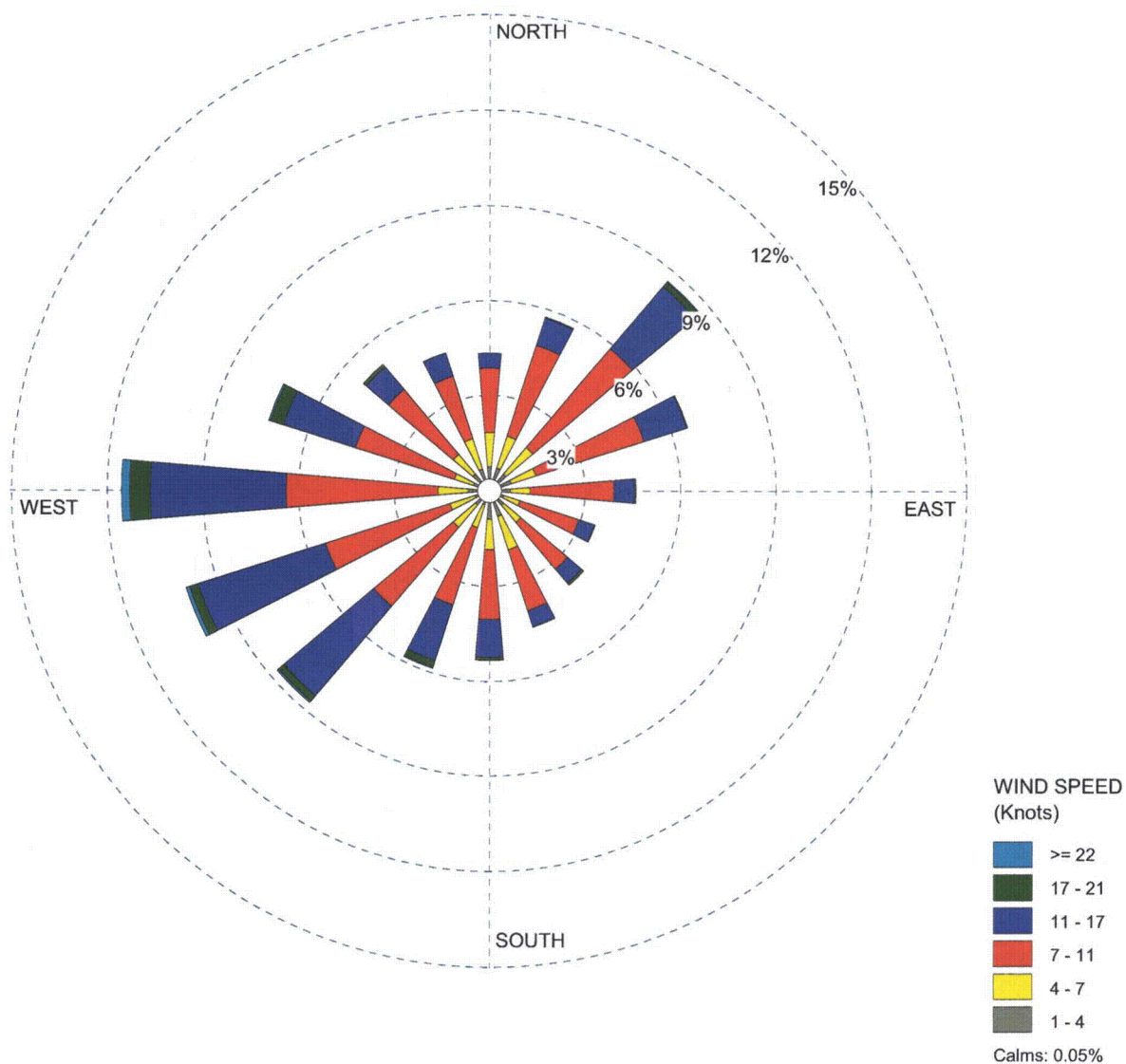


Figure 2.3-9 VEGP 60-m Level Winter Wind Rose (1998-2002)

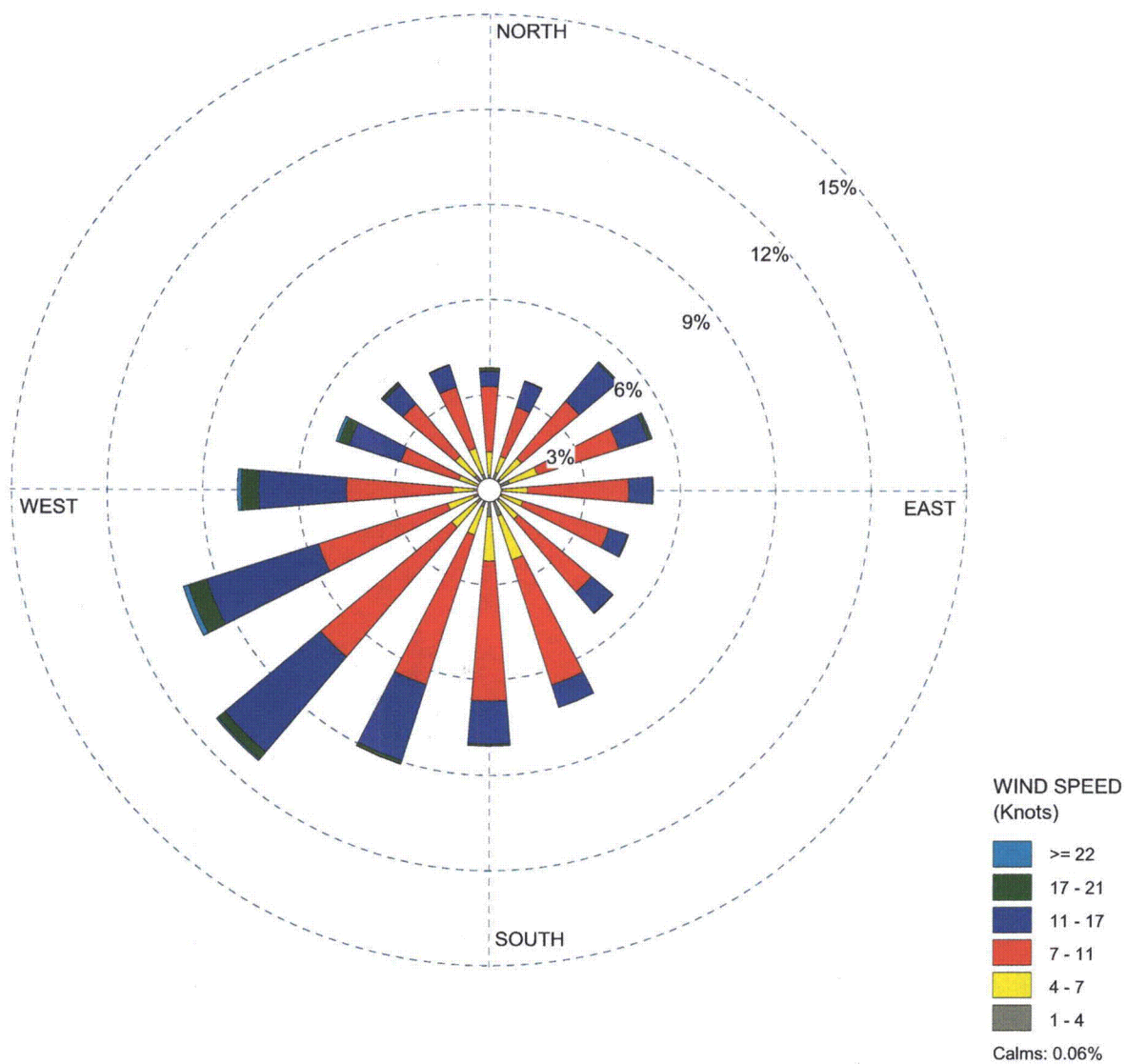


Figure 2.3-10 VEGP 60-m Level Spring Wind Rose (1998-2002)

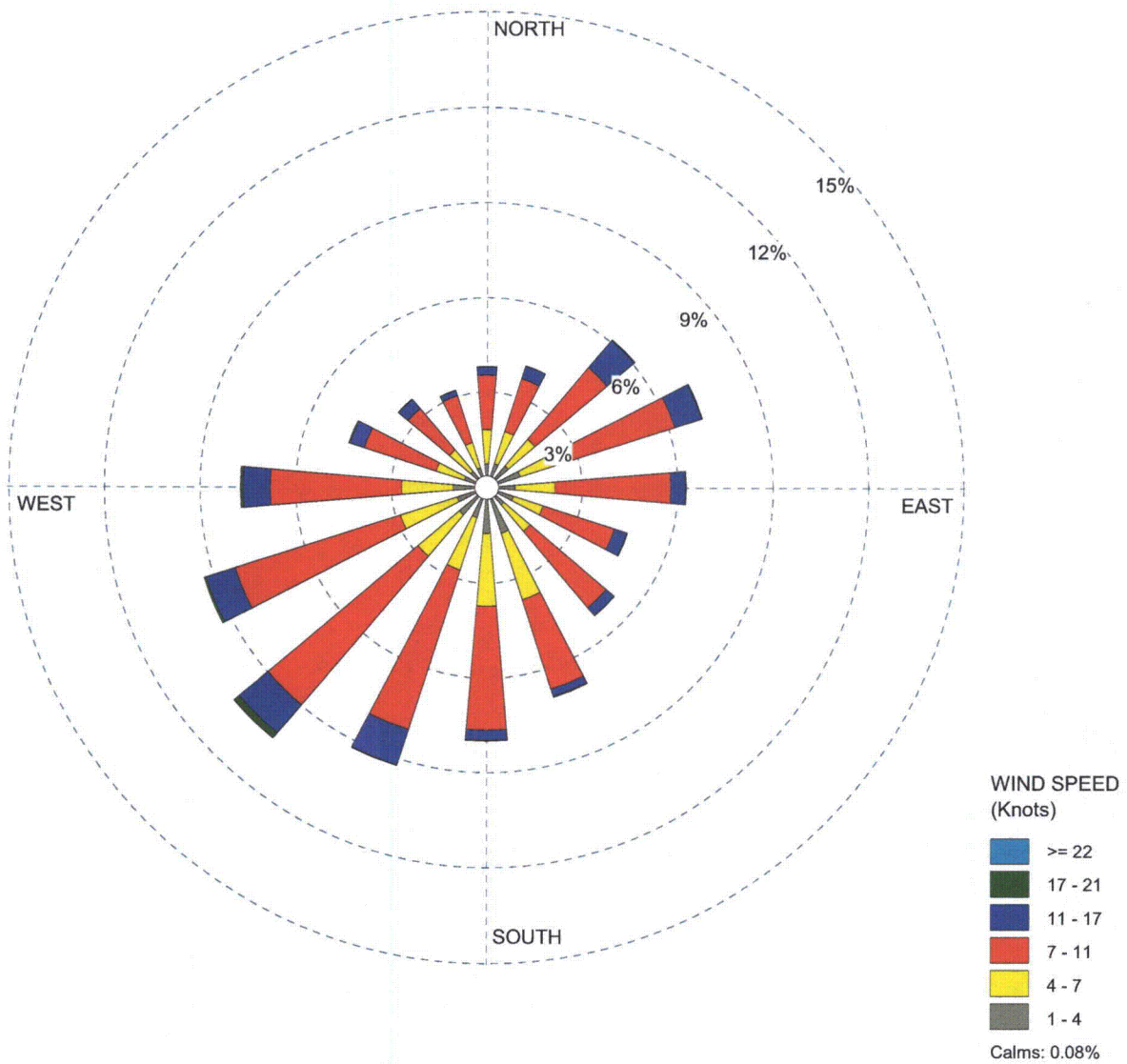


Figure 2.3-11 VEGP 60-m Level Summer Wind Rose (1998-2002)

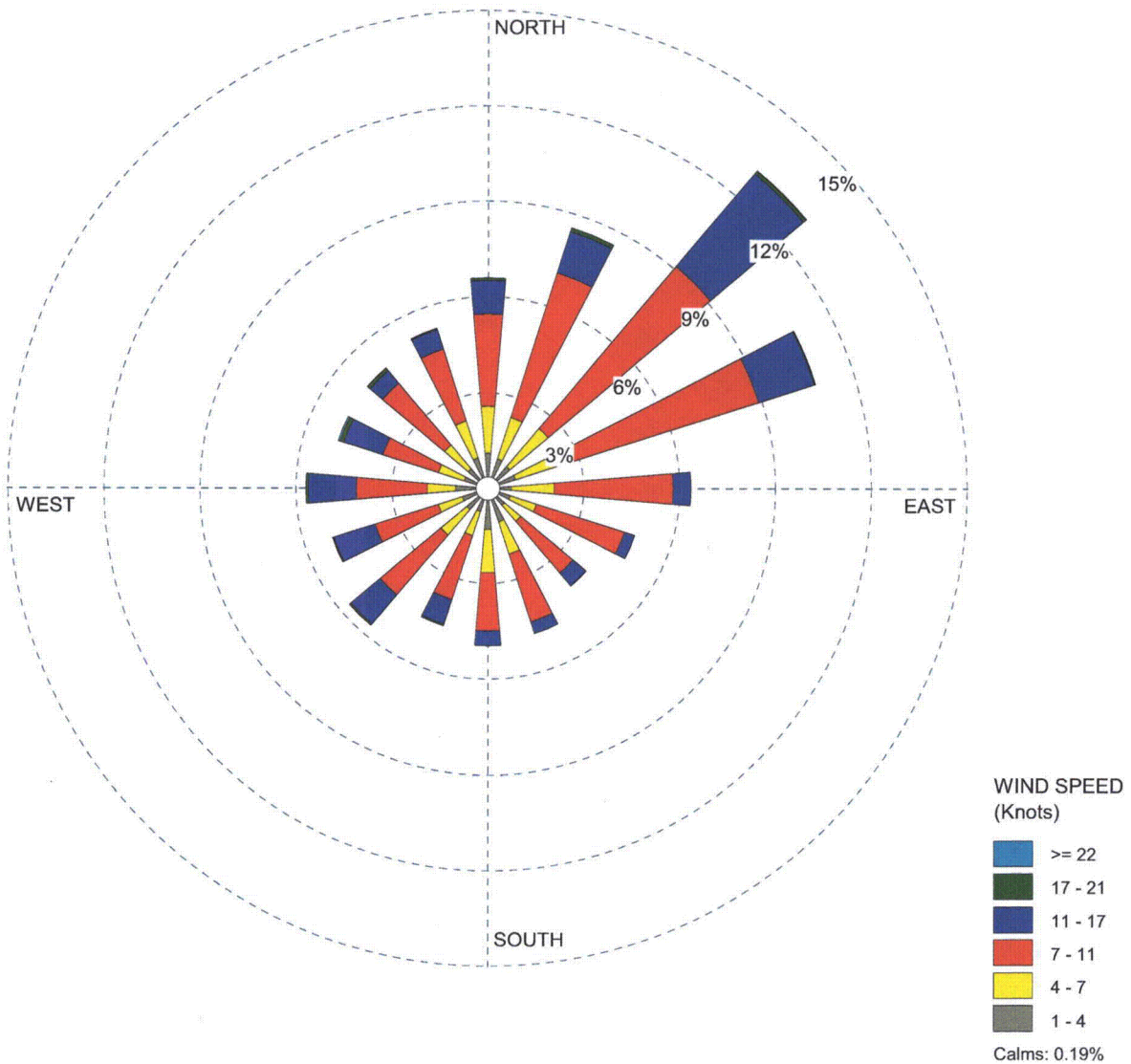


Figure 2.3-12 VEGP 60-m Level Autumn Wind Rose (1998-2002)

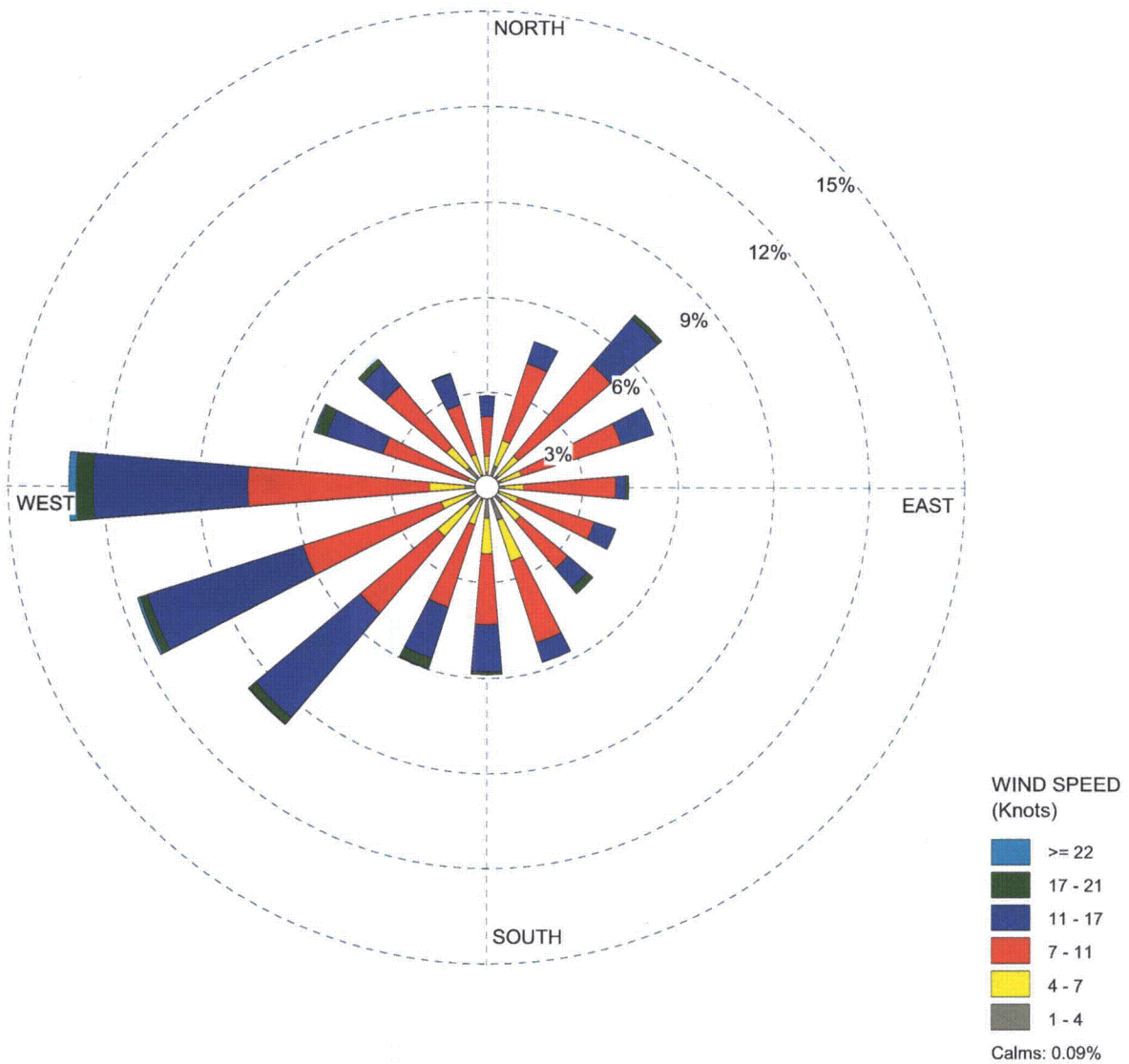


Figure 2.3-13 VEGP 60-m Level January Wind Rose (1998–2002)
(Sheet 1 of 12)

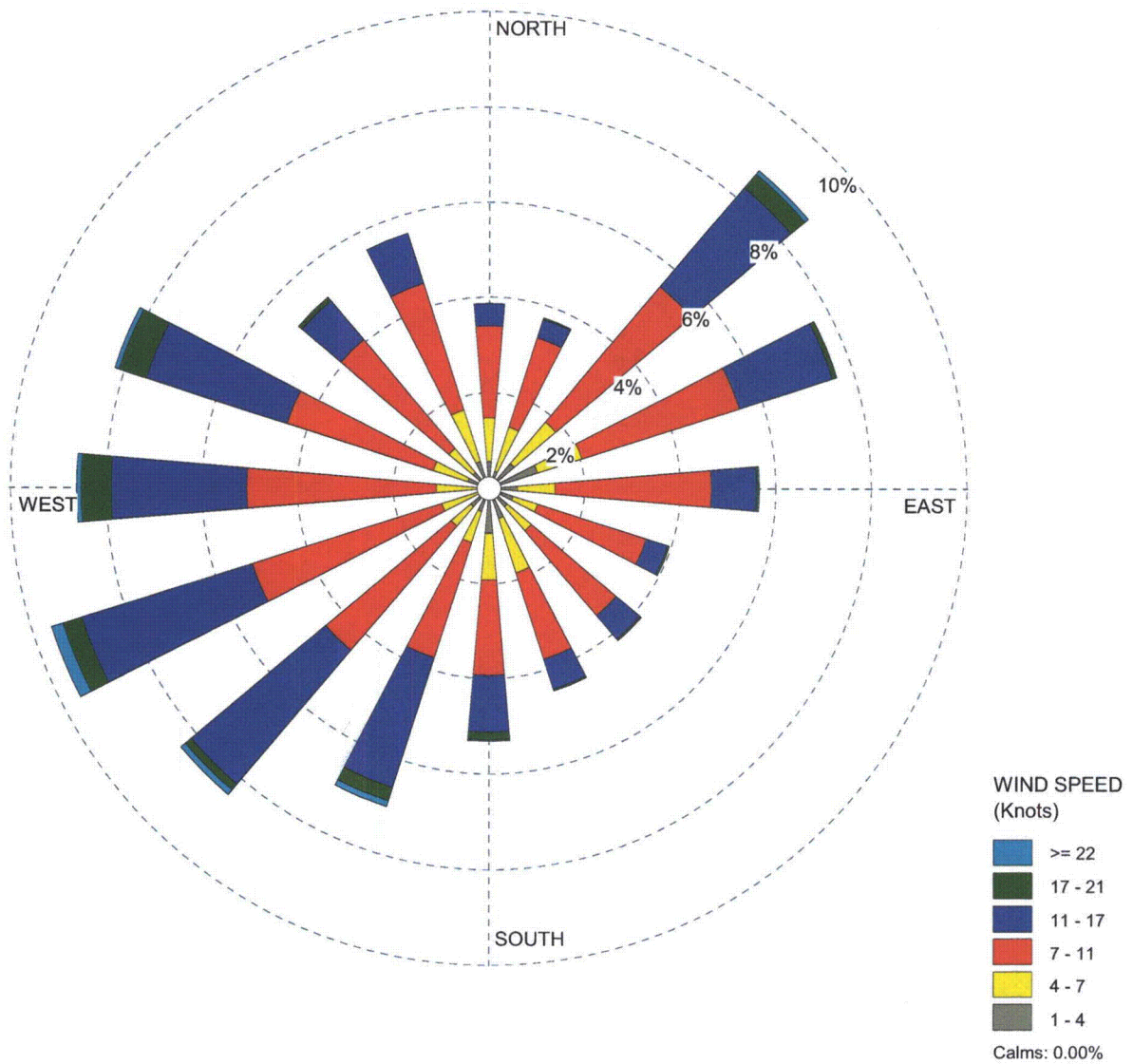


Figure 2.3-13 VEGP 60-m Level February Wind Rose (1998–2002)
(Sheet 2 of 12)

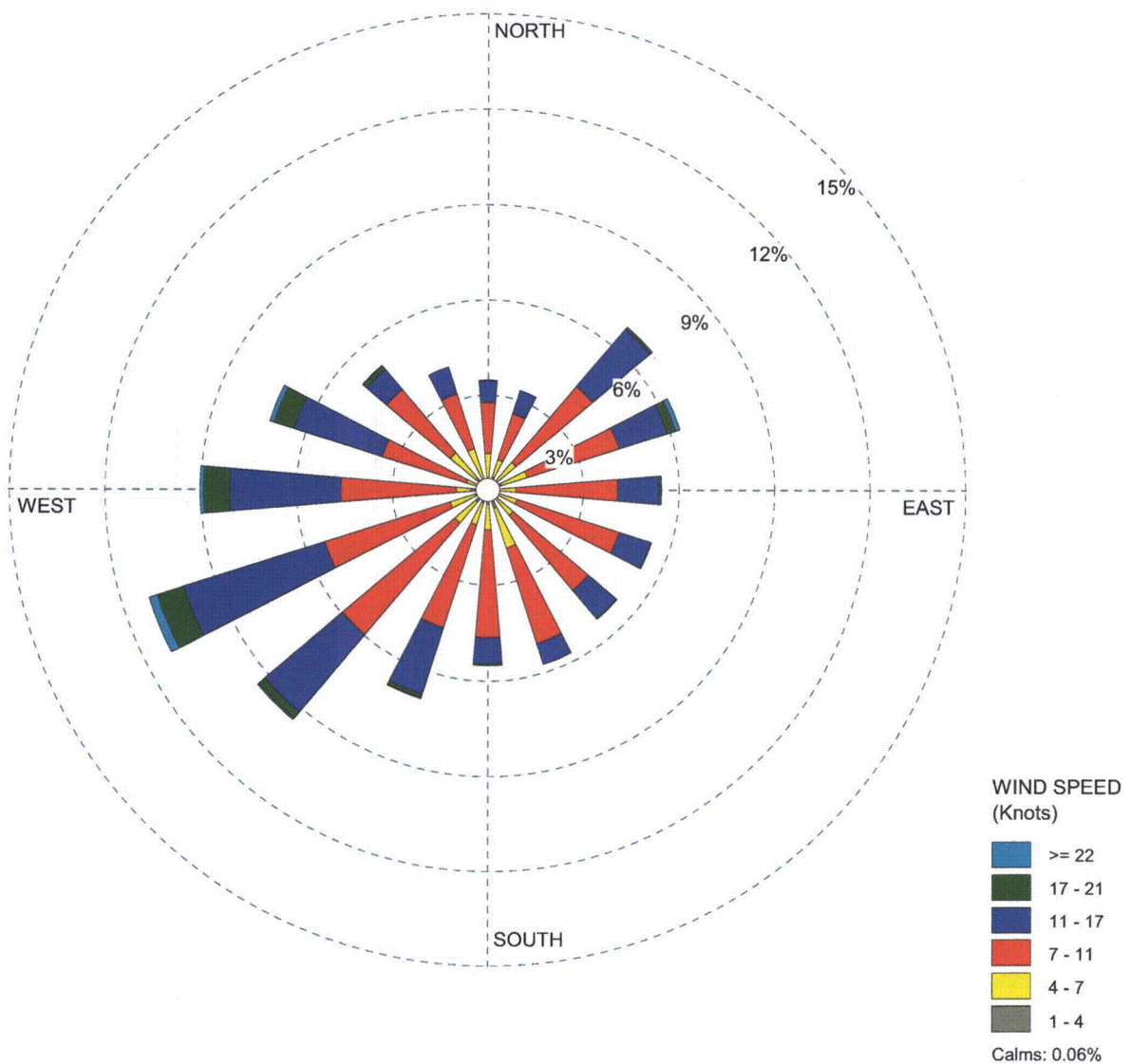


Figure 2.3-13 VEGP 60-m Level March Wind Rose (1998–2002)
(Sheet 3 of 12)

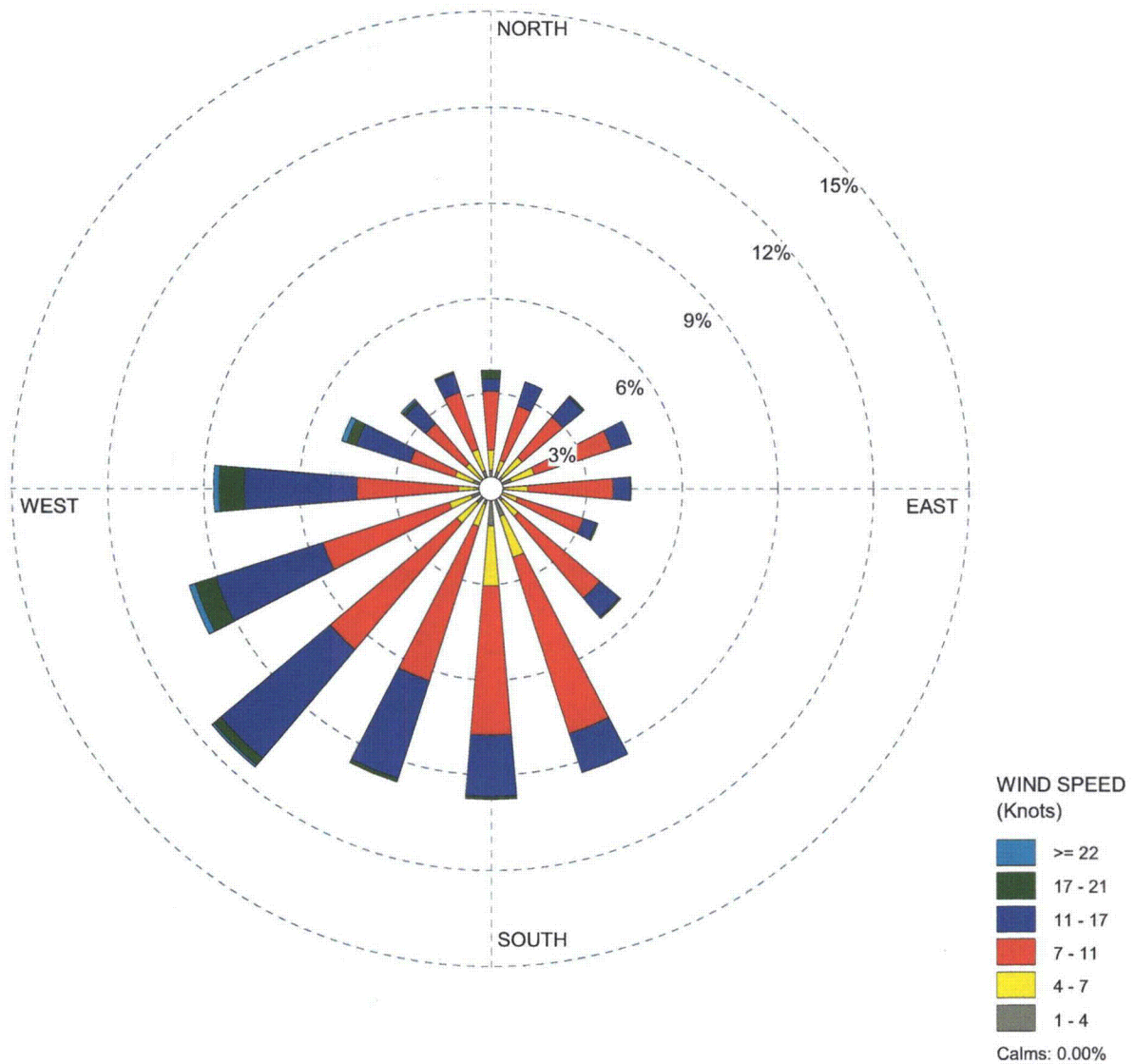


Figure 2.3-13 VEGP 60-m Level April Wind Rose (1998–2002)
(Sheet 4 of 12)

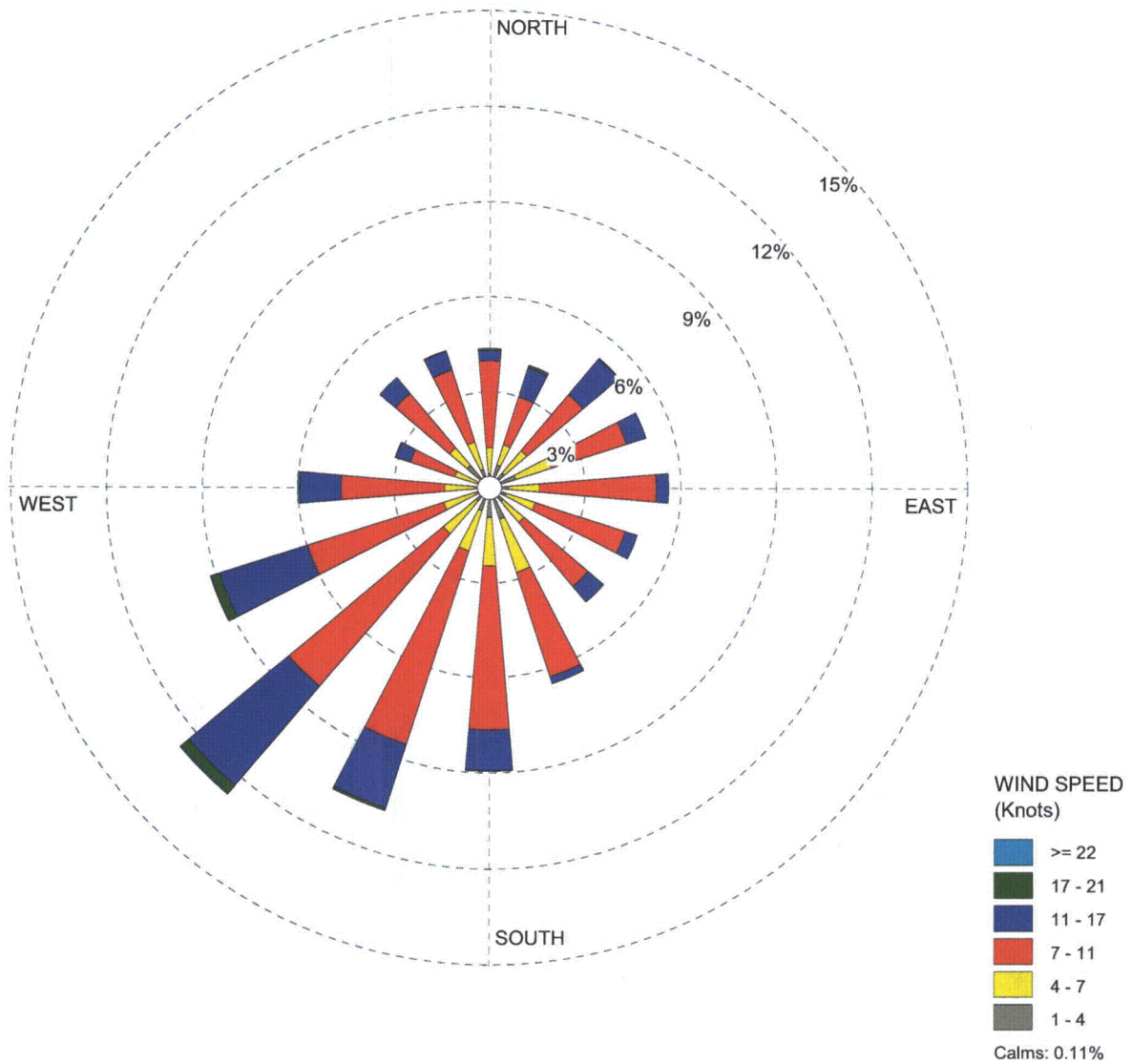


Figure 2.3-13 VEGP 60-m Level May Wind Rose (1998–2002)
(Sheet 5 of 12)

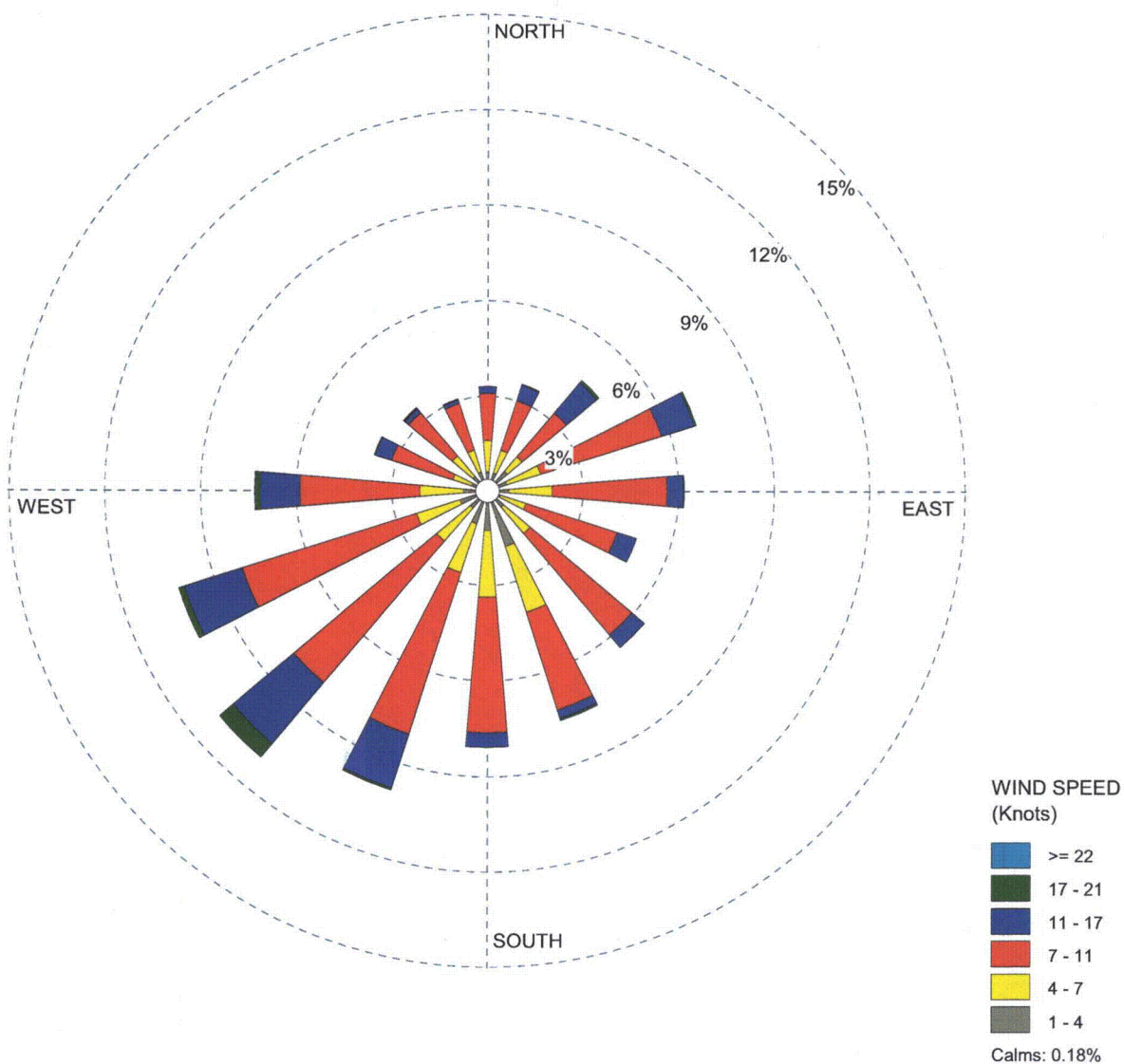


Figure 2.3-13 VEGP 60-m Level June Wind Rose (1998–2002)
(Sheet 6 of 12)

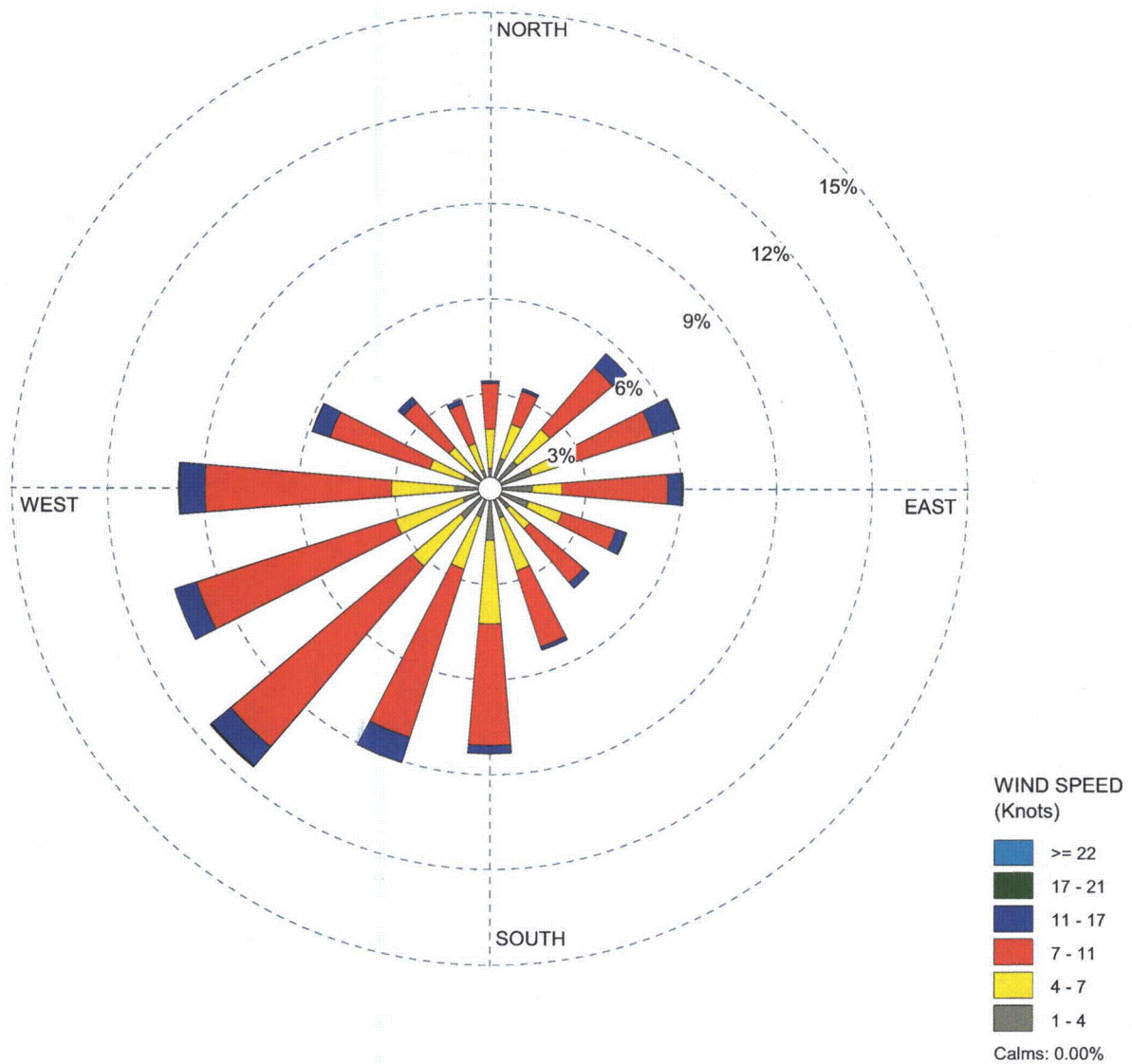


Figure 2.3-13 VEGP 60-m Level July Wind Rose (1998–2002)
(Sheet 7 of 12)

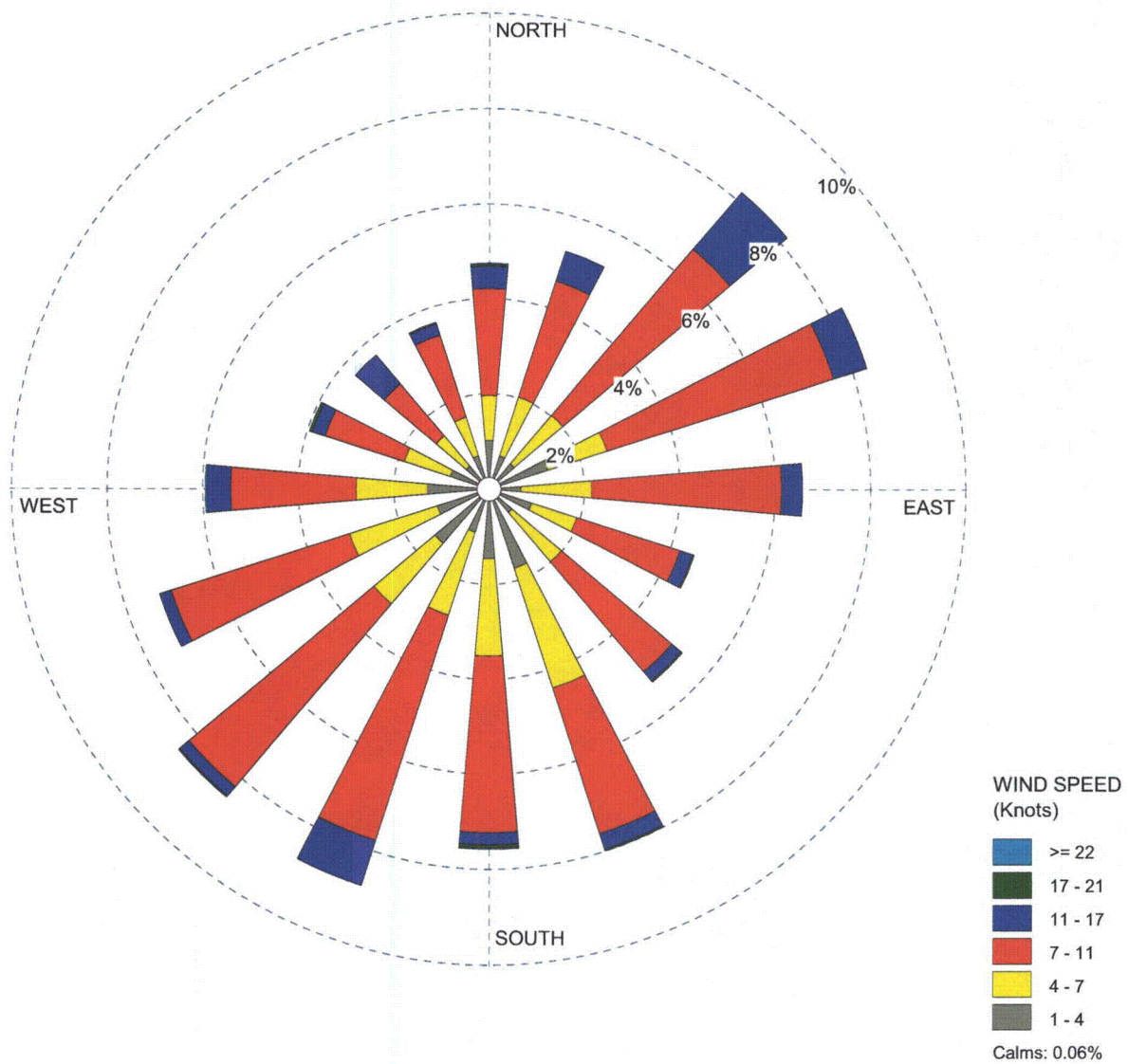


Figure 2.3-13 VEGP 60-m Level August Wind Rose (1998–2002)
(Sheet 8 of 12)

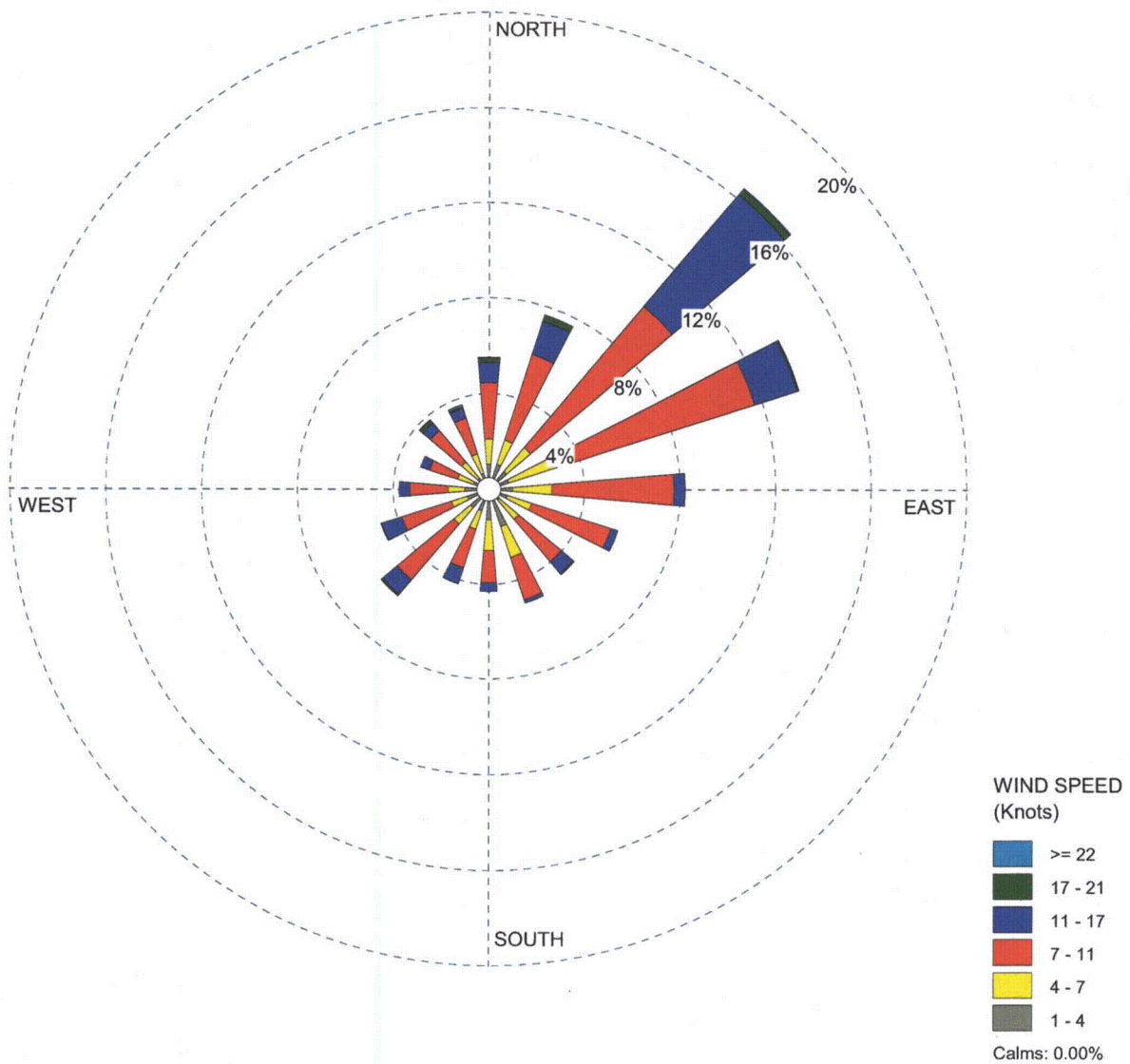


Figure 2.3-13 VEGP 60-m Level September Wind Rose (1998–2002)
(Sheet 9 of 12)

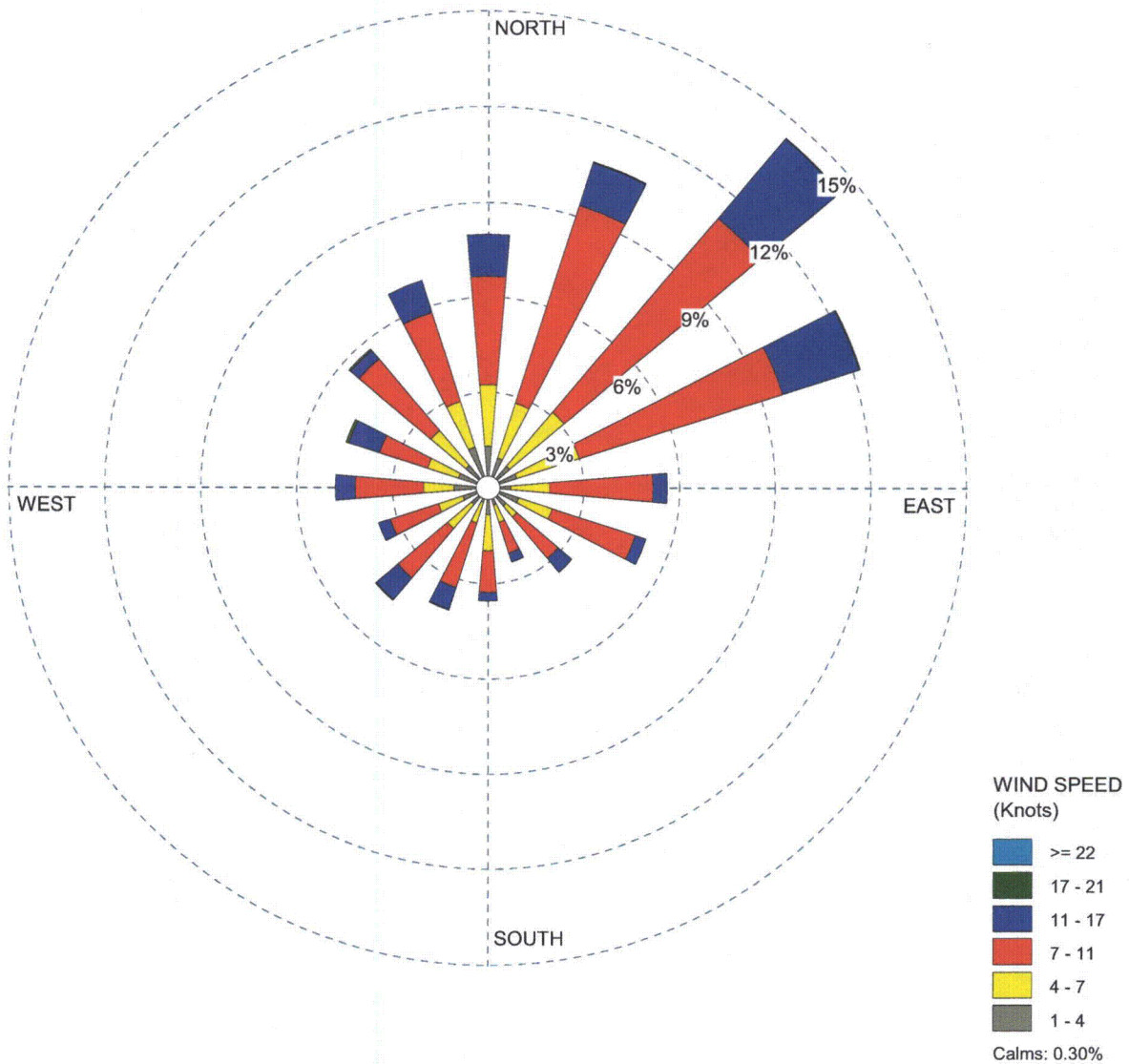


Figure 2.3-13 VEGP 60-m Level October Wind Rose (1998–2002)
(Sheet 10 of 12)

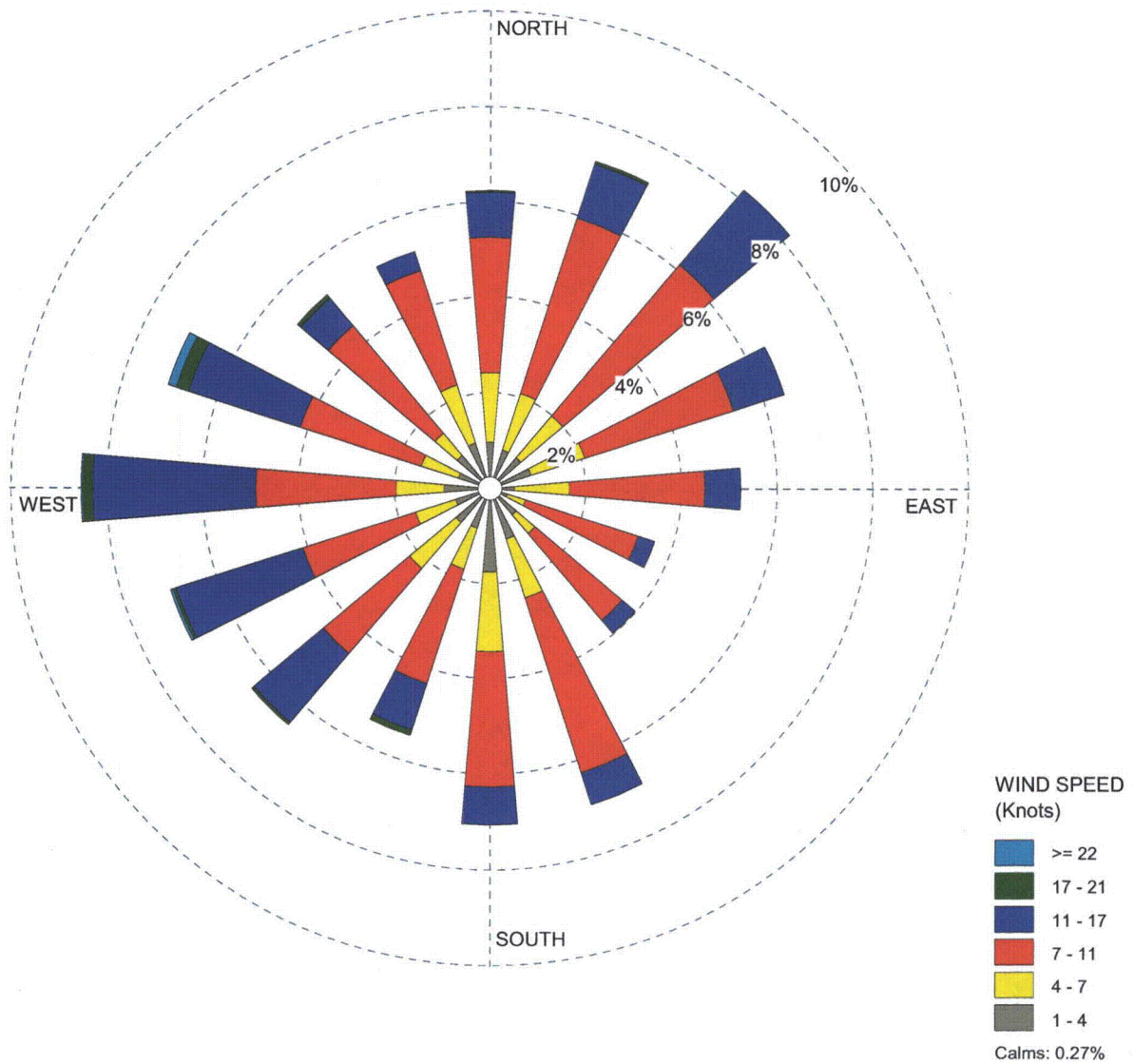


Figure 2.3-13 VEGP 60-m Level November Wind Rose (1998–2002)
(Sheet 11 of 12)

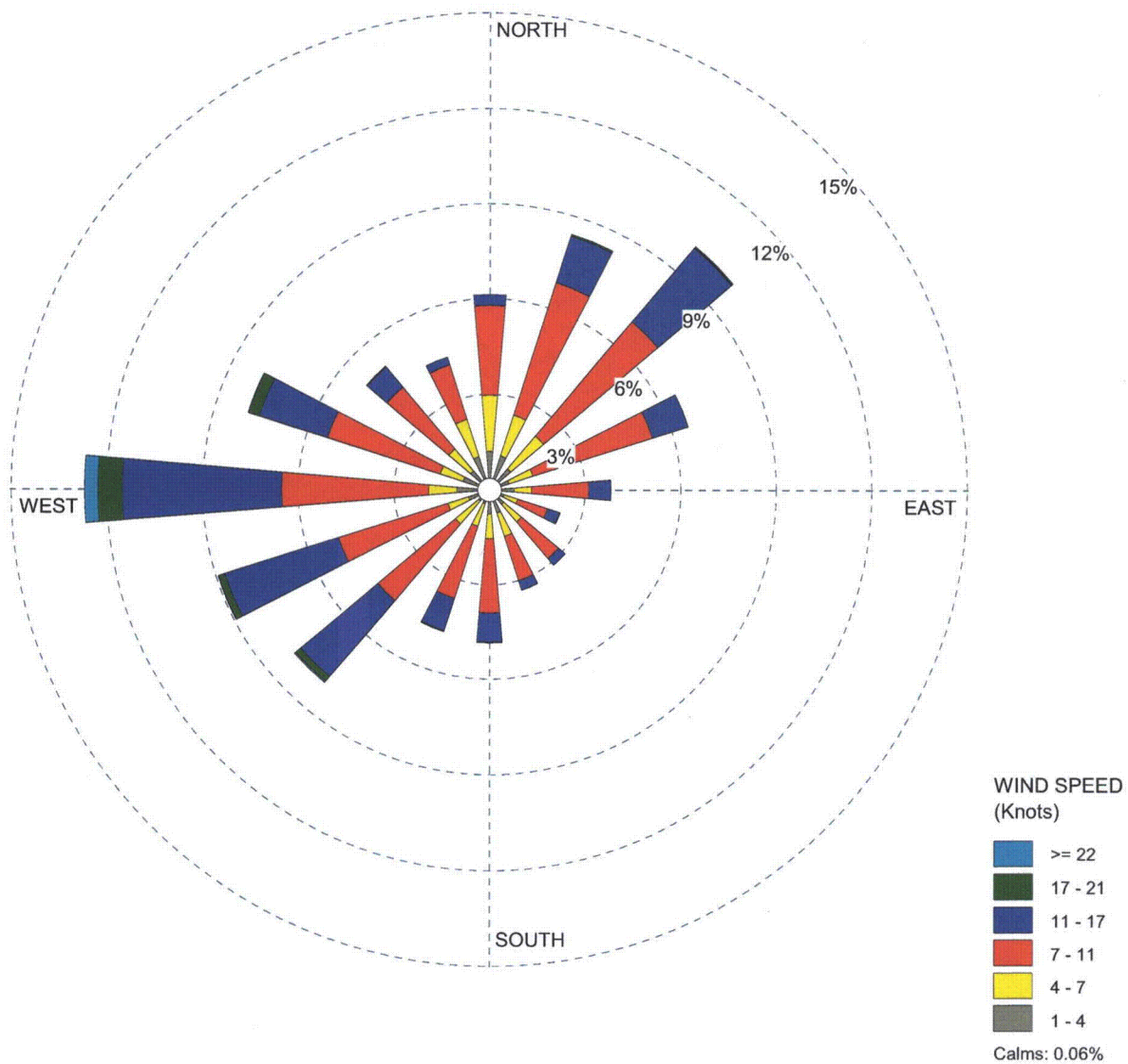


Figure 2.3 -13 VEGP 60-m Level December Wind Rose (1998–2002)
(Sheet 12 of 12)

Southern Nuclear Operating Company

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Enclosure 2

Revised Hourly Onsite Meteorological Data Files

on

CDROM