

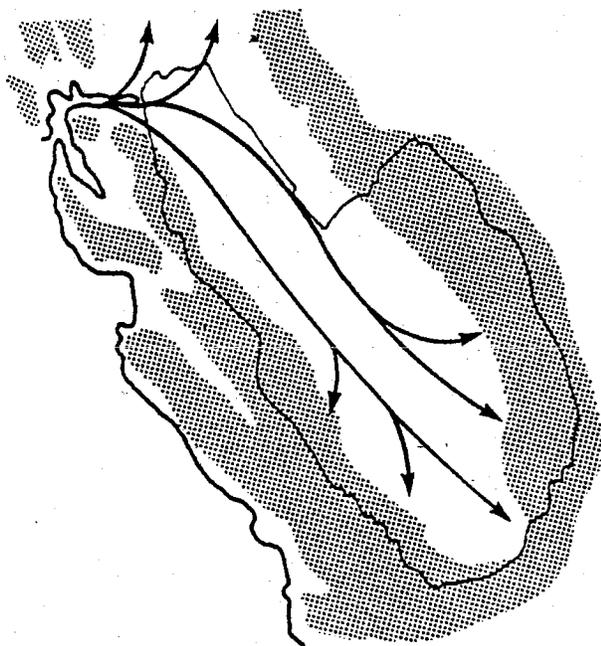
Appendix 8.1-1

Air Flow Pattern Types and Wind Rose Data

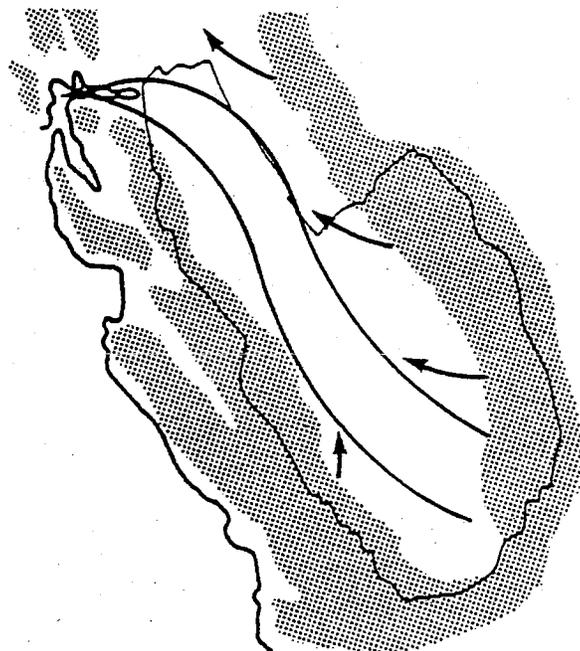
Figure 1

San Joaquin Valley Air Flow Pattern types

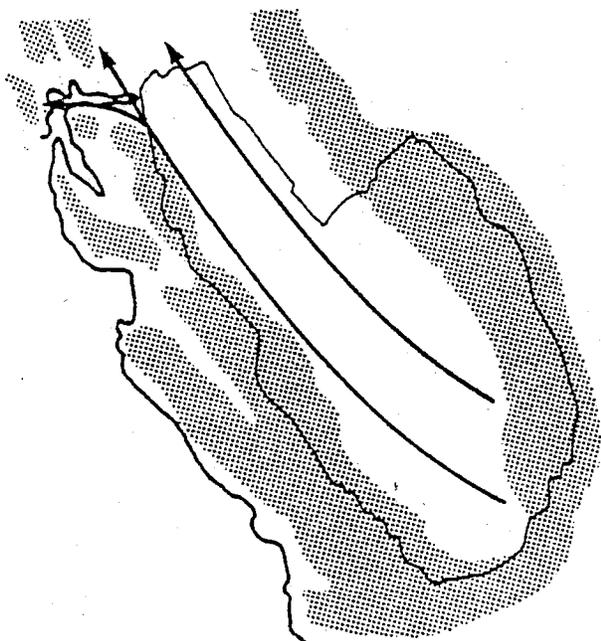
SAN JOAQUIN VALLEY AIR FLOW PATTERN TYPES



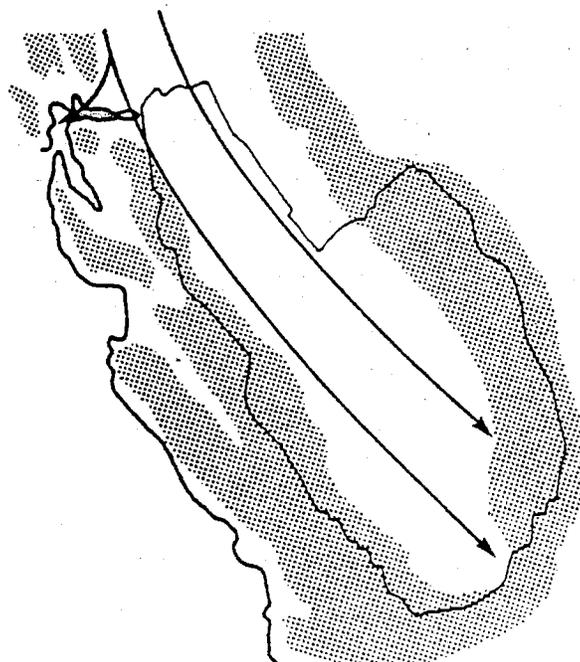
I Upvalley



II Downvalley / Drainage



III Southerly



IV Northerly (No Marine Air)

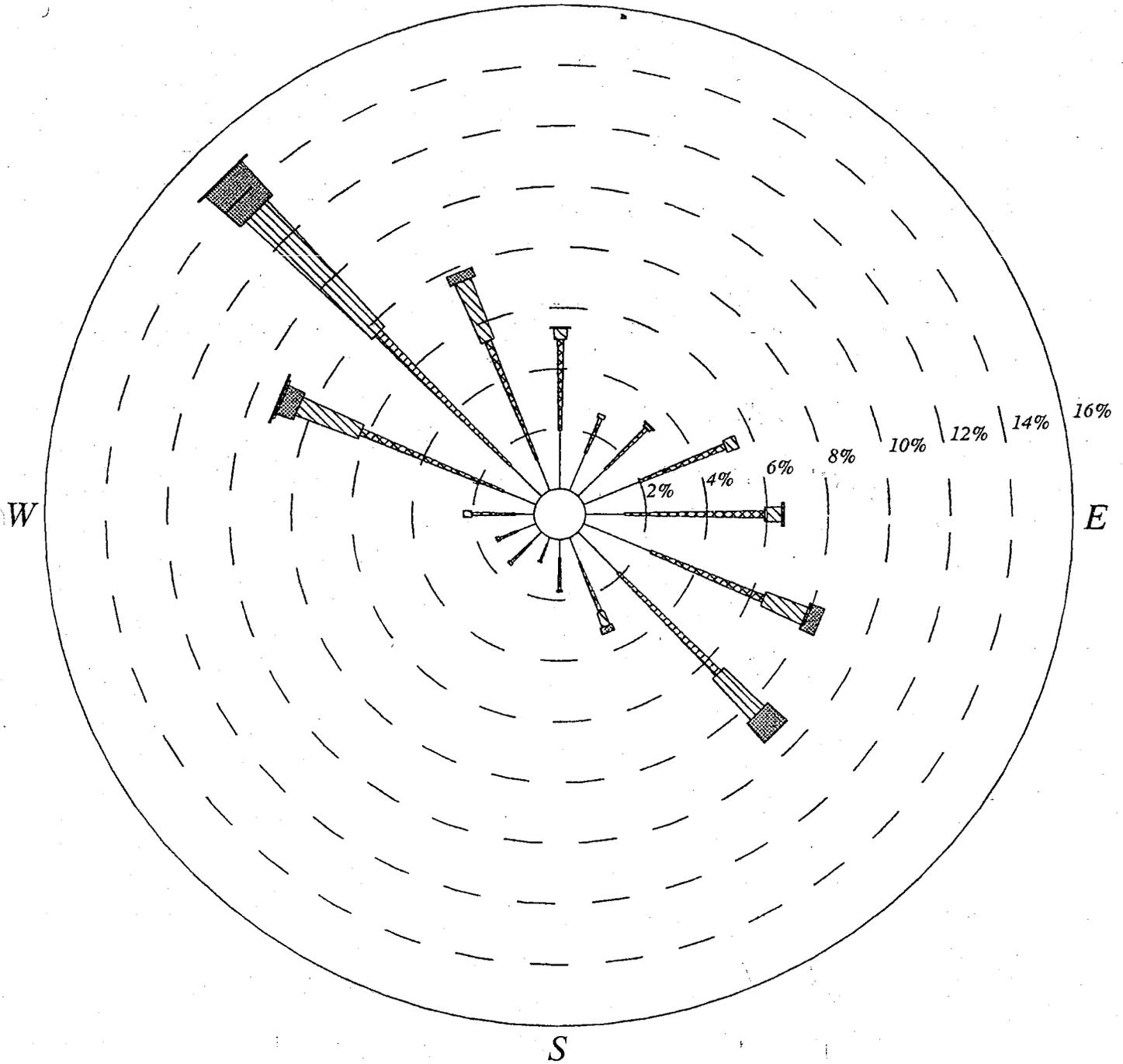
Figures 2 through 6

Quarterly and Annual Windrose Data for Fresno 1989

FRESNO 1989 1ST QUARTER

January 1-March 31; Midnight-11 PM

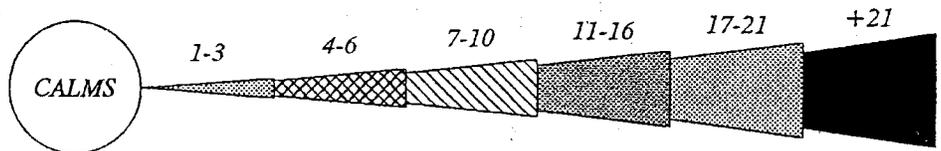
N



CALM WINDS 15.69%

WIND SPEED (KNOTS)

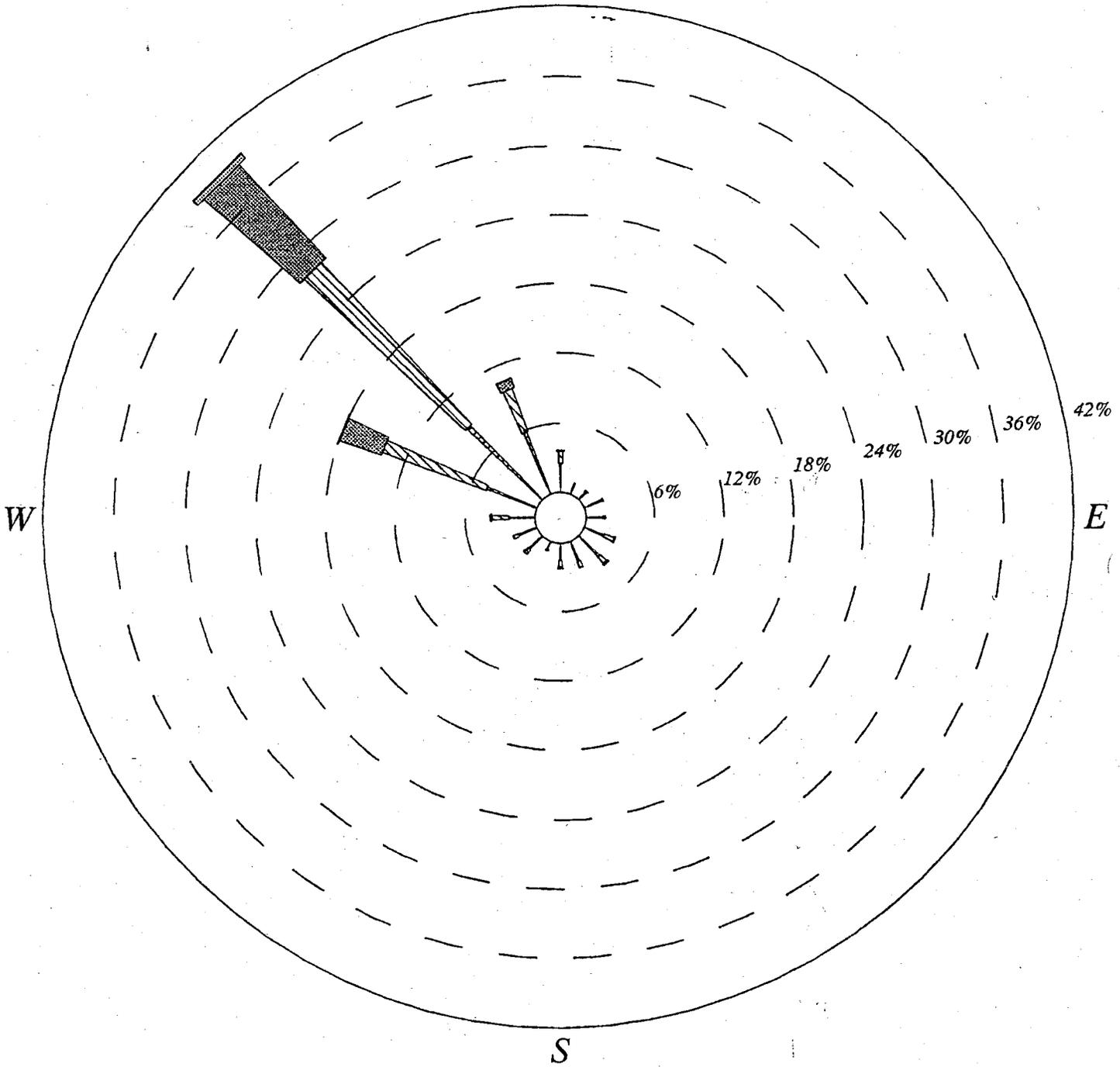
NOTE: Frequencies indicate direction from which the wind is blowing.



FRESNO 1989 2nd QUARTER

April 1-June 30; Midnight-11 PM

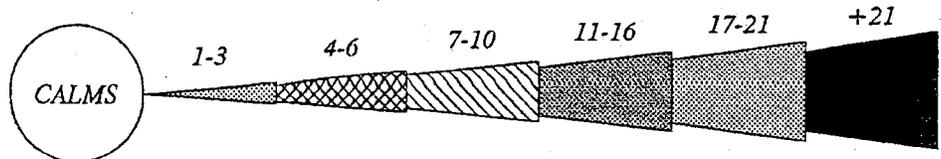
N



CALM WINDS 2.47%

WIND SPEED (KNOTS)

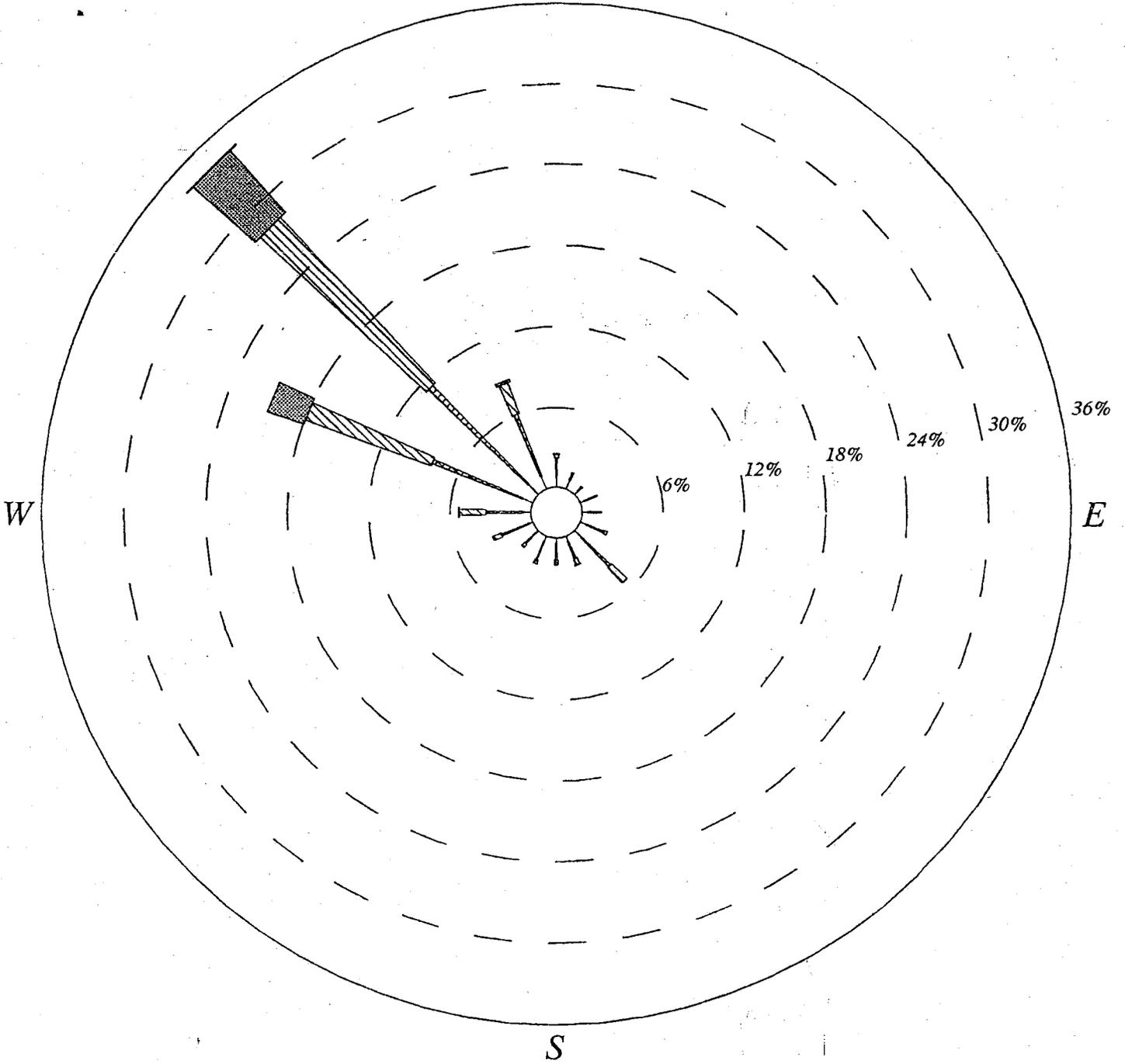
NOTE: Frequencies indicate direction from which the wind is blowing.



FRESNO 1989 3rd QUARTER

July 1-September 30; Midnight-11 PM

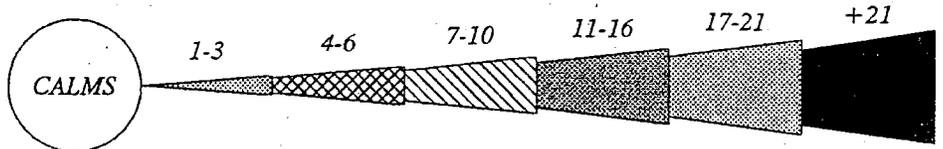
N



CALM WINDS 4.57%

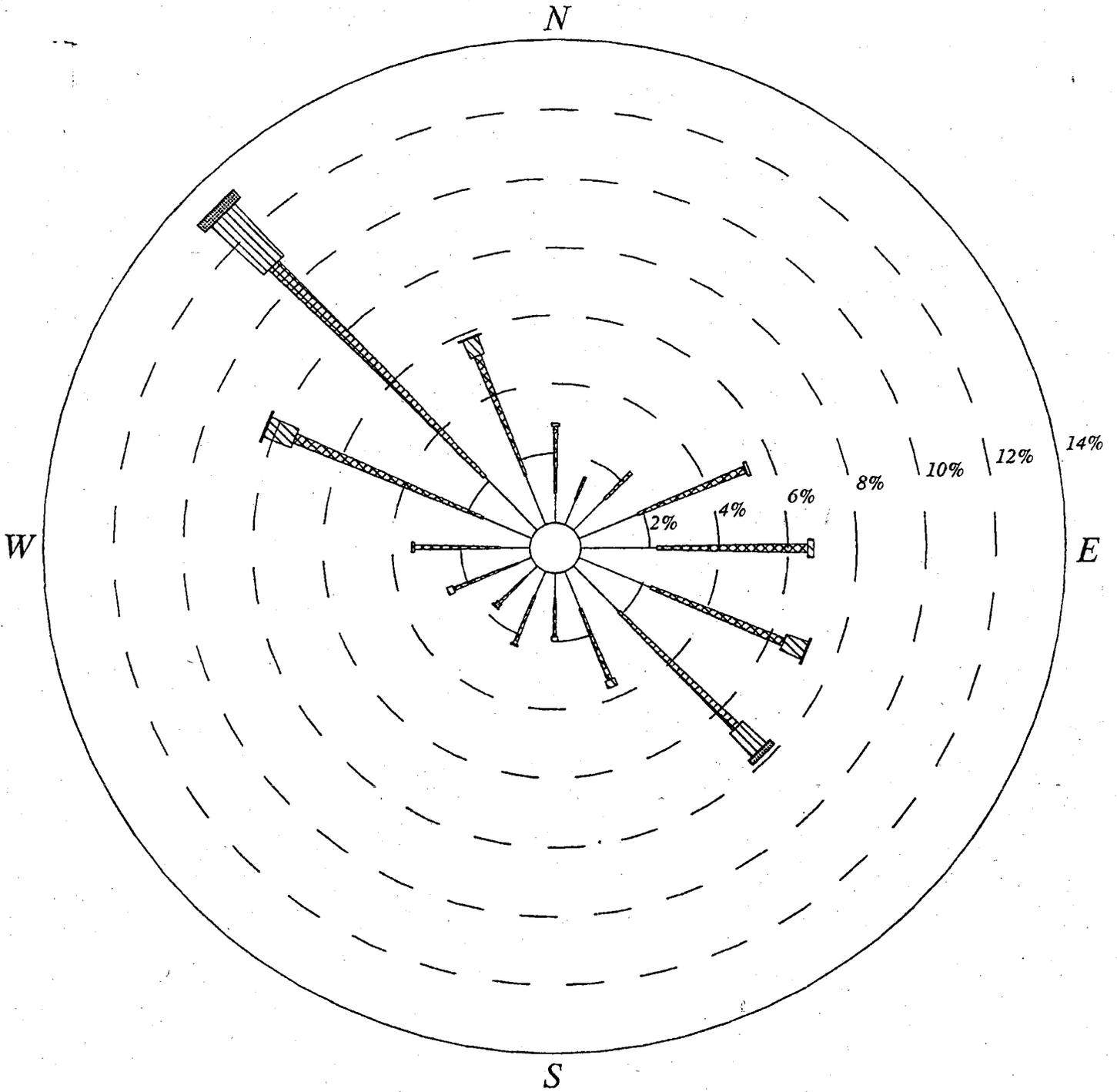
WIND SPEED (KNOTS)

NOTE: Frequencies indicate direction from which the wind is blowing.



FRESNO 1989 4th QUARTER

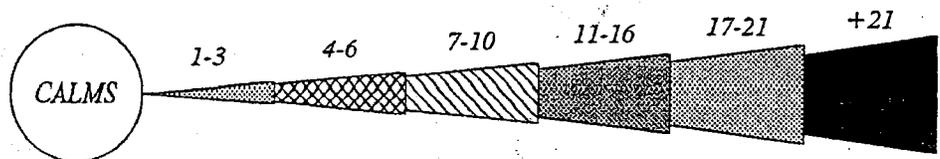
October 1-December 31; Midnight-11 PM



CALM WINDS 23.05%

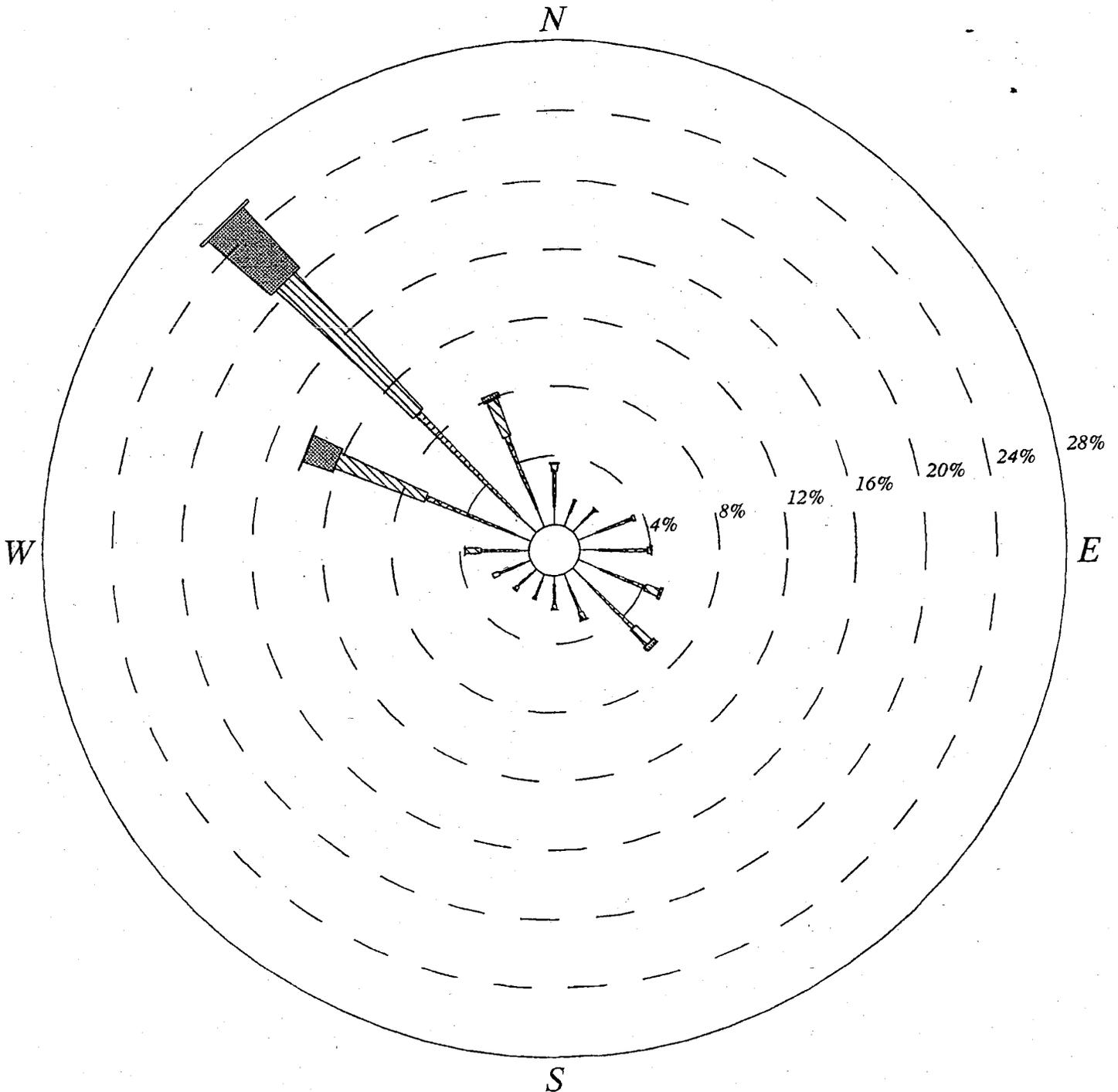
WIND SPEED (KNOTS)

NOTE: Frequencies indicate direction from which the wind is blowing.



FRESNO 1989

January 1-December 31; Midnight-11 PM



CALM WINDS 11.45%

WIND-SPEED (KNOTS)

NOTE: Frequencies indicate direction from which the wind is blowing.

