

DER



6.9 Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the Wye Barricade Station

6.10 Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the 100-N Area Station

6.11 Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the

PNL--7471

DE91 000380

CLIMATOLOGICAL SUMMARY OF WIND AND
TEMPERATURE DATA FOR THE HANFORD
METEOROLOGY MONITORING NETWORK

C. S. Glantz
M. N. Schwartz
K. W. Burk
R. B. Kasper
M. W. Ligothke
P. J. Perrault

September 1990

Prepared for
U.S. Department of Energy
under Contract DE-AC06-76RLO 1830

Pacific Northwest Laboratory
Richland, Washington 99352

MASTER
DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

pe

PREFACE

In this document, "English" units (e.g., mph and °F) are used when presenting information on monitoring station locations and meteorological parameters. In the text, metric equivalents (e.g., m/s and °C) are provided in parentheses following an English unit value. In the tables, wind and temperature data are provided in English units only; however, sand drift potentials are provided in the standard metric units for this parameter. The decision to use English units for most parameters was based on several factors. First, measurements made by the Hanford Meteorology Monitoring Network are recorded and stored in English units. Second, climatological data published in previous Hanford climatological studies are given in English units. Finally, most users of this document will be more familiar with meteorological parameters in English units than with their metric equivalents. For example, most users of this document will more readily perceive the power of a 36-mph wind or the oppressive heat of a 105-°F air temperature than their metric equivalents (a 16-m/s wind or 41-°C temperature, respectively).

Some useful conversions between English units and metric equivalents:

1 foot = 0.3048 meter

1 mile per hour = 0.447 meters/second

1 mile = 1.609 kilometer

$X \text{ } ^\circ\text{F} = (9/5 \cdot Y \text{ } ^\circ\text{C}) + 32$

SUMMARY

This document presents climatological summaries of wind and temperature data collected at the twenty-five monitoring stations operated by the Hanford Meteorology Monitoring Network. The climatological analyses presented here involve hourly averaged wind data collected over an 8-year period beginning in 1982 (fewer wind data are available for the several monitoring stations that began full-time operation after 1982) and hourly averaged air temperature data collected over a 2-year period beginning in mid-1988. Specifically, the climatological summaries consist of

- tables presenting frequency distributions of wind direction and wind speed for each monitoring station. Separate frequency distributions are presented using all available data and for each season.
- figures that display the directional frequency of the wind at each monitoring station. These "wind roses" are presented using all available data, for each season, and as a function of the season and time of day.
- tables presenting the joint frequency distribution of atmospheric stability, wind direction, and wind speed for each monitoring station. Separate joint frequency distributions are presented using two different methods for computing atmospheric stability: the U.S. Nuclear Regulatory Commission's (NRC) ΔT method and a modified Pasquill method.
- tables presenting the average sand drift potential for selected monitoring stations. For each station, the components of the sand drift potentials that are contributed by each combination of wind direction and wind speed classes are presented. A resultant sand drift potential (a vector product) is also presented. Sand drift potentials are presented using all available data and for each season.
- figures display the sand drift potential as a function of the wind direction at selected monitoring station. These "sand roses" are presented using all available data, for each season, and as a function of the season and time of day.
- tables presenting hourly average temperatures for each monitoring station. Averages are presented using all available data, for each season, and as a function of the season and time of day.

The tables and figures presented in this document illustrate the spatial and temporal variation of meteorological parameters across the Hanford Site

ACKNOWLEDGMENTS

The authors would like to thank Hanford meteorologists O. Gifford, D. Newland, G. Reinecke, and E. Preston for support and assistance in compiling this document. D. Hoytink provided guidance to the authors during the preparation of this document. The authors are also indebted to L. Fryer and D. Sharp for providing clerical support during the preparation of this document, and to E. Owczarski for many hours spent editing this document.

CONTENTS

PREFACE	iii
SUMMARY	v
ACKNOWLEDGMENTS	vii
1.0 INTRODUCTION	1.1
2.0 LOCATION AND CLIMATE OF THE HANFORD SITE	2.1
3.0 METEOROLOGICAL MONITORING SITES	3.1
3.1 PROSSER BARRICADE MONITORING SITE (PROS - SITE 1)	3.1
3.2 EMERGENCY OPERATIONS CENTER MONITORING SITE (EOC - SITE 2)	3.1
3.3 ARMY LOOP ROAD MONITORING SITE (ARMY - SITE 3)	3.2
3.4 RATTLESNAKE SPRINGS MONITORING SITE (RSPG - SITE 4)	3.2
3.5 EDNA MONITORING SITE (EDNA - SITE 5)	3.2
3.6 200 EAST MONITORING SITE (200E - SITE 6)	3.3
3.7 200 WEST MONITORING SITE (200W - SITE 7)	3.3
3.8 WAHLUKE MONITORING SITE (WAHL - SITE 8)	3.3
3.9 FAST FLUX TEST FACILITY MONITORING SITE (FFTF - SITE 9)	3.4
3.10 YAKIMA BARRICADE MONITORING SITE (YAKB - SITE 10)	3.4
3.11 300 AREA MONITORING SITE (300A - SITE 11)	3.5
3.12 WYE BARRICADE MONITORING SITE (WYEB - SITE 12)	3.5
3.13 100-N MONITORING SITE (100A - SITE 13)	3.6
3.14 WNP-2 MONITORING SITE (WPPS - SITE 14)	3.6
3.15 FRANKLIN COUNTY MONITORING SITE (FRNK - SITE 15)	3.7
3.16 GABLE MOUNTAIN MONITORING SITE (GABL - SITE 16)	3.7
3.17 RINGOLD MONITORING SITE (RING - SITE 17)	3.7
3.18 RICHLAND AIRPORT MONITORING SITE (RICH - SITE 18)	3.8

3.19	SAGEHILL MONITORING SITE (SAGE - SITE 19)	3.8
3.20	RATTLESNAKE MOUNTAIN MONITORING SITE (RMTN - SITE 20)	3.9
3.21	THE HANFORD METEOROLOGY STATION (HMS - SITE 21)	3.9
3.22	PASCO AIRPORT MONITORING SITE (PASC - SITE 22)	3.10
3.23	100-F MONITORING SITE (100F - SITE 23)	3.10
3.24	GABLE WEST MONITORING SITE (GABW - SITE 24)	3.10
3.25	VERNITA BRIDGE MONITORING SITE (VERN - SITE 25)	3.11
4.0	THE CLIMATOLOGICAL DATA BASE FOR THE MONITORING STATIONS	4.1
4.1	WIND DATA	4.1
4.2	TEMPERATURE DATA	4.2
5.0	FREQUENCY DISTRIBUTIONS OF WIND DIRECTION AND WIND SPEED	5.1
6.0	JOINT FREQUENCY DISTRIBUTIONS OF ATMOSPHERIC STABILITY, WIND DIRECTION, AND WIND SPEED	6.1
7.0	SAND DRIFT POTENTIAL	7.1
8.0	AVERAGE AIR TEMPERATURES	8.1
9.0	REFERENCES	9.1

FIGURES

1.1	A Map of the Hanford Site and Surrounding Areas	1.2
2.1	A Map of the Terrain of the Hanford Site and Surrounding Areas	2.2
5.1	Wind Monitoring Stations in the Northern (a) and Southern (b) Portions of the Hanford Site	5.75
5.2	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site Using all Available Data from the Study Period	5.77
5.3	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Winter Season	5.79
5.4	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season	5.81
5.5	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Summer Season	5.83
5.6	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Fall Season	5.85
5.7	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Winter Season--0100 and 0200 PST	5.87
5.8	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Winter Season--0300 and 0400 PST	5.89
5.9	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Winter Season--0500 and 0600 PST	5.91
5.10	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Winter Season--0700 and 0800 PST	5.93
5.11	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Winter Season--0900 and 1000 PST	5.95
5.12	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Winter Season--1100 and 1200 PST	5.97
5.13	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Winter Season--1300 and 1400 PST	5.99
5.14	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Winter Season--1500 and 1600 PST	5.101

5.15	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Winter Season--1700 and 1800 PST	5.103
5.16	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Winter Season--1900 and 2000 PST	5.105
5.17	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Winter Season--2100 and 2200 PST	5.107
5.18	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Winter Season--2300 and 2400 PST	5.109
5.19	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--0100 and 0200 PST	5.111
5.20	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--0300 and 0400 PST	5.113
5.21	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--0500 and 0600 PST	5.115
5.22	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--0700 and 0800 PST	5.117
5.23	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--0900 and 1000 PST	5.119
5.24	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--1100 and 1200 PST	5.121
5.25	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--1300 and 1400 PST	5.123
5.26	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--1500 and 1600 PST	5.125
5.27	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--1700 and 1800 PST	5.127
5.28	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--1900 and 2000 PST	5.129
5.29	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--2100 and 2200 PST	5.131
5.30	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--2300 and 2400 PST	5.133
5.31	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Summer Season--0100 and 0200 PST	5.135

5.32	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Summer Season--0300 and 0400 PST	5.137
5.33	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Summer Season--0500 and 0600 PST	5.139
5.34	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Summer Season--0700 and 0800 PST	5.141
5.35	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Summer Season--0900 and 1000 PST	5.143
5.36	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Summer Season--1100 and 1200 PST	5.145
5.37	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Summer Season--1300 and 1400 PST	5.147
5.38	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Summer Season--1500 and 1600 PST	5.149
5.39	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Summer Season--1700 and 1800 PST	5.151
5.40	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Summer Season--1900 and 2000 PST	5.153
5.41	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Summer Season--2100 and 2200 PST	5.155
5.42	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Summer Season--2300 and 2400 PST	5.157
5.43	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Fall Season--0100 and 0200 PST	5.159
5.44	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Fall Season--0300 and 0400 PST	5.161
5.45	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Fall Season--0500 and 0600 PST	5.163
5.46	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Fall Season--0700 and 0800 PST	5.165
5.47	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Fall Season--0900 and 1000 PST	5.167
5.48	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Fall Season--1100 and 1200 PST	5.169

5.49	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Fall Season--1300 and 1400 PST	5.171
5.50	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Fall Season--1500 and 1600 PST	5.173
5.51	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Fall Season--1700 and 1800 PST	5.175
5.52	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Fall Season--1900 and 2000 PST	5.177
5.53	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Fall Season--2100 and 2200 PST	5.179
5.54	Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Fall Season--2300 and 2400 PST	5.181
7.1	Wind Monitoring Stations on the Hanford Site	7.60
7.2	Sand Roses for the Hanford Site Using all Available Data from the Study Period	7.61
7.3	Sand Roses for the Hanford Site--Winter Season	7.62
7.4	Sand Roses for the Hanford Site--Spring Season	7.63
7.5	Sand Roses for the Hanford Site--Summer Season	7.64
7.6	Sand Roses for the Hanford Site--Fall Season	7.65
7.7	Sand Roses for the Hanford Site--Winter Season--0100 Through 0600 PST	7.66
7.8	Sand Roses for the Hanford Site--Winter Season--0700 Through 1200 PST	7.67
7.9	Sand Roses for the Hanford Site--Winter Season--1300 Through 1800 PST	7.68
7.10	Sand Roses for the Hanford Site--Winter Season--1900 Through 2400 PST	7.69
7.11	Sand Roses for the Hanford Site--Spring Season--0100 Through 0600 PST	7.70
7.12	Sand Roses for the Hanford Site--Spring Season--0700 Through 1200 PST	7.71
7.13	Sand Roses for the Hanford Site--Spring Season--1300 Through 1800 PST	7.72

7.14	Sand Roses for the Hanford Site--Spring Season--1900 Through 2400 PST	7.73
7.15	Sand Roses for the Hanford Site--Summer Season--0100 Through 0600 PST	7.74
7.16	Sand Roses for the Hanford Site--Summer Season--0700 Through 1200 PST	7.75
7.17	Sand Roses for the Hanford Site--Summer Season--1300 Through 1800 PST	7.76
7.18	Sand Roses for the Hanford Site--Summer Season--1900 Through 2400 PST	7.77
7.19	Sand Roses for the Hanford Site--Fall Season--0100 Through 0600 PST	7.78
7.20	Sand Roses for the Hanford Site--Fall Season--0700 Through 1200 PST	7.79
7.21	Sand Roses for the Hanford Site--Fall Season--1300 Through 1800 PST	7.80
7.22	Sand Roses for the Hanford Site--Fall Season--1900 Through 2400 PST	7.81

TABLES

1.1	Identification Numbers, Names, and 4-Character Codes, for Each Hanford Meteorological Monitoring Sites	1.1
5.1	Frequency Distribution of Wind Direction and Wind Speed at Monitoring Sites	5.8
5.2	Frequency Distribution of Wind Direction and Wind Speed at Monitoring Sites--Winter Season	5.21
5.3	Frequency Distribution of Wind Direction and Wind Speed at Monitoring Sites--Spring Season	5.34
5.4	Frequency Distribution of Wind Direction and Wind Speed at Monitoring Sites--Summer Season	5.47
5.5	Frequency Distribution of Wind Direction and Wind Speed at Monitoring Sites--Fall Season	5.60
6.1	Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the Prosser Barricade Station	6.5
6.2	Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the Army Loop Road Station	6.9
6.3	Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the Edna Railroad Crossing	6.13
6.4	Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the 200 East Area Station	6.17
6.5	Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the 200 West Area Station	6.21
6.6	Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the Fast Flux Test Facility Station	6.25
6.7	Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the Yakima Barricade Station	6.29
6.8	Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the 300 Area Station	6.33

6.9	Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the Wye Barricade Station	6.37
6.10	Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the 100-N Area Station	6.41
6.11	Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the WNP-2 Facility Station	6.45
6.12	Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the Hanford Meteorology Station	6.49
6.13	Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the Prosser Barricade Station	6.53
6.14	Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the Army Loop Road Station	6.57
6.15	Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the Edna Railroad Crossing Station	6.61
6.16	Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the 200 East Area Station	6.65
6.17	Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the 200 West Area Station	6.69
6.18	Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the Fast Flux Test Facility Station	6.73
6.19	Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the Yakima Barricade Station	6.77
6.20	Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the 300 Area Station	6.81
6.21	Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the Wye Barricade Station	6.85

6.22	Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the 100-N Area Station	6.89
6.23	Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the WNP-2 Facility Station	6.93
6.24	Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the Hanford Meteorology Station	6.97
7.1	Average Sand Drift Potentials at Monitoring Sites Using all Available Data from the Study Period	7.10
7.2	Average Sand Drift Potentials at Monitoring Sites-- Winter Season	7.20
7.3	Average Sand Drift Potentials at Monitoring Sites-- Spring Season	7.30
7.4	Average Sand Drift Potentials at Monitoring Sites-- Summer Season	7.40
7.5	Average Sand Drift Potentials at Monitoring Sites-- Fall Season	7.50
8.1	Average Temperatures at Monitoring Sites--Annual	8.3
8.2	Average Temperatures at Monitoring Sites--Seasonal	8.4
8.3	Average Temperatures at Monitoring Sites--Season and Time of Day	8.6

1.0 INTRODUCTION

This document presents climatological summaries of wind and temperature data for the Hanford Meteorology Monitoring Program's network of automated monitoring stations. There are currently twenty-five monitoring stations within and near the U.S. Department of Energy's (DOE's) Hanford Site in southcentral Washington State (Table 1.1 and Figure 1.1).

TABLE 1.1. Identification Numbers, Names, and 4-Character Codes, for Each Hanford Meteorological Monitoring Sites

<u>Site Number</u>	<u>Site Name</u>	<u>Site Code</u>
1	Prosser Barricade	PROS
2	Emergency Operations Center	EOC
3	Army Loop Road	ARMY
4	Rattlesnake Springs	RSPG
5	Edna	EDNA
6	200 East	200E
7	200 West	200W
8	Wahluke	WAHL
9	Fast Flux Test Facility	FFTF
10	Yakima Barricade	YAKB
11	300 Area	300A
12	Wye Barricade	WYEB
13	100-N	100N
14	WNP-2	WPPS
15	Franklin County	FRNK
16	Gable Mountain	GABL
17	Ringold	RING
18	Richland	RICH
19	Sagehill	SAGE
20	Rattlesnake Mountain	RMTN
21	Hanford Meteorology Station	HMS
22	Pasco	PASC
23	100-F	100F
24	Gable West	GABW
25	Vernita Bridge	VERN

There are several reasons for the existence of the Hanford Meteorology Monitoring Program. First, detailed, real-time, meteorological data would be needed in the event of a release of hazardous material to the atmosphere from any of the Hanford Site's facilities. These data would be used to model atmospheric dispersion and estimate the environmental impacts of the release.

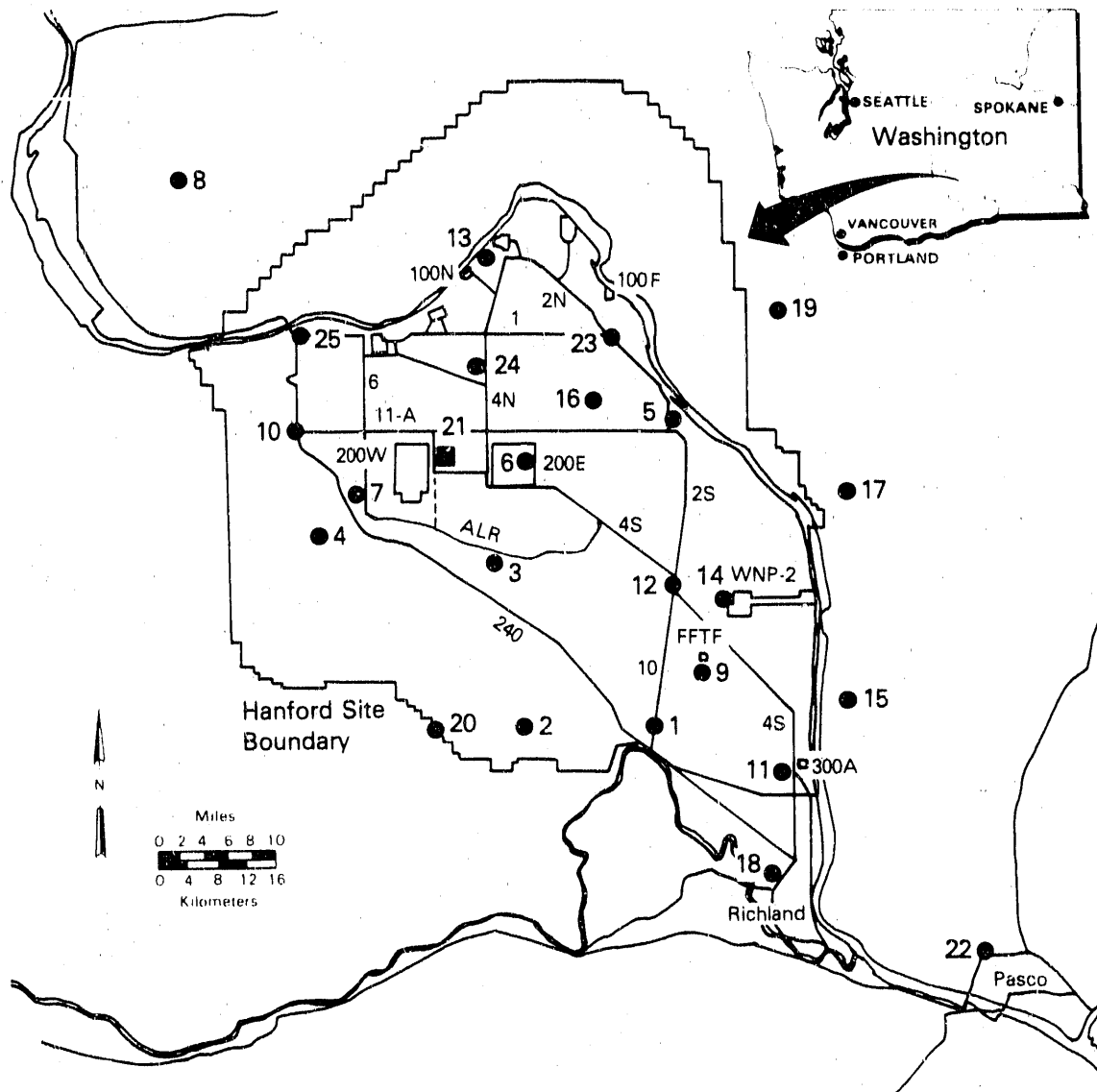


FIGURE 1.1. A Map of the Hanford Site and Surrounding Areas. The location of the Hanford Meteorology Station is indicated by a darkened square. Other meteorological monitoring locations are denoted by darkened circles. Station identification numbers are plotted alongside the symbols (in Table 1.1, names are provided for each of the numbered monitoring locations). Using smaller type, Hanford route numbers are plotted on the map as are "240" for Washington State Highway 240 and "ALR" for Army Loop Road.

Second, meteorological data are needed to expand the Hanford Site's climatological data base. This data base is used in environmental studies, environmental impact reports, facility design, and planning operations. The data base is used not only in meteorological analyses but also in ground-water, surface-water, and ecological studies. Third, meteorological data are used to evaluate atmospheric dispersion conditions for scheduling routine atmospheric releases from Hanford facilities. Fourth, meteorological data are used to evaluate weather conditions and prepare forecasts that are used in scheduling Hanford operations and activities. In summation, data from the Hanford Meteorology Monitoring Program are designed to provide the comprehensive meteorological data required by DOE and its contractors to plan and support Hanford operations.

During the period from 1912 through early 1943, cooperative observers for the U.S. Weather Bureau (now the National Weather Service) recorded information on temperature and precipitation at the Hanford townsite. The U.S. Weather Bureau recorded some meteorological observations in Richland from mid-1943 through mid-1944. In late 1944, the Hanford Meteorology Monitoring Program began with the establishment of the Hanford Meteorology Station. The station and its 410-ft (125-m) instrumented tower are located near the center of Hanford Site, between the 200 West and 200 East Areas (Figure 1.1). Hourly observations of wind direction, wind speed, and air temperature are made at several heights above ground. A variety of other meteorological parameters are also measured or observed at the Hanford Meteorology Station. These parameters include the dew point temperature, relative humidity, precipitation, atmospheric pressure, cloud cover, and visibility. Climatological summaries of data collected at the Hanford Meteorology Station and at the old Hanford townsite and Richland monitoring locations have been published at regular intervals over the past thirty years (Jenne and Kerns 1959, Stone et al. 1972, and Stone et al. 1983).

The climatological summary documents provide a comprehensive description of the climatology of the Hanford Meteorology Station and much of these data are applicable for many locations within the Hanford Site. However, independent observations of winds and other meteorological parameters at a number of locations on the Hanford Site indicated that some meteorological

measurements at the Hanford Meteorology Station were not representative of conditions throughout the site. In particular, winds were observed to exhibit significant variations across the Hanford Site under many meteorological conditions. It became apparent that medium- and local-scale circulations, and local topographical influences, were producing significant differences in wind patterns across the Hanford Site. To address this concern, in the late 1970s the Hanford Meteorology Monitoring Program began to deploy a number of automated monitoring stations at various locations within the Hanford Site and in the surrounding area.

By 1982, twenty-two monitoring stations (including the Hanford Meteorology Station) were fully operational, providing real-time data on near-surface winds across the Hanford region. Currently, there are twenty-five monitoring stations from which hourly averaged measurements of winds and air temperatures are collected and archived. A detailed description of the data collection component of the Hanford Meteorology Monitoring Program was provided by Glantz and Islam (1988).

This document presents climatological summaries of near-surface wind and temperature measurements made at each of the Hanford meteorology monitoring stations. These summaries illustrate how characteristic wind and temperature patterns vary across the Hanford Site. The use of site-specific climatological data in facility planning and environmental impact analyses will provide more accurate assessments of local conditions than will climatological data for the Hanford Meteorology Station.

The comprehensive climatological summaries of wind data that are presented in this document are based on up to 8 years of data collected at Hanford's monitoring stations from 1982 through 1989. Climatological summaries of hourly average air temperature are based on data collected at Hanford's monitoring stations during the 2-year period from mid-1988 through mid-1990. These summaries illustrate characteristic spatial variations across the Hanford region of local winds, atmospheric dispersion characteristics, and sand transport potential. This information is useful for emergency response applications, facility planning, environmental impact analyses, operations scheduling, and research projects.

Climatological summaries are presented both numerically and graphically in this document. Numerical information will be of most use to those requiring data for environmental modeling studies and related applications. Graphical information will be of most use to those who only require qualitative assessments of meteorological conditions or for applications requiring the rapid assessment of climatological conditions (e.g., the generation of meteorological forecasts for routine and emergency response applications).

In Section 2 of this report, the location of the Hanford Site, climate of the region, and a brief history of meteorological monitoring in the Hanford area are discussed. Descriptions of the monitoring sites follow in Section 3, and climatological data for the sites are presented in Section 4. In Section 5, data on the frequency distributions of wind direction and wind speed are presented for each station using all available data, for each season, and as a function of both the season and time of day. In Section 6, joint frequency distributions of atmospheric stability, wind direction, and wind speed are presented for each station. Distributions are presented using two different methods for computing atmospheric stability. In Section 7, data are presented on the potential for sand transport based on local winds. Data summaries are presented for each station using all available data, for each season, and as a function of both the season and time of day. In Section 8, average temperatures are provided for each station using all available data, for each season, and as a function of both the season and time of day.

2.0 LOCATION AND CLIMATE OF THE HANFORD SITE

The Hanford Site is located on approximately 560 mi² (1450 km²) of land in southcentral Washington State (Figure 1.1). A variety of terrain is found on the Hanford Site, including ridge, lower slope, valley, and river (Figure 2.1). Ridge terrain is found in the extreme southwestern and western portions of the Hanford Site; lower slope terrain in the southwestern, western, and northern portions of the Hanford Site; valley terrain in the central and eastern portions of the Hanford Site; and river terrain associated with the Columbia River.

The northern boundary of the Hanford Site lies along the lower slope of the Saddle Mountains. These east-west running mountains rise to an elevation of more than 2000 ft (600 m) above mean sea level. Northwest of the Site, the Columbia River flows south through a gap in the Saddle Mountains. Near Priest Rapids Dam, the river turns toward the east and flows into the northern portion of the Hanford Site. The river flows east and northeast for about 18 mi (29 km) before turning toward the southeast. About 22 mi (35 km) farther downstream, the river turns south and forms the southern half of the eastern boundary of the Hanford Site. The elevation of the terrain to the east of the Hanford Site ranges from 340 ft to 900 ft (100 m to 270 m) above sea level. In places, the bluffs along the eastern shore of the Columbia River rise over 500 ft (150 m) above the surface of the river. In total, the Columbia River drops about 70 ft (20 m) along its path through the Hanford Site, from 400 ft (120 m) above sea level when it enters the Hanford Site to 330 ft (100 m) above sea level as it exits the Hanford Site.

The southwestern border of the Hanford Site is marked by the summit ridge of Rattlesnake Mountain. This mountain dominates the local terrain with an elevation that reaches 3581 ft (1091 m) above sea level. Rattlesnake Mountain and its associated hills extend to the northwest to also form the western border of the Hanford Site.

The climate of the Hanford Site can be classified as mid-latitude semiarid (DOE 1982) or mid-latitude desert depending on the climatological classification scheme being used. Summers are warm and dry with abundant sunshine. Large diurnal temperature variations are common during this season

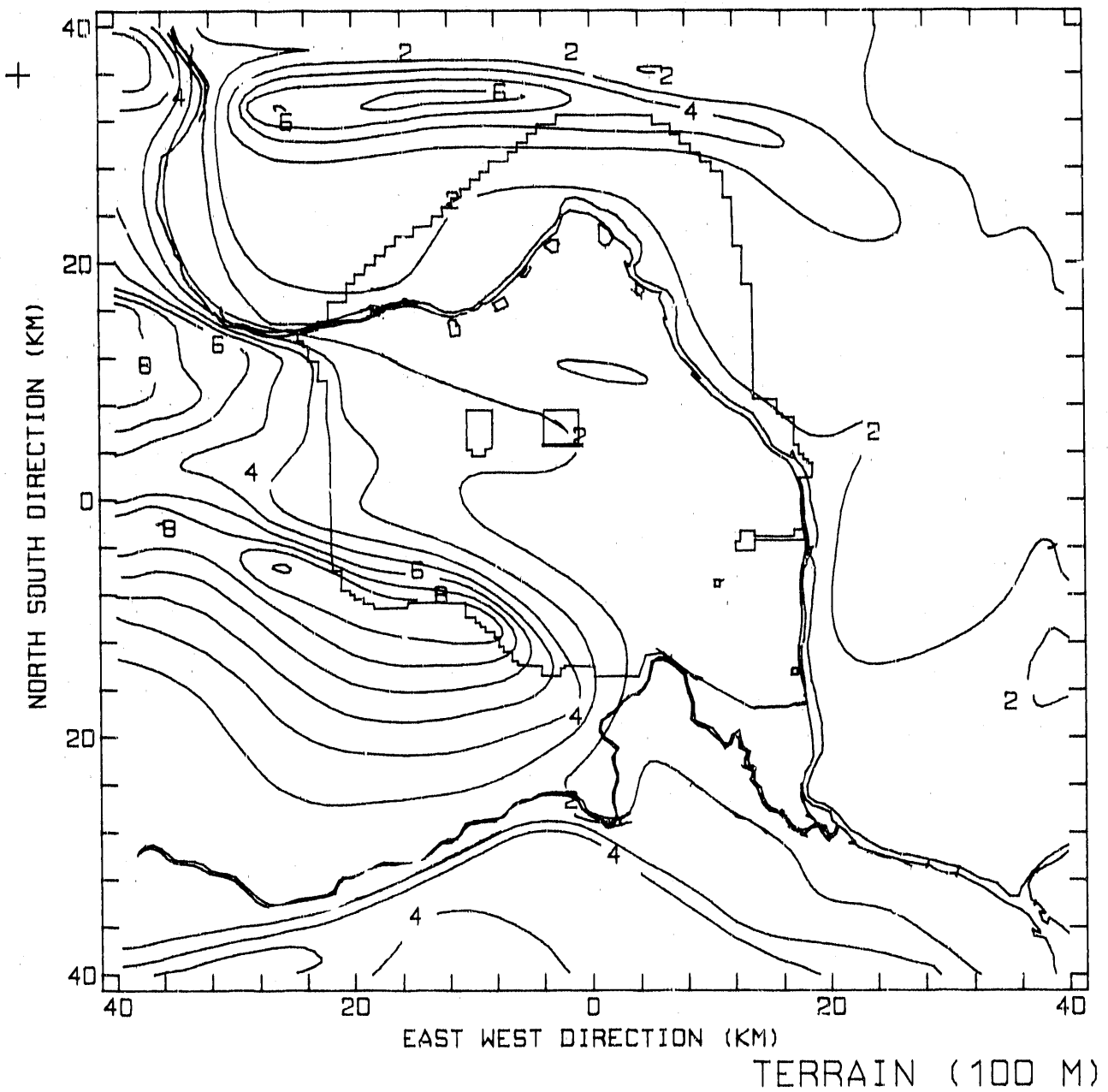


FIGURE 2.1. A Map of the Terrain of the Hanford Site and Surrounding Areas. The contour lines are labeled by single digit numbers that represent elevation above sea level in hundreds of meters. Each contour line represents a change in elevation of 100 m (330 ft).

resulting from intense solar heating and radiational cooling at night. Daytime high temperatures in June, July, and August periodically exceed 100°F (38°C). Winters, on the other hand, are cool with occasional precipitation. Outbreaks of cold air associated with modified arctic air masses can reach the area and cause temperatures to drop below 0°F (-18°C). Overcast skies and fog occur periodically in this season.

Topographic features have a significant impact on the climate of the Hanford Site. All air masses that reach the region undergo some modification resulting from their passage over the complex topography of the Pacific Northwest (DOE 1982). The climate of the region is strongly influenced by the Pacific Ocean and the Cascade Range to the west. The relatively low annual average rainfall of 6.3 in. (16.1 cm) at the Hanford Meteorology Station is, in large part, due to the rain shadow created by the Cascade Range. These mountains limit much of the maritime influence of the Pacific Ocean, resulting in a more continental-type climate than would exist if the mountains were not present. Maritime influences are experienced in the region during the passage of strong storm systems. Maritime air also penetrates into the region through gaps in the Cascade Range (such as the Columbia River Gorge).

The Rocky Mountains to the east and the north are also an important influence on the climate of the region. These mountains play a key role in protecting the region from the more severe winter storms and the extremely low temperatures associated with the modified arctic air masses that move southward through Canada.

Locally, the climate of the Hanford Site is influenced by the Yakima Ridge and the Rattlesnake Hills to the west, the Horse Heaven Hills to the south, the Saddle Mountains to the north, and the Columbia River.

3.0 METEOROLOGICAL MONITORING SITES

Meteorological monitoring by the Hanford Meteorology Monitoring Program is conducted at the Hanford Meteorology Station and at twenty-four other monitoring sites. The locations of the meteorological monitoring sites were depicted in Figure 2.1. The following subsections briefly describe each monitoring site.

3.1 PROSSER BARRICADE MONITORING SITE (PROS - SITE 1)

The Prosser Barricade monitoring site is located near the old Prosser Barricade on Hanford Route 10 (near the southern boundary of the Hanford Site). The Prosser Barricade guardhouse is no longer present on Route 10, but its former location is roughly indicated by a parking area on the west side of road. The site is located to the west of the southern edge of the parking area about 0.9 mi (1.5 km) up the road from Highway 240. The 30-ft instrumented tower is situated on a slight rise (a stabilized sand dune) about 160 ft (50 m) west of parking area. The topography near the Prosser Barricade is composed of low, rolling mounds and stabilized sand dunes. Slightly higher terrain is found to the west, north, and east of the site. The monitoring site is located at 46° 23' 31" N latitude and 119° 24' 40" W longitude. The elevation of the site is 480 ft (146 m) above sea level.

3.2 EMERGENCY OPERATIONS CENTER MONITORING SITE (EOC - SITE 2)

The Emergency Operations Center (EOC) monitoring site is located in the old Ecology Reserve compound within the boundaries of the Arid Lands Ecology Reserve. The compound is on the east slope of Rattlesnake Mountain, downhill and to the east of the Rattlesnake Mountain Observatory. The monitoring site is situated in the northwest corner of the Ecology Reserve compound approximately 300 ft (90 m) from a series of one-story buildings located in this portion of the compound. The elevation of the local topography decreases smoothly to the east-northeast, as the terrain slopes downward from Rattlesnake Mountain with a 5% grade. The monitoring site is at 46° 23' 33" N latitude and 119° 32' 10" W longitude. The elevation of the site is 1240 ft (380 m) above sea level.

3.3 ARMY LOOP ROAD MONITORING SITE (ARMY - SITE 3)

The Army Loop Road monitoring site is located about 4 mi (6 km) south of the 200 East Area and about 1 mi (1.6 km) northeast of Highway 240. The 30-ft tower is positioned 100 ft (30 m) south of Army Loop Road on flat terrain that slopes gradually toward the floor of the Cold Creek Valley to the southwest. The site is at 46° 29' 19" N latitude and 119° 32' 53" W longitude. The elevation of the site is 565 ft (170 m) above sea level.

3.4 RATTLESNAKE SPRINGS MONITORING SITE (RSPG - SITE 4)

The Rattlesnake Springs monitoring site is located east of Highway 240 on the Hanford Site's Arid Land Ecology Reserve. The site is 0.4 mi (0.6 km) east of the eastern edge of the Yakima Ridge and 1.6 mi (2.6 km) southwest of gate 218 on Highway 240. Topography should have a strong influence on the meteorological parameters measured at this site. The site is located about 300 ft (90 m) south of Dry Creek, in a valley that descends from west to east between the Yakima Ridge (to the north) and the Rattlesnake Hills (to the south). The valley is not symmetrical; most of the valley is composed of a 2° slope that descends from the south to meet valley's steep northern slope. Dry Creek runs along the floor of the valley just south of the steep northern slope. Winds and temperatures at the site are impacted by local drainage flows along the valley floor. The site is at 46° 30' 22" N latitude and 119° 41' 56" W longitude. The elevation of the site is 680 ft (207 m) above sea level.

3.5 EDNA MONITORING SITE (EDNA - SITE 5)

The Edna monitoring site is located just east of Highway 2N about 0.7 mi (1.1 km) north of the intersection of Hanford Route 11-A. The site is about 0.5 mi (0.8 km) west of the remains of the Hanford townsite's old school. The name of the monitoring site is taken from the "Edna" railroad crossing, which is located about 0.6 mi (1 km) west of the site. The topography of the area is flat. The site is at 46° 35' 15" N latitude and 119° 23' 50" W longitude. The elevation of the site is 410 ft (125 m) above sea level.

3.6 200 EAST MONITORING SITE (200E - SITE 6)

The 200 East monitoring site is located within the confines of the 200 East Area. The monitoring site is about 0.4 mi (0.7 km) north of the Plutonium Uranium Extraction Plant (Purex) and about 0.25 mi (0.4 km) east of the Critical Mass Laboratory. The topography within the 200 East Area is flat. The impact of 200 East buildings on the winds measured at the monitoring site should be negligible. The site is at 46° 33' 23" N latitude and 119° 31' 14" W longitude. The elevation of the site is 680 ft (205 m) above sea level.

3.7 200 WEST MONITORING SITE (200W - SITE 7)

The 200 West monitoring site is currently located about 400 ft (120 m) west of Hanford Route 6 and 2.4 mi (3.9 km) south of Hanford Route 11-A. The site is several hundred meters outside the 200 West Area fence line. The monitoring site has been at its present location since 1988. From 1985 to 1988, the site was located several hundred meters north-northwest of its current location. The topography near the current and previous location of the monitoring site is level; there is only a 10-ft (3-m) variation in elevation within a mile of the site. Before 1985, the site was located approximately 500 ft (150 m) west of the 242 S Building within the 200 West Area. One reason for the site's removal from this location was the potential for local meteorological interference from nearby buildings and trees. The current location of the site is at 46° 32' 35" N latitude and 119° 39' 41" W longitude. The elevation of the site is 635 ft (195 m) above sea level.

3.8 WAHLUKE MONITORING SITE (WAHL - SITE 8)

The Wahluke monitoring site is northwest of the Hanford Site about 3.8 mi (6.1 km) east of the Mattawa turnoff from Highway 243 and 3 mi (4.8 km) east of the town of Mattawa. The 30-ft tower was erected about 0.1 mi (0.2 km) south of the main road on the south side of a storage building. The site's anemometers are mounted about 7 ft (2 m) above the peak of the building's roof. The temperature sensor is positioned about 2 ft (0.6 m) away from the south wall of the metal building. The topography in the area around the site is flat. The base of the south slope of the Saddle

(60 m) to the east of the tower, a line of trees extends to the north and south. These trees, planted as a wind break for the farm house and supply buildings at the site, are approaching about 50 ft (15 m) in height. Extreme care must be taken when using the data collected from this site. The winds and temperatures measured at this site may frequently be impacted by the large storage building adjacent to the tower and the dense windbreak planted a short distance to the east. The site is at $46^{\circ} 44' 7''$ N latitude and $119^{\circ} 50' 11''$ W longitude at an elevation of 855 ft (260 m) above sea level.

3.9 FAST FLUX TEST FACILITY MONITORING SITE (FFTF - SITE 9)

The Fast Flux Test Facility (FFTF) monitoring site is located about 1000 ft (300 m) south of the FFTF fenceline almost due south of the reactor dome. Measurements at this site are made using a 200-ft instrumented tower. The tower is situated on a large gravel pad on a stabilized sand dune at a slightly higher elevation than the surrounding terrain. The local topography is dominated by a series of low, stabilized sand dunes that are oriented along a southwest-northeast axis. The elevation of the local terrain changes dramatically along a lengthy north-south slope that approaches within 2000 ft (600 m) to the east of the monitoring site. At the bottom of this slope the terrain elevation is more than 100 ft (30 m) lower than at the base of 200-ft tower. The site is at $46^{\circ} 25' 49''$ N latitude and $119^{\circ} 21' 31''$ W longitude. The elevation of the base of the tower is 570 ft (170 m) above sea level.

Winds are measured at three levels on the towers: 30 ft (9 m), 82 ft (25 m), and 200 ft (60 m). Air temperatures are also measured at three levels on the tower: 5 ft (1.5 m), 30 ft (9 m), and 200 ft (60 m). The dew point temperature is also measured at the 5-ft (1.5-m) level. Before 1983, a 30-ft tower was operated at a location about 0.8 mi (1.3 km) to the north-northeast of the 200-ft tower.

3.10 YAKIMA BARRICADE MONITORING SITE (YAKB - SITE 10)

The Yakima Barricade monitoring site is located by the Yakima Barricade guardhouse near the intersection of Hanford Route 11-A and State Highway 240 at the western edge of the Hanford Site. The 30-ft tower is located about 230 ft (70 m) north-northeast of the guardhouse within the boundaries of the

230 ft (70 m) north-northeast of the guardhouse within the boundaries of the Hanford Site. This site is located on the 200 Area Plateau. The southern edge of the plateau is just over 0.6 mi (1 km) south-southeast of the site. Higher terrain is located just over 0.6 mi (1 km) to the west of the site. There are no major topographical features in the immediate vicinity of the site. The monitoring site is at 46° 34' 41" N latitude and 119° 43' 30" W longitude. The elevation of the site is 795 ft (240 m) above sea level.

3.11 300 AREA MONITORING SITE (300A - SITE 11)

The 300 Area monitoring site is located about 1300 ft (400 m) southwest of the southwestern corner of the 300 Area. The site is about 800 ft (250 m) west of Hanford Route 4S (Stevens Drive) and about 500 ft (150 m) west of the railroad tracks that parallel Route 4S. Measurements at this site are made using a 200-ft instrumented tower. The tower is situated on a gravel pad at the top of partially stabilized sand dune. The dune appears to be one of several dunes in the area that are oriented along a southwest-northeast axis. The site is at 46° 21' 50" N latitude and 119° 17' 08" W longitude. The elevation of the base of the tower is 390 ft (120 m) above sea level.

Winds are measured at three levels on the towers: 30 ft (9 m), 82 ft (25 m), and 200 ft (60 m). Air temperatures are also measured at three levels on the tower: 5 ft (1.5 m), 30 ft (9 m), and 200 ft (60 m). The dew point temperature is also measured at the 5-ft (1.5-m) level. Before 1983, meteorological measurements at this site were made on a 30-ft instrumented tower. The old 30-ft tower was located within 100 ft (30 m) of the present tower.

3.12 WYE BARRICADE MONITORING SITE (WYEB - SITE 12)

The Wye Barricade monitoring site is located just west of the Wye Barricade guardhouse on Hanford Route 4S. The 30-ft tower is located about 260 ft (80 m) west of the guardhouse on the top of a stabilized sand dune. Because of its position on top of a sand dune, the base of the 30-ft tower is about 10 to 13 ft (3 to 4 m) above the base of the guardhouse. There are no

significant terrain features in the vicinity of this monitoring site; however, low, stabilized sand dunes characterize the terrain to the southwest of the site. The monitoring site is at 46° 28' 56" N latitude and 119° 23' 34" W longitude. The elevation of the site is 550 ft (170 m) above sea level.

3.13 100-N MONITORING SITE (100A - SITE 13)

The 100-N monitoring site is located between the 100-N and 100-D areas, just over 1300 ft (400 m) to the southwest of the Columbia River. The 100-N monitoring site is closer to the 100-D Area [0.5 mi (0.8 km) from the reactor buildings] than to the 100-N Area [1.5 mi (2.4 km) away]. Measurements at this site are made using a 200-ft instrumented tower. The topography around the 200-ft tower is flat. The site is located at 46° 41' 16" N latitude and 119° 32' 58" W longitude. The elevation of the station is 460 ft (140 m) above sea level.

Winds are measured at three levels on the towers: 30 ft (9 m), 82 ft (25 m), and 200 ft (60 m). Air temperatures are also measured at three levels on the tower: 5 ft (1.5 m), 30 ft (9 m), and 200 ft (60 m). The dew point temperature is also measured at the 5-ft (1.5-m) level. Before 1983, a 30-ft tower was operated at a location much closer to the 100-N Area. This tower was on a rise about 0.3 mi (0.5 km) east of the reactor building, at a point about 500 ft (150 m) northeast of the 100-N Area's main access road.

3.14 WNP-2 MONITORING SITE (WPPS - SITE 14)

The Washington Nuclear Power Plant 2 (WNP-2) monitoring site is located about 0.4 mi (0.6 km) west of the WNP-2 reactor building. The 30-ft tower at this site is located about 120 ft (35 m) west of WNP's 200-ft instrumented tower, which is not part of the Hanford Meteorology Monitoring Network. The topography in the immediate vicinity of the monitoring site is flat, but stabilized sand dunes are located within several hundred feet of the site. The monitoring site is at 46° 28' 12" N latitude and 119° 20' 34" W longitude. The elevation of the site is 450 ft (140 m) above sea level.

3.15 FRANKLIN COUNTY MONITORING SITE (FRNK - SITE 15)

The Franklin County monitoring site is located outside of the Hanford Site on the east side of the Columbia River. The site is located just over 4 mi (6 km) north-northeast of the 300 Area and about 1.2 mi (2 km) east of the Columbia River. The topography near the site is flat, although the elevation of the terrain increases slightly to the west. Rankin Canyon is located about 0.3 mi (0.5 km) to the west of the site, but the steep slope of the canyon's walls cannot be seen from the base of the 30-ft tower. This monitoring site is on a gravel road that runs through an apple orchard. The trees are currently about 9 to 13 ft (3 to 4 m) tall. The trees might have some impact on the meteorological parameters measured on the tower in recent years. This impact should be greatest during the warm season when leaves are on the trees. The monitoring site is at 46° 25' 3" N latitude and 119° 14' 12" W longitude. The elevation of the terrain on the east side of the Columbia River is significantly higher than on the west side of the river; the elevation of the monitoring site is 875 ft (267 m) above sea level.

3.16 GABLE MOUNTAIN MONITORING SITE (GABL - SITE 16)

The Gable Mountain monitoring site is located at the eastern summit of Gable Mountain. The summit is "littered" with various types of towers and power poles. The 30-ft instrumented meteorological tower is located about 30 ft (9 m) to the west of the small [approximately 13 ft by 20 ft (4 m by 6 m)], short [10 ft (3 m)], cinderblock building at the summit. A tall utility-type pole with a diameter of about 2 ft (0.6 m) is located near the southwestern corner of the building. Under some conditions these structures may impact meteorological measurements at this site. The monitoring site is located at 46° 35' 53" N latitude and 119° 27' 36" W longitude. The elevation of the site is 1085 ft (331 m) above sea level.

3.17 RINGOLD MONITORING SITE (RING - SITE 17)

The Ringold monitoring site is outside of the Hanford Site on the east side of the Columbia River. The site is located at the intersection of Rickert Road and Ranger Drive about 2.2 mi (3.5 km) east of the Columbia

River and 2.5 mi (4 km) north-northeast of the Ringold fish hatchery. The local topography increases in elevation to the northeast (up-valley) and northwest (toward the valley rim). To the southwest, a hill in the middle of the valley splits the valley in half before it reaches the Columbia River. There are a few small-scale undulations in terrain height within the valley; however, changes in elevation are so gradual and uniform that the valley floor appears flat. The monitoring site is at 46° 32' 42" N latitude and 119° 14' 13" W longitude. The site is located in a northeast-southwest oriented valley at an elevation of 620 ft (190 m) above sea level. The elevation of the terrain on the northwestern rim of the valley, 0.7 mi (1.2 km) from the site, exceeds 900 ft (270 m) above sea level. The elevation of the terrain on the southeastern rim of the valley, 1.5 mi (2.4 km) from the site, exceeds 850 ft (260 m) above sea level.

3.18 RICHLAND AIRPORT MONITORING SITE (RICH - SITE 18)

The monitoring site at the Richland Airport is on the roof of the old control tower on the south side of the airport. The wind sensors are mounted about 10 ft (3 m) above the roof of the control tower at about 40 ft (12 m) above the ground. Air temperature is measured at a height of 5.5 ft (1.7 m) above the roof of the control tower on a short instrument tower at the northern edge of the roof. The topography of the surrounding area is relatively flat. The site is located at 46° 18' 04" N latitude and 119° 18' 01" W longitude. The elevation of the base of the control tower is 390 ft (120 m) above sea level.

3.19 SAGEHILL MONITORING SITE (SAGE - SITE 19)

The Sagehill monitoring site is outside of the Hanford Site on the east side of the Columbia River. The monitoring site is on Mountain Vista Road, near an electrical substation, at a point about 7 mi (11 km) east of the 100-F reactor. The terrain in the immediate vicinity of the site is flat. The nearest significant change in elevation begins at a point 0.4 mi (0.6 km) north of the site where the north slope of the Sagehill Plateau begins a 200-ft (60-m) descent. The western slope of the Sagehill Plateau begins its

descent about 0.6 mi (1 km) west of the site. There are no significant terrain features within several kilometers to the east or south of the site. The site is at 46° 39' 21" N latitude and 119° 17' 58" W longitude. The site is located on the Sagehill Plateau at an elevation of 990 ft (300 m) above sea level.

3.20 RATTLESNAKE MOUNTAIN MONITORING SITE (RTMN - SITE 20)

The Rattlesnake Mountain monitoring site is located near the Astronomical Observatory on the crest of Rattlesnake Mountain. The monitoring site is about 230 ft (70 m) southeast of the southernmost observatory dome. Instruments at the site are mounted on a 15-ft pole that is sunk into a concrete support platform on the crest of Rattlesnake Mountain. This site is subjected to extreme winds and a much cooler temperature regime than the monitoring sites in the basin to the east. The site is located at 46° 23' 40" N latitude and 119° 24' 40" W longitude. The elevation of the site is 3560 ft (1065 m) above sea level.

3.21 THE HANFORD METEOROLOGY STATION (HMS - SITE 21)

Meteorological monitoring at the Hanford Meteorology Station is conducted on the station's 410-ft instrumented tower and at surface locations. The station is located between the 200 West and 200 East operating areas, about 0.6 mi (1 km) north of the east gate to the 200 West Area and about 300 ft (90 m) east of Hanford Route 3. At this site, wind measurements are made seven heights, ranging from 7 ft (2 m) to 400 ft (122 m) above ground level, using near-surface monitoring equipment and instruments on the 410-ft tower. Similarly, air temperatures are measured at eight heights, ranging from 5 ft (1.5 m) to 400 ft (122 m) above ground level.

In addition to winds and air temperatures, a variety of other meteorological parameters are measured or observed at the Hanford Meteorology Station. These parameters, including dew point, relative humidity, precipitation, atmospheric pressure, cloud cover, and visibility, are also measured at the Hanford Meteorology Station (Glantz and Islam 1988). Winds

aloft are also measured using a Doppler acoustic sounder and twice daily pibal ascents.

3.22 PASCO AIRPORT MONITORING SITE (PASC - SITE 22)

The monitoring site at the Pasco Airport is on the roof of the old control tower on the east side of the airport. The control tower is approximately five stories tall. The wind sensors are mounted at a height of about 5 ft (1.5 m) above the roof of the control tower, roughly 70 ft (20 m) above the ground. Air temperature is measured at a height of 5.5 ft (1.7 m) above the ground on the north side of the control tower building. The topography near the monitoring site is relatively flat; however, large aircraft hangers are located to the south of the control tower. The size and location of these buildings could impact the winds measured on the control tower under some circumstances. The site is located at 46° 15' 48" N latitude and 119° 06' 18" W longitude. The elevation of the base of the control tower is 410 ft (125 m) above sea level.

3.23 100-F MONITORING SITE (100F - SITE 23)

The 100-F monitoring site is located about 1.5 mi (2.4 km) south of the 100-F Area, slightly southwest of the junction of Hanford Route 1 and Hanford Route 2N, and east of the local railroad tracks. The monitoring site is about 1.5 mi (2.4 km) west of the Columbia River. The station tower is situated in an area of relatively flat topography. The site is at 46° 38' 6" N latitude and 119° 27' 4" W longitude. The elevation of the site is 410 ft (125 m) above sea level.

3.24 GABLE WEST MONITORING SITE (GABW - SITE 24)

The Gable West monitoring site is located about 0.4 mi (0.6 km) west of the western edge of Gable Mountain at a point less than 230 ft (70 m) west of Hanford Route 4N. The site is 2.2 mi (3.5 km) north of the intersection of Hanford Route 4N and Route 11-A and about 1.6 mi (2.5 km) south of the intersection of Hanford Route 4N and Route 1. The tower is situated in an area of relatively flat topography, approximately 0.6 mi (1 km) north of the

200 Area Plateau. The site is at 46° 36' 35" N latitude and 119° 33' 23" W longitude. The elevation of the station is 490 ft (150 m) above sea level.

3.25 VERNITA BRIDGE MONITORING SITE (VERN - SITE 25)

The Vernita Bridge monitoring site is located about 0.2 mi (0.3 km) downriver (northeast) from the Vernita Bridge. The site is located about 400 ft (120 m) south of the Columbia River and 50 ft (15 m) west of the abandoned highway that runs north toward the Columbia River from Hanford Route 6. About 80 ft (25 m) north of the tower, the local topography begins a 30-ft descent to the waters of the Columbia River. The terrain south of the monitoring site rises gradually in elevation but appears quite flat. The meteorology at this site should be strongly influenced by the Columbia River and surrounding terrain. The site is at 46° 38' 29" N latitude and 119° 43' 34" W longitude. The elevation of the site is 430 ft (130 m) above sea level.

4.0 THE CLIMATOLOGICAL DATA BASE FOR THE MONITORING STATIONS

In this section, we review the wind and temperature data used in generating the climatological summaries presented in succeeding sections. Information on how these data were collected and processed is also presented. More detailed information on the methods used to collect, process, and store data has been provided by Glantz and Islam (1988). All times presented in this document are Pacific Standard Time (PST).

4.1 WIND DATA

For twenty of the Hanford Meteorological Monitoring Network's twenty-five stations, a full 8 years of near-surface wind data (just under 70,000 hourly data records) were available for analysis. These data cover the period from January 1, 1982, through December 31, 1989. The 200 West, 300 Area, Pasco Airport, 100-F Area, Gable West, and Vernita stations did not operate during the entire 8-year study period. The 200 West and 300 Area stations were out of service for about a year when the 200 West station was moved from its initial location near the southwest corner of the 200 West Separations Area to a location just southwest of the 200 West Area fenceline and when the 30-ft instrumented tower at the 300 Area monitoring station was removed to make room for the construction of the new 200-ft tower.

The Pasco Airport station provided limited data for from 1982 through 1987. During this period, data were obtained from airport control tower reports to the National Weather Service. Data for Pasco were not available during hours when the control tower was not staffed (typically from late evening to early morning). Since the Hanford Meteorology Program established an automated monitoring station at the Pasco airport in early 1988, real-time data have been available on a 24-h basis.

The 100-F and Gable West stations were established in February 1986; slightly under 4 years of wind data were used to generate the climatological summaries for these stations. The Vernita Bridge station first began operation in March 1988; just under 2 years of data were used to generate the climatological summaries for this station.

For each of the twenty-five monitoring stations, approximately 5% of the available data records were not used in our analysis. Data were usually omitted because of missing data codes in the data base for the station. These codes are automatically entered into the data record when equipment malfunctions at the monitoring location (e.g., iced-up sensors, mechanical or electrical problems in sensor equipment), data transmission problems are encountered, or the Hanford Meteorology Station's data processing equipment malfunctions. Some data records (<1% of the total) were omitted because wind conditions were not within instrument measurement thresholds [these were generally associated with winds of less than 0.5 mph (0.2 m/s)].

As a result of the reduced amount of wind data for the 200 West, Pasco Airport, 100-F, Gable West, and Vernita stations, summaries of wind data for these stations may not be as climatologically representative as the distributions presented for the other stations.

Wind measurements are typically made at heights of 30 ft (9.1 m) above the surface using several types of wind sensors. At most stations, counterbalanced, lightweight vanes are used to measure wind direction and three-cup anemometers are used to measure wind speed. These sensors are mounted on a short crossarm that is attached to the tower by a connecting boom. At some sites, a sturdier vane is used to measure wind direction and a four-blade propeller mounted on the vane is used to measure wind speed. Wind directions and speeds are measured every 5 s at the monitoring stations and are processed by the monitoring station's datalogger into 15-min averaged values. After transmission to the Hanford Meteorology Station's computer, wind data are further processed into 1-h averaged values for long-term storage. The 1-h average for the hour 0100 PST represents the vector average of the 15-min averages recorded at 0015, 0030, 0045 and 0100 PST. Similarly the 1-h average for 0200 PST represent the vector average of the 15-min averages recorded at 0115, 0130, 0145 and 0200 PST.

4.2 TEMPERATURE DATA

For each of the monitoring network's twenty-five stations, a full 2 years of near-surface air temperature data (approximately 17,000 hourly data records) were available for analysis. These data cover the period from

August 1, 1988, through July 31, 1990. The temperature data record is much shorter than the wind data record, because the temperature sensors were not installed as part of the original monitoring equipment and the temperature data were not fully integrated into the data archival procedure until 1988.

Air temperature measurements are typically made at heights of 5.5 ft (1.7 m) above the surface using thermistor probes. At the Pasco Airport and Richland Airport monitoring stations, temperatures are measured approximately 5 ft (1.7 m) above the roof of the control tower. The thermistor probes used at all monitoring sites measure the surrounding air temperature from within a naturally or mechanically aspirated housing. This housing shields the sensors from direct and diffuse solar radiation as well as precipitation. Temperature is determined by applying a constant voltage to the sensor and measuring the output voltage from the probe. The output voltage is designed to be directly proportional to the temperature of the air surrounding the sensors.

Air temperatures are measured every 5 s at the monitoring stations and are processed by the monitoring station's datalogger into 15-min averages. After transmission to the Hanford Meteorology Station's computer, temperature data are further processed into 1-h averaged values for long-term storage. Like the wind data, the 1-h average for the hour 0100 PST represents the average of the 15-min average temperatures recorded at 0015, 0030, 0045 and 0100 PST.

5.0 FREQUENCY DISTRIBUTIONS OF WIND DIRECTION AND WIND SPEED

In this section, we present climatological summaries of wind data from each of the Hanford Meteorology Monitoring Network's stations. In Table 5.1, frequency distributions of wind direction and wind speed are presented using all the available data from each station. In Tables 5.2 through 5.5, separate frequency distributions are presented for data collected during the winter, spring, summer, and fall. Winter is defined as the period from the beginning of December through the end of February, spring is defined as the period from the beginning of March through the end of May, summer is defined as the period from the beginning of June through the end of August, and the fall is defined as the period from the beginning of September through the end of November.

In Tables 5.1 through 5.5, the top line of each frequency distribution's heading gives the station identification number and name. The second line gives the name of the season and the time of day being examined. The season category may be "ALL", "WINTER", "SPRING", "SUMMER", or "FALL". The category "ALL" indicates that wind data from throughout the years (independent of the season) were included in the generation of the frequency distribution. The time-of-day category will be "ALL" for all of the frequency distributions presented in the tables. Distinctions based on time of day are presented in the figures discussed below but are not presented in these tables.

The data summary begins on the third line of the tables. In the data summary, the beginning and ending dates for the available data from the indicated station are presented. The total number of hours of data processed for the given frequency distribution is also provided.

The frequency distribution follows the data summary. In the frequency distribution, the frequency of occurrence of each combination of wind direction sector and wind speed class is presented. The sum of the frequency over all direction categories and speed classes equals "1". The total number of hours of processed data (from the data summary) multiplied by any element in the frequency distribution, gives the total number of hours for which that particular combination of wind direction and speed occurred within the data record.

To create the frequency distributions, hourly averaged wind data from the monitoring stations had to be assigned to the appropriate wind direction sector and wind speed class. In the frequency distributions, wind directions are categorized using 16 direction sectors. A wind direction is always given by the direction from which the wind is blowing (e.g., a north wind blows from the north to the south). Hourly wind data from Hanford monitoring stations are reported to the nearest 10° (e.g., winds with directions from 25.00° to 34.99° are recorded with a direction of 30°). If all the data for each recorded 10° wind direction are assigned to the direction sector that encompasses that wind direction, inequities will develop within the frequency distribution. The potential problem is that some of the 16 direction sectors would receive data from only 2 reporting directions and other sectors would receive data from 3 direction sectors. For example, the east-northeast sector ($>56.25^\circ$ to $\leq 78.75^\circ$) would receive data reported with directions of 60 and 70° while the east sector ($>78.75^\circ$ to $\leq 101.25^\circ$) would receive data reported with directions of 80 , 90 , and 100° .

To reduce this inequity, we applied the following correction scheme to the data during the generation of frequency distributions. It is assumed that the winds reported as having a particular wind direction are actually uniformly distributed throughout the 10° angular range covered by that wind direction (e.g., winds with a reported direction of 30° represented a uniform distribution of winds with directions between 25.0° to 34.9°). When a portion of the 10° angular range of a wind direction falls within 2 wind direction sectors, we distribute the wind data between the 2 sectors. The amount of data distributed between the 2 sectors is proportional to the percentage of the 10° angular range of the reported wind direction that falls within their sector. For example, assume that we have 10,000 instances of winds reported as having a direction of 30° . If we assumed that these winds had directions that were uniformly distributed between 25.00° and 34.99° , we would have 10 instances of a wind with a direction of 25.01° , another 10 instances of a wind with a direction of 25.02° , another 10 instances of a wind with a direction of 25.03° , and so on through 10 instances of a wind with a direction of 34.99° . If our dividing line between the north-northeast and northeast sectors occurred at 33.75° , approximately 87.5% of the 10,000

instances of winds with a 30° reporting direction would be assigned to the north-northeast sector ($>11.25^\circ$ to $\leq 33.75^\circ$) and 12.5% would be assigned to the northeast sector ($>33.75^\circ$ to $\leq 56.25^\circ$). By processing all our wind data in the manner described above, the inequity that would result between the direct assignment of wind data to the 16 sector categories was reduced.

In the frequency distributions, wind speeds are assigned to eight wind speed classes. Winds with speeds of less than 0.5 mph are not recorded (these account for less than 1% of all observed winds), because at such low wind speeds a definitive wind direction cannot be identified. Winds with speeds of greater than 38 mph are reported in a single speed class.

In Figure 5.1, we present a background map of the Hanford Site with station locations marked. The map is divided into two parts that are displayed on facing pages. The first part represents the northern section of the Hanford Site and the second part the southern section of the site. The parts of the map are placed on the pages so that when they are viewed together there is no east-west offset between the maps. The areas shown in the two parts overlap to some extent to assist the reader in identifying key Hanford locations; however, stations that are located in the overlap region are only displayed on one part of the map.

In Figures 5.2 through 5.54, wind roses are plotted for each Hanford monitoring station on the north and south background maps of the Hanford Site. Figure 5.2 displays wind roses created using all available data from the study period, Figures 5.3 through 5.6 display wind roses for each of the seasons, and Figures 5.7 through 5.54 display wind roses as a function of both the season and time of day. Twelve time-of-day categories, each containing 2 h of hourly averaged data for each day are used (i.e., hourly average data from 0100 and 0200 PST, 0300 and 0400 PST, 0500 and 0600 PST, through the hourly average data from 2300 and 2400 PST). This level of detail, displaying data for a particular season and time of day, is provided to illustrate characteristic wind directions that occur during the seasons as a result of medium- and local-scale circulation patterns. This level of detail will not be of interest to most users of this document, but it does provide a useful forecasting tool for the generation of meteorological forecasts and training of meteorologists.

In a wind rose, the length of a line extending in a particular direction from a station location is proportional to the relative frequency at which a wind blows from that direction sector toward the station. If the frequency from which a wind blows from a particular sector exceeds 0.2 (20%), the line is replaced with a narrow wedge to emphasize the high rate of occurrence of this wind direction. In a wind rose, wind data are presented using only 8 direction categories. All wind roses are drawn using the same scale; the total length of all 8 lines projecting from a station's wind rose should equal the total length of all the lines projecting from any other station's wind rose.

As was the case for the numerical frequency distribution, inequities develop when one tries to put data reported with 10° resolution into 8 direction sectors. Some sectors receive data from 4 reporting directions and other sectors receive data from 5 direction sectors [e.g., the northeast sector ($>22.5^\circ$ to $\leq 67.5^\circ$) receives data reported with directions of 30, 40, 50, and 60° while the east sector ($>67.5^\circ$ to $\leq 112.5^\circ$) receives data reported with directions of 70, 80, 90, 100, and 110°]. To reduce this inequity, we applied a correction scheme to the data to more properly distribute wind data between the 8 direction sectors. The method used was the same method applied for producing the numerical frequency distribution with its 16 direction sectors.

It is beyond the scope of this document to provide a comprehensive analysis of all the information presented in the tables and figures on the following pages. We will however use some of the information in Table 5.1 and Figure 5.2 to provide a brief discussion of the distribution of winds at Hanford meteorology monitoring stations.

One group of stations with similar wind patterns in Figure 5.2 are the Yakima Barricade, 200 West, Hanford Meteorology, and 200 East stations. These stations are located on the 200 Area plateau in the west-central portion of the study region. Approximately 60% of all winds at these stations are from the west-southwest through the north-northwest; only about 15% of winds come from the northeast through the southeast. Winds with speeds in the 4 to 7 mph range occur about 45% of the time; winds with speeds of 13 mph or greater occur about 10% of the time. Although the stations in

this group have similar wind frequency distributions, there are still significant differences in their wind patterns. For example, the 200 West station experiences winds of 3 mph or less about 23% of the time, while the 200 East station experiences such low speed winds only about 13% of the time.

The Wahluke, Vernita Bridge, and 100-N monitoring stations, in the northwestern portion of the study region, exhibit wind patterns that are somewhat similar to the 200 Area Plateau stations; however, these three stations tend to experience a higher percentage of westerly winds and a lower percentage of northwesterly winds. The 100-F station exhibits a wind pattern that is somewhat between the patterns exhibited by the more northwestern stations and the stations on the 200 Area plateau.

Several stations in the northern portion of the Hanford Site tend to exhibit wind patterns that are strongly influenced by local terrain features. The Edna Railroad Crossing station exhibits winds from the west-northwest through the north-northwest about 30% of the time; however, winds are also from the east-southeast through the south-southeast with the same frequency. Winds at this station tend to blow parallel to the nearby Columbia River and associated terrain features. The Rattlesnake Springs station exhibits winds from the southwest through west over 50% of the time. This direction corresponds to the orientation of the local valley and ridge line. Winds at the Gable West station are from the west and west-northwest about 24% of the time and from the southeast and south-southeast about 23% of the time. Terrain channeling between Gable Mountain and the 200 Area plateau accounts for the high frequency of winds from the southeast.

The Prosser, FFTF and WNP-2 stations, located in the southern half of the Hanford Site, display similar wind patterns in Figure 5.2. Winds at these stations are from the south-southeast through the southwest about 40% of the time. Winds are northwesterly (either from the northwest through the north, or from the west-northwest through the north-northwest) between 25% and 30% of the time. The Army Loop Road and Wye Barricade stations represent transitions between the wind regimes observed on the 200 Area Plateau and at the Prosser Barricade/FFTF/WNP-2 stations. Winds at the Army Loop Road station are more like winds reported on the 200 Area Plateau; winds at

the Wye Barricade station are more like those reported at the nearby WNP-2 station.

In the southeastern portion of the study area, the 300 Area, Richland, Franklin County, and Pasco stations display similar wind patterns in Figure 5.2. Winds at these stations are from the south-southwest through southwest between 20 and 26% of the time. Winds from the northwest or north also occur with a high frequency at each of these sites. Winds are from either the northwest and north-northwest, or the north-northwest and north between 15 and 18% of the time.

Winds at the Ringold and Sagehill stations are subjected to local terrain influences that produce wind distributions that are unique to their sites. The prevailing wind at the Ringold station is from the northeast, a direction that occurs infrequently at all other stations. This direction corresponds to the orientation of the local terrain. Winds at Sagehill exhibit an almost uniform directional distribution. Sagehill is located on relatively flat terrain but at a higher elevation than most other stations.

Winds at the Emergency Operations Center, Rattlesnake Mountain, and Gable Mountain are heavily influenced by their elevations. These stations are all located on the side or summit of mountains and are therefore subject to winds of much higher speeds than routinely encountered at other stations. Winds at the summit of Rattlesnake Mountain are 13 mph or greater over 58% of the time; winds exceed 38 mph over 6% of the time. Winds at the summit are from the south-southwest through the west-southwest about 47% of the time and from the north through the northeast another 25% of the time. Thus, winds come from only 6 of the 16 direction sectors about 72% of the time. At the Emergency Operations Center station, halfway down the northeast slope of the mountain, winds are 13 mph or greater about 26% of the time. Winds at this station are from the northwest and north-northwest about 28% of the time and from the southwest and west-southwest about 20% of the time. At the summit of Gable Mountain, wind directions are more uniformly distributed than on Rattlesnake Mountain. Winds on Gable Mountain are 13 mph or greater about 36% of the time. Winds are from the west through northwest about 28% of the time and from south through southwest about 23% of the time.

In summary, when examining all available wind data from the study period, we have prevailing winds from the west through the northwest at most locations in the northern portion of the Hanford Site. Farther south, the prevailing direction of the winds tends to be from the south through southwest. Local terrain features tend to have significant influences on the behavior of winds at the monitoring sites. Monitoring stations located relatively close to each other (within several miles) can exhibit significant differences in average wind frequency distributions. Additional information on the behavior of winds at the monitoring sites can be ascertained by studying the wind distributions for the stations as a function of the season (Tables 5.2 through 5.5) and as a function of the season and time of day (Figures 5.3 through 5.57).

TABLE 5.1. Frequency Distribution of Wind Direction and Wind Speed at Monitoring Sites

STATION: 1 PROSSER BARRICADE
 SEASON: ALL TIME OF DAY: ALL
 DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 65224.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01346	0.03829	0.02324	0.00762	0.00085	0.00012	0.00000	0.00000	0.08358
NORTH-NORTHEAST	0.01052	0.02491	0.01237	0.00275	0.00081	0.00030	0.00000	0.00000	0.05167
NORTHEAST	0.00869	0.01570	0.00366	0.00164	0.00030	0.00008	0.00006	0.00000	0.03014
EAST-NORTHEAST	0.00685	0.01095	0.00145	0.00021	0.00006	0.00000	0.00000	0.00000	0.01952
EAST	0.00768	0.01135	0.00199	0.00017	0.00001	0.00000	0.00000	0.00000	0.02119
EAST-SOUTHEAST	0.00935	0.01448	0.00354	0.00022	0.00002	0.00000	0.00000	0.00000	0.02760
SOUTHEAST	0.01086	0.02416	0.00524	0.00042	0.00000	0.00000	0.00000	0.00000	0.04068
SOUTH-SOUTHEAST	0.01395	0.04282	0.01350	0.00079	0.00005	0.00000	0.00000	0.00000	0.07111
SOUTH	0.01508	0.04967	0.02840	0.00486	0.00031	0.00003	0.00000	0.00000	0.09836
SOUTH-SOUTHWEST	0.01479	0.04073	0.04775	0.02900	0.00460	0.00116	0.00010	0.00000	0.13813
SOUTHWEST	0.01239	0.02250	0.02566	0.02348	0.00819	0.00339	0.00048	0.00002	0.09610
WEST-SOUTHWEST	0.00754	0.01031	0.00899	0.01071	0.00467	0.00142	0.00010	0.00000	0.04374
WEST	0.00703	0.00840	0.00531	0.00443	0.00172	0.00034	0.00003	0.00002	0.02729
WEST-NORTHWEST	0.00873	0.01203	0.00587	0.00276	0.00046	0.00009	0.00000	0.00000	0.02995
NORTHWEST	0.01228	0.02961	0.02610	0.01650	0.00451	0.00059	0.00002	0.00000	0.08963
NORTH-NORTHWEST	0.01530	0.05182	0.04651	0.01539	0.00213	0.00018	0.00000	0.00000	0.13132
TOTAL:	0.17451	0.40772	0.25958	0.12097	0.02870	0.00771	0.00078	0.00003	1.00000

STATION: 2 EMERGENCY OPERATIONS CENTER
 SEASON: ALL TIME OF DAY: ALL
 DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66490.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00781	0.03227	0.01933	0.00618	0.00149	0.00031	0.00005	0.00000	0.06726
NORTH-NORTHEAST	0.00717	0.02470	0.00735	0.00243	0.00070	0.00009	0.00001	0.00000	0.04245
NORTHEAST	0.00642	0.01950	0.00246	0.00097	0.00010	0.00002	0.00000	0.00000	0.02948
EAST-NORTHEAST	0.00590	0.01544	0.00088	0.00007	0.00000	0.00000	0.00000	0.00000	0.02228
EAST	0.00564	0.01433	0.00099	0.00000	0.00000	0.00000	0.00000	0.00000	0.02095
EAST-SOUTHEAST	0.00541	0.01469	0.00198	0.00003	0.00000	0.00000	0.00000	0.00000	0.02211
SOUTHEAST	0.00502	0.01325	0.00364	0.00006	0.00000	0.00000	0.00000	0.00000	0.02196
SOUTH-SOUTHEAST	0.00576	0.01470	0.00542	0.00028	0.00003	0.00000	0.00000	0.00000	0.02619
SOUTH	0.00691	0.02028	0.01279	0.00167	0.00015	0.00001	0.00000	0.00000	0.04181
SOUTH-SOUTHWEST	0.00758	0.02037	0.02436	0.00917	0.00195	0.00046	0.00013	0.00000	0.06402
SOUTHWEST	0.00693	0.01396	0.02573	0.02337	0.01668	0.01174	0.00315	0.00030	0.10185
WEST-SOUTHWEST	0.00690	0.01365	0.01976	0.02384	0.02203	0.01162	0.00188	0.00025	0.09992
WEST	0.00882	0.02003	0.01460	0.01356	0.00883	0.00350	0.00045	0.00011	0.06989
WEST-NORTHWEST	0.01030	0.03517	0.03531	0.00856	0.00228	0.00058	0.00008	0.00001	0.09228
NORTHWEST	0.00985	0.03852	0.06013	0.03768	0.00696	0.00069	0.00008	0.00000	0.15392
NORTH-NORTHWEST	0.00917	0.03628	0.04365	0.02857	0.00554	0.00041	0.00002	0.00000	0.12364
TOTAL:	0.11560	0.34694	0.27839	0.15641	0.06673	0.02942	0.00585	0.00066	1.00000

TABLE 5.1. Continued

STATION: 3 ARMY LOOP ROAD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66657.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01154	0.02665	0.01111	0.00213	0.00027	0.00008	0.00000	0.00000	0.05180
NORTH-NORTHEAST	0.01143	0.02210	0.00691	0.00191	0.00070	0.00018	0.00000	0.00000	0.04323
NORTHEAST	0.01293	0.02491	0.00453	0.00128	0.00024	0.00020	0.00000	0.00000	0.04409
EAST-NORTHEAST	0.01423	0.03201	0.00380	0.00033	0.00009	0.00003	0.00000	0.00000	0.05050
EAST	0.01431	0.03836	0.00592	0.00051	0.00006	0.00000	0.00000	0.00000	0.05915
EAST-SOUTHEAST	0.01397	0.03697	0.00989	0.00142	0.00010	0.00004	0.00000	0.00000	0.06240
SOUTHEAST	0.01048	0.02530	0.01157	0.00278	0.00010	0.00000	0.00000	0.00000	0.05024
SOUTH-SOUTHEAST	0.00762	0.01289	0.00643	0.00235	0.00022	0.00001	0.00000	0.00000	0.02952
SOUTH	0.00594	0.00812	0.00488	0.00213	0.00030	0.00005	0.00001	0.00000	0.02143
SOUTH-SOUTHWEST	0.00572	0.00673	0.00470	0.00282	0.00180	0.00126	0.00029	0.00006	0.02337
SOUTHWEST	0.00614	0.00777	0.00663	0.00587	0.00528	0.00387	0.00082	0.00010	0.03647
WEST-SOUTHWEST	0.00775	0.01136	0.01149	0.01316	0.00656	0.00237	0.00034	0.00003	0.05305
WEST	0.01129	0.02557	0.01962	0.01118	0.00330	0.00097	0.00004	0.00000	0.07198
WEST-NORTHWEST	0.01521	0.06455	0.05390	0.01255	0.00219	0.00027	0.00000	0.00000	0.14868
NORTHWEST	0.01544	0.07366	0.05092	0.01776	0.00689	0.00159	0.00003	0.00000	0.16629
NORTH-NORTHWEST	0.01385	0.04577	0.02091	0.00544	0.00163	0.00019	0.00001	0.00000	0.08781
TOTAL:	0.17784	0.46273	0.23324	0.08364	0.02975	0.01110	0.00153	0.00018	1.00000

STATION: 4 RATTLESNAKE SPRINGS

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66652.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00975	0.02959	0.00695	0.00058	0.00002	0.00000	0.00000	0.00000	0.04689
NORTH-NORTHEAST	0.01161	0.02786	0.00574	0.00152	0.00009	0.00000	0.00000	0.00000	0.04682
NORTHEAST	0.01182	0.02399	0.00276	0.00123	0.00031	0.00002	0.00000	0.00000	0.04012
EAST-NORTHEAST	0.01143	0.01720	0.00101	0.00016	0.00000	0.00002	0.00000	0.00000	0.02982
EAST	0.01076	0.02322	0.00185	0.00005	0.00000	0.00000	0.00000	0.00000	0.03587
EAST-SOUTHEAST	0.01141	0.02784	0.00417	0.00013	0.00000	0.00000	0.00000	0.00000	0.04355
SOUTHEAST	0.00822	0.01253	0.00165	0.00007	0.00000	0.00000	0.00000	0.00000	0.02248
SOUTH-SOUTHEAST	0.00649	0.00608	0.00106	0.00003	0.00002	0.00000	0.00000	0.00000	0.01368
SOUTH	0.00623	0.00662	0.00311	0.00122	0.00024	0.00007	0.00000	0.00000	0.01748
SOUTH-SOUTHWEST	0.00844	0.00999	0.00781	0.00541	0.00429	0.00157	0.00017	0.00000	0.03767
SOUTHWEST	0.01285	0.02886	0.01796	0.01142	0.00600	0.00114	0.00017	0.00002	0.07841
WEST-SOUTHWEST	0.01576	0.09990	0.14910	0.02886	0.00476	0.00108	0.00000	0.00000	0.29946
WEST	0.01028	0.04036	0.04808	0.02063	0.00247	0.00036	0.00000	0.00000	0.12219
WEST-NORTHWEST	0.00682	0.01883	0.02301	0.01159	0.00107	0.00010	0.00002	0.00000	0.06143
NORTHWEST	0.00646	0.01852	0.01605	0.00911	0.00168	0.00008	0.00000	0.00000	0.05189
NORTH-NORTHWEST	0.00746	0.02506	0.01419	0.00468	0.00084	0.00000	0.00000	0.00000	0.05222
TOTAL:	0.15579	0.41645	0.30449	0.09670	0.02178	0.00441	0.00036	0.00002	1.00000

TABLE 5.1. Continued

STATION: 5 EDNA RAILROAD CROSSING

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66794.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00870	0.03127	0.01703	0.00272	0.00031	0.00002	0.00000	0.00000	0.06005
NORTH-NORTHEAST	0.00580	0.01521	0.00760	0.00269	0.00092	0.00020	0.00000	0.00000	0.03241
NORTHEAST	0.00499	0.01194	0.00493	0.00237	0.00092	0.00028	0.00004	0.00000	0.02547
EAST-NORTHEAST	0.00541	0.01277	0.00250	0.00159	0.00055	0.00013	0.00007	0.00000	0.02301
EAST	0.00703	0.02222	0.00698	0.00044	0.00010	0.00000	0.00000	0.00000	0.03677
EAST-SOUTHEAST	0.01270	0.04837	0.02068	0.00134	0.00002	0.00000	0.00000	0.00000	0.08311
SOUTHEAST	0.01741	0.07893	0.02234	0.00236	0.00008	0.00000	0.00000	0.00000	0.12112
SOUTH-SOUTHEAST	0.02185	0.05607	0.01448	0.00354	0.00025	0.00002	0.00000	0.00000	0.09621
SOUTH	0.01960	0.02702	0.01049	0.00493	0.00077	0.00008	0.00001	0.00000	0.06290
SOUTH-SOUTHWEST	0.01476	0.01248	0.00700	0.00447	0.00145	0.00032	0.00002	0.00000	0.04050
SOUTHWEST	0.01114	0.00840	0.00706	0.00475	0.00222	0.00041	0.00005	0.00000	0.03402
WEST-SOUTHWEST	0.01005	0.00896	0.01013	0.00687	0.00280	0.00053	0.00000	0.00000	0.03934
WEST	0.01173	0.01087	0.01134	0.00733	0.00155	0.00044	0.00001	0.00000	0.04326
WEST-NORTHWEST	0.01823	0.02660	0.01589	0.01237	0.00493	0.00095	0.00004	0.00000	0.07902
NORTHWEST	0.01939	0.05639	0.02480	0.01251	0.00420	0.00050	0.00002	0.00000	0.11781
NORTH-NORTHWEST	0.01554	0.05954	0.02595	0.00335	0.00057	0.00005	0.00000	0.00000	0.10499
TOTAL:	0.20433	0.48702	0.20921	0.07363	0.02163	0.00392	0.00025	0.00000	1.00000

STATION: 6 200 EAST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66526.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00879	0.02244	0.00837	0.00242	0.00020	0.00002	0.00000	0.00000	0.04225
NORTH-NORTHEAST	0.00837	0.02090	0.00895	0.00306	0.00117	0.00016	0.00000	0.00000	0.04260
NORTHEAST	0.00823	0.01885	0.00395	0.00172	0.00056	0.00022	0.00003	0.00000	0.03355
EAST-NORTHEAST	0.00991	0.01848	0.00202	0.00030	0.00009	0.00004	0.00001	0.00000	0.03086
EAST	0.00962	0.02307	0.00337	0.00014	0.00005	0.00000	0.00000	0.00000	0.03625
EAST-SOUTHEAST	0.00966	0.02957	0.00596	0.00033	0.00003	0.00000	0.00000	0.00000	0.04555
SOUTHEAST	0.00766	0.03368	0.01123	0.00110	0.00001	0.00000	0.00000	0.00000	0.05368
SOUTH-SOUTHEAST	0.00644	0.02634	0.01423	0.00310	0.00023	0.00001	0.00000	0.00000	0.05035
SOUTH	0.00565	0.01680	0.00824	0.00258	0.00048	0.00005	0.00000	0.00000	0.03380
SOUTH-SOUTHWEST	0.00486	0.01324	0.00586	0.00335	0.00164	0.00064	0.00006	0.00001	0.02967
SOUTHWEST	0.00588	0.01535	0.01023	0.00790	0.00500	0.00190	0.00024	0.00000	0.04651
WEST-SOUTHWEST	0.00589	0.02272	0.02239	0.01433	0.00749	0.00220	0.00020	0.00000	0.07523
WEST	0.00753	0.03605	0.04425	0.01488	0.00237	0.00063	0.00000	0.00000	0.10570
WEST-NORTHWEST	0.00920	0.05556	0.08571	0.03853	0.01160	0.00183	0.00003	0.00000	0.20246
NORTHWEST	0.01043	0.04636	0.03645	0.01698	0.00821	0.00236	0.00016	0.00000	0.12095
NORTH-NORTHWEST	0.01006	0.02932	0.00941	0.00152	0.00026	0.00001	0.00001	0.00000	0.05059
TOTAL:	0.12819	0.42872	0.28061	0.11224	0.03940	0.01009	0.00074	0.00002	1.00000

TABLE 5.1. Continued

STATION: 7 200 WEST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 52719.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01224	0.03187	0.00929	0.00126	0.00007	0.00000	0.00000	0.00001	0.05474
NORTH-NORTHEAST	0.01079	0.01700	0.00627	0.00272	0.00066	0.00000	0.00000	0.00001	0.03744
NORTHEAST	0.00846	0.01055	0.00205	0.00134	0.00036	0.00002	0.00000	0.00000	0.02278
EAST-NORTHEAST	0.00803	0.00832	0.00083	0.00016	0.00001	0.00000	0.00000	0.00000	0.01735
EAST	0.00833	0.01007	0.00106	0.00007	0.00001	0.00000	0.00000	0.00000	0.01955
EAST-SOUTHEAST	0.01005	0.01496	0.00307	0.00018	0.00000	0.00000	0.00000	0.00000	0.02825
SOUTHEAST	0.01217	0.02159	0.00520	0.00044	0.00000	0.00000	0.00000	0.00000	0.03940
SOUTH-SOUTHEAST	0.01330	0.01741	0.00325	0.00071	0.00000	0.00000	0.00000	0.00000	0.03467
SOUTH	0.01308	0.01246	0.00285	0.00122	0.00005	0.00000	0.00000	0.00000	0.02967
SOUTH-SOUTHWEST	0.01488	0.01296	0.00628	0.00345	0.00145	0.00035	0.00002	0.00000	0.03939
SOUTHWEST	0.01819	0.01815	0.01134	0.00891	0.00561	0.00084	0.00009	0.00000	0.06312
WEST-SOUTHWEST	0.02133	0.03086	0.02110	0.01714	0.00547	0.00115	0.00005	0.00000	0.09710
WEST	0.02342	0.05567	0.03192	0.00991	0.00172	0.00049	0.00000	0.00000	0.12314
WEST-NORTHWEST	0.02398	0.08277	0.04115	0.01068	0.00183	0.00014	0.00000	0.00000	0.16056
NORTHWEST	0.01841	0.05415	0.04083	0.02302	0.01014	0.00167	0.00000	0.00000	0.14822
NORTH-NORTHWEST	0.01448	0.04131	0.02315	0.00485	0.00078	0.00005	0.00000	0.00000	0.08462
TOTAL:	0.23115	0.44011	0.20964	0.08604	0.02817	0.00472	0.00015	0.00002	1.00000

STATION: 8 WAHLUKE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 64833.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01162	0.01847	0.00725	0.00323	0.00066	0.00018	0.00002	0.00000	0.04142
NORTH-NORTHEAST	0.01323	0.02340	0.01259	0.00407	0.00069	0.00013	0.00000	0.00000	0.05412
NORTHEAST	0.01534	0.03012	0.00746	0.00236	0.00030	0.00017	0.00002	0.00000	0.05576
EAST-NORTHEAST	0.02112	0.04281	0.00863	0.00111	0.00011	0.00000	0.00000	0.00000	0.07378
EAST	0.02543	0.06291	0.01457	0.00122	0.00005	0.00000	0.00000	0.00000	0.10419
EAST-SOUTHEAST	0.01928	0.03307	0.00333	0.00032	0.00001	0.00000	0.00000	0.00000	0.05600
SOUTHEAST	0.01491	0.01534	0.00138	0.00011	0.00005	0.00000	0.00000	0.00000	0.03179
SOUTH-SOUTHEAST	0.01192	0.00916	0.00125	0.00018	0.00000	0.00000	0.00000	0.00000	0.02251
SOUTH	0.01116	0.01028	0.00219	0.00055	0.00017	0.00000	0.00002	0.00000	0.02436
SOUTH-SOUTHWEST	0.01118	0.01180	0.00345	0.00165	0.00073	0.00013	0.00000	0.00000	0.02894
SOUTHWEST	0.01205	0.01230	0.00503	0.00494	0.00257	0.00072	0.00007	0.00000	0.03768
WEST-SOUTHWEST	0.01271	0.02219	0.00932	0.00414	0.00134	0.00045	0.00007	0.00000	0.05022
WEST	0.01464	0.04837	0.03200	0.01459	0.00294	0.00055	0.00001	0.00000	0.11310
WEST-NORTHWEST	0.01506	0.05616	0.04905	0.03663	0.01490	0.00404	0.00040	0.00002	0.17626
NORTHWEST	0.01467	0.03318	0.01705	0.01228	0.00624	0.00168	0.00013	0.00000	0.08523
NORTH-NORTHWEST	0.01419	0.02095	0.00629	0.00242	0.00055	0.00020	0.00004	0.00000	0.04464
TOTAL:	0.23852	0.45051	0.18083	0.08980	0.03130	0.00825	0.00077	0.00002	1.00000

TABLE 5.1. Continued

STATION: 9 FAST FLUX TEST FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66572.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00521	0.02770	0.01659	0.00403	0.00033	0.00008	0.00000	0.00000	0.05395
NORTH-NORTHEAST	0.00504	0.02713	0.01619	0.00401	0.00136	0.00028	0.00000	0.00000	0.05401
NORTHEAST	0.00423	0.02058	0.00895	0.00232	0.00058	0.00032	0.00012	0.00000	0.03710
EAST-NORTHEAST	0.00407	0.01466	0.00382	0.00048	0.00019	0.00007	0.00000	0.00000	0.02328
EAST	0.00379	0.01343	0.00323	0.00017	0.00004	0.00000	0.00000	0.00000	0.02067
EAST-SOUTHEAST	0.00522	0.01794	0.00491	0.00032	0.00002	0.00000	0.00000	0.00000	0.02840
SOUTHEAST	0.00484	0.02590	0.01408	0.00162	0.00003	0.00002	0.00000	0.00000	0.04649
SOUTH-SOUTHEAST	0.00460	0.03391	0.03994	0.00576	0.00015	0.00001	0.00000	0.00000	0.08437
SOUTH	0.00526	0.03583	0.04536	0.01442	0.00114	0.00014	0.00000	0.00000	0.10214
SOUTH-SOUTHWEST	0.00642	0.03222	0.04774	0.04101	0.00862	0.00197	0.00037	0.00004	0.13839
SOUTHWEST	0.00629	0.02056	0.01813	0.01886	0.00988	0.00438	0.00093	0.00007	0.07910
WEST-SOUTHWEST	0.00504	0.01427	0.00960	0.00832	0.00421	0.00130	0.00010	0.00000	0.04295
WEST	0.00445	0.01683	0.01263	0.00629	0.00195	0.00038	0.00003	0.00000	0.04255
WEST-NORTHWEST	0.00487	0.02521	0.02903	0.01245	0.00350	0.00041	0.00005	0.00000	0.07550
NORTHWEST	0.00545	0.03100	0.04456	0.01668	0.00524	0.00136	0.00012	0.00002	0.10442
NORTH-NORTHWEST	0.00597	0.02943	0.02426	0.00648	0.00062	0.00003	0.00000	0.00000	0.06678
TOTAL:	0.08074	0.38660	0.33902	0.14320	0.03787	0.01074	0.00171	0.00012	1.00000

STATION: 10 YAKIMA BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66883.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01034	0.03638	0.01422	0.00177	0.00021	0.00001	0.00000	0.00000	0.06292
NORTH-NORTHEAST	0.00988	0.02918	0.00717	0.00186	0.00047	0.00001	0.00000	0.00000	0.04856
NORTHEAST	0.00853	0.01858	0.00266	0.00118	0.00044	0.00001	0.00000	0.00000	0.03141
EAST-NORTHEAST	0.00734	0.01287	0.00093	0.00026	0.00005	0.00000	0.00000	0.00000	0.02145
EAST	0.00643	0.01054	0.00107	0.00002	0.00000	0.00000	0.00000	0.00000	0.01805
EAST-SOUTHEAST	0.00752	0.01392	0.00237	0.00014	0.00000	0.00000	0.00000	0.00000	0.02395
SOUTHEAST	0.00763	0.01704	0.00424	0.00037	0.00002	0.00000	0.00000	0.00000	0.02930
SOUTH-SOUTHEAST	0.00872	0.01695	0.00492	0.00056	0.00007	0.00000	0.00000	0.00000	0.03123
SOUTH	0.00897	0.01472	0.00482	0.00130	0.00032	0.00008	0.00001	0.00000	0.03022
SOUTH-SOUTHWEST	0.00947	0.01573	0.00797	0.00399	0.00199	0.00049	0.00013	0.00000	0.03977
SOUTHWEST	0.01103	0.02011	0.01931	0.01244	0.00595	0.00178	0.00013	0.00000	0.07074
WEST-SOUTHWEST	0.01371	0.03772	0.03056	0.01706	0.00437	0.00155	0.00007	0.00000	0.10504
WEST	0.01544	0.06491	0.03502	0.00721	0.00114	0.00026	0.00000	0.00000	0.12399
WEST-NORTHWEST	0.01237	0.04624	0.02825	0.01097	0.00357	0.00047	0.00000	0.00000	0.10187
NORTHWEST	0.00966	0.03937	0.05608	0.03800	0.01749	0.00377	0.00012	0.00000	0.16449
NORTH-NORTHWEST	0.00990	0.03866	0.03481	0.01159	0.00182	0.00022	0.00001	0.00000	0.09701
TOTAL:	0.15693	0.43294	0.25440	0.10871	0.03790	0.00866	0.00046	0.00000	1.00000

TABLE 5.1. Continued

STATION: 11 300 AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 53759.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00507	0.03113	0.03884	0.00837	0.00083	0.00011	0.00001	0.00000	0.08437
NORTH-NORTHEAST	0.00346	0.01593	0.02158	0.00620	0.00140	0.00025	0.00009	0.00000	0.04890
NORTHEAST	0.00279	0.01051	0.00969	0.00205	0.00061	0.00017	0.00010	0.00000	0.02592
EAST-NORTHEAST	0.00312	0.01113	0.00409	0.00087	0.00013	0.00006	0.00000	0.00000	0.01940
EAST	0.00374	0.01749	0.00697	0.00047	0.00007	0.00000	0.00000	0.00000	0.02873
EAST-SOUTHEAST	0.00564	0.03563	0.02011	0.00070	0.00004	0.00000	0.00000	0.00000	0.06212
SOUTHEAST	0.00661	0.06053	0.02884	0.00164	0.00006	0.00000	0.00000	0.00000	0.09767
SOUTH-SOUTHEAST	0.00853	0.04432	0.01326	0.00145	0.00013	0.00000	0.00000	0.00000	0.06769
SOUTH	0.00826	0.03370	0.01940	0.00397	0.00053	0.00005	0.00000	0.00000	0.06591
SOUTH-SOUTHWEST	0.00890	0.02645	0.03398	0.01838	0.00460	0.00130	0.00007	0.00000	0.09368
SOUTHWEST	0.01088	0.02142	0.03486	0.02827	0.01092	0.00503	0.00134	0.00013	0.11285
WEST-SOUTHWEST	0.00916	0.01637	0.01898	0.01650	0.00497	0.00159	0.00012	0.00000	0.06770
WEST	0.00843	0.01328	0.00688	0.00438	0.00186	0.00062	0.00007	0.00000	0.03552
WEST-NORTHWEST	0.00839	0.01614	0.00519	0.00242	0.00043	0.00009	0.00001	0.00000	0.03266
NORTHWEST	0.00858	0.02741	0.01301	0.00856	0.00330	0.00081	0.00006	0.00000	0.06173
NORTH-NORTHWEST	0.00829	0.04223	0.03269	0.00985	0.00190	0.00017	0.00002	0.00000	0.09515
TOTAL:	0.10984	0.42367	0.30836	0.11408	0.03179	0.01025	0.00188	0.00013	1.00000

STATION: 12 WYE BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66481.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00492	0.02050	0.01162	0.00328	0.00033	0.00006	0.00000	0.00000	0.04071
NORTH-NORTHEAST	0.00454	0.01609	0.00713	0.00282	0.00104	0.00020	0.00000	0.00000	0.03181
NORTHEAST	0.00442	0.01353	0.00427	0.00132	0.00025	0.00022	0.00009	0.00000	0.02411
EAST-NORTHEAST	0.00479	0.01339	0.00298	0.00066	0.00010	0.00007	0.00000	0.00000	0.02199
EAST	0.00530	0.01890	0.00435	0.00016	0.00003	0.00000	0.00000	0.00000	0.02875
EAST-SOUTHEAST	0.00663	0.02069	0.00401	0.00028	0.00000	0.00000	0.00000	0.00000	0.03161
SOUTHEAST	0.00652	0.02190	0.00804	0.00069	0.00002	0.00000	0.00000	0.00000	0.03717
SOUTH-SOUTHEAST	0.00689	0.03011	0.01804	0.00353	0.00031	0.00002	0.00000	0.00000	0.05890
SOUTH	0.00651	0.03647	0.03086	0.01040	0.00103	0.00014	0.00000	0.00000	0.08542
SOUTH-SOUTHWEST	0.00707	0.03343	0.03889	0.01998	0.00538	0.00116	0.00017	0.00000	0.10608
SOUTHWEST	0.00813	0.03226	0.02908	0.01457	0.00817	0.00362	0.00050	0.00005	0.09637
WEST-SOUTHWEST	0.00736	0.03166	0.02283	0.01083	0.00528	0.00172	0.00020	0.00000	0.07987
WEST	0.00585	0.03220	0.03104	0.01379	0.00288	0.00074	0.00008	0.00001	0.08659
WEST-NORTHWEST	0.00575	0.03294	0.05038	0.02407	0.00581	0.00087	0.00004	0.00001	0.11987
NORTHWEST	0.00586	0.03116	0.03569	0.01316	0.00637	0.00220	0.00008	0.00000	0.09452
NORTH-NORTHWEST	0.00545	0.02633	0.01882	0.00465	0.00090	0.00010	0.00000	0.00000	0.05625
TOTAL:	0.09598	0.41156	0.31803	0.12419	0.03789	0.01113	0.00116	0.00006	1.00000

TABLE 5.1. Continued

STATION: 13 100 - N AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66579.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01193	0.02072	0.00596	0.00189	0.00074	0.00009	0.00000	0.00000	0.04134
NORTH-NORTHEAST	0.01008	0.01843	0.00899	0.00392	0.00134	0.00035	0.00001	0.00000	0.04313
NORTHEAST	0.00964	0.02093	0.00625	0.00309	0.00101	0.00068	0.00003	0.00000	0.04163
EAST-NORTHEAST	0.01154	0.02591	0.00470	0.00091	0.00027	0.00013	0.00000	0.00000	0.04347
EAST	0.01518	0.03455	0.00553	0.00044	0.00005	0.00000	0.00000	0.00000	0.05576
EAST-SOUTHEAST	0.01665	0.03634	0.00795	0.00095	0.00004	0.00000	0.00000	0.00000	0.06193
SOUTHEAST	0.01468	0.02779	0.01057	0.00204	0.00016	0.00000	0.00000	0.00000	0.05524
SOUTH-SOUTHEAST	0.01217	0.01803	0.00561	0.00167	0.00023	0.00003	0.00000	0.00000	0.03774
SOUTH	0.01195	0.01414	0.00372	0.00123	0.00021	0.00014	0.00000	0.00000	0.03139
SOUTH-SOUTHWEST	0.01399	0.01639	0.00670	0.00304	0.00153	0.00037	0.00004	0.00000	0.04205
SOUTHWEST	0.01612	0.03154	0.01522	0.00897	0.00342	0.00077	0.00002	0.00000	0.07607
WEST-SOUTHWEST	0.01835	0.05495	0.03161	0.00873	0.00228	0.00040	0.00001	0.00000	0.11633
WEST	0.01700	0.05241	0.03480	0.01553	0.00290	0.00041	0.00000	0.00000	0.12305
WEST-NORTHWEST	0.01915	0.04181	0.02419	0.01803	0.00783	0.00176	0.00001	0.00000	0.11279
NORTHWEST	0.01755	0.03169	0.00850	0.00626	0.00343	0.00083	0.00002	0.00000	0.06828
NORTH-NORTHWEST	0.01610	0.02535	0.00585	0.00201	0.00035	0.00012	0.00003	0.00000	0.04982
TOTAL:	0.23209	0.47097	0.18617	0.07872	0.02579	0.00608	0.00018	0.00000	1.00000

STATION: 14 WNP - 2 FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 67045.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01301	0.03824	0.01400	0.00319	0.00036	0.00004	0.00000	0.00000	0.06884
NORTH-NORTHEAST	0.01178	0.02821	0.00846	0.00197	0.00072	0.00013	0.00001	0.00000	0.05130
NORTHEAST	0.01064	0.02370	0.00488	0.00105	0.00026	0.00013	0.00000	0.00000	0.04066
EAST-NORTHEAST	0.00930	0.01558	0.00267	0.00022	0.00012	0.00000	0.00000	0.00000	0.02788
EAST	0.00817	0.00877	0.00109	0.00008	0.00002	0.00000	0.00000	0.00000	0.01813
EAST-SOUTHEAST	0.00857	0.01238	0.00259	0.00017	0.00000	0.00000	0.00000	0.00000	0.02371
SOUTHEAST	0.01036	0.02055	0.00682	0.00058	0.00003	0.00001	0.00000	0.00000	0.03836
SOUTH-SOUTHEAST	0.01220	0.04401	0.02024	0.00231	0.00007	0.00000	0.00000	0.00000	0.07883
SOUTH	0.01491	0.05520	0.03508	0.00741	0.00059	0.00002	0.00000	0.00000	0.11322
SOUTH-SOUTHWEST	0.01616	0.03845	0.03087	0.01866	0.00426	0.00096	0.00014	0.00000	0.10950
SOUTHWEST	0.01518	0.02155	0.01696	0.01303	0.00625	0.00181	0.00018	0.00000	0.07496
WEST-SOUTHWEST	0.01262	0.01633	0.00981	0.00617	0.00276	0.00081	0.00003	0.00000	0.04853
WEST	0.01353	0.01676	0.01042	0.00483	0.00169	0.00032	0.00005	0.00000	0.04760
WEST-NORTHWEST	0.01487	0.02571	0.01937	0.00898	0.00184	0.00026	0.00001	0.00000	0.07104
NORTHWEST	0.01753	0.04140	0.02332	0.01173	0.00544	0.00070	0.00008	0.00000	0.10019
NORTH-NORTHWEST	0.01713	0.04756	0.01773	0.00409	0.00069	0.00004	0.00001	0.00000	0.08725
TOTAL:	0.20597	0.45441	0.22431	0.08445	0.02510	0.00524	0.00052	0.00000	1.00000

TABLE 5.1. Continued

STATION: 15 FRANKLIN COUNTY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66374.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00560	0.03613	0.02664	0.00261	0.00016	0.00001	0.00000	0.00000	0.07115
NORTH-NORTHEAST	0.00518	0.02668	0.01502	0.00260	0.00059	0.00012	0.00000	0.00000	0.05019
NORTHEAST	0.00450	0.01808	0.00714	0.00305	0.00087	0.00032	0.00000	0.00000	0.03397
EAST-NORTHEAST	0.00449	0.01270	0.00377	0.00161	0.00019	0.00009	0.00000	0.00000	0.02285
EAST	0.00449	0.01604	0.00487	0.00054	0.00006	0.00000	0.00000	0.00000	0.02601
EAST-SOUTHEAST	0.00629	0.02298	0.00968	0.00060	0.00003	0.00000	0.00000	0.00000	0.03957
SOUTHEAST	0.00720	0.03905	0.02070	0.00161	0.00007	0.00000	0.00000	0.00000	0.06863
SOUTH-SOUTHEAST	0.00833	0.04075	0.02014	0.00212	0.00012	0.00000	0.00000	0.00000	0.07146
SOUTH	0.00746	0.03194	0.02859	0.00534	0.00041	0.00003	0.00000	0.00000	0.07378
SOUTH-SOUTHWEST	0.00714	0.02829	0.04657	0.02542	0.00437	0.00095	0.00021	0.00000	0.11296
SOUTHWEST	0.00648	0.02513	0.03821	0.02864	0.00807	0.00353	0.00053	0.00011	0.11069
WEST-SOUTHWEST	0.00756	0.01809	0.01180	0.01016	0.00293	0.00103	0.00010	0.00000	0.05166
WEST	0.00944	0.01815	0.00597	0.00292	0.00077	0.00021	0.00004	0.00000	0.03750
WEST-NORTHWEST	0.00828	0.02536	0.00872	0.00282	0.00058	0.00007	0.00001	0.00000	0.04584
NORTHWEST	0.00712	0.04070	0.03079	0.00724	0.00127	0.00026	0.00000	0.00000	0.08738
NORTH-NORTHWEST	0.00715	0.04411	0.04033	0.00462	0.00014	0.00001	0.00000	0.00000	0.09636
TOTAL:	0.10670	0.44419	0.31894	0.10191	0.02063	0.00664	0.00089	0.00011	1.00000

STATION: 16 GABLE MOUNTAIN

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 65859.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00516	0.02369	0.02127	0.01393	0.00413	0.00100	0.00017	0.00005	0.06940
NORTH-NORTHEAST	0.00481	0.02444	0.02380	0.01547	0.00641	0.00190	0.00041	0.00009	0.07733
NORTHEAST	0.00430	0.01873	0.01118	0.00590	0.00320	0.00186	0.00086	0.00040	0.04644
EAST-NORTHEAST	0.00397	0.01061	0.00401	0.00096	0.00039	0.00016	0.00011	0.00011	0.02032
EAST	0.00335	0.00991	0.00449	0.00073	0.00013	0.00000	0.00000	0.00000	0.01862
EAST-SOUTHEAST	0.00289	0.01040	0.00567	0.00109	0.00008	0.00000	0.00000	0.00000	0.02013
SOUTHEAST	0.00355	0.01240	0.00856	0.00307	0.00028	0.00000	0.00000	0.00000	0.02787
SOUTH-SOUTHEAST	0.00414	0.01935	0.01677	0.00949	0.00317	0.00036	0.00002	0.00000	0.05331
SOUTH	0.00484	0.02906	0.02640	0.01564	0.00753	0.00228	0.00047	0.00012	0.08633
SOUTH-SOUTHWEST	0.00609	0.02628	0.01933	0.01105	0.00550	0.00312	0.00136	0.00059	0.07332
SOUTHWEST	0.00588	0.01991	0.01584	0.01380	0.00896	0.00657	0.00307	0.00112	0.07516
WEST-SOUTHWEST	0.00539	0.01691	0.01791	0.01772	0.01084	0.00480	0.00156	0.00049	0.07562
WEST	0.00493	0.01562	0.01817	0.01859	0.00994	0.00254	0.00033	0.00003	0.07013
WEST-NORTHWEST	0.00479	0.01747	0.02283	0.02879	0.02986	0.01342	0.00229	0.00006	0.11950
NORTHWEST	0.00455	0.02117	0.02931	0.02577	0.01707	0.00600	0.00075	0.00002	0.10465
NORTH-NORTHWEST	0.00538	0.02247	0.02160	0.00946	0.00229	0.00058	0.00009	0.00003	0.06189
TOTAL:	0.07402	0.29841	0.26713	0.19147	0.10978	0.04460	0.01148	0.00311	1.00000

TABLE 5.1. Continued

STATION: 17 RINGOLD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 65877.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01704	0.01944	0.00450	0.00053	0.00015	0.00000	0.00000	0.00000	0.04165
NORTH-NORTHEAST	0.02746	0.03243	0.00524	0.00101	0.00063	0.00003	0.00000	0.00000	0.06679
NORTHEAST	0.03792	0.11407	0.00915	0.00230	0.00099	0.00010	0.00000	0.00000	0.16453
EAST-NORTHEAST	0.03022	0.04237	0.00382	0.00055	0.00016	0.00001	0.00000	0.00000	0.07713
EAST	0.01871	0.01657	0.00063	0.00006	0.00000	0.00000	0.00000	0.00000	0.03597
EAST-SOUTHEAST	0.01536	0.01259	0.00093	0.00006	0.00000	0.00000	0.00000	0.00000	0.02894
SOUTHEAST	0.01205	0.01307	0.00225	0.00027	0.00002	0.00000	0.00000	0.00000	0.02765
SOUTH-SOUTHEAST	0.01189	0.01753	0.00587	0.00074	0.00001	0.00000	0.00000	0.00000	0.03604
SOUTH	0.01290	0.02148	0.01175	0.00140	0.00005	0.00000	0.00000	0.00000	0.04757
SOUTH-SOUTHWEST	0.01521	0.03264	0.03601	0.00984	0.00098	0.00008	0.00000	0.00000	0.09476
SOUTHWEST	0.01907	0.03060	0.02552	0.01170	0.00297	0.00066	0.00009	0.00000	0.09061
WEST-SOUTHWEST	0.02090	0.03649	0.01472	0.00611	0.00168	0.00038	0.00001	0.00001	0.08031
WEST	0.01655	0.02751	0.01754	0.00563	0.00079	0.00027	0.00002	0.00000	0.06830
WEST-NORTHWEST	0.01269	0.01734	0.02041	0.01386	0.00343	0.00032	0.00000	0.00000	0.06805
NORTHWEST	0.01218	0.01536	0.00916	0.00399	0.00077	0.00003	0.00000	0.00000	0.04148
NORTH-NORTHWEST	0.01360	0.01490	0.00162	0.00009	0.00000	0.00000	0.00000	0.00000	0.03021
TOTAL:	0.29374	0.46438	0.16912	0.05812	0.01261	0.00188	0.00012	0.00002	1.00000

STATION: 18 RICHLAND AIRPORT

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66709.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00660	0.01736	0.01342	0.00463	0.00076	0.00012	0.00000	0.00000	0.04289
NORTH-NORTHEAST	0.00492	0.01044	0.00779	0.00238	0.00060	0.00018	0.00001	0.00001	0.02634
NORTHEAST	0.00496	0.00973	0.00556	0.00133	0.00046	0.00020	0.00005	0.00000	0.02229
EAST-NORTHEAST	0.00535	0.01129	0.00404	0.00041	0.00008	0.00000	0.00000	0.00000	0.02119
EAST	0.00799	0.01961	0.00313	0.00009	0.00000	0.00000	0.00000	0.00000	0.03081
EAST-SOUTHEAST	0.01305	0.03366	0.00298	0.00009	0.00000	0.00000	0.00000	0.00000	0.04978
SOUTHEAST	0.01551	0.03601	0.00432	0.00016	0.00000	0.00000	0.00000	0.00000	0.05600
SOUTH-SOUTHEAST	0.01391	0.02488	0.00381	0.00029	0.00002	0.00000	0.00000	0.00000	0.04290
SOUTH	0.01339	0.02001	0.00750	0.00137	0.00027	0.00008	0.00001	0.00000	0.04263
SOUTH-SOUTHWEST	0.01371	0.03198	0.02948	0.01499	0.00293	0.00049	0.00001	0.00000	0.09359
SOUTHWEST	0.01764	0.04216	0.04542	0.02877	0.00825	0.00151	0.00003	0.00000	0.14379
WEST-SOUTHWEST	0.02276	0.03868	0.03671	0.01793	0.00431	0.00126	0.00003	0.00000	0.12167
WEST	0.01873	0.03374	0.01904	0.01032	0.00276	0.00061	0.00003	0.00000	0.08523
WEST-NORTHWEST	0.01547	0.03761	0.01270	0.00467	0.00102	0.00009	0.00001	0.00000	0.07157
NORTHWEST	0.01351	0.03461	0.01670	0.00999	0.00331	0.00091	0.00014	0.00000	0.07917
NORTH-NORTHWEST	0.01052	0.02813	0.02026	0.00888	0.00211	0.00025	0.00001	0.00000	0.07016
TOTAL:	0.19802	0.42990	0.23285	0.10631	0.02688	0.00570	0.00033	0.00001	1.00000

TABLE 5.1. Continued

STATION: 19 SAGEHILL

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 2/26/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 65363.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00655	0.03577	0.01584	0.00219	0.00010	0.00000	0.00000	0.00000	0.06046
NORTH-NORTHEAST	0.00536	0.03085	0.01656	0.00374	0.00060	0.00000	0.00003	0.00000	0.05713
NORTHEAST	0.00531	0.03242	0.01697	0.00196	0.00072	0.00018	0.00000	0.00000	0.05756
EAST-NORTHEAST	0.00579	0.02647	0.00757	0.00066	0.00003	0.00000	0.00000	0.00000	0.04052
EAST	0.00537	0.02307	0.00612	0.00031	0.00000	0.00000	0.00000	0.00000	0.03486
EAST-SOUTHEAST	0.00842	0.03776	0.00883	0.00060	0.00003	0.00000	0.00000	0.00000	0.05564
SOUTHEAST	0.00862	0.04195	0.01752	0.00117	0.00004	0.00000	0.00000	0.00000	0.06929
SOUTH-SOUTHEAST	0.00972	0.05012	0.03106	0.00356	0.00021	0.00000	0.00000	0.00000	0.09468
SOUTH	0.00950	0.04347	0.03263	0.00826	0.00120	0.00007	0.00000	0.00000	0.09511
SOUTH-SOUTHWEST	0.01042	0.02931	0.01765	0.00743	0.00155	0.00053	0.00010	0.00000	0.06698
SOUTHWEST	0.01198	0.02628	0.01468	0.00558	0.00163	0.00031	0.00010	0.00002	0.06059
WEST-SOUTHWEST	0.00923	0.03736	0.01906	0.00574	0.00128	0.00016	0.00000	0.00000	0.07282
WEST	0.00820	0.04137	0.02159	0.00242	0.00021	0.00004	0.00000	0.00000	0.07383
WEST-NORTHWEST	0.00784	0.02613	0.01986	0.00823	0.00123	0.00015	0.00000	0.00000	0.06344
NORTHWEST	0.00861	0.02344	0.00524	0.00167	0.00037	0.00004	0.00000	0.00000	0.03937
NORTH-NORTHWEST	0.00912	0.03884	0.00893	0.00076	0.00006	0.00000	0.00000	0.00000	0.05770
TOTAL:	0.13004	0.54460	0.26010	0.05427	0.00926	0.00148	0.00023	0.00002	1.00000

STATION: 20 RATTLESNAKE MOUNTAIN

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 2/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 65517.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00192	0.01198	0.02068	0.02087	0.01167	0.00558	0.00170	0.00094	0.07533
NORTH-NORTHEAST	0.00215	0.01378	0.02204	0.02651	0.01869	0.01353	0.00586	0.00479	0.10734
NORTHEAST	0.00213	0.01334	0.01684	0.01390	0.00868	0.00638	0.00398	0.00413	0.06938
EAST-NORTHEAST	0.00217	0.01004	0.00814	0.00290	0.00129	0.00074	0.00060	0.00060	0.02648
EAST	0.00241	0.00755	0.00375	0.00092	0.00017	0.00009	0.00001	0.00001	0.01492
EAST-SOUTHEAST	0.00293	0.00598	0.00284	0.00051	0.00006	0.00000	0.00000	0.00000	0.01232
SOUTHEAST	0.00255	0.00592	0.00322	0.00098	0.00007	0.00000	0.00000	0.00000	0.01274
SOUTH-SOUTHEAST	0.00211	0.00703	0.00478	0.00190	0.00052	0.00010	0.00009	0.00006	0.01659
SOUTH	0.00243	0.00991	0.00959	0.00731	0.00281	0.00157	0.00109	0.00052	0.03523
SOUTH-SOUTHWEST	0.00431	0.01432	0.02154	0.02159	0.01292	0.01044	0.00756	0.00746	0.10013
SOUTHWEST	0.00376	0.01952	0.03599	0.04581	0.03432	0.03095	0.02217	0.02402	0.21654
WEST-SOUTHWEST	0.00245	0.01289	0.02228	0.02895	0.02671	0.02476	0.01647	0.01507	0.14959
WEST	0.00165	0.00881	0.01236	0.01405	0.01136	0.00734	0.00316	0.00223	0.06095
WEST-NORTHWEST	0.00133	0.00704	0.00797	0.00811	0.00542	0.00187	0.00032	0.00004	0.03211
NORTHWEST	0.00160	0.00760	0.00812	0.00816	0.00330	0.00059	0.00007	0.00000	0.02944
NORTH-NORTHWEST	0.00186	0.00996	0.01257	0.01153	0.00390	0.00091	0.00016	0.00005	0.04094
TOTAL:	0.03776	0.16569	0.21271	0.21401	0.14186	0.10484	0.06322	0.05992	1.00000

TABLE 5.1. Continued

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 68240.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01260	0.02609	0.00705	0.00122	0.00027	0.00002	0.00001	0.00000	0.04727
NORTH-NORTHEAST	0.01216	0.01960	0.00599	0.00253	0.00074	0.00010	0.00000	0.00000	0.04112
NORTHEAST	0.01061	0.01550	0.00400	0.00167	0.00029	0.00002	0.00000	0.00000	0.03209
EAST-NORTHEAST	0.00916	0.01334	0.00225	0.00068	0.00018	0.00000	0.00000	0.00000	0.02561
EAST	0.00926	0.01514	0.00188	0.00008	0.00004	0.00000	0.00000	0.00000	0.02640
EAST-SOUTHEAST	0.01071	0.01940	0.00270	0.00006	0.00000	0.00000	0.00000	0.00000	0.03288
SOUTHEAST	0.01057	0.02299	0.00658	0.00055	0.00005	0.00000	0.00000	0.00000	0.04075
SOUTH-SOUTHEAST	0.00806	0.01894	0.00687	0.00158	0.00019	0.00002	0.00000	0.00000	0.03565
SOUTH	0.00796	0.01670	0.00515	0.00220	0.00052	0.00014	0.00002	0.00000	0.03269
SOUTH-SOUTHWEST	0.00761	0.01786	0.00856	0.00548	0.00222	0.00065	0.00005	0.00000	0.04243
SOUTHWEST	0.00798	0.02376	0.01645	0.01302	0.00536	0.00114	0.00014	0.00001	0.06787
WEST-SOUTHWEST	0.00904	0.03632	0.02931	0.01342	0.00313	0.00081	0.00001	0.00000	0.09204
WEST	0.00984	0.04581	0.03054	0.00763	0.00079	0.00026	0.00000	0.00000	0.09487
WEST-NORTHWEST	0.01204	0.06063	0.05803	0.02059	0.00402	0.00023	0.00000	0.00000	0.15553
NORTHWEST	0.01282	0.05888	0.05652	0.02433	0.00785	0.00108	0.00004	0.00000	0.16151
NORTH-NORTHWEST	0.01331	0.04028	0.01438	0.00299	0.00032	0.00000	0.00000	0.00000	0.07127
TOTAL:	0.16373	0.45123	0.25626	0.09804	0.02597	0.00448	0.00028	0.00001	1.00000

STATION: 22 PASCO AIRPORT

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 38663.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01185	0.03090	0.01628	0.00525	0.00043	0.00016	0.00000	0.00000	0.06487
NORTH-NORTHEAST	0.00956	0.01630	0.00691	0.00263	0.00062	0.00018	0.00000	0.00000	0.03620
NORTHEAST	0.00860	0.01069	0.00332	0.00178	0.00058	0.00004	0.00000	0.00000	0.02500
EAST-NORTHEAST	0.00875	0.01373	0.00364	0.00086	0.00016	0.00000	0.00000	0.00000	0.02714
EAST	0.00852	0.02166	0.00479	0.00103	0.00004	0.00002	0.00000	0.00000	0.03606
EAST-SOUTHEAST	0.00686	0.02343	0.00839	0.00245	0.00010	0.00001	0.00000	0.00000	0.04123
SOUTHEAST	0.00467	0.01979	0.00879	0.00200	0.00007	0.00000	0.00000	0.00000	0.03532
SOUTH-SOUTHEAST	0.00363	0.01487	0.00892	0.00211	0.00019	0.00000	0.00000	0.00000	0.02971
SOUTH	0.00379	0.01935	0.02094	0.01320	0.00169	0.00005	0.00002	0.00000	0.05904
SOUTH-SOUTHWEST	0.00341	0.02124	0.03128	0.04051	0.01010	0.00128	0.00003	0.00000	0.10785
SOUTHWEST	0.00356	0.01757	0.03461	0.05081	0.01988	0.00516	0.00064	0.00008	0.13231
WEST-SOUTHWEST	0.00333	0.01579	0.02258	0.02814	0.01421	0.00927	0.00253	0.00060	0.09646
WEST	0.00425	0.02063	0.01610	0.01206	0.00380	0.00151	0.00045	0.00009	0.05889
WEST-NORTHWEST	0.00541	0.03102	0.02113	0.01070	0.00209	0.00050	0.00003	0.00001	0.07090
NORTHWEST	0.00788	0.04086	0.03032	0.01475	0.00139	0.00018	0.00000	0.00000	0.09539
NORTH-NORTHWEST	0.00972	0.04054	0.02295	0.00973	0.00062	0.00008	0.00000	0.00000	0.08363
TOTAL:	0.10377	0.35838	0.26095	0.19802	0.05597	0.01844	0.00370	0.00078	1.00000

TABLE 5.1. Continued

STATION: 23 100 - F AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 31049.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00845	0.01822	0.00459	0.00111	0.00002	0.00000	0.00000	0.00000	0.03239
NORTH-NORTHEAST	0.00755	0.01294	0.00576	0.00316	0.00167	0.00012	0.00000	0.00000	0.03119
NORTHEAST	0.00765	0.01130	0.00370	0.00166	0.00083	0.00027	0.00000	0.00000	0.02542
EAST-NORTHEAST	0.00830	0.01331	0.00311	0.00037	0.00010	0.00000	0.00000	0.00000	0.02519
EAST	0.00850	0.01815	0.00338	0.00025	0.00021	0.00000	0.00000	0.00000	0.03048
EAST-SOUTHEAST	0.00903	0.02023	0.00527	0.00054	0.00025	0.00003	0.00000	0.00000	0.03535
SOUTHEAST	0.01257	0.04457	0.01878	0.00285	0.00023	0.00017	0.00000	0.00000	0.07918
SOUTH-SOUTHEAST	0.01371	0.05761	0.01909	0.00172	0.00033	0.00001	0.00003	0.00000	0.09249
SOUTH	0.01219	0.02351	0.00508	0.00160	0.00034	0.00021	0.00004	0.00000	0.04298
SOUTH-SOUTHWEST	0.01157	0.01388	0.00591	0.00263	0.00138	0.00040	0.00006	0.00000	0.03583
SOUTHWEST	0.01132	0.01339	0.01034	0.00794	0.00376	0.00062	0.00006	0.00000	0.04742
WEST-SOUTHWEST	0.01393	0.01799	0.01804	0.01270	0.00444	0.00071	0.00000	0.00000	0.06781
WEST	0.01604	0.03858	0.03546	0.01654	0.00349	0.00048	0.00000	0.00000	0.11059
WEST-NORTHWEST	0.01778	0.07613	0.05916	0.03893	0.01653	0.00293	0.00012	0.00000	0.21158
NORTHWEST	0.01416	0.04101	0.01957	0.01196	0.00500	0.00108	0.00004	0.00000	0.09282
NORTH-NORTHWEST	0.01119	0.02106	0.00523	0.00157	0.00023	0.00000	0.00000	0.00000	0.03927
TOTAL:	0.18394	0.44188	0.22249	0.10551	0.04881	0.00702	0.00035	0.00000	1.00000

STATION: 24 GABLE WEST

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 31557.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01090	0.02112	0.01138	0.00150	0.00013	0.00000	0.00000	0.00000	0.04504
NORTH-NORTHEAST	0.00940	0.01649	0.00865	0.00353	0.00186	0.00038	0.00003	0.00000	0.04033
NORTHEAST	0.00770	0.01315	0.00425	0.00161	0.00058	0.00023	0.00004	0.00000	0.02755
EAST-NORTHEAST	0.00736	0.01439	0.00429	0.00059	0.00014	0.00000	0.00000	0.00000	0.02677
EAST	0.00914	0.01600	0.00437	0.00018	0.00003	0.00000	0.00000	0.00000	0.02972
EAST-SOUTHEAST	0.01203	0.02362	0.00904	0.00095	0.00000	0.00000	0.00000	0.00000	0.04563
SOUTHEAST	0.01548	0.05955	0.04015	0.00496	0.00020	0.00000	0.00000	0.00000	0.12035
SOUTH-SOUTHEAST	0.01555	0.05927	0.03152	0.00412	0.00041	0.00000	0.00000	0.00000	0.11088
SOUTH	0.01477	0.01937	0.00610	0.00305	0.00086	0.00024	0.00000	0.00000	0.04438
SOUTH-SOUTHWEST	0.01309	0.01275	0.00556	0.00295	0.00114	0.00046	0.00009	0.00000	0.03605
SOUTHWEST	0.01314	0.01266	0.00828	0.00707	0.00322	0.00107	0.00004	0.00000	0.04550
WEST-SOUTHWEST	0.01664	0.02183	0.01584	0.01017	0.00355	0.00072	0.00003	0.00000	0.06878
WEST	0.02066	0.04322	0.02994	0.01374	0.00268	0.00054	0.00004	0.00000	0.11081
WEST-NORTHWEST	0.02345	0.05225	0.02497	0.02092	0.00755	0.00145	0.00005	0.00000	0.13064
NORTHWEST	0.01920	0.03686	0.00710	0.00320	0.00137	0.00013	0.00000	0.00000	0.06787
NORTH-NORTHWEST	0.01474	0.02636	0.00709	0.00147	0.00004	0.00000	0.00000	0.00000	0.04970
TOTAL:	0.22325	0.44890	0.21853	0.08001	0.02377	0.00523	0.00032	0.00000	1.00000

TABLE 5.1. Continued

STATION: 25 VERNITA BRIDGE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 2/ 8/88 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15866.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00781	0.01089	0.00392	0.00217	0.00103	0.00000	0.00000	0.00000	0.02583
NORTH-NORTHEAST	0.00691	0.02123	0.00538	0.00343	0.00141	0.00006	0.00000	0.00000	0.03842
NORTHEAST	0.00705	0.02575	0.00852	0.00238	0.00131	0.00001	0.00000	0.00000	0.04501
EAST-NORTHEAST	0.01006	0.03281	0.00861	0.00051	0.00013	0.00000	0.00000	0.00000	0.05213
EAST	0.01210	0.03803	0.00551	0.00010	0.00004	0.00000	0.00000	0.00000	0.05578
EAST-SOUTHEAST	0.01076	0.02763	0.00366	0.00002	0.00000	0.00000	0.00000	0.00000	0.04207
SOUTHEAST	0.01040	0.01576	0.00214	0.00034	0.00000	0.00000	0.00000	0.00000	0.02863
SOUTH-SOUTHEAST	0.00908	0.00835	0.00122	0.00048	0.00000	0.00000	0.00000	0.00000	0.01913
SOUTH	0.00819	0.00564	0.00222	0.00073	0.00000	0.00004	0.00000	0.00000	0.01683
SOUTH-SOUTHWEST	0.00787	0.00488	0.00477	0.00304	0.00251	0.00100	0.00012	0.00000	0.02419
SOUTHWEST	0.00975	0.00845	0.00778	0.00659	0.00652	0.00233	0.00020	0.00000	0.04161
WEST-SOUTHWEST	0.01407	0.04297	0.03002	0.01075	0.00303	0.00039	0.00002	0.00000	0.10126
WEST	0.01386	0.06459	0.07963	0.02687	0.00517	0.00059	0.00014	0.00000	0.19085
WEST-NORTHWEST	0.00996	0.03489	0.06889	0.06326	0.02021	0.00184	0.00008	0.00000	0.19912
NORTHWEST	0.00672	0.01744	0.02625	0.02639	0.00992	0.00169	0.00001	0.00000	0.08841
NORTH-NORTHWEST	0.00661	0.01268	0.00753	0.00332	0.00054	0.00006	0.00000	0.00000	0.03073
TOTAL:	0.15120	0.37199	0.26604	0.15038	0.05181	0.00800	0.00057	0.00000	1.00000

TABLE 5.2. Frequency Distribution of Wind Direction and Wind Speed at Monitoring Sites--Winter Season

STATION: 1 PROSSER BARRICADE

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15685.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01989	0.06112	0.02972	0.00945	0.00248	0.00013	0.00000	0.00000	0.12278
NORTH-NORTHEAST	0.01510	0.03273	0.00964	0.00241	0.00175	0.00105	0.00000	0.00000	0.06268
NORTHEAST	0.01260	0.02039	0.00276	0.00051	0.00021	0.00029	0.00026	0.00000	0.03701
EAST-NORTHEAST	0.00990	0.01088	0.00058	0.00002	0.00000	0.00000	0.00000	0.00000	0.02138
EAST	0.01032	0.01345	0.00109	0.00029	0.00000	0.00000	0.00000	0.00000	0.02515
EAST-SOUTHEAST	0.01376	0.01669	0.00281	0.00043	0.00006	0.00000	0.00000	0.00000	0.03376
SOUTHEAST	0.01236	0.02659	0.00614	0.00061	0.00000	0.00000	0.00000	0.00000	0.04570
SOUTH-SOUTHEAST	0.01429	0.03283	0.00976	0.00092	0.00000	0.00000	0.00000	0.00000	0.05779
SOUTH	0.01387	0.02989	0.01752	0.00459	0.00033	0.00008	0.00000	0.00000	0.06629
SOUTH-SOUTHWEST	0.01394	0.02704	0.02775	0.02035	0.00596	0.00200	0.00023	0.00000	0.09727
SOUTHWEST	0.01185	0.01719	0.01670	0.01504	0.00966	0.00564	0.00086	0.00000	0.07694
WEST-SOUTHWEST	0.00694	0.00760	0.00450	0.00366	0.00317	0.00064	0.00006	0.00000	0.02657
WEST	0.00705	0.00581	0.00175	0.00095	0.00051	0.00012	0.00000	0.00000	0.01619
WEST-NORTHWEST	0.01046	0.01037	0.00219	0.00036	0.00013	0.00006	0.00000	0.00000	0.02357
NORTHWEST	0.01483	0.04256	0.02723	0.01261	0.00134	0.00027	0.00000	0.00000	0.09884
NORTH-NORTHWEST	0.02111	0.08515	0.06135	0.01859	0.00182	0.00006	0.00000	0.00000	0.18808
TOTAL:	0.20829	0.44029	0.22149	0.09079	0.02741	0.01033	0.00140	0.00000	1.00000

STATION: 2 EMERGENCY OPERATIONS CENTER

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15585.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01526	0.04419	0.01659	0.00411	0.00337	0.00050	0.00000	0.00000	0.08402
NORTH-NORTHEAST	0.01240	0.02190	0.00251	0.00067	0.00147	0.00033	0.00000	0.00000	0.03927
NORTHEAST	0.00983	0.01428	0.00014	0.00001	0.00014	0.00007	0.00000	0.00000	0.02447
EAST-NORTHEAST	0.00970	0.01068	0.00006	0.00000	0.00000	0.00000	0.00000	0.00000	0.02044
EAST	0.00881	0.00887	0.00030	0.00000	0.00000	0.00000	0.00000	0.00000	0.01797
EAST-SOUTHEAST	0.00825	0.01013	0.00008	0.00006	0.00000	0.00000	0.00000	0.00000	0.01853
SOUTHEAST	0.00873	0.01205	0.00161	0.00001	0.00000	0.00000	0.00000	0.00000	0.02240
SOUTH-SOUTHEAST	0.00784	0.01291	0.00348	0.00017	0.00000	0.00000	0.00000	0.00000	0.02540
SOUTH	0.00847	0.01503	0.00608	0.00093	0.00014	0.00004	0.00000	0.00000	0.03069
SOUTH-SOUTHWEST	0.00780	0.01083	0.00885	0.00653	0.00246	0.00065	0.00017	0.00000	0.03729
SOUTHWEST	0.00577	0.00626	0.01056	0.01880	0.02246	0.02114	0.00639	0.00104	0.09242
WEST-SOUTHWEST	0.00746	0.00788	0.01080	0.01673	0.02218	0.01837	0.00423	0.00070	0.08835
WEST	0.00958	0.01400	0.00694	0.00657	0.00505	0.00350	0.00057	0.00018	0.04639
WEST-NORTHWEST	0.01340	0.03065	0.01834	0.00498	0.00103	0.00055	0.00025	0.00000	0.06922
NORTHWEST	0.01737	0.05897	0.06291	0.03905	0.00765	0.00077	0.00001	0.00000	0.18673
NORTH-NORTHWEST	0.01771	0.06697	0.06833	0.03491	0.00802	0.00047	0.00000	0.00000	0.19640
TOTAL:	0.16939	0.34559	0.21758	0.13353	0.07398	0.04639	0.01161	0.00192	1.00000

TABLE 5.2. Continued

STATION: 3 ARMY LOOP ROAD

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15924.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01608	0.03353	0.00962	0.00312	0.00044	0.00000	0.00000	0.00000	0.06280
NORTH-NORTHEAST	0.01571	0.02543	0.00513	0.00275	0.00173	0.00057	0.00000	0.00000	0.05131
NORTHEAST	0.01627	0.02900	0.00285	0.00021	0.00009	0.00068	0.00000	0.00000	0.04912
EAST-NORTHEAST	0.02060	0.03344	0.00286	0.00013	0.00000	0.00000	0.00000	0.00000	0.05703
EAST	0.02008	0.03515	0.00449	0.00052	0.00004	0.00000	0.00000	0.00000	0.06028
EAST-SOUTHEAST	0.01907	0.03572	0.00527	0.00217	0.00026	0.00018	0.00000	0.00000	0.06266
SOUTHEAST	0.01536	0.02212	0.00631	0.00172	0.00027	0.00001	0.00000	0.00000	0.04579
SOUTH-SOUTHEAST	0.00967	0.00690	0.00327	0.00170	0.00020	0.00002	0.00000	0.00000	0.02175
SOUTH	0.00756	0.00384	0.00186	0.00199	0.00053	0.00008	0.00000	0.00000	0.01585
SOUTH-SOUTHWEST	0.00700	0.00277	0.00274	0.00299	0.00298	0.00293	0.00038	0.00018	0.02198
SOUTHWEST	0.00768	0.00386	0.00263	0.00528	0.00715	0.00555	0.00213	0.00038	0.03466
WEST-SOUTHWEST	0.01156	0.00719	0.00396	0.00604	0.00480	0.00239	0.00069	0.00000	0.03662
WEST	0.01678	0.02728	0.01254	0.00545	0.00179	0.00052	0.00000	0.00000	0.06435
WEST-NORTHWEST	0.02681	0.07408	0.04313	0.00542	0.00066	0.00030	0.00000	0.00000	0.15040
NORTHWEST	0.02574	0.08457	0.04245	0.00633	0.00055	0.00021	0.00000	0.00000	0.15985
NORTH-NORTHWEST	0.02231	0.06055	0.01971	0.00286	0.00013	0.00000	0.00000	0.00000	0.10555
TOTAL:	0.25829	0.48543	0.16880	0.04867	0.02160	0.01344	0.00320	0.00057	1.00000

STATION: 4 RATTLESNAKE SPRINGS

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15674.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.02077	0.03125	0.00718	0.00077	0.00000	0.00000	0.00000	0.00000	0.05998
NORTH-NORTHEAST	0.02172	0.02838	0.00435	0.00348	0.00030	0.00000	0.00000	0.00000	0.05823
NORTHEAST	0.02017	0.02293	0.00146	0.00081	0.00104	0.00000	0.00000	0.00000	0.04640
EAST-NORTHEAST	0.01921	0.01101	0.00030	0.00000	0.00000	0.00000	0.00000	0.00000	0.03052
EAST	0.01790	0.01401	0.00055	0.00004	0.00000	0.00000	0.00000	0.00000	0.03251
EAST-SOUTHEAST	0.02037	0.02179	0.00139	0.00014	0.00000	0.00000	0.00000	0.00000	0.04369
SOUTHEAST	0.01407	0.00896	0.00082	0.00001	0.00000	0.00000	0.00000	0.00000	0.02386
SOUTH-SOUTHEAST	0.01342	0.00363	0.00081	0.00000	0.00006	0.00000	0.00000	0.00000	0.01792
SOUTH	0.01135	0.00352	0.00162	0.00061	0.00012	0.00028	0.00000	0.00000	0.01749
SOUTH-SOUTHWEST	0.01486	0.00687	0.00498	0.00583	0.00845	0.00355	0.00046	0.00000	0.04499
SOUTHWEST	0.02583	0.02591	0.00973	0.00992	0.00722	0.00212	0.00056	0.00006	0.08135
WEST-SOUTHWEST	0.03272	0.13379	0.08812	0.01262	0.00392	0.00101	0.00000	0.00000	0.27218
WEST	0.01911	0.04686	0.02540	0.01166	0.00234	0.00068	0.00000	0.00000	0.10605
WEST-NORTHWEST	0.01314	0.02192	0.01159	0.00739	0.00104	0.00021	0.00006	0.00000	0.05536
NORTHWEST	0.01154	0.02236	0.01397	0.00146	0.00014	0.00000	0.00000	0.00000	0.04948
NORTH-NORTHWEST	0.01487	0.02956	0.01424	0.00128	0.00006	0.00000	0.00000	0.00000	0.05999
TOTAL:	0.29106	0.43275	0.18649	0.05602	0.02469	0.00785	0.00108	0.00006	1.00000

TABLE 5.2. Continued

STATION: 5 EDNA RAILROAD CROSSING

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16041.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01345	0.03895	0.01609	0.00326	0.00027	0.00000	0.00000	0.00000	0.07202
NORTH-NORTHEAST	0.00866	0.01573	0.00683	0.00415	0.00247	0.00055	0.00000	0.00000	0.03838
NORTHEAST	0.00534	0.01209	0.00447	0.00181	0.00210	0.00102	0.00012	0.00000	0.02695
EAST-NORTHEAST	0.00541	0.00701	0.00108	0.00000	0.00016	0.00005	0.00000	0.00000	0.01371
EAST	0.00781	0.01235	0.00129	0.00004	0.00000	0.00000	0.00000	0.00000	0.02149
EAST-SOUTHEAST	0.01589	0.03744	0.01078	0.00082	0.00000	0.00000	0.00000	0.00000	0.06492
SOUTHEAST	0.02025	0.06411	0.01940	0.00265	0.00001	0.00000	0.00000	0.00000	0.10642
SOUTH-SOUTHEAST	0.02869	0.05585	0.00920	0.00283	0.00033	0.00002	0.00000	0.00000	0.09692
SOUTH	0.02776	0.02521	0.00610	0.00371	0.00089	0.00012	0.00004	0.00000	0.06382
SOUTH-SOUTHWEST	0.02299	0.01165	0.00505	0.00533	0.00249	0.00029	0.00008	0.00000	0.04787
SOUTHWEST	0.01809	0.00723	0.00429	0.00534	0.00313	0.00052	0.00019	0.00000	0.03880
WEST-SOUTHWEST	0.01749	0.00613	0.00454	0.00404	0.00159	0.00026	0.00000	0.00000	0.03404
WEST	0.02102	0.00828	0.00366	0.00205	0.00076	0.00030	0.00000	0.00000	0.03606
WEST-NORTHWEST	0.02956	0.03221	0.00683	0.00291	0.00103	0.00029	0.00005	0.00000	0.07288
NORTHWEST	0.03254	0.07819	0.01828	0.00182	0.00051	0.00002	0.00001	0.00000	0.13137
NORTH-NORTHWEST	0.02709	0.08112	0.02350	0.00252	0.00010	0.00000	0.00000	0.00000	0.13434
TOTAL:	0.30204	0.49355	0.14139	0.04326	0.01583	0.00343	0.00050	0.00000	1.00000

STATION: 6 200 EAST AREA

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15711.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01487	0.02124	0.00639	0.00288	0.00012	0.00000	0.00000	0.00000	0.04549
NORTH-NORTHEAST	0.01450	0.01939	0.00550	0.00424	0.00282	0.00024	0.00000	0.00000	0.04668
NORTHEAST	0.01338	0.02053	0.00216	0.00076	0.00063	0.00078	0.00013	0.00000	0.03836
EAST-NORTHEAST	0.01462	0.01624	0.00076	0.00000	0.00000	0.00000	0.00000	0.00000	0.03161
EAST	0.01452	0.02113	0.00103	0.00004	0.00000	0.00000	0.00000	0.00000	0.03673
EAST-SOUTHEAST	0.01559	0.03059	0.00287	0.00032	0.00000	0.00000	0.00000	0.00000	0.04938
SOUTHEAST	0.01175	0.03609	0.00765	0.00084	0.00002	0.00000	0.00000	0.00000	0.05635
SOUTH-SOUTHEAST	0.00987	0.02731	0.00983	0.00317	0.00011	0.00000	0.00000	0.00000	0.05028
SOUTH	0.00793	0.01403	0.00527	0.00267	0.00057	0.00008	0.00000	0.00000	0.03056
SOUTH-SOUTHWEST	0.00775	0.01088	0.00344	0.00413	0.00422	0.00157	0.00024	0.00006	0.03227
SOUTHWEST	0.00943	0.01162	0.00667	0.00819	0.00686	0.00360	0.00073	0.00001	0.04711
WEST-SOUTHWEST	0.00943	0.01912	0.01098	0.00800	0.00552	0.00212	0.00018	0.00000	0.05535
WEST	0.01236	0.03525	0.02493	0.00689	0.00122	0.00037	0.00000	0.00000	0.08102
WEST-NORTHWEST	0.01641	0.07881	0.08991	0.01415	0.00151	0.00032	0.00000	0.00000	0.20111
NORTHWEST	0.02167	0.06711	0.04132	0.00609	0.00034	0.00010	0.00001	0.00000	0.13664
NORTH-NORTHWEST	0.01801	0.03408	0.00757	0.00123	0.00006	0.00006	0.00006	0.00000	0.06106
TOTAL:	0.21208	0.46343	0.22627	0.06359	0.02400	0.00923	0.00134	0.00006	1.00000

TABLE 5.2. Continued

STATION: 7 200 WEST AREA

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 11728.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01878	0.03320	0.00662	0.00206	0.00011	0.00000	0.00000	0.00005	0.06082
NORTH-NORTHEAST	0.01400	0.01754	0.00458	0.00568	0.00214	0.00000	0.00000	0.00003	0.04399
NORTHEAST	0.01161	0.00901	0.00083	0.00113	0.00096	0.00000	0.00000	0.00000	0.02353
EAST-NORTHEAST	0.00847	0.00486	0.00016	0.00000	0.00000	0.00000	0.00000	0.00000	0.01349
EAST	0.00954	0.00613	0.00019	0.00014	0.00000	0.00000	0.00000	0.00000	0.01600
EAST-SOUTHEAST	0.01298	0.01279	0.00115	0.00019	0.00000	0.00000	0.00000	0.00000	0.02711
SOUTHEAST	0.01784	0.02185	0.00296	0.00030	0.00000	0.00000	0.00000	0.00000	0.04295
SOUTH-SOUTHEAST	0.02056	0.01571	0.00240	0.00070	0.00000	0.00000	0.00000	0.00000	0.03937
SOUTH	0.02134	0.01126	0.00210	0.00095	0.00000	0.00000	0.00000	0.00000	0.03564
SOUTH-SOUTHWEST	0.02686	0.01057	0.00470	0.00391	0.00257	0.00069	0.00007	0.00000	0.04938
SOUTHWEST	0.03679	0.01453	0.00787	0.01128	0.00919	0.00218	0.00037	0.00000	0.08221
WEST-SOUTHWEST	0.03662	0.02398	0.01025	0.01168	0.00574	0.00120	0.00015	0.00000	0.08964
WEST	0.03459	0.05053	0.01666	0.00734	0.00192	0.00049	0.00000	0.00000	0.11153
WEST-NORTHWEST	0.03411	0.08208	0.02377	0.00415	0.00051	0.00011	0.00000	0.00000	0.14472
NORTHWEST	0.02731	0.05954	0.03745	0.00539	0.00029	0.00010	0.00000	0.00000	0.13007
NORTH-NORTHWEST	0.02288	0.04645	0.01823	0.00189	0.00011	0.00000	0.00000	0.00000	0.08955
TOTAL:	0.35428	0.42002	0.13992	0.05679	0.02353	0.00477	0.00060	0.00009	1.00000

STATION: 8 WAHLUKE

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 14865.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01202	0.02606	0.01388	0.00595	0.00115	0.00013	0.00000	0.00000	0.05920
NORTH-NORTHEAST	0.01502	0.03158	0.02100	0.00940	0.00180	0.00045	0.00000	0.00000	0.07925
NORTHEAST	0.01779	0.04411	0.01059	0.00372	0.00100	0.00045	0.00000	0.00000	0.07764
EAST-NORTHEAST	0.02994	0.05784	0.01327	0.00207	0.00012	0.00000	0.00000	0.00000	0.10323
EAST	0.03517	0.05922	0.01604	0.00189	0.00008	0.00000	0.00000	0.00000	0.11240
EAST-SOUTHEAST	0.02077	0.03246	0.00302	0.00020	0.00000	0.00000	0.00000	0.00000	0.05645
SOUTHEAST	0.01743	0.01250	0.00096	0.00008	0.00007	0.00000	0.00000	0.00000	0.03104
SOUTH-SOUTHEAST	0.01468	0.00594	0.00112	0.00008	0.00000	0.00000	0.00000	0.00000	0.02182
SOUTH	0.01484	0.00692	0.00127	0.00056	0.00040	0.00000	0.00000	0.00000	0.02400
SOUTH-SOUTHWEST	0.01560	0.01056	0.00285	0.00197	0.00081	0.00045	0.00000	0.00000	0.03223
SOUTHWEST	0.01803	0.01168	0.00287	0.00454	0.00277	0.00110	0.00027	0.00000	0.04125
WEST-SOUTHWEST	0.01819	0.01957	0.00609	0.00293	0.00133	0.00107	0.00020	0.00000	0.04938
WEST	0.01916	0.04083	0.01376	0.00650	0.00135	0.00045	0.00000	0.00000	0.08206
WEST-NORTHWEST	0.02060	0.04772	0.02403	0.01419	0.00569	0.00151	0.00019	0.00000	0.11394
NORTHWEST	0.01789	0.03206	0.01080	0.00344	0.00160	0.00082	0.00001	0.00000	0.06662
NORTH-NORTHWEST	0.01511	0.02461	0.00768	0.00139	0.00046	0.00024	0.00000	0.00000	0.04949
TOTAL:	0.30225	0.46364	0.14921	0.05893	0.01863	0.00666	0.00067	0.00000	1.00000

TABLE 5.2. Continued

STATION: 9 FAST FLUX TEST FACILITY

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16148.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00914	0.03678	0.01333	0.00401	0.00041	0.00004	0.00000	0.00000	0.06372
NORTH-NORTHEAST	0.00846	0.03072	0.00948	0.00314	0.00314	0.00081	0.00000	0.00000	0.05575
NORTHEAST	0.00685	0.02115	0.00513	0.00054	0.00056	0.00088	0.00050	0.00000	0.03561
EAST-NORTHEAST	0.00574	0.01381	0.00163	0.00000	0.00000	0.00000	0.00000	0.00000	0.02118
EAST	0.00477	0.00836	0.00044	0.00004	0.00000	0.00000	0.00000	0.00000	0.01361
EAST-SOUTHEAST	0.00820	0.01245	0.00077	0.00013	0.00000	0.00000	0.00000	0.00000	0.02155
SOUTHEAST	0.00740	0.02251	0.01059	0.00087	0.00001	0.00000	0.00000	0.00000	0.04138
SOUTH-SOUTHEAST	0.00716	0.03924	0.03829	0.00671	0.00026	0.00000	0.00000	0.00000	0.09165
SOUTH	0.00819	0.03569	0.03069	0.01089	0.00142	0.00018	0.00000	0.00000	0.08707
SOUTH-SOUTHWEST	0.01088	0.02933	0.03121	0.02863	0.00939	0.00301	0.00049	0.00000	0.11295
SOUTHWEST	0.00998	0.01917	0.01356	0.01570	0.01108	0.00632	0.00206	0.00019	0.07804
WEST-SOUTHWEST	0.00751	0.01452	0.00533	0.00466	0.00289	0.00094	0.00012	0.00000	0.03596
WEST	0.00738	0.02055	0.00622	0.00210	0.00051	0.00008	0.00000	0.00000	0.03684
WEST-NORTHWEST	0.00857	0.04061	0.02101	0.00433	0.00053	0.00005	0.00000	0.00000	0.07511
NORTHWEST	0.01033	0.05389	0.05589	0.01027	0.00067	0.00026	0.00000	0.00000	0.13131
NORTH-NORTHWEST	0.01078	0.04771	0.03082	0.00824	0.00073	0.00000	0.00000	0.00000	0.09828
TOTAL:	0.13135	0.44649	0.27440	0.10026	0.03158	0.01257	0.00316	0.00019	1.00000

STATION: 10 YAKIMA BARRICADE

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16199.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01747	0.04119	0.01229	0.00238	0.00025	0.00000	0.00000	0.00000	0.07359
NORTH-NORTHEAST	0.01624	0.03106	0.00542	0.00327	0.00123	0.00000	0.00000	0.00000	0.05722
NORTHEAST	0.01314	0.01627	0.00153	0.00118	0.00105	0.00006	0.00000	0.00000	0.03323
EAST-NORTHEAST	0.01093	0.00938	0.00017	0.00005	0.00000	0.00000	0.00000	0.00000	0.02053
EAST	0.01068	0.00634	0.00022	0.00000	0.00000	0.00000	0.00000	0.00000	0.01724
EAST-SOUTHEAST	0.01342	0.00813	0.00060	0.00012	0.00000	0.00000	0.00000	0.00000	0.02227
SOUTHEAST	0.01243	0.01395	0.00137	0.00010	0.00006	0.00000	0.00000	0.00000	0.02792
SOUTH-SOUTHEAST	0.01634	0.01590	0.00246	0.00066	0.00002	0.00000	0.00000	0.00000	0.03537
SOUTH	0.01837	0.01286	0.00255	0.00093	0.00018	0.00008	0.00004	0.00000	0.03499
SOUTH-SOUTHWEST	0.02168	0.01016	0.00460	0.00445	0.00363	0.00105	0.00035	0.00000	0.04591
SOUTHWEST	0.02283	0.01408	0.00843	0.01009	0.00593	0.00261	0.00043	0.00000	0.06440
WEST-SOUTHWEST	0.02445	0.03177	0.01620	0.01112	0.00285	0.00181	0.00017	0.00000	0.08837
WEST	0.02300	0.05931	0.01858	0.00477	0.00092	0.00020	0.00000	0.00000	0.10678
WEST-NORTHWEST	0.01987	0.05175	0.02264	0.00397	0.00038	0.00005	0.00000	0.00000	0.09866
NORTHWEST	0.01633	0.05181	0.07118	0.02086	0.00117	0.00026	0.00007	0.00000	0.16168
NORTH-NORTHWEST	0.01673	0.04946	0.03541	0.00956	0.00055	0.00005	0.00005	0.00000	0.11182
TOTAL:	0.27391	0.42342	0.20365	0.07352	0.01821	0.00617	0.00111	0.00000	1.00000

TABLE 5.2. Continued

STATION: 11 300 AREA

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 13928.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00657	0.04508	0.04569	0.00948	0.00202	0.00009	0.00000	0.00000	0.10893
NORTH-NORTHEAST	0.00407	0.01433	0.01001	0.00403	0.00293	0.00066	0.00031	0.00000	0.03633
NORTHEAST	0.00300	0.00486	0.00137	0.00045	0.00066	0.00064	0.00040	0.00000	0.01139
EAST-NORTHEAST	0.00317	0.00269	0.00044	0.00016	0.00000	0.00000	0.00000	0.00000	0.00646
EAST	0.00364	0.00760	0.00205	0.00022	0.00000	0.00000	0.00000	0.00000	0.01352
EAST-SOUTHEAST	0.00637	0.03500	0.01365	0.00092	0.00000	0.00000	0.00000	0.00000	0.05594
SOUTHEAST	0.00677	0.05419	0.02149	0.00096	0.00097	0.00000	0.00000	0.00000	0.08347
SOUTH-SOUTHEAST	0.00915	0.03736	0.01041	0.00100	0.00000	0.00000	0.00000	0.00000	0.05791
SOUTH	0.00932	0.03186	0.01435	0.00267	0.00073	0.00004	0.00000	0.00000	0.05896
SOUTH-SOUTHWEST	0.01153	0.02733	0.02245	0.01494	0.00486	0.00218	0.00019	0.00000	0.08349
SOUTHWEST	0.01773	0.02152	0.02480	0.02335	0.01548	0.00777	0.00297	0.00022	0.11384
WEST-SOUTHWEST	0.01323	0.02043	0.01326	0.00889	0.00295	0.00137	0.00007	0.00000	0.06020
WEST	0.01233	0.01510	0.00349	0.00193	0.00065	0.00004	0.00000	0.00000	0.03355
WEST-NORTHWEST	0.01243	0.02281	0.00296	0.00130	0.00030	0.00000	0.00000	0.00000	0.03980
NORTHWEST	0.01250	0.04628	0.01808	0.00626	0.00104	0.00000	0.00000	0.00000	0.08417
NORTH-NORTHWEST	0.01324	0.07168	0.05160	0.01419	0.00127	0.00005	0.00000	0.00000	0.15203
TOTAL:	0.14503	0.45814	0.25610	0.09075	0.03296	0.01285	0.00395	0.00022	1.00000

STATION: 12 WYE BARRICADE

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16171.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00770	0.02464	0.00812	0.00435	0.00047	0.00000	0.00000	0.00000	0.04527
NORTH-NORTHEAST	0.00483	0.01251	0.00335	0.00279	0.00252	0.00039	0.00000	0.00000	0.02640
NORTHEAST	0.00455	0.00769	0.00126	0.00023	0.00032	0.00078	0.00037	0.00000	0.01520
EAST-NORTHEAST	0.00553	0.00973	0.00083	0.00000	0.00000	0.00000	0.00000	0.00000	0.01610
EAST	0.00690	0.01309	0.00098	0.00010	0.00000	0.00000	0.00000	0.00000	0.02107
EAST-SOUTHEAST	0.00873	0.01725	0.00133	0.00021	0.00000	0.00000	0.00000	0.00000	0.02752
SOUTHEAST	0.00961	0.01926	0.00591	0.00099	0.00002	0.00000	0.00000	0.00000	0.03579
SOUTH-SOUTHEAST	0.01006	0.03146	0.01572	0.00321	0.00052	0.00006	0.00000	0.00000	0.06104
SOUTH	0.00860	0.03608	0.02222	0.00821	0.00099	0.00018	0.00000	0.00000	0.07626
SOUTH-SOUTHWEST	0.01209	0.03063	0.02160	0.01366	0.00552	0.00239	0.00022	0.00000	0.08610
SOUTHWEST	0.01454	0.03223	0.01886	0.01180	0.01000	0.00616	0.00103	0.00000	0.09463
WEST-SOUTHWEST	0.01187	0.03844	0.01503	0.00562	0.00283	0.00131	0.00018	0.00000	0.07527
WEST	0.01135	0.04806	0.02584	0.00516	0.00107	0.00023	0.00000	0.00000	0.09172
WEST-NORTHWEST	0.01129	0.05280	0.05687	0.01560	0.00068	0.00034	0.00005	0.00000	0.13763
NORTHWEST	0.01042	0.04998	0.04401	0.00695	0.00094	0.00016	0.00001	0.00000	0.11247
NORTH-NORTHWEST	0.01024	0.04122	0.02095	0.00503	0.00002	0.00005	0.00000	0.00000	0.07752
TOTAL:	0.14829	0.46509	0.26288	0.08392	0.02591	0.01206	0.00186	0.00000	1.00000

TABLE 5.2. Continued

STATION: 13 100 - N AREA

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16018.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01721	0.01646	0.00597	0.00225	0.00150	0.00034	0.00000	0.00000	0.04372
NORTH-NORTHEAST	0.01394	0.01555	0.00661	0.00420	0.00186	0.00073	0.00000	0.00000	0.04287
NORTHEAST	0.01454	0.02018	0.00277	0.00142	0.00169	0.00214	0.00012	0.00000	0.04286
EAST-NORTHEAST	0.01658	0.02877	0.00284	0.00029	0.00044	0.00016	0.00000	0.00000	0.04909
EAST	0.02229	0.03772	0.00265	0.00000	0.00000	0.00000	0.00000	0.00000	0.06266
EAST-SOUTHEAST	0.02923	0.04248	0.00374	0.00019	0.00000	0.00000	0.00000	0.00000	0.07563
SOUTHEAST	0.02707	0.03665	0.00570	0.00066	0.00006	0.00000	0.00000	0.00000	0.07013
SOUTH-SOUTHEAST	0.02238	0.02477	0.00324	0.00045	0.00000	0.00000	0.00000	0.00000	0.05084
SOUTH	0.02277	0.02109	0.00197	0.00067	0.00012	0.00008	0.00000	0.00000	0.04670
SOUTH-SOUTHWEST	0.02741	0.02237	0.00536	0.00339	0.00360	0.00054	0.00000	0.00000	0.06267
SOUTHWEST	0.02880	0.03380	0.00826	0.00613	0.00311	0.00078	0.00000	0.00000	0.08086
WEST-SOUTHWEST	0.02745	0.05491	0.01338	0.00384	0.00165	0.00029	0.00000	0.00000	0.10152
WEST	0.02438	0.04927	0.01128	0.00311	0.00096	0.00006	0.00000	0.00000	0.08906
WEST-NORTHWEST	0.02613	0.03629	0.00799	0.00324	0.00124	0.00048	0.00005	0.00000	0.07542
NORTHWEST	0.02407	0.02431	0.00510	0.00212	0.00071	0.00016	0.00002	0.00000	0.05649
NORTH-NORTHWEST	0.01998	0.02004	0.00565	0.00314	0.00044	0.00017	0.00005	0.00000	0.04948
TOTAL:	0.36422	0.48464	0.09252	0.03509	0.01736	0.00593	0.00025	0.00000	1.00000

STATION: 14 WNP - 2 FACILITY

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16028.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01454	0.04098	0.01354	0.00417	0.00081	0.00000	0.00000	0.00000	0.07405
NORTH-NORTHEAST	0.01062	0.02348	0.00585	0.00249	0.00144	0.00027	0.00000	0.00000	0.04416
NORTHEAST	0.00973	0.01782	0.00380	0.00087	0.00051	0.00048	0.00000	0.00000	0.03321
EAST-NORTHEAST	0.00788	0.01178	0.00154	0.00000	0.00000	0.00000	0.00000	0.00000	0.02119
EAST	0.00671	0.00385	0.00034	0.00000	0.00000	0.00000	0.00000	0.00000	0.01091
EAST-SOUTHEAST	0.00781	0.00452	0.00059	0.00012	0.00000	0.00000	0.00000	0.00000	0.01304
SOUTHEAST	0.00827	0.01317	0.00455	0.00039	0.00000	0.00000	0.00000	0.00000	0.02638
SOUTH-SOUTHEAST	0.01235	0.03601	0.01944	0.00306	0.00007	0.00000	0.00000	0.00000	0.07093
SOUTH	0.01788	0.04923	0.03030	0.00766	0.00092	0.00008	0.00000	0.00000	0.10606
SOUTH-SOUTHWEST	0.02270	0.03635	0.02085	0.01561	0.00633	0.00221	0.00011	0.00000	0.10416
SOUTHWEST	0.02417	0.01786	0.01040	0.01157	0.00723	0.00250	0.00020	0.00000	0.07393
WEST-SOUTHWEST	0.02319	0.01513	0.00507	0.00331	0.00226	0.00027	0.00000	0.00000	0.04923
WEST	0.02319	0.01948	0.00416	0.00114	0.00026	0.00000	0.00000	0.00000	0.04822
WEST-NORTHWEST	0.02754	0.03650	0.01310	0.00211	0.00013	0.00005	0.00000	0.00000	0.07944
NORTHWEST	0.03016	0.06673	0.02260	0.00405	0.00047	0.00019	0.00001	0.00000	0.12420
NORTH-NORTHWEST	0.02495	0.06694	0.02418	0.00435	0.00041	0.00000	0.00005	0.00000	0.12087
TOTAL:	0.27171	0.45982	0.18031	0.06089	0.02084	0.00605	0.00037	0.00000	1.00000

TABLE 5.2. Continued

STATION: 15 FRANKLIN COUNTY

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15197.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00924	0.04054	0.02558	0.00357	0.00008	0.00000	0.00000	0.00000	0.07901
NORTH-NORTHEAST	0.00676	0.03231	0.01509	0.00469	0.00132	0.00023	0.00000	0.00000	0.06040
NORTHEAST	0.00580	0.01905	0.00618	0.00205	0.00228	0.00141	0.00000	0.00000	0.03677
EAST-NORTHEAST	0.00510	0.00974	0.00141	0.00030	0.00000	0.00000	0.00000	0.00000	0.01656
EAST	0.00506	0.01160	0.00273	0.00035	0.00000	0.00000	0.00000	0.00000	0.01974
EAST-SOUTHEAST	0.00839	0.02198	0.00781	0.00060	0.00000	0.00000	0.00000	0.00000	0.03877
SOUTHEAST	0.01158	0.03895	0.02058	0.00211	0.00013	0.00000	0.00000	0.00000	0.07335
SOUTH-SOUTHEAST	0.01509	0.03805	0.01902	0.00215	0.00005	0.00000	0.00000	0.00000	0.07435
SOUTH	0.01301	0.02128	0.01824	0.00689	0.00067	0.00015	0.00000	0.00000	0.06024
SOUTH-SOUTHWEST	0.01059	0.01889	0.03221	0.02744	0.00755	0.00224	0.00088	0.00000	0.09979
SOUTHWEST	0.00841	0.01902	0.02591	0.03172	0.01109	0.00772	0.00162	0.00046	0.10593
WEST-SOUTHWEST	0.01116	0.01527	0.00609	0.00477	0.00265	0.00157	0.00009	0.00000	0.04160
WEST	0.01554	0.01505	0.00229	0.00101	0.00021	0.00004	0.00004	0.00000	0.03418
WEST-NORTHWEST	0.01324	0.02540	0.00460	0.00090	0.00047	0.00000	0.00000	0.00000	0.04461
NORTHWEST	0.01150	0.05142	0.02888	0.00272	0.00009	0.00007	0.00000	0.00000	0.09469
NORTH-NORTHWEST	0.01069	0.05510	0.04792	0.00610	0.00012	0.00006	0.00000	0.00000	0.12000
TOTAL:	0.16115	0.43364	0.26453	0.09739	0.02672	0.01349	0.00263	0.00046	1.00000

STATION: 16 GABLE MOUNTAIN

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15349.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00959	0.03795	0.02411	0.01450	0.00556	0.00100	0.00011	0.00000	0.09282
NORTH-NORTHEAST	0.00907	0.03183	0.02306	0.01069	0.00648	0.00248	0.00020	0.00000	0.08381
NORTHEAST	0.00821	0.02151	0.00909	0.00226	0.00090	0.00188	0.00191	0.00104	0.04679
EAST-NORTHEAST	0.00613	0.00954	0.00134	0.00011	0.00000	0.00000	0.00000	0.00000	0.01713
EAST	0.00479	0.00941	0.00135	0.00008	0.00000	0.00000	0.00000	0.00000	0.01563
EAST-SOUTHEAST	0.00536	0.00919	0.00174	0.00023	0.00000	0.00000	0.00000	0.00000	0.01652
SOUTHEAST	0.00579	0.01420	0.00647	0.00130	0.00026	0.00000	0.00000	0.00000	0.02803
SOUTH-SOUTHEAST	0.00746	0.02275	0.01744	0.00722	0.00301	0.00045	0.00002	0.00000	0.05837
SOUTH	0.00970	0.03539	0.02634	0.01208	0.00615	0.00222	0.00055	0.00025	0.09267
SOUTH-SOUTHWEST	0.01252	0.03135	0.01560	0.00773	0.00543	0.00352	0.00275	0.00120	0.08009
SOUTHWEST	0.01261	0.02341	0.00972	0.00976	0.00797	0.00696	0.00412	0.00193	0.07649
WEST-SOUTHWEST	0.01075	0.01803	0.00986	0.00949	0.00643	0.00353	0.00143	0.00062	0.06013
WEST	0.01083	0.01679	0.01090	0.00896	0.00502	0.00094	0.00023	0.00004	0.05370
WEST-NORTHWEST	0.01097	0.02586	0.02221	0.01529	0.00738	0.00228	0.00020	0.00013	0.08431
NORTHWEST	0.01097	0.03754	0.03641	0.01573	0.00193	0.00051	0.00034	0.00007	0.10350
NORTH-NORTHWEST	0.01242	0.03808	0.02763	0.01018	0.00139	0.00030	0.00000	0.00000	0.09001
TOTAL:	0.14718	0.38283	0.24327	0.12561	0.05792	0.02606	0.01186	0.00528	1.00000

TABLE 5.2. Continued

STATION: 17 RINGOLD

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15337.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.02011	0.02686	0.00866	0.00081	0.00007	0.00000	0.00000	0.00000	0.05651
NORTH-NORTHEAST	0.02841	0.03240	0.00591	0.00156	0.00218	0.00011	0.00000	0.00000	0.07057
NORTHEAST	0.03762	0.09334	0.00654	0.00182	0.00239	0.00034	0.00000	0.00000	0.14204
EAST-NORTHEAST	0.03443	0.05145	0.00325	0.00000	0.00012	0.00000	0.00000	0.00000	0.08925
EAST	0.02468	0.01529	0.00025	0.00000	0.00000	0.00000	0.00000	0.00000	0.04022
EAST-SOUTHEAST	0.02069	0.00814	0.00062	0.00000	0.00000	0.00000	0.00000	0.00000	0.02945
SOUTHEAST	0.01310	0.00740	0.00083	0.00004	0.00000	0.00000	0.00000	0.00000	0.02137
SOUTH-SOUTHEAST	0.01406	0.01276	0.00183	0.00064	0.00000	0.00000	0.00000	0.00000	0.02928
SOUTH	0.01579	0.01532	0.00587	0.00066	0.00008	0.00000	0.00000	0.00000	0.03772
SOUTH-SOUTHWEST	0.02038	0.02564	0.03003	0.01227	0.00273	0.00035	0.00000	0.00000	0.09140
SOUTHWEST	0.03115	0.02990	0.02390	0.01475	0.00550	0.00128	0.00039	0.00000	0.10687
WEST-SOUTHWEST	0.03614	0.03964	0.00869	0.00315	0.00124	0.00011	0.00000	0.00000	0.08898
WEST	0.02169	0.02666	0.00796	0.00209	0.00042	0.00028	0.00000	0.00000	0.05910
WEST-NORTHWEST	0.01696	0.01734	0.00814	0.00303	0.00056	0.00026	0.00000	0.00000	0.04630
NORTHWEST	0.01495	0.02254	0.00500	0.00065	0.00015	0.00000	0.00000	0.00000	0.04329
NORTH-NORTHWEST	0.01766	0.02704	0.00280	0.00012	0.00000	0.00000	0.00000	0.00000	0.04763
TOTAL:	0.36780	0.45172	0.12030	0.04160	0.01545	0.00274	0.00039	0.00000	1.00000

STATION: 18 RICHLAND AIRPORT

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15936.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01031	0.02604	0.01381	0.00404	0.00159	0.00012	0.00000	0.00000	0.05591
NORTH-NORTHEAST	0.00622	0.00994	0.00288	0.00167	0.00100	0.00059	0.00005	0.00006	0.02241
NORTHEAST	0.00683	0.00747	0.00085	0.00046	0.00070	0.00075	0.00020	0.00000	0.01726
EAST-NORTHEAST	0.00658	0.00754	0.00051	0.00011	0.00000	0.00000	0.00000	0.00000	0.01474
EAST	0.00959	0.01526	0.00061	0.00004	0.00000	0.00000	0.00000	0.00000	0.02549
EAST-SOUTHEAST	0.01486	0.02906	0.00158	0.00002	0.00000	0.00000	0.00000	0.00000	0.04553
SOUTHEAST	0.01715	0.02919	0.00271	0.00014	0.00000	0.00000	0.00000	0.00000	0.04919
SOUTH-SOUTHEAST	0.01323	0.01973	0.00200	0.00013	0.00000	0.00000	0.00000	0.00000	0.03509
SOUTH	0.01306	0.01591	0.00448	0.00085	0.00036	0.00016	0.00004	0.00000	0.03486
SOUTH-SOUTHWEST	0.01597	0.02398	0.01599	0.00974	0.00400	0.00100	0.00002	0.00000	0.07070
SOUTHWEST	0.02123	0.03102	0.02923	0.02277	0.01323	0.00340	0.00006	0.00000	0.12094
WEST-SOUTHWEST	0.03047	0.03618	0.02543	0.01082	0.00372	0.00118	0.00000	0.00000	0.10780
WEST	0.02643	0.03618	0.01180	0.00267	0.00082	0.00004	0.00000	0.00000	0.07794
WEST-NORTHWEST	0.02352	0.05200	0.00804	0.00131	0.00019	0.00000	0.00000	0.00000	0.08506
NORTHWEST	0.02184	0.06159	0.02840	0.01104	0.00229	0.00050	0.00000	0.00000	0.12567
NORTH-NORTHWEST	0.01747	0.04640	0.03221	0.01261	0.00260	0.00011	0.00000	0.00000	0.11141
TOTAL:	0.25477	0.44748	0.18053	0.07844	0.03050	0.00784	0.00038	0.00006	1.00000

TABLE 5.2. Continued

STATION: 19 SAGEHILL

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 2/26/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 14426.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01245	0.04650	0.02230	0.00320	0.00013	0.00000	0.00000	0.00000	0.08459
NORTH-NORTHEAST	0.01042	0.03803	0.01859	0.00659	0.00191	0.00000	0.00000	0.00000	0.07553
NORTHEAST	0.01009	0.03939	0.01340	0.00273	0.00239	0.00069	0.00000	0.00000	0.06870
EAST-NORTHEAST	0.01094	0.03346	0.00775	0.00036	0.00000	0.00000	0.00000	0.00000	0.05251
EAST	0.01010	0.02635	0.00422	0.00013	0.00000	0.00000	0.00000	0.00000	0.04080
EAST-SOUTHEAST	0.01750	0.03667	0.00672	0.00038	0.00000	0.00000	0.00000	0.00000	0.06128
SOUTHEAST	0.01371	0.03655	0.01183	0.00126	0.00000	0.00000	0.00000	0.00000	0.06334
SOUTH-SOUTHEAST	0.01457	0.03697	0.02250	0.00409	0.00027	0.00000	0.00000	0.00000	0.07841
SOUTH	0.01380	0.03352	0.03089	0.01066	0.00238	0.00009	0.00000	0.00000	0.09135
SOUTH-SOUTHWEST	0.01471	0.02191	0.01658	0.00897	0.00340	0.00140	0.00000	0.00000	0.06697
SOUTHWEST	0.01833	0.01611	0.00938	0.00468	0.00183	0.00059	0.00014	0.00007	0.05112
WEST-SOUTHWEST	0.01211	0.01767	0.00851	0.00426	0.00040	0.00000	0.00000	0.00000	0.04295
WEST	0.01216	0.02048	0.00575	0.00157	0.00009	0.00000	0.00000	0.00000	0.04004
WEST-NORTHWEST	0.01275	0.02308	0.00457	0.00234	0.00036	0.00006	0.00000	0.00000	0.04316
NORTHWEST	0.01512	0.03092	0.00351	0.00050	0.00016	0.00001	0.00000	0.00000	0.05021
NORTH-NORTHWEST	0.01742	0.05715	0.01349	0.00090	0.00008	0.00000	0.00000	0.00000	0.08904
TOTAL:	0.21621	0.51477	0.19999	0.05261	0.01338	0.00284	0.00014	0.00007	1.00000

STATION: 20 RATTLESNAKE MOUNTAIN

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 2/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 14606.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00272	0.01475	0.02520	0.01963	0.01125	0.00616	0.00247	0.00228	0.08445
NORTH-NORTHEAST	0.00353	0.01733	0.02095	0.02206	0.01626	0.01203	0.00616	0.00784	0.10614
NORTHEAST	0.00253	0.01164	0.00731	0.00590	0.00338	0.00234	0.00147	0.00323	0.03781
EAST-NORTHEAST	0.00236	0.00619	0.00320	0.00122	0.00045	0.00000	0.00000	0.00018	0.01360
EAST	0.00256	0.00426	0.00247	0.00086	0.00004	0.00007	0.00000	0.00000	0.01026
EAST-SOUTHEAST	0.00338	0.00478	0.00286	0.00041	0.00006	0.00000	0.00000	0.00000	0.01148
SOUTHEAST	0.00238	0.00472	0.00403	0.00108	0.00003	0.00000	0.00000	0.00000	0.01224
SOUTH-SOUTHEAST	0.00229	0.00479	0.00616	0.00343	0.00102	0.00029	0.00031	0.00016	0.01846
SOUTH	0.00315	0.00699	0.00896	0.00908	0.00446	0.00229	0.00143	0.00050	0.03687
SOUTH-SOUTHWEST	0.00679	0.01096	0.01678	0.02057	0.01727	0.01550	0.01343	0.01641	0.11773
SOUTHWEST	0.00626	0.02032	0.03708	0.03793	0.03725	0.04320	0.03216	0.04030	0.25451
WEST-SOUTHWEST	0.00387	0.01392	0.02313	0.02633	0.02486	0.02343	0.01659	0.01595	0.14809
WEST	0.00186	0.01002	0.01139	0.01132	0.00923	0.00533	0.00186	0.00132	0.05233
WEST-NORTHWEST	0.00181	0.00716	0.00525	0.00404	0.00367	0.00055	0.00020	0.00003	0.02271
NORTHWEST	0.00187	0.00842	0.00696	0.00620	0.00359	0.00045	0.00008	0.00001	0.02757
NORTH-NORTHWEST	0.00250	0.01305	0.01602	0.01011	0.00283	0.00103	0.00010	0.00011	0.04574
TOTAL:	0.04986	0.15929	0.19777	0.18018	0.13564	0.11267	0.07627	0.08833	1.00000

TABLE 5.2. Continued

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16318.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.02119	0.02295	0.00354	0.00104	0.00063	0.00010	0.00000	0.00000	0.04945
NORTH-NORTHEAST	0.01965	0.01419	0.00287	0.00421	0.00180	0.00038	0.00000	0.00000	0.04310
NORTHEAST	0.01805	0.01239	0.00152	0.00132	0.00037	0.00002	0.00000	0.00000	0.03365
EAST-NORTHEAST	0.01544	0.01036	0.00033	0.00005	0.00000	0.00000	0.00000	0.00000	0.02619
EAST	0.01561	0.01070	0.00054	0.00000	0.00000	0.00000	0.00000	0.00000	0.02686
EAST-SOUTHEAST	0.01890	0.01456	0.00116	0.00000	0.00000	0.00000	0.00000	0.00000	0.03462
SOUTHEAST	0.02144	0.02400	0.00323	0.00044	0.00002	0.00000	0.00000	0.00000	0.04913
SOUTH-SOUTHEAST	0.01458	0.02041	0.00395	0.00169	0.00024	0.00006	0.00000	0.00000	0.04092
SOUTH	0.01383	0.01547	0.00280	0.00263	0.00064	0.00004	0.00010	0.00000	0.03550
SOUTH-SOUTHWEST	0.01217	0.01428	0.00522	0.00705	0.00447	0.00183	0.00019	0.00000	0.04521
SOUTHWEST	0.01217	0.01756	0.01025	0.01095	0.00575	0.00185	0.00044	0.00006	0.05905
WEST-SOUTHWEST	0.01592	0.02589	0.01484	0.00822	0.00247	0.00057	0.00000	0.00000	0.06791
WEST	0.01626	0.03675	0.01478	0.00348	0.00073	0.00031	0.00000	0.00000	0.07230
WEST-NORTHWEST	0.02351	0.07289	0.04871	0.00539	0.00040	0.00017	0.00000	0.00000	0.15107
NORTHWEST	0.02434	0.08774	0.06055	0.00669	0.00018	0.00026	0.00000	0.00000	0.17976
NORTH-NORTHWEST	0.02601	0.04593	0.01213	0.00121	0.00002	0.00000	0.00000	0.00000	0.08530
TOTAL:	0.28907	0.44607	0.18642	0.05436	0.01771	0.00558	0.00074	0.00006	1.00000

STATION: 22 PASCO AIRPORT

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 8926.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01531	0.03745	0.01452	0.00640	0.00109	0.00043	0.00000	0.00000	0.07520
NORTH-NORTHEAST	0.00952	0.01659	0.00595	0.00269	0.00143	0.00059	0.00000	0.00000	0.03677
NORTHEAST	0.00907	0.01188	0.00223	0.00025	0.00109	0.00006	0.00000	0.00000	0.02458
EAST-NORTHEAST	0.01000	0.01871	0.00325	0.00048	0.00000	0.00000	0.00000	0.00000	0.03243
EAST	0.00977	0.02951	0.00546	0.00168	0.00000	0.00000	0.00000	0.00000	0.04642
EAST-SOUTHEAST	0.00879	0.03357	0.01008	0.00182	0.00010	0.00000	0.00000	0.00000	0.05436
SOUTHEAST	0.00760	0.02535	0.00906	0.00165	0.00015	0.00000	0.00000	0.00000	0.04382
SOUTH-SOUTHEAST	0.00534	0.01543	0.00570	0.00139	0.00028	0.00000	0.00000	0.00000	0.02813
SOUTH	0.00567	0.01475	0.01276	0.01028	0.00203	0.00014	0.00007	0.00000	0.04570
SOUTH-SOUTHWEST	0.00373	0.01468	0.02088	0.02798	0.00794	0.00218	0.00014	0.00000	0.07753
SOUTHWEST	0.00499	0.01529	0.02063	0.02746	0.01384	0.00457	0.00116	0.00014	0.08807
WEST-SOUTHWEST	0.00513	0.01851	0.01487	0.01423	0.00961	0.01102	0.00342	0.00125	0.07803
WEST	0.00634	0.03224	0.01353	0.00627	0.00189	0.00069	0.00014	0.00007	0.06117
WEST-NORTHWEST	0.00853	0.04892	0.02480	0.00756	0.00122	0.00032	0.00000	0.00000	0.09135
NORTHWEST	0.01158	0.05343	0.03930	0.01349	0.00070	0.00001	0.00000	0.00000	0.11850
NORTH-NORTHWEST	0.01396	0.04952	0.02385	0.01036	0.00020	0.00004	0.00000	0.00000	0.09793
TOTAL:	0.13533	0.43581	0.22687	0.13399	0.04156	0.02005	0.00493	0.00146	1.00000

TABLE 5.2. Continued

STATION: 23 100 - F AREA

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 6357.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01431	0.01414	0.00358	0.00110	0.00000	0.00000	0.00000	0.00000	0.03313
NORTH-NORTHEAST	0.01253	0.01184	0.00303	0.00492	0.00539	0.00045	0.00000	0.00000	0.03815
NORTHEAST	0.01231	0.01292	0.00189	0.00142	0.00248	0.00128	0.00000	0.00000	0.03229
EAST-NORTHEAST	0.01516	0.01797	0.00187	0.00012	0.00006	0.00000	0.00000	0.00000	0.03518
EAST	0.01581	0.01933	0.00309	0.00035	0.00085	0.00000	0.00000	0.00000	0.03943
EAST-SOUTHEAST	0.01404	0.01660	0.00144	0.00057	0.00124	0.00014	0.00000	0.00000	0.03402
SOUTHEAST	0.02114	0.05105	0.01463	0.00142	0.00075	0.00081	0.00002	0.00000	0.08980
SOUTH-SOUTHEAST	0.02611	0.06229	0.01461	0.00114	0.00088	0.00000	0.00014	0.00000	0.10518
SOUTH	0.01789	0.01740	0.00246	0.00161	0.00000	0.00020	0.00000	0.00000	0.03956
SOUTH-SOUTHWEST	0.01679	0.00950	0.00419	0.00321	0.00163	0.00026	0.00000	0.00000	0.03557
SOUTHWEST	0.01520	0.00826	0.00551	0.00555	0.00130	0.00051	0.00000	0.00000	0.03632
WEST-SOUTHWEST	0.01960	0.01455	0.00954	0.00735	0.00364	0.00014	0.00000	0.00000	0.05482
WEST	0.02310	0.04409	0.02686	0.00665	0.00116	0.00000	0.00000	0.00000	0.10186
WEST-NORTHWEST	0.03107	0.10599	0.05341	0.00881	0.00208	0.00016	0.00000	0.00000	0.20151
NORTHWEST	0.02725	0.04218	0.00842	0.00210	0.00043	0.00000	0.00000	0.00000	0.08038
NORTH-NORTHWEST	0.01750	0.01770	0.00533	0.00214	0.00014	0.00000	0.00000	0.00000	0.04281
TOTAL:	0.29983	0.46579	0.15982	0.04845	0.02202	0.00393	0.00016	0.00000	1.00000

STATION: 24 GABLE WEST

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 6710.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01651	0.02027	0.01002	0.00196	0.00009	0.00000	0.00000	0.00000	0.04885
NORTH-NORTHEAST	0.01364	0.01883	0.00857	0.00496	0.00628	0.00177	0.00013	0.00000	0.05417
NORTHEAST	0.01038	0.01092	0.00229	0.00117	0.00162	0.00076	0.00017	0.00000	0.02731
EAST-NORTHEAST	0.00926	0.01142	0.00231	0.00013	0.00000	0.00000	0.00000	0.00000	0.02312
EAST	0.01030	0.01064	0.00129	0.00000	0.00000	0.00000	0.00000	0.00000	0.02222
EAST-SOUTHEAST	0.01665	0.01628	0.00216	0.00052	0.00000	0.00000	0.00000	0.00000	0.03562
SOUTHEAST	0.02293	0.06034	0.02742	0.00279	0.00030	0.00000	0.00000	0.00000	0.11379
SOUTH-SOUTHEAST	0.02075	0.07450	0.02202	0.00218	0.00035	0.00000	0.00000	0.00000	0.11980
SOUTH	0.02254	0.02055	0.00306	0.00171	0.00056	0.00000	0.00000	0.00000	0.04842
SOUTH-SOUTHWEST	0.01991	0.01066	0.00360	0.00296	0.00304	0.00052	0.00000	0.00000	0.04069
SOUTHWEST	0.02178	0.01002	0.00374	0.00604	0.00345	0.00129	0.00015	0.00000	0.04646
WEST-SOUTHWEST	0.02891	0.02345	0.00650	0.00481	0.00147	0.00013	0.00000	0.00000	0.06528
WEST	0.03808	0.05529	0.00825	0.00401	0.00134	0.00015	0.00000	0.00000	0.10712
WEST-NORTHWEST	0.03988	0.06325	0.00872	0.00453	0.00142	0.00015	0.00000	0.00000	0.11794
NORTHWEST	0.02897	0.04022	0.00371	0.00127	0.00017	0.00030	0.00000	0.00000	0.07463
NORTH-NORTHWEST	0.02228	0.02506	0.00482	0.00225	0.00019	0.00000	0.00000	0.00000	0.05460
TOTAL:	0.34277	0.47168	0.11848	0.04128	0.02027	0.00507	0.00045	0.00000	1.00000

TABLE 5.2. Continued

STATION: 25 VERNITA BRIDGE

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 2/ 8/88 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 3166.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00948	0.00648	0.00383	0.00387	0.00265	0.00000	0.00000	0.00000	0.02630
NORTH-NORTHEAST	0.00940	0.00782	0.00190	0.00340	0.00249	0.00000	0.00000	0.00000	0.02499
NORTHEAST	0.00801	0.01394	0.00162	0.00557	0.00545	0.00000	0.00000	0.00000	0.03459
EAST-NORTHEAST	0.01299	0.03435	0.00584	0.00087	0.00028	0.00000	0.00000	0.00000	0.05433
EAST	0.01982	0.05563	0.00553	0.00000	0.00000	0.00000	0.00000	0.00000	0.08098
EAST-SOUTHEAST	0.01883	0.05393	0.00332	0.00000	0.00000	0.00000	0.00000	0.00000	0.07608
SOUTHEAST	0.02294	0.03463	0.00111	0.00032	0.00000	0.00000	0.00000	0.00000	0.05899
SOUTH-SOUTHEAST	0.01457	0.01927	0.00055	0.00024	0.00000	0.00000	0.00000	0.00000	0.03463
SOUTH	0.01753	0.00916	0.00079	0.00039	0.00000	0.00000	0.00000	0.00000	0.02787
SOUTH-SOUTHWEST	0.01433	0.00750	0.00178	0.00253	0.00454	0.00225	0.00000	0.00000	0.03293
SOUTHWEST	0.01654	0.00529	0.00308	0.00541	0.00517	0.00284	0.00063	0.00000	0.03897
WEST-SOUTHWEST	0.01958	0.03834	0.01390	0.00533	0.00371	0.00071	0.00012	0.00000	0.08169
WEST	0.02021	0.06969	0.07549	0.00983	0.00170	0.00039	0.00039	0.00000	0.17771
WEST-NORTHWEST	0.01196	0.04442	0.06688	0.02057	0.00296	0.00039	0.00012	0.00000	0.14731
NORTHWEST	0.00644	0.01828	0.02373	0.01232	0.00371	0.00134	0.00000	0.00000	0.06582
NORTH-NORTHWEST	0.00730	0.01275	0.00861	0.00675	0.00114	0.00028	0.00000	0.00000	0.03684
TOTAL:	0.22994	0.43146	0.21794	0.07738	0.03380	0.00821	0.00126	0.00000	1.00000

TABLE 5.3. Frequency Distribution of Wind Direction and Wind Speed at Monitoring Sites--Spring Season

STATION: 1 PROSSER BARRICADE

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16293.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01031	0.03063	0.02100	0.00636	0.00048	0.00012	0.00000	0.00000	0.06890
NORTH-NORTHEAST	0.00757	0.02056	0.01238	0.00244	0.00035	0.00000	0.00000	0.00000	0.04330
NORTHEAST	0.00628	0.01148	0.00360	0.00346	0.00007	0.00000	0.00000	0.00000	0.02488
EAST-NORTHEAST	0.00512	0.00984	0.00236	0.00034	0.00000	0.00000	0.00000	0.00000	0.01766
EAST	0.00648	0.01041	0.00196	0.00010	0.00000	0.00000	0.00000	0.00000	0.01895
EAST-SOUTHEAST	0.00763	0.01290	0.00308	0.00025	0.00000	0.00000	0.00000	0.00000	0.02386
SOUTHEAST	0.00931	0.02132	0.00483	0.00037	0.00000	0.00000	0.00000	0.00000	0.03583
SOUTH-SOUTHEAST	0.01257	0.03926	0.01209	0.00120	0.00006	0.00000	0.00000	0.00000	0.06518
SOUTH	0.01373	0.05003	0.02654	0.00521	0.00035	0.00000	0.00000	0.00000	0.09585
SOUTH-SOUTHWEST	0.01239	0.04515	0.05693	0.03293	0.00483	0.00116	0.00005	0.00000	0.15344
SOUTHWEST	0.01084	0.02500	0.03485	0.03086	0.00971	0.00262	0.00028	0.00000	0.11417
WEST-SOUTHWEST	0.00649	0.01129	0.01342	0.01775	0.00746	0.00294	0.00021	0.00000	0.05955
WEST	0.00499	0.00947	0.00926	0.00731	0.00333	0.00094	0.00000	0.00000	0.03531
WEST-NORTHWEST	0.00621	0.01435	0.01000	0.00522	0.00091	0.00031	0.00000	0.00000	0.03699
NORTHWEST	0.01052	0.02446	0.03161	0.02142	0.00575	0.00031	0.00000	0.00000	0.09407
NORTH-NORTHWEST	0.01251	0.04039	0.04413	0.01356	0.00145	0.00000	0.00000	0.00000	0.11204
TOTAL:	0.14294	0.37654	0.28804	0.14878	0.03474	0.00841	0.00055	0.00000	1.00000

STATION: 2 EMERGENCY OPERATIONS CENTER

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16886.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00541	0.02485	0.01635	0.00501	0.00103	0.00019	0.00000	0.00000	0.05285
NORTH-NORTHEAST	0.00460	0.02136	0.00606	0.00244	0.00045	0.00004	0.00000	0.00000	0.03495
NORTHEAST	0.00463	0.01645	0.00227	0.00207	0.00006	0.00000	0.00000	0.00000	0.02547
EAST-NORTHEAST	0.00403	0.01314	0.00130	0.00010	0.00000	0.00000	0.00000	0.00000	0.01858
EAST	0.00359	0.01410	0.00078	0.00000	0.00000	0.00000	0.00000	0.00000	0.01848
EAST-SOUTHEAST	0.00440	0.01406	0.00221	0.00005	0.00000	0.00000	0.00000	0.00000	0.02073
SOUTHEAST	0.00318	0.01277	0.00475	0.00014	0.00000	0.00000	0.00000	0.00000	0.02084
SOUTH-SOUTHEAST	0.00395	0.01375	0.00677	0.00067	0.00000	0.00000	0.00000	0.00000	0.02512
SOUTH	0.00524	0.01921	0.01700	0.00361	0.00007	0.00000	0.00000	0.00000	0.04513
SOUTH-SOUTHWEST	0.00666	0.02224	0.02844	0.01289	0.00229	0.00047	0.00021	0.00000	0.07321
SOUTHWEST	0.00648	0.01564	0.03222	0.03065	0.01774	0.00917	0.00216	0.00015	0.11421
WEST-SOUTHWEST	0.00520	0.01492	0.02734	0.03282	0.02849	0.01115	0.00207	0.00027	0.12226
WEST	0.00686	0.01994	0.02089	0.01969	0.01404	0.00519	0.00030	0.00023	0.08714
WEST-NORTHWEST	0.00760	0.02985	0.04067	0.01468	0.00460	0.00086	0.00005	0.00000	0.09831
NORTHWEST	0.00586	0.02983	0.05793	0.04464	0.00839	0.00107	0.00001	0.00000	0.14772
NORTH-NORTHWEST	0.00680	0.02501	0.03671	0.02254	0.00366	0.00027	0.00000	0.00000	0.09500
TOTAL:	0.08451	0.30712	0.30167	0.19199	0.08084	0.02843	0.00480	0.00065	1.00000

TABLE 5.3. Continued

STATION: 3 ARMY LOOP ROAD

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17064.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00965	0.02171	0.01020	0.00168	0.00029	0.00000	0.00000	0.00000	0.04352
NORTH-NORTHEAST	0.00853	0.02080	0.00659	0.00207	0.00019	0.00000	0.00000	0.00000	0.03819
NORTHEAST	0.00894	0.02115	0.00527	0.00239	0.00001	0.00006	0.00000	0.00000	0.03782
EAST-NORTHEAST	0.00893	0.02454	0.00335	0.00052	0.00000	0.00000	0.00000	0.00000	0.03734
EAST	0.00935	0.03075	0.00396	0.00045	0.00006	0.00000	0.00000	0.00000	0.04457
EAST-SOUTHEAST	0.01048	0.03032	0.00949	0.00111	0.00005	0.00000	0.00000	0.00000	0.05145
SOUTHEAST	0.00890	0.02310	0.01305	0.00323	0.00007	0.00000	0.00000	0.00000	0.04835
SOUTH-SOUTHEAST	0.00632	0.01617	0.00906	0.00366	0.00025	0.00000	0.00000	0.00000	0.03546
SOUTH	0.00573	0.01164	0.00801	0.00311	0.00030	0.00007	0.00004	0.00000	0.02890
SOUTH-SOUTHWEST	0.00605	0.00977	0.00713	0.00411	0.00143	0.00041	0.00012	0.00000	0.02902
SOUTHWEST	0.00541	0.01101	0.01080	0.00786	0.00661	0.00280	0.00046	0.00001	0.04496
WEST-SOUTHWEST	0.00664	0.01382	0.01762	0.01965	0.01108	0.00448	0.00037	0.00011	0.07377
WEST	0.00771	0.02540	0.02636	0.01804	0.00563	0.00228	0.00006	0.00000	0.08549
WEST-NORTHWEST	0.01053	0.05476	0.07045	0.01949	0.00331	0.00048	0.00000	0.00000	0.15903
NORTHWEST	0.01054	0.06604	0.05685	0.02299	0.00819	0.00213	0.00012	0.00000	0.16686
NORTH-NORTHWEST	0.01041	0.03669	0.02023	0.00650	0.00145	0.00000	0.00000	0.00000	0.07528
TOTAL:	0.13414	0.41766	0.27842	0.11685	0.03891	0.01272	0.00117	0.00012	1.00000

STATION: 4 RATTLESNAKE SPRINGS

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16994.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00525	0.02501	0.00709	0.00036	0.00010	0.00000	0.00000	0.00000	0.03781
NORTH-NORTHEAST	0.00697	0.02435	0.00658	0.00131	0.00002	0.00000	0.00000	0.00000	0.03924
NORTHEAST	0.00658	0.02321	0.00388	0.00188	0.00000	0.00000	0.00000	0.00000	0.03556
EAST-NORTHEAST	0.00677	0.01648	0.00137	0.00037	0.00000	0.00000	0.00000	0.00000	0.02499
EAST	0.00629	0.02081	0.00218	0.00010	0.00000	0.00000	0.00000	0.00000	0.02937
EAST-SOUTHEAST	0.00740	0.02589	0.00522	0.00013	0.00000	0.00000	0.00000	0.00000	0.03864
SOUTHEAST	0.00528	0.01352	0.00257	0.00024	0.00000	0.00000	0.00000	0.00000	0.02161
SOUTH-SOUTHEAST	0.00378	0.00750	0.00219	0.00008	0.00000	0.00000	0.00000	0.00000	0.01356
SOUTH	0.00424	0.00951	0.00503	0.00213	0.00050	0.00000	0.00000	0.00000	0.02142
SOUTH-SOUTHWEST	0.00589	0.01275	0.01200	0.00750	0.00341	0.00032	0.00015	0.00000	0.04203
SOUTHWEST	0.00807	0.02721	0.02411	0.01507	0.00753	0.00146	0.00014	0.00000	0.08359
WEST-SOUTHWEST	0.00975	0.08141	0.15352	0.03761	0.00889	0.00211	0.00000	0.00000	0.29329
WEST	0.00730	0.03896	0.06457	0.03116	0.00385	0.00047	0.00000	0.00000	0.14632
WEST-NORTHWEST	0.00402	0.01962	0.03075	0.01620	0.00152	0.00017	0.00000	0.00000	0.07229
NORTHWEST	0.00538	0.01737	0.01795	0.01269	0.00271	0.00024	0.00000	0.00000	0.05634
NORTH-NORTHWEST	0.00439	0.02088	0.01246	0.00538	0.00082	0.00000	0.00000	0.00000	0.04394
TOTAL:	0.09739	0.38449	0.35148	0.13222	0.02936	0.00477	0.00029	0.00000	1.00000

TABLE 5.3. Continued

STATION: 5 EDNA RAILROAD CROSSING

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16990.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00756	0.03133	0.01794	0.00171	0.00044	0.00000	0.00000	0.00000	0.05899
NORTH-NORTHEAST	0.00539	0.01424	0.00489	0.00184	0.00022	0.00000	0.00000	0.00000	0.02658
NORTHEAST	0.00561	0.01081	0.00529	0.00296	0.00061	0.00000	0.00000	0.00000	0.02528
EAST-NORTHEAST	0.00611	0.01510	0.00376	0.00341	0.00111	0.00000	0.00000	0.00000	0.02949
EAST	0.00716	0.02621	0.00633	0.00099	0.00022	0.00000	0.00000	0.00000	0.04092
EAST-SOUTHEAST	0.01196	0.05245	0.01783	0.00132	0.00002	0.00000	0.00000	0.00000	0.08359
SOUTHEAST	0.01565	0.07551	0.02085	0.00243	0.00000	0.00000	0.00000	0.00000	0.11443
SOUTH-SOUTHEAST	0.01572	0.04843	0.01553	0.00480	0.00027	0.00004	0.00000	0.00000	0.08481
SOUTH	0.01204	0.02391	0.01411	0.00820	0.00102	0.00013	0.00000	0.00000	0.05941
SOUTH-SOUTHWEST	0.00885	0.01290	0.01101	0.00656	0.00124	0.00011	0.00000	0.00000	0.04067
SOUTHWEST	0.00681	0.00898	0.01033	0.00568	0.00277	0.00074	0.00000	0.00000	0.03531
WEST-SOUTHWEST	0.00675	0.01280	0.01644	0.01162	0.00509	0.00119	0.00000	0.00000	0.05390
WEST	0.00667	0.01321	0.01833	0.01190	0.00270	0.00095	0.00000	0.00000	0.05377
WEST-NORTHWEST	0.01050	0.02428	0.02409	0.01924	0.00782	0.00195	0.00010	0.00000	0.08798
NORTHWEST	0.01235	0.04514	0.02808	0.01698	0.00600	0.00065	0.00007	0.00000	0.10928
NORTH-NORTHWEST	0.01220	0.05290	0.02663	0.00305	0.00077	0.00005	0.00000	0.00000	0.09559
TOTAL:	0.15132	0.46822	0.24144	0.10271	0.03031	0.00583	0.00018	0.00000	1.00000

STATION: 6 200 EAST AREA

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17112.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00551	0.02088	0.00885	0.00200	0.00029	0.00000	0.00000	0.00000	0.03753
NORTH-NORTHEAST	0.00491	0.01906	0.01015	0.00288	0.00045	0.00000	0.00000	0.00000	0.03745
NORTHEAST	0.00576	0.01717	0.00457	0.00307	0.00060	0.00000	0.00000	0.00000	0.03117
EAST-NORTHEAST	0.00698	0.01791	0.00238	0.00066	0.00000	0.00000	0.00000	0.00000	0.02794
EAST	0.00600	0.02109	0.00330	0.00013	0.00000	0.00000	0.00000	0.00000	0.03053
EAST-SOUTHEAST	0.00645	0.02324	0.00510	0.00028	0.00000	0.00000	0.00000	0.00000	0.03506
SOUTHEAST	0.00540	0.02725	0.01097	0.00148	0.00001	0.00000	0.00000	0.00000	0.04511
SOUTH-SOUTHEAST	0.00450	0.02347	0.01753	0.00414	0.00028	0.00002	0.00000	0.00000	0.04995
SOUTH	0.00414	0.01759	0.01204	0.00387	0.00074	0.00013	0.00000	0.00000	0.03851
SOUTH-SOUTHWEST	0.00384	0.01432	0.00947	0.00433	0.00108	0.00007	0.00000	0.00000	0.03311
SOUTHWEST	0.00285	0.01670	0.01525	0.01048	0.00557	0.00214	0.00009	0.00000	0.05308
WEST-SOUTHWEST	0.00376	0.02256	0.03056	0.02211	0.01256	0.00392	0.00040	0.00000	0.09591
WEST	0.00538	0.03221	0.05717	0.02586	0.00395	0.00171	0.00000	0.00000	0.12628
WEST-NORTHWEST	0.00522	0.04067	0.08775	0.05150	0.01725	0.00344	0.00000	0.00000	0.20583
NORTHWEST	0.00573	0.03498	0.03633	0.01944	0.01040	0.00270	0.00012	0.00000	0.10970
NORTH-NORTHWEST	0.00568	0.02538	0.01050	0.00111	0.00016	0.00000	0.00000	0.00000	0.04284
TOTAL:	0.08211	0.37447	0.32194	0.15334	0.05335	0.01414	0.00064	0.00000	1.00000

TABLE 5.3. Continued

STATION: 7 200 WEST AREA

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 13475.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00842	0.02602	0.00814	0.00101	0.00007	0.00000	0.00000	0.00000	0.04367
NORTH-NORTHEAST	0.00762	0.01395	0.00783	0.00281	0.00006	0.00000	0.00000	0.00000	0.03227
NORTHEAST	0.00446	0.00891	0.00389	0.00215	0.00008	0.00000	0.00000	0.00000	0.01950
EAST-NORTHEAST	0.00583	0.00725	0.00120	0.00043	0.00000	0.00000	0.00000	0.00000	0.01470
EAST	0.00479	0.00708	0.00082	0.00012	0.00000	0.00000	0.00000	0.00000	0.01280
EAST-SOUTHEAST	0.00532	0.01076	0.00259	0.00014	0.00000	0.00000	0.00000	0.00000	0.01880
SOUTHEAST	0.00690	0.01820	0.00655	0.00103	0.00000	0.00000	0.00000	0.00000	0.03268
SOUTH-SOUTHEAST	0.00880	0.01773	0.00570	0.00124	0.00000	0.00000	0.00000	0.00000	0.03347
SOUTH	0.01062	0.01590	0.00414	0.00219	0.00012	0.00000	0.00000	0.00000	0.03297
SOUTH-SOUTHWEST	0.01089	0.01746	0.00991	0.00528	0.00111	0.00006	0.00000	0.00000	0.04471
SOUTHWEST	0.01356	0.02383	0.01647	0.01159	0.00698	0.00062	0.00001	0.00000	0.07306
WEST-SOUTHWEST	0.01679	0.03847	0.02863	0.02614	0.01008	0.00261	0.00006	0.00000	0.12278
WEST	0.01737	0.06296	0.04782	0.01481	0.00300	0.00130	0.00000	0.00000	0.14725
WEST-NORTHWEST	0.01528	0.07908	0.04929	0.01539	0.00294	0.00028	0.00000	0.00000	0.16226
NORTHWEST	0.01143	0.04576	0.03876	0.03062	0.01356	0.00278	0.00000	0.00000	0.14291
NORTH-NORTHWEST	0.00941	0.03305	0.01874	0.00416	0.00072	0.00006	0.00000	0.00000	0.06614
TOTAL:	0.15748	0.42642	0.25046	0.11911	0.03874	0.00772	0.00007	0.00000	1.00000

STATION: 8 WAHLUKE

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16988.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00832	0.01528	0.00576	0.00309	0.00054	0.00011	0.00000	0.00000	0.03310
NORTH-NORTHEAST	0.00835	0.01841	0.01246	0.00305	0.00023	0.00007	0.00000	0.00000	0.04257
NORTHEAST	0.00969	0.02361	0.00851	0.00334	0.00001	0.00000	0.00000	0.00000	0.04516
EAST-NORTHEAST	0.01040	0.04003	0.01002	0.00174	0.00005	0.00000	0.00000	0.00000	0.06224
EAST	0.01263	0.05347	0.01627	0.00163	0.00004	0.00000	0.00000	0.00000	0.08404
EAST-SOUTHEAST	0.01050	0.03101	0.00599	0.00073	0.00002	0.00000	0.00000	0.00000	0.04825
SOUTHEAST	0.00948	0.01686	0.00309	0.00024	0.00000	0.00000	0.00000	0.00000	0.02966
SOUTH-SOUTHEAST	0.00865	0.01185	0.00241	0.00044	0.00000	0.00000	0.00000	0.00000	0.02335
SOUTH	0.00734	0.01116	0.00355	0.00109	0.00010	0.00000	0.00006	0.00000	0.02330
SOUTH-SOUTHWEST	0.00784	0.01340	0.00562	0.00262	0.00078	0.00000	0.00000	0.00000	0.03026
SOUTHWEST	0.00971	0.01304	0.00824	0.00797	0.00467	0.00130	0.00001	0.00000	0.04494
WEST-SOUTHWEST	0.00874	0.02201	0.01219	0.00762	0.00260	0.00068	0.00010	0.00000	0.05395
WEST	0.01009	0.04531	0.04156	0.02190	0.00492	0.00102	0.00004	0.00000	0.12483
WEST-NORTHWEST	0.00952	0.05957	0.06563	0.05319	0.02296	0.00615	0.00050	0.00006	0.21759
NORTHWEST	0.01113	0.03375	0.02121	0.01468	0.01002	0.00252	0.00018	0.00000	0.09349
NORTH-NORTHWEST	0.01215	0.01895	0.00739	0.00383	0.00057	0.00021	0.00016	0.00000	0.04328
TOTAL:	0.15452	0.42771	0.22993	0.12715	0.04750	0.01207	0.00106	0.00006	1.00000

TABLE 5.3. Continued

STATION: 9 FAST FLUX TEST FACILITY

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16790.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)							>38	TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38		
NORTH	0.00311	0.02280	0.01630	0.00323	0.00047	0.00004	0.00000	0.00000	0.04594
NORTH-NORTHEAST	0.00264	0.02165	0.01700	0.00299	0.00057	0.00002	0.00000	0.00000	0.04486
NORTHEAST	0.00223	0.01608	0.00905	0.00437	0.00057	0.00000	0.00000	0.00000	0.03230
EAST-NORTHEAST	0.00243	0.01263	0.00382	0.00071	0.00042	0.00000	0.00000	0.00000	0.02002
EAST	0.00233	0.01264	0.00220	0.00027	0.00000	0.00000	0.00000	0.00000	0.01744
EAST-SOUTHEAST	0.00309	0.01723	0.00372	0.00034	0.00006	0.00000	0.00000	0.00000	0.02445
SOUTHEAST	0.00274	0.02128	0.01343	0.00182	0.00001	0.00006	0.00000	0.00000	0.03934
SOUTH-SOUTHEAST	0.00276	0.02755	0.03559	0.00596	0.00020	0.00000	0.00000	0.00000	0.07205
SOUTH	0.00328	0.03161	0.04746	0.01554	0.00127	0.00000	0.00000	0.00000	0.09917
SOUTH-SOUTHWEST	0.00441	0.03154	0.05744	0.05182	0.01056	0.00127	0.00053	0.00000	0.15757
SOUTHWEST	0.00430	0.02252	0.02432	0.02610	0.01204	0.00492	0.00060	0.00006	0.09486
WEST-SOUTHWEST	0.00306	0.01570	0.01530	0.01281	0.00755	0.00307	0.00006	0.00000	0.05756
WEST	0.00306	0.01877	0.01898	0.01135	0.00353	0.00113	0.00004	0.00000	0.05686
WEST-NORTHWEST	0.00296	0.01938	0.04022	0.02074	0.00608	0.00106	0.00019	0.00000	0.09064
NORTHWEST	0.00293	0.02151	0.04229	0.01961	0.00494	0.00176	0.00025	0.00006	0.09335
NORTH-NORTHWEST	0.00327	0.02171	0.02267	0.00559	0.00034	0.00000	0.00000	0.00000	0.05357
TOTAL:	0.04860	0.33460	0.36980	0.18326	0.04860	0.01334	0.00167	0.00012	1.00000

STATION: 10 YAKIMA BARRICADE

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16917.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)							>38	TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38		
NORTH	0.00588	0.03165	0.01093	0.00162	0.00027	0.00004	0.00000	0.00000	0.05039
NORTH-NORTHEAST	0.00592	0.02517	0.00713	0.00192	0.00018	0.00002	0.00000	0.00000	0.04024
NORTHEAST	0.00512	0.01878	0.00333	0.00164	0.00024	0.00000	0.00000	0.00000	0.02911
EAST-NORTHEAST	0.00449	0.01314	0.00128	0.00027	0.00000	0.00000	0.00000	0.00000	0.01917
EAST	0.00319	0.00864	0.00088	0.00000	0.00000	0.00000	0.00000	0.00000	0.01271
EAST-SOUTHEAST	0.00429	0.01117	0.00253	0.00023	0.00000	0.00000	0.00000	0.00000	0.01822
SOUTHEAST	0.00486	0.01564	0.00537	0.00046	0.00001	0.00000	0.00000	0.00000	0.02633
SOUTH-SOUTHEAST	0.00593	0.01631	0.00516	0.00089	0.00013	0.00000	0.00000	0.00000	0.02843
SOUTH	0.00522	0.01529	0.00828	0.00212	0.00047	0.00010	0.00000	0.00000	0.03148
SOUTH-SOUTHWEST	0.00563	0.01661	0.01233	0.00584	0.00197	0.00023	0.00000	0.00000	0.04261
SOUTHWEST	0.00782	0.02234	0.02806	0.01896	0.00891	0.00272	0.00007	0.00000	0.08888
WEST-SOUTHWEST	0.00925	0.03957	0.04128	0.02573	0.00733	0.00313	0.00005	0.00000	0.12634
WEST	0.01052	0.06360	0.04506	0.01080	0.00200	0.00078	0.00000	0.00000	0.13274
WEST-NORTHWEST	0.00808	0.04256	0.03409	0.01575	0.00671	0.00055	0.00000	0.00000	0.10774
NORTHWEST	0.00638	0.03401	0.05271	0.04643	0.02431	0.00480	0.00000	0.00000	0.16864
NORTH-NORTHWEST	0.00687	0.03157	0.02729	0.00981	0.00138	0.00005	0.00000	0.00000	0.07697
TOTAL:	0.09937	0.40604	0.28569	0.14246	0.05391	0.01241	0.00012	0.00000	1.00000

TABLE 5.3. Continued

STATION: 11 300 AREA

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 12662.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00395	0.02443	0.03930	0.00769	0.00056	0.00000	0.00000	0.00000	0.07594
NORTH-NORTHEAST	0.00275	0.01684	0.02902	0.00584	0.00068	0.00000	0.00000	0.00000	0.05515
NORTHEAST	0.00225	0.01299	0.01055	0.00305	0.00059	0.00000	0.00000	0.00000	0.02944
EAST-NORTHEAST	0.00246	0.01308	0.00394	0.00191	0.00008	0.00000	0.00000	0.00000	0.02146
EAST	0.00295	0.01797	0.00551	0.00063	0.00005	0.00000	0.00000	0.00000	0.02711
EAST-SOUTHEAST	0.00387	0.03144	0.01852	0.00102	0.00011	0.00000	0.00000	0.00000	0.05496
SOUTHEAST	0.00549	0.05392	0.03121	0.00249	0.00008	0.00000	0.00000	0.00000	0.09318
SOUTH-SOUTHEAST	0.00702	0.04202	0.01581	0.00219	0.00019	0.00000	0.00000	0.00000	0.06722
SOUTH	0.00550	0.03246	0.02249	0.00507	0.00038	0.00005	0.00000	0.00000	0.06595
SOUTH-SOUTHWEST	0.00598	0.02555	0.04327	0.02253	0.00582	0.00093	0.00000	0.00000	0.10408
SOUTHWEST	0.00639	0.02138	0.04350	0.03527	0.01243	0.00412	0.00090	0.00008	0.12406
WEST-SOUTHWEST	0.00590	0.01677	0.02679	0.02486	0.00781	0.00383	0.00035	0.00000	0.08631
WEST	0.00454	0.01403	0.01008	0.00688	0.00330	0.00220	0.00015	0.00000	0.04118
WEST-NORTHWEST	0.00489	0.01294	0.00779	0.00433	0.00074	0.00030	0.00003	0.00000	0.03102
NORTHWEST	0.00507	0.01823	0.01269	0.01167	0.00485	0.00164	0.00009	0.00000	0.05424
NORTH-NORTHWEST	0.00601	0.02795	0.02491	0.00791	0.00167	0.00021	0.00007	0.00000	0.06872
TOTAL:	0.07503	0.38201	0.34536	0.14334	0.03933	0.01327	0.00158	0.00008	1.00000

STATION: 12 WYE BARRICADE

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16562.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00370	0.01697	0.01270	0.00235	0.00040	0.00000	0.00000	0.00000	0.03612
NORTH-NORTHEAST	0.00374	0.01397	0.00644	0.00177	0.00047	0.00000	0.00000	0.00000	0.02638
NORTHEAST	0.00357	0.01117	0.00414	0.00220	0.00035	0.00000	0.00000	0.00000	0.02143
EAST-NORTHEAST	0.00400	0.01006	0.00322	0.00124	0.00016	0.00000	0.00000	0.00000	0.01868
EAST	0.00402	0.01447	0.00304	0.00008	0.00000	0.00000	0.00000	0.00000	0.02161
EAST-SOUTHEAST	0.00450	0.01770	0.00355	0.00032	0.00000	0.00000	0.00000	0.00000	0.02607
SOUTHEAST	0.00432	0.01840	0.00843	0.00062	0.00000	0.00000	0.00000	0.00000	0.03177
SOUTH-SOUTHEAST	0.00457	0.02569	0.01626	0.00408	0.00035	0.00000	0.00000	0.00000	0.05096
SOUTH	0.00528	0.03678	0.03068	0.01225	0.00102	0.00023	0.00000	0.00000	0.08624
SOUTH-SOUTHWEST	0.00561	0.03544	0.04301	0.02553	0.00506	0.00094	0.00000	0.00000	0.11559
SOUTHWEST	0.00603	0.03333	0.03572	0.02047	0.00848	0.00398	0.00013	0.00000	0.10813
WEST-SOUTHWEST	0.00629	0.03011	0.03100	0.01777	0.00872	0.00378	0.00014	0.00000	0.09782
WEST	0.00346	0.02781	0.03548	0.02356	0.00495	0.00188	0.00023	0.00000	0.09736
WEST-NORTHWEST	0.00384	0.02648	0.05135	0.03063	0.00961	0.00152	0.00005	0.00000	0.12348
NORTHWEST	0.00347	0.02555	0.03592	0.01533	0.00689	0.00269	0.00012	0.00000	0.08997
NORTH-NORTHWEST	0.00407	0.02167	0.01784	0.00355	0.00125	0.00000	0.00000	0.00000	0.04838
TOTAL:	0.07046	0.36560	0.33879	0.16176	0.04770	0.01503	0.00066	0.00000	1.00000

TABLE 5.3. Continued

STATION: 13 100 - N AREA

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16717.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00971	0.02051	0.00482	0.00178	0.00064	0.00000	0.00000	0.00000	0.03747
NORTH-NORTHEAST	0.00867	0.02011	0.01018	0.00325	0.00102	0.00000	0.00000	0.00000	0.04323
NORTHEAST	0.00813	0.02365	0.00766	0.00492	0.00070	0.00000	0.00000	0.00000	0.04506
EAST-NORTHEAST	0.00956	0.02699	0.00552	0.00206	0.00010	0.00000	0.00000	0.00000	0.04422
EAST	0.01207	0.03238	0.00639	0.00076	0.00004	0.00000	0.00000	0.00000	0.05163
EAST-SOUTHEAST	0.00978	0.03049	0.00713	0.00134	0.00002	0.00000	0.00000	0.00000	0.04877
SOUTHEAST	0.00840	0.02101	0.01196	0.00298	0.00024	0.00001	0.00000	0.00000	0.04460
SOUTH-SOUTHEAST	0.00698	0.01623	0.00735	0.00317	0.00052	0.00010	0.00000	0.00000	0.03435
SOUTH	0.00693	0.01134	0.00591	0.00236	0.00046	0.00006	0.00000	0.00000	0.02706
SOUTH-SOUTHWEST	0.00919	0.01505	0.01000	0.00453	0.00087	0.00031	0.00000	0.00000	0.03997
SOUTHWEST	0.01101	0.03547	0.02272	0.01378	0.00521	0.00141	0.00000	0.00000	0.08959
WEST-SOUTHWEST	0.01509	0.05498	0.04675	0.01376	0.00448	0.00065	0.00000	0.00000	0.13571
WEST	0.01268	0.04845	0.04498	0.02362	0.00434	0.00079	0.00000	0.00000	0.13486
WEST-NORTHWEST	0.01417	0.03435	0.02953	0.02557	0.01131	0.00261	0.00000	0.00000	0.11754
NORTHWEST	0.01107	0.02828	0.00913	0.00799	0.00460	0.00147	0.00000	0.00000	0.06254
NORTH-NORTHWEST	0.01299	0.02248	0.00578	0.00196	0.00020	0.00000	0.00000	0.00000	0.04341
TOTAL:	0.16642	0.44177	0.23581	0.11384	0.03476	0.00742	0.00000	0.00000	1.00000

STATION: 14 WNP - 2 FACILITY

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17162.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01072	0.03238	0.01269	0.00211	0.00032	0.00000	0.00000	0.00000	0.05822
NORTH-NORTHEAST	0.00964	0.02514	0.00806	0.00130	0.00015	0.00000	0.00006	0.00000	0.04434
NORTHEAST	0.00765	0.02060	0.00659	0.00135	0.00006	0.00000	0.00000	0.00000	0.03625
EAST-NORTHEAST	0.00609	0.01359	0.00323	0.00045	0.00000	0.00000	0.00000	0.00000	0.02337
EAST	0.00589	0.00764	0.00074	0.00015	0.00000	0.00000	0.00000	0.00000	0.01442
EAST-SOUTHEAST	0.00867	0.01097	0.00199	0.00031	0.00000	0.00000	0.00000	0.00000	0.02194
SOUTHEAST	0.00877	0.02152	0.00704	0.00068	0.00007	0.00000	0.00000	0.00000	0.03806
SOUTH-SOUTHEAST	0.01041	0.04338	0.02042	0.00282	0.00007	0.00000	0.00000	0.00000	0.07710
SOUTH	0.01304	0.05281	0.03481	0.00861	0.00037	0.00000	0.00000	0.00000	0.10963
SOUTH-SOUTHWEST	0.01358	0.03736	0.03836	0.02494	0.00414	0.00061	0.00000	0.00000	0.11899
SOUTHWEST	0.01152	0.02517	0.02623	0.01857	0.00673	0.00214	0.00012	0.00000	0.09048
WEST-SOUTHWEST	0.00781	0.01996	0.01728	0.01087	0.00472	0.00205	0.00002	0.00000	0.06270
WEST	0.01021	0.01852	0.01731	0.00862	0.00351	0.00087	0.00007	0.00000	0.05912
WEST-NORTHWEST	0.01071	0.02406	0.02608	0.01455	0.00350	0.00062	0.00002	0.00000	0.07954
NORTHWEST	0.01165	0.03313	0.02544	0.01465	0.00624	0.00058	0.00012	0.00000	0.09181
NORTH-NORTHWEST	0.01371	0.03973	0.01653	0.00371	0.00036	0.00000	0.00000	0.00000	0.07403
TOTAL:	0.16006	0.42594	0.26279	0.11368	0.03024	0.00688	0.00041	0.00000	1.00000

TABLE 5.3. Continued

STATION: 15 FRANKLIN COUNTY

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17251.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00269	0.02292	0.02123	0.00250	0.00041	0.00000	0.00000	0.00000	0.04975
NORTH-NORTHEAST	0.00262	0.01668	0.01330	0.00225	0.00031	0.00000	0.00000	0.00000	0.03516
NORTHEAST	0.00228	0.01497	0.00788	0.00443	0.00057	0.00000	0.00000	0.00000	0.03012
EAST-NORTHEAST	0.00286	0.01126	0.00679	0.00300	0.00031	0.00000	0.00000	0.00000	0.02422
EAST	0.00220	0.01267	0.00648	0.00109	0.00000	0.00000	0.00000	0.00000	0.02245
EAST-SOUTHEAST	0.00426	0.01787	0.01162	0.00121	0.00010	0.00000	0.00000	0.00000	0.03507
SOUTHEAST	0.00413	0.02762	0.02312	0.00207	0.00003	0.00000	0.00000	0.00000	0.05698
SOUTH-SOUTHEAST	0.00532	0.03125	0.02141	0.00256	0.00026	0.00000	0.00000	0.00000	0.06080
SOUTH	0.00359	0.02956	0.03049	0.00591	0.00045	0.00000	0.00000	0.00000	0.07000
SOUTH-SOUTHWEST	0.00440	0.03097	0.05870	0.02983	0.00421	0.00046	0.00000	0.00000	0.12857
SOUTHWEST	0.00418	0.03085	0.05484	0.03817	0.00951	0.00312	0.00031	0.00000	0.14099
WEST-SOUTHWEST	0.00586	0.02225	0.01937	0.01838	0.00622	0.00199	0.00031	0.00000	0.07438
WEST	0.00569	0.02322	0.01020	0.00595	0.00169	0.00064	0.00007	0.00000	0.04746
WEST-NORTHWEST	0.00394	0.02708	0.01354	0.00593	0.00138	0.00028	0.00000	0.00000	0.05214
NORTHWEST	0.00351	0.03678	0.03650	0.01001	0.00271	0.00049	0.00000	0.00000	0.08999
NORTH-NORTHWEST	0.00357	0.03512	0.03867	0.00427	0.00030	0.00000	0.00000	0.00000	0.08192
TOTAL:	0.06110	0.39107	0.37414	0.13757	0.02846	0.00696	0.00070	0.00000	1.00000

STATION: 16 GABLE MOUNTAIN

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17065.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00344	0.01798	0.01942	0.01342	0.00271	0.00078	0.00017	0.00004	0.05795
NORTH-NORTHEAST	0.00290	0.02222	0.02138	0.01412	0.00548	0.00141	0.00034	0.00000	0.06784
NORTHEAST	0.00277	0.01912	0.01261	0.00783	0.00456	0.00330	0.00037	0.00001	0.05055
EAST-NORTHEAST	0.00213	0.01154	0.00463	0.00222	0.00093	0.00031	0.00010	0.00005	0.02191
EAST	0.00189	0.00935	0.00371	0.00146	0.00011	0.00000	0.00000	0.00000	0.01653
EAST-SOUTHEAST	0.00182	0.00883	0.00393	0.00144	0.00005	0.00000	0.00000	0.00000	0.01607
SOUTHEAST	0.00176	0.00953	0.00702	0.00407	0.00042	0.00001	0.00000	0.00000	0.02281
SOUTH-SOUTHEAST	0.00271	0.01586	0.01549	0.00921	0.00352	0.00043	0.00004	0.00000	0.04727
SOUTH	0.00254	0.02248	0.02389	0.01835	0.00891	0.00275	0.00074	0.00010	0.07975
SOUTH-SOUTHWEST	0.00289	0.02200	0.02258	0.01663	0.00829	0.00499	0.00110	0.00002	0.07849
SOUTHWEST	0.00311	0.01693	0.01998	0.02000	0.01116	0.00861	0.00332	0.00163	0.08473
WEST-SOUTHWEST	0.00262	0.01505	0.02263	0.02526	0.01784	0.00806	0.00296	0.00085	0.09527
WEST	0.00230	0.01377	0.02039	0.02535	0.01491	0.00412	0.00059	0.00004	0.08146
WEST-NORTHWEST	0.00290	0.01180	0.02044	0.03431	0.04017	0.02040	0.00240	0.00000	0.13242
NORTHWEST	0.00163	0.01401	0.02452	0.02877	0.01986	0.00727	0.00094	0.00001	0.09700
NORTH-NORTHWEST	0.00226	0.01392	0.01927	0.01078	0.00278	0.00069	0.00018	0.00007	0.04996
TOTAL:	0.03967	0.24436	0.26188	0.23323	0.14169	0.06311	0.01324	0.00281	1.00000

TABLE 5.3. Continued

STATION: 17 RINGOLD

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17100.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01019	0.01592	0.00387	0.00063	0.00045	0.00000	0.00000	0.00000	0.03105
NORTH-NORTHEAST	0.01713	0.02811	0.00556	0.00118	0.00025	0.00000	0.00000	0.00000	0.03223
NORTHEAST	0.02123	0.10422	0.01447	0.00368	0.00047	0.00000	0.00000	0.00000	0.14406
EAST-NORTHEAST	0.01812	0.03811	0.00702	0.00134	0.00042	0.00000	0.00000	0.00000	0.06501
EAST	0.01151	0.01476	0.00113	0.00015	0.00000	0.00000	0.00000	0.00000	0.02754
EAST-SOUTHEAST	0.00958	0.01120	0.00124	0.00015	0.00000	0.00000	0.00000	0.00000	0.02216
SOUTHEAST	0.00931	0.01071	0.00207	0.00062	0.00006	0.00000	0.00000	0.00000	0.02277
SOUTH-SOUTHEAST	0.00948	0.01615	0.00664	0.00135	0.00002	0.00000	0.00000	0.00000	0.03365
SOUTH	0.00917	0.02341	0.01389	0.00235	0.00010	0.00000	0.00000	0.00000	0.04892
SOUTH-SOUTHWEST	0.01016	0.03840	0.04593	0.01522	0.00058	0.00000	0.00000	0.00000	0.11029
SOUTHWEST	0.01365	0.03757	0.03471	0.01459	0.00354	0.00116	0.00001	0.00000	0.10524
WEST-SOUTHWEST	0.01373	0.04393	0.02494	0.01101	0.00367	0.00114	0.00005	0.00000	0.09846
WEST	0.01323	0.03174	0.02950	0.01180	0.00162	0.00079	0.00006	0.00000	0.08873
WEST-NORTHWEST	0.00950	0.01779	0.02795	0.02452	0.00664	0.00058	0.00000	0.00000	0.08698
NORTHWEST	0.00882	0.01349	0.01199	0.00540	0.00150	0.00007	0.00000	0.00000	0.04126
NORTH-NORTHWEST	0.00798	0.01216	0.00145	0.00005	0.00000	0.00000	0.00000	0.00000	0.02164
TOTAL:	0.19281	0.45766	0.23234	0.09404	0.01930	0.00374	0.00012	0.00000	1.00000

STATION: 18 RICHLAND AIRPORT

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17049.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00496	0.01625	0.01446	0.00498	0.00067	0.00004	0.00000	0.00000	0.04136
NORTH-NORTHEAST	0.00391	0.01216	0.00817	0.00243	0.00046	0.00002	0.00000	0.00000	0.02715
NORTHEAST	0.00409	0.01121	0.00567	0.00251	0.00045	0.00000	0.00000	0.00000	0.02393
EAST-NORTHEAST	0.00462	0.01300	0.00296	0.00081	0.00010	0.00000	0.00000	0.00000	0.02150
EAST	0.00664	0.01824	0.00297	0.00017	0.00000	0.00000	0.00000	0.00000	0.02801
EAST-SOUTHEAST	0.01026	0.02722	0.00372	0.00010	0.00000	0.00000	0.00000	0.00000	0.04131
SOUTHEAST	0.01257	0.03078	0.00557	0.00030	0.00000	0.00000	0.00000	0.00000	0.04923
SOUTH-SOUTHEAST	0.01042	0.02362	0.00462	0.00039	0.00002	0.00000	0.00000	0.00000	0.03907
SOUTH	0.01015	0.01790	0.00763	0.00166	0.00011	0.00004	0.00000	0.00000	0.03749
SOUTH-SOUTHWEST	0.01097	0.03052	0.03481	0.01691	0.00188	0.00018	0.00000	0.00000	0.09528
SOUTHWEST	0.01566	0.04683	0.05727	0.03483	0.00744	0.00064	0.00001	0.00000	0.16267
WEST-SOUTHWEST	0.01704	0.04074	0.05000	0.02543	0.00716	0.00178	0.00013	0.00000	0.14228
WEST	0.01305	0.03286	0.02443	0.01521	0.00528	0.00169	0.00004	0.00000	0.09255
WEST-NORTHWEST	0.01103	0.03373	0.01539	0.00603	0.00157	0.00019	0.00000	0.00000	0.06794
NORTHWEST	0.01021	0.02808	0.01350	0.01098	0.00426	0.00106	0.00000	0.00000	0.06810
NORTH-NORTHWEST	0.00849	0.02474	0.01834	0.00889	0.00157	0.00011	0.00000	0.00000	0.06214
TOTAL:	0.15409	0.40788	0.26952	0.13162	0.03097	0.00575	0.00018	0.00000	1.00000

TABLE 5.3. Continued

STATION: 19 SAGEHILL

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 2/26/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17156.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00414	0.02385	0.01347	0.00231	0.00019	0.00000	0.00000	0.00000	0.04396
NORTH-NORTHEAST	0.00287	0.02166	0.01412	0.00281	0.00010	0.00000	0.00000	0.00000	0.04156
NORTHEAST	0.00340	0.02788	0.01899	0.00227	0.00000	0.00000	0.00000	0.00000	0.05253
EAST-NORTHEAST	0.00295	0.02039	0.01173	0.00079	0.00000	0.00000	0.00000	0.00000	0.03587
EAST	0.00323	0.01879	0.01032	0.00028	0.00000	0.00000	0.00000	0.00000	0.03261
EAST-SOUTHEAST	0.00652	0.03395	0.01260	0.00086	0.00000	0.00000	0.00000	0.00000	0.05393
SOUTHEAST	0.00782	0.03180	0.01409	0.00148	0.00012	0.00000	0.00000	0.00000	0.05530
SOUTH-SOUTHEAST	0.00743	0.04138	0.02909	0.00343	0.00033	0.00000	0.00000	0.00000	0.08167
SOUTH	0.00828	0.04420	0.03433	0.01123	0.00111	0.00007	0.00000	0.00000	0.09923
SOUTH-SOUTHWEST	0.00925	0.03459	0.02367	0.00953	0.00162	0.00020	0.00000	0.00000	0.07886
SOUTHWEST	0.01035	0.03079	0.02114	0.00678	0.00316	0.00053	0.00000	0.00000	0.07274
WEST-SOUTHWEST	0.00879	0.04960	0.03271	0.01073	0.00312	0.00044	0.00000	0.00000	0.10539
WEST	0.00694	0.04879	0.03214	0.00533	0.00053	0.00004	0.00000	0.00000	0.09376
WEST-NORTHWEST	0.00600	0.02687	0.02593	0.01380	0.00340	0.00044	0.00000	0.00000	0.07644
NORTHWEST	0.00613	0.01974	0.00610	0.00237	0.00090	0.00009	0.00000	0.00000	0.03532
NORTH-NORTHWEST	0.00710	0.02529	0.00716	0.00115	0.00011	0.00000	0.00000	0.00000	0.04081
TOTAL:	0.10119	0.49959	0.30759	0.07513	0.01469	0.00181	0.00000	0.00000	1.00000

STATION: 20 RATTLESNAKE MOUNTAIN

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 2/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17028.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00115	0.00863	0.01640	0.01859	0.01033	0.00452	0.00108	0.00074	0.06143
NORTH-NORTHEAST	0.00176	0.00869	0.01844	0.02202	0.01570	0.00970	0.00370	0.00286	0.08288
NORTHEAST	0.00167	0.01224	0.01709	0.01817	0.01159	0.00928	0.00439	0.00358	0.07802
EAST-NORTHEAST	0.00220	0.00899	0.00776	0.00492	0.00338	0.00208	0.00193	0.00205	0.03331
EAST	0.00218	0.00784	0.00381	0.00182	0.00049	0.00028	0.00004	0.00004	0.01649
EAST-SOUTHEAST	0.00403	0.00427	0.00309	0.00117	0.00008	0.00000	0.00000	0.00000	0.01263
SOUTHEAST	0.00189	0.00369	0.00309	0.00099	0.00007	0.00000	0.00000	0.00000	0.00973
SOUTH-SOUTHEAST	0.00168	0.00534	0.00445	0.00134	0.00018	0.00007	0.00000	0.00000	0.01306
SOUTH	0.00186	0.00791	0.00909	0.00550	0.00246	0.00206	0.00125	0.00068	0.03081
SOUTH-SOUTHWEST	0.00311	0.01166	0.02038	0.01822	0.01335	0.01103	0.00850	0.00747	0.09372
SOUTHWEST	0.00352	0.01621	0.03218	0.04561	0.03720	0.03020	0.02047	0.02039	0.20580
WEST-SOUTHWEST	0.00187	0.01061	0.02107	0.03362	0.03058	0.03074	0.01971	0.01880	0.16700
WEST	0.00145	0.00683	0.01196	0.01637	0.01738	0.01468	0.00803	0.00674	0.08343
WEST-NORTHWEST	0.00082	0.00549	0.00836	0.01279	0.00994	0.00487	0.00083	0.00007	0.04315
NORTHWEST	0.00101	0.00578	0.00859	0.00964	0.00485	0.00087	0.00012	0.00000	0.03087
NORTH-NORTHWEST	0.00151	0.00728	0.01032	0.01282	0.00491	0.00068	0.00014	0.00002	0.03768
TOTAL:	0.03169	0.13146	0.19607	0.22359	0.16250	0.12105	0.07020	0.06344	1.00000

TABLE 5.3. Continued

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17370.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00853	0.02462	0.00646	0.00119	0.00014	0.00000	0.00006	0.00000	0.04100
NORTH-NORTHEAST	0.00856	0.01929	0.00604	0.00317	0.00009	0.00000	0.00000	0.00000	0.03714
NORTHEAST	0.00653	0.01638	0.00610	0.00291	0.00020	0.00000	0.00000	0.00000	0.03212
EAST-NORTHEAST	0.00466	0.01472	0.00292	0.00132	0.00040	0.00000	0.00000	0.00000	0.02401
EAST	0.00653	0.01334	0.00204	0.00007	0.00004	0.00000	0.00000	0.00000	0.02202
EAST-SOUTHEAST	0.00718	0.01750	0.00318	0.00006	0.00000	0.00000	0.00000	0.00000	0.02792
SOUTHEAST	0.00515	0.01995	0.00818	0.00074	0.00019	0.00000	0.00000	0.00000	0.03421
SOUTH-SOUTHEAST	0.00476	0.01733	0.01000	0.00261	0.00026	0.00000	0.00000	0.00000	0.03495
SOUTH	0.00579	0.01772	0.00848	0.00306	0.00040	0.00000	0.00000	0.00000	0.03546
SOUTH-SOUTHWEST	0.00569	0.01875	0.01344	0.00724	0.00204	0.00036	0.00000	0.00000	0.04752
SOUTHWEST	0.00569	0.02482	0.02373	0.01817	0.00677	0.00174	0.00012	0.00000	0.08104
WEST-SOUTHWEST	0.00592	0.03550	0.03928	0.02011	0.00647	0.00188	0.00000	0.00000	0.10915
WEST	0.00646	0.04305	0.04188	0.01216	0.00135	0.00057	0.00000	0.00000	0.10545
WEST-NORTHWEST	0.00784	0.05327	0.06551	0.02654	0.00610	0.00021	0.00000	0.00000	0.15947
NORTHWEST	0.00755	0.04637	0.05628	0.02920	0.00934	0.00186	0.00006	0.00000	0.15065
NORTH-NORTHWEST	0.00651	0.03564	0.01231	0.00312	0.00030	0.00000	0.00000	0.00000	0.05787
TOTAL:	0.10334	0.41825	0.30581	0.13166	0.03408	0.00662	0.00023	0.00000	1.00000

STATION: 22 PASCO AIRPORT

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 10340.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00457	0.01900	0.01349	0.00503	0.00024	0.00000	0.00000	0.00000	0.04234
NORTH-NORTHEAST	0.00452	0.01169	0.00702	0.00256	0.00071	0.00000	0.00000	0.00000	0.02651
NORTHEAST	0.00381	0.00837	0.00474	0.00283	0.00008	0.00000	0.00000	0.00000	0.01983
EAST-NORTHEAST	0.00410	0.00852	0.00434	0.00209	0.00044	0.00000	0.00000	0.00000	0.01949
EAST	0.00544	0.01777	0.00531	0.00131	0.00000	0.00006	0.00000	0.00000	0.02988
EAST-SOUTHEAST	0.00577	0.01957	0.00967	0.00372	0.00010	0.00004	0.00000	0.00000	0.03887
SOUTHEAST	0.00237	0.01795	0.00988	0.00254	0.00010	0.00000	0.00000	0.00000	0.03283
SOUTH-SOUTHEAST	0.00184	0.01743	0.01257	0.00273	0.00021	0.00000	0.00000	0.00000	0.03478
SOUTH	0.00259	0.02054	0.02539	0.01688	0.00210	0.00006	0.00000	0.00000	0.06755
SOUTH-SOUTHWEST	0.00389	0.02351	0.03773	0.05394	0.01214	0.00083	0.00000	0.00000	0.13205
SOUTHWEST	0.00230	0.01900	0.04223	0.06935	0.02599	0.00590	0.00069	0.00004	0.16550
WEST-SOUTHWEST	0.00187	0.01729	0.02766	0.03870	0.01857	0.01295	0.00191	0.00045	0.11939
WEST	0.00268	0.01724	0.02049	0.01787	0.00590	0.00267	0.00081	0.00016	0.06782
WEST-NORTHWEST	0.00351	0.02442	0.02319	0.01381	0.00257	0.00031	0.00007	0.00004	0.06792
NORTHWEST	0.00370	0.03304	0.02599	0.01215	0.00161	0.00029	0.00000	0.00000	0.07678
NORTH-NORTHWEST	0.00372	0.02784	0.01831	0.00808	0.00052	0.00000	0.00000	0.00000	0.05847
TOTAL:	0.05667	0.30319	0.28801	0.25358	0.07128	0.02311	0.00348	0.00068	1.00000

TABLE 5.3. Continued

STATION: 23 100 - F AREA

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 7944.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00603	0.01855	0.00447	0.00099	0.00000	0.00000	0.00000	0.00000	0.03004
NORTH-NORTHEAST	0.00554	0.01061	0.00537	0.00272	0.00022	0.00000	0.00000	0.00000	0.02445
NORTHEAST	0.00524	0.01042	0.00502	0.00183	0.00016	0.00000	0.00000	0.00000	0.02266
EAST-NORTHEAST	0.00622	0.01216	0.00352	0.00068	0.00000	0.00000	0.00000	0.00000	0.02258
EAST	0.00559	0.01676	0.00236	0.00028	0.00000	0.00000	0.00000	0.00000	0.02499
EAST-SOUTHEAST	0.00836	0.01902	0.00477	0.00071	0.00000	0.00000	0.00000	0.00000	0.03285
SOUTHEAST	0.00911	0.03666	0.01989	0.00445	0.00003	0.00000	0.00000	0.00000	0.07015
SOUTH-SOUTHEAST	0.00836	0.04727	0.01625	0.00275	0.00031	0.00000	0.00000	0.00000	0.07495
SOUTH	0.00843	0.02269	0.00796	0.00280	0.00024	0.00000	0.00000	0.00000	0.04212
SOUTH-SOUTHWEST	0.00740	0.01701	0.00928	0.00480	0.00208	0.00011	0.00000	0.00000	0.04068
SOUTHWEST	0.00798	0.01652	0.01625	0.01297	0.00555	0.00099	0.00025	0.00000	0.06052
WEST-SOUTHWEST	0.00987	0.02302	0.02821	0.02028	0.00851	0.00140	0.00000	0.00000	0.09130
WEST	0.01133	0.03857	0.05213	0.02401	0.00444	0.00088	0.00000	0.00000	0.13136
WEST-NORTHWEST	0.00996	0.01705	0.07290	0.05034	0.02252	0.00395	0.00036	0.00000	0.22707
NORTHWEST	0.00921	0.03682	0.01539	0.00851	0.00365	0.00022	0.00002	0.00000	0.07381
NORTH-NORTHWEST	0.00716	0.01825	0.00434	0.00072	0.00000	0.00000	0.00000	0.00000	0.03048
TOTAL:	0.12576	0.41138	0.26813	0.13885	0.04771	0.00755	0.00063	0.00000	1.00000

STATION: 24 GABLE WEST

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 8081.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00891	0.01749	0.01193	0.00084	0.00015	0.00000	0.00000	0.00000	0.03932
NORTH-NORTHEAST	0.00789	0.01508	0.00678	0.00396	0.00031	0.00000	0.00000	0.00000	0.03401
NORTHEAST	0.00662	0.01395	0.00631	0.00268	0.00003	0.00000	0.00000	0.00000	0.02959
EAST-NORTHEAST	0.00712	0.01514	0.00453	0.00127	0.00000	0.00000	0.00000	0.00000	0.02806
EAST	0.00668	0.01677	0.00303	0.00028	0.00000	0.00000	0.00000	0.00000	0.02676
EAST-SOUTHEAST	0.00961	0.02535	0.00719	0.00049	0.00000	0.00000	0.00000	0.00000	0.04265
SOUTHEAST	0.01050	0.05211	0.04081	0.00744	0.00026	0.00000	0.00000	0.00000	0.11112
SOUTH-SOUTHEAST	0.01213	0.05179	0.03497	0.00670	0.00049	0.00000	0.00000	0.00000	0.10608
SOUTH	0.01074	0.02221	0.01086	0.00674	0.00116	0.00008	0.00000	0.00000	0.05179
SOUTH-SOUTHWEST	0.00914	0.01777	0.01032	0.00521	0.00097	0.00015	0.00000	0.00000	0.04357
SOUTHWEST	0.00812	0.01516	0.01231	0.01002	0.00404	0.00237	0.00000	0.00000	0.05202
WEST-SOUTHWEST	0.00860	0.02342	0.02497	0.01808	0.00639	0.00159	0.00012	0.00000	0.08317
WEST	0.00968	0.03858	0.04212	0.01749	0.00348	0.00097	0.00015	0.00000	0.11249
WEST-NORTHWEST	0.01349	0.04591	0.03465	0.02524	0.00872	0.00244	0.00020	0.00000	0.13066
NORTHWEST	0.01264	0.03366	0.00894	0.00503	0.00244	0.00019	0.00002	0.00000	0.06291
NORTH-NORTHWEST	0.01232	0.02487	0.00758	0.00101	0.00000	0.00000	0.00000	0.00000	0.04579
TOTAL:	0.15419	0.42928	0.26729	0.11249	0.02846	0.00780	0.00049	0.00000	1.00000

TABLE 5.3. Continued

STATION: 25 VERNITA BRIDGE

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 2/ 8/88 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 4285.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)							>38	TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38		
NORTH	0.00671	0.00881	0.00481	0.00120	0.00044	0.00000	0.00000	0.00000	0.02197
NORTH-NORTHEAST	0.00648	0.02048	0.00391	0.00368	0.00160	0.00000	0.00000	0.00000	0.03614
NORTHEAST	0.00659	0.03121	0.01050	0.00341	0.00009	0.00000	0.00000	0.00000	0.05181
EAST-NORTHEAST	0.00878	0.03483	0.01097	0.00105	0.00020	0.00000	0.00000	0.00000	0.05583
EAST	0.01065	0.03028	0.00598	0.00015	0.00000	0.00000	0.00000	0.00000	0.04705
EAST-SOUTHEAST	0.00884	0.01426	0.00414	0.00009	0.00000	0.00000	0.00000	0.00000	0.02733
SOUTHEAST	0.00636	0.00767	0.00403	0.00076	0.00000	0.00000	0.00000	0.00000	0.01882
SOUTH-SOUTHEAST	0.00735	0.00674	0.00245	0.00131	0.00000	0.00000	0.00000	0.00000	0.01785
SOUTH	0.00540	0.00653	0.00438	0.00198	0.00000	0.00015	0.00000	0.00000	0.01844
SOUTH-SOUTHWEST	0.00487	0.00531	0.00793	0.00691	0.00300	0.00160	0.00044	0.00000	0.03008
SOUTHWEST	0.00738	0.01018	0.01333	0.00904	0.01004	0.00370	0.00026	0.00000	0.05394
WEST-SOUTHWEST	0.01286	0.05286	0.04379	0.01981	0.00505	0.00093	0.00000	0.00000	0.13530
WEST	0.01371	0.06071	0.08069	0.04113	0.00823	0.00175	0.00023	0.00000	0.20645
WEST-NORTHWEST	0.01004	0.02372	0.06129	0.06409	0.02197	0.00117	0.00000	0.00000	0.18226
NORTHWEST	0.00764	0.01435	0.01765	0.02281	0.00983	0.00236	0.00000	0.00000	0.07465
NORTH-NORTHWEST	0.00726	0.00951	0.00490	0.00041	0.00000	0.00000	0.00000	0.00000	0.02208
TOTAL:	0.13092	0.33746	0.28075	0.17783	0.06044	0.01167	0.00093	0.00000	1.00000

TABLE 5.4. Frequency Distribution of Wind Direction and Wind Speed at Monitoring Sites--Summer Season

STATION: 1 PROSSER BARRICADE

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17000.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00712	0.02381	0.01839	0.00614	0.00018	0.00004	0.00000	0.00000	0.05568
NORTH-NORTHEAST	0.00670	0.02064	0.01426	0.00259	0.00071	0.00008	0.00000	0.00000	0.04499
NORTHEAST	0.00626	0.01638	0.00611	0.00112	0.00020	0.00006	0.00000	0.00000	0.03014
EAST-NORTHEAST	0.00473	0.01463	0.00228	0.00000	0.00002	0.00000	0.00000	0.00000	0.02166
EAST	0.00590	0.01310	0.00364	0.00013	0.00004	0.00000	0.00000	0.00000	0.02282
EAST-SOUTHEAST	0.00730	0.01580	0.00626	0.00004	0.00000	0.00000	0.00000	0.00000	0.02940
SOUTHEAST	0.01137	0.02797	0.00533	0.00062	0.00000	0.00000	0.00000	0.00000	0.04530
SOUTH-SOUTHEAST	0.01338	0.05607	0.01852	0.00057	0.00008	0.00000	0.00000	0.00000	0.08862
SOUTH	0.01446	0.06535	0.04174	0.00504	0.00040	0.00000	0.00000	0.00000	0.12698
SOUTH-SOUTHWEST	0.01350	0.04893	0.06018	0.03383	0.00186	0.00026	0.00000	0.00000	0.15856
SOUTHWEST	0.01226	0.02474	0.02914	0.02538	0.00283	0.00026	0.00000	0.00000	0.09460
WEST-SOUTHWEST	0.00707	0.01186	0.01001	0.01163	0.00394	0.00093	0.00010	0.00000	0.04554
WEST	0.00715	0.00961	0.00629	0.00672	0.00232	0.00026	0.00007	0.00000	0.03243
WEST-NORTHWEST	0.00762	0.01325	0.00668	0.00331	0.00047	0.00000	0.00000	0.00000	0.03132
NORTHWEST	0.00807	0.02335	0.02237	0.01787	0.00851	0.00112	0.00000	0.00000	0.08129
NORTH-NORTHWEST	0.00924	0.02891	0.03287	0.01558	0.00360	0.00046	0.00000	0.00000	0.09066
TOTAL:	0.14212	0.41441	0.28406	0.13059	0.02518	0.00347	0.00018	0.00000	1.00000

STATION: 2 EMERGENCY OPERATIONS CENTER

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17163.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00489	0.02887	0.02049	0.00692	0.00093	0.00000	0.00000	0.00000	0.06210
NORTH-NORTHEAST	0.00543	0.03133	0.01281	0.00259	0.00055	0.00000	0.00000	0.00000	0.05270
NORTHEAST	0.00470	0.03003	0.00577	0.00057	0.00009	0.00000	0.00000	0.00000	0.04116
EAST-NORTHEAST	0.00505	0.02502	0.00167	0.00010	0.00000	0.00000	0.00000	0.00000	0.03185
EAST	0.00482	0.02238	0.00221	0.00000	0.00000	0.00000	0.00000	0.00000	0.02941
EAST-SOUTHEAST	0.00462	0.02156	0.00396	0.00000	0.00000	0.00000	0.00000	0.00000	0.03014
SOUTHEAST	0.00373	0.01596	0.00473	0.00001	0.00000	0.00000	0.00000	0.00000	0.02443
SOUTH-SOUTHEAST	0.0048	0.01919	0.00688	0.00013	0.00008	0.00000	0.00000	0.00000	0.03122
SOUTH	0.00688	0.02846	0.01796	0.00109	0.00017	0.00000	0.00000	0.00000	0.05454
SOUTH-SOUTHWEST	0.00738	0.03094	0.03843	0.00842	0.00089	0.00015	0.00000	0.00000	0.08620
SOUTHWEST	0.00647	0.02109	0.03614	0.01715	0.00443	0.00092	0.00000	0.00001	0.08627
WEST-SOUTHWEST	0.00580	0.01798	0.02392	0.01926	0.01147	0.00251	0.00017	0.00005	0.08117
WEST	0.00733	0.02400	0.01763	0.01545	0.00949	0.00217	0.00047	0.00000	0.07655
WEST-NORTHWEST	0.00759	0.03875	0.04274	0.00748	0.00154	0.00055	0.00000	0.00000	0.09864
NORTHWEST	0.00556	0.02913	0.05658	0.03097	0.00541	0.00018	0.00000	0.00000	0.12784
NORTH-NORTHWEST	0.00488	0.02205	0.02848	0.02510	0.00487	0.00039	0.00000	0.00000	0.08577
TOTAL:	0.09008	0.40675	0.32040	0.13523	0.03991	0.00688	0.00070	0.00006	1.00000

TABLE 5.4. Continued

STATION: 3 ARMY LOOP ROAD

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17039.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00806	0.02325	0.01390	0.00123	0.00007	0.00006	0.00000	0.00000	0.04657
NORTH-NORTHEAST	0.00692	0.01984	0.00808	0.00125	0.00069	0.00011	0.00000	0.00000	0.03689
NORTHEAST	0.00956	0.02539	0.00653	0.00090	0.00029	0.00007	0.00000	0.00000	0.04273
EAST-NORTHEAST	0.00970	0.03694	0.00641	0.00032	0.00002	0.00000	0.00000	0.00000	0.05340
EAST	0.01077	0.04741	0.00942	0.00057	0.00004	0.00000	0.00000	0.00000	0.06820
EAST-SOUTHEAST	0.01071	0.04420	0.01358	0.00098	0.00000	0.00000	0.00000	0.00000	0.06947
SOUTHEAST	0.00813	0.03146	0.01441	0.00270	0.00006	0.00000	0.00000	0.00000	0.05675
SOUTH-SOUTHEAST	0.00750	0.01760	0.00794	0.00164	0.00020	0.00000	0.00000	0.00000	0.03488
SOUTH	0.00510	0.01004	0.00564	0.00194	0.00018	0.00000	0.00000	0.00000	0.02290
SOUTH-SOUTHWEST	0.00530	0.00877	0.00467	0.00184	0.00070	0.00005	0.00000	0.00000	0.02133
SOUTHWEST	0.00632	0.00952	0.00729	0.00413	0.00125	0.00026	0.00007	0.00000	0.02885
WEST-SOUTHWEST	0.00514	0.01505	0.01475	0.01386	0.00465	0.00106	0.00017	0.00000	0.05468
WEST	0.00877	0.02624	0.02259	0.01157	0.00283	0.00073	0.00000	0.00000	0.07273
WEST-NORTHWEST	0.00840	0.05433	0.04997	0.01679	0.00340	0.00021	0.00000	0.00000	0.13310
NORTHWEST	0.01036	0.06065	0.05628	0.02915	0.01482	0.00357	0.00001	0.00000	0.17482
NORTH-NORTHWEST	0.00903	0.03724	0.02347	0.00851	0.00384	0.00056	0.00005	0.00000	0.08270
TOTAL:	0.12976	0.46793	0.26492	0.09736	0.03304	0.00669	0.00029	0.00000	1.00000

STATION: 4 RATTLESNAKE SPRINGS

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17243.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00403	0.03177	0.00749	0.00057	0.00000	0.00000	0.00000	0.00000	0.04386
NORTH-NORTHEAST	0.00641	0.03106	0.00532	0.00080	0.00000	0.00000	0.00000	0.00000	0.04359
NORTHEAST	0.00696	0.03027	0.00296	0.00081	0.00006	0.00006	0.00000	0.00000	0.04112
EAST-NORTHEAST	0.00642	0.02662	0.00141	0.00005	0.00000	0.00000	0.00000	0.00000	0.03449
EAST	0.00800	0.03330	0.00360	0.00006	0.00000	0.00000	0.00000	0.00000	0.04496
EAST-SOUTHEAST	0.00723	0.03628	0.00738	0.00025	0.00000	0.00000	0.00000	0.00000	0.05114
SOUTHEAST	0.00581	0.01699	0.00256	0.00004	0.00000	0.00000	0.00000	0.00000	0.02539
SOUTH-SOUTHEAST	0.00439	0.00870	0.00060	0.00002	0.00000	0.00000	0.00000	0.00000	0.01372
SOUTH	0.00404	0.00829	0.00262	0.00106	0.00018	0.00000	0.00000	0.00000	0.01619
SOUTH-SOUTHWEST	0.00634	0.01235	0.00672	0.00271	0.00079	0.00006	0.00000	0.00000	0.02898
SOUTHWEST	0.00801	0.03610	0.01966	0.00640	0.00128	0.00002	0.00000	0.00000	0.07148
WEST-SOUTHWEST	0.00731	0.08556	0.16540	0.02650	0.00310	0.00066	0.00000	0.00000	0.28852
WEST	0.00567	0.03559	0.05350	0.02097	0.00195	0.00017	0.00000	0.00000	0.11784
WEST-NORTHWEST	0.00365	0.01815	0.02991	0.01388	0.00109	0.00002	0.00000	0.00000	0.06669
NORTHWEST	0.00341	0.01599	0.01833	0.01722	0.00333	0.00006	0.00000	0.00000	0.05834
NORTH-NORTHWEST	0.00343	0.02360	0.01558	0.00922	0.00185	0.00000	0.00000	0.00000	0.05368
TOTAL:	0.09111	0.45062	0.34304	0.10056	0.01363	0.00104	0.00000	0.00000	1.00000

TABLE 5.4. Continued

STATION: 5 EDNA RAILROAD CROSSING

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17094.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00558	0.02875	0.01904	0.00208	0.00011	0.00000	0.00000	0.00000	0.05556
NORTH-NORTHEAST	0.00401	0.01965	0.00780	0.00158	0.00067	0.00000	0.00000	0.00000	0.03371
NORTHEAST	0.00431	0.01679	0.00531	0.00238	0.00052	0.00012	0.00000	0.00000	0.02943
EAST-NORTHEAST	0.00462	0.02170	0.00407	0.00123	0.00028	0.00000	0.00000	0.00000	0.03189
EAST	0.00675	0.03688	0.01709	0.00037	0.00006	0.00000	0.00000	0.00000	0.06115
EAST-SOUTHEAST	0.01086	0.06338	0.03798	0.00286	0.00000	0.00000	0.00000	0.00000	0.11508
SOUTHEAST	0.01433	0.08614	0.02639	0.00248	0.00012	0.00000	0.00000	0.00000	0.12946
SOUTH-SOUTHEAST	0.01462	0.04905	0.01498	0.00295	0.00018	0.00000	0.00000	0.00000	0.08178
SOUTH	0.01180	0.02231	0.01049	0.00367	0.00047	0.00000	0.00000	0.00000	0.04875
SOUTH-SOUTHWEST	0.00768	0.01138	0.00608	0.00226	0.00069	0.00000	0.00000	0.00000	0.02808
SOUTHWEST	0.00469	0.00848	0.00760	0.00307	0.00031	0.00006	0.00000	0.00000	0.02421
WEST-SOUTHWEST	0.00532	0.01076	0.01052	0.00613	0.00167	0.00031	0.00000	0.00000	0.03471
WEST	0.00591	0.01169	0.01437	0.00918	0.00176	0.00045	0.00000	0.00000	0.04337
WEST-NORTHWEST	0.01000	0.02135	0.02009	0.01719	0.00724	0.00127	0.00000	0.00000	0.07715
NORTHWEST	0.00956	0.03988	0.03211	0.02288	0.00823	0.00107	0.00000	0.00000	0.11374
NORTH-NORTHWEST	0.00829	0.04766	0.03062	0.00456	0.00075	0.00005	0.00000	0.00000	0.09193
TOTAL:	0.12835	0.49585	0.26454	0.08488	0.02305	0.00333	0.00000	0.00000	1.00000

STATION: 6 200 EAST AREA

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17092.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00510	0.02392	0.00916	0.00143	0.00011	0.00000	0.00000	0.00000	0.03971
NORTH-NORTHEAST	0.00539	0.02265	0.01063	0.00198	0.00094	0.00005	0.00000	0.00000	0.04164
NORTHEAST	0.00457	0.02124	0.00581	0.00129	0.00050	0.00007	0.00000	0.00000	0.03347
EAST-NORTHEAST	0.00519	0.02394	0.00399	0.00026	0.00005	0.00000	0.00000	0.00000	0.03343
EAST	0.00608	0.02929	0.00687	0.00020	0.00000	0.00000	0.00000	0.00000	0.04251
EAST-SOUTHEAST	0.00592	0.03221	0.01071	0.00061	0.00000	0.00000	0.00000	0.00000	0.04944
SOUTHEAST	0.00457	0.03117	0.01351	0.00107	0.00001	0.00000	0.00000	0.00000	0.05032
SOUTH-SOUTHEAST	0.00305	0.02390	0.01398	0.00255	0.00007	0.00000	0.00000	0.00000	0.04355
SOUTH	0.00331	0.01632	0.00760	0.00146	0.00010	0.00000	0.00000	0.00000	0.02878
SOUTH-SOUTHWEST	0.00315	0.01336	0.00497	0.00075	0.00011	0.00000	0.00000	0.00000	0.02234
SOUTHWEST	0.00377	0.01618	0.01089	0.00478	0.00110	0.00002	0.00000	0.00000	0.03674
WEST-SOUTHWEST	0.00385	0.02393	0.02455	0.01443	0.00494	0.00093	0.00018	0.00000	0.07280
WEST	0.00467	0.03271	0.04735	0.01665	0.00323	0.00031	0.00000	0.00000	0.10492
WEST-NORTHWEST	0.00491	0.04021	0.08700	0.06577	0.02101	0.00318	0.00010	0.00000	0.22218
NORTHWEST	0.00536	0.03599	0.03792	0.03092	0.01692	0.00585	0.00031	0.00000	0.13327
NORTH-NORTHWEST	0.00520	0.02699	0.01063	0.00172	0.00036	0.00000	0.00000	0.00000	0.04490
TOTAL:	0.07407	0.41399	0.30558	0.14586	0.04950	0.01041	0.00059	0.00000	1.00000

TABLE 5.4. Continued

STATION: 7 200 WEST AREA

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 14261

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00692	0.03155	0.01029	0.00088	0.00009	0.00000	0.00000	0.00000	0.04972
NORTH-NORTHEAST	0.00611	0.01690	0.00560	0.00110	0.00063	0.00000	0.00000	0.00000	0.03034
NORTHEAST	0.00645	0.01471	0.00250	0.00075	0.00010	0.00007	0.00000	0.00000	0.02457
EAST-NORTHEAST	0.00626	0.01196	0.00167	0.00000	0.00003	0.00000	0.00000	0.00000	0.01991
EAST	0.00663	0.01554	0.00218	0.00004	0.00004	0.00000	0.00000	0.00000	0.02444
EAST-SOUTHEAST	0.00818	0.01723	0.00451	0.00016	0.00000	0.00000	0.00000	0.00000	0.03007
SOUTHEAST	0.00911	0.02375	0.00739	0.00031	0.00000	0.00000	0.00000	0.00000	0.04056
SOUTH-SOUTHEAST	0.00923	0.02117	0.00208	0.00029	0.00000	0.00000	0.00000	0.00000	0.03276
SOUTH	0.00854	0.01454	0.00187	0.00039	0.00000	0.00000	0.00000	0.00000	0.02533
SOUTH-SOUTHWEST	0.00956	0.01463	0.00438	0.00107	0.00025	0.00000	0.00000	0.00000	0.02990
SOUTHWEST	0.00948	0.02014	0.01208	0.00429	0.00147	0.00002	0.00000	0.00000	0.04749
WEST-SOUTHWEST	0.01187	0.03630	0.02729	0.01450	0.00334	0.00054	0.00000	0.00000	0.09384
WEST	0.01419	0.05663	0.03886	0.01073	0.00139	0.00000	0.00000	0.00000	0.12180
WEST-NORTHWEST	0.01346	0.07898	0.05661	0.01594	0.00292	0.00018	0.00000	0.00000	0.16811
NORTHWEST	0.01103	0.05216	0.05065	0.03819	0.01956	0.00326	0.00000	0.00000	0.17484
NORTH-NORTHWEST	0.00709	0.04060	0.02849	0.00870	0.00138	0.00006	0.00000	0.00000	0.08633
TOTAL:	0.14410	0.46680	0.25643	0.09733	0.03120	0.00414	0.00000	0.00000	1.00000

STATION: 8 WAHLUKE

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16652

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00882	0.01179	0.00264	0.00050	0.00011	0.00004	0.00000	0.00000	0.02391
NORTH-NORTHEAST	0.00943	0.01703	0.00479	0.00052	0.00016	0.00000	0.00000	0.00000	0.03193
NORTHEAST	0.01265	0.01685	0.00404	0.00058	0.00001	0.00000	0.00000	0.00000	0.03413
EAST-NORTHEAST	0.01624	0.02555	0.00325	0.00017	0.00000	0.00000	0.00000	0.00000	0.04522
EAST	0.02035	0.06567	0.01268	0.00086	0.00000	0.00000	0.00000	0.00000	0.09955
EAST-SOUTHEAST	0.01988	0.04274	0.00167	0.00005	0.00000	0.00000	0.00000	0.00000	0.06433
SOUTHEAST	0.01549	0.02130	0.00065	0.00000	0.00006	0.00000	0.00000	0.00000	0.03751
SOUTH-SOUTHEAST	0.01158	0.01275	0.00026	0.00000	0.00000	0.00000	0.00000	0.00000	0.02458
SOUTH	0.00989	0.01547	0.00128	0.00000	0.00000	0.00000	0.00000	0.00000	0.02663
SOUTH-SOUTHWEST	0.00928	0.01426	0.00256	0.00027	0.00006	0.00000	0.00000	0.00000	0.02642
SOUTHWEST	0.00848	0.01495	0.00510	0.00207	0.00014	0.00000	0.00000	0.00000	0.03074
WEST-SOUTHWEST	0.00974	0.03041	0.01109	0.00230	0.00028	0.00000	0.00000	0.00000	0.05382
WEST	0.01107	0.06911	0.05044	0.01967	0.00360	0.00044	0.00000	0.00000	0.15434
WEST-NORTHWEST	0.01176	0.06899	0.06911	0.04959	0.01841	0.00440	0.00071	0.00000	0.22297
NORTHWEST	0.01014	0.03033	0.01941	0.01902	0.00829	0.00208	0.00032	0.00000	0.08958
NORTH-NORTHWEST	0.01043	0.01571	0.00494	0.00234	0.00067	0.00025	0.00000	0.00000	0.03434
TOTAL:	0.19523	0.47292	0.19391	0.09795	0.03177	0.00721	0.00102	0.00000	1.00000

TABLE 5.4. Continued

STATION: 9 FAST FLUX TEST FACILITY

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16916.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00241	0.02011	0.01556	0.00325	0.00028	0.00000	0.00000	0.00000	0.04161
NORTH-NORTHEAST	0.00267	0.02342	0.01927	0.00386	0.00089	0.00011	0.00000	0.00000	0.05023
NORTHEAST	0.00234	0.02074	0.01435	0.00207	0.00033	0.00018	0.00000	0.00000	0.04001
EAST-NORTHEAST	0.00284	0.01844	0.00838	0.00035	0.00005	0.00000	0.00000	0.00000	0.03005
EAST	0.00270	0.01871	0.00883	0.00023	0.00006	0.00000	0.00000	0.00000	0.03053
EAST-SOUTHEAST	0.00353	0.02574	0.01212	0.00052	0.00000	0.00000	0.00000	0.00000	0.04192
SOUTHEAST	0.00350	0.03410	0.02039	0.00246	0.00012	0.00000	0.00000	0.00000	0.06056
SOUTH-SOUTHEAST	0.00288	0.03747	0.03983	0.00423	0.00010	0.00002	0.00000	0.00000	0.08454
SOUTH	0.00423	0.04058	0.05679	0.01683	0.00089	0.00033	0.00000	0.00000	0.11966
SOUTH-SOUTHWEST	0.00374	0.03380	0.06011	0.04081	0.00500	0.00044	0.00000	0.00000	0.14389
SOUTHWEST	0.00406	0.02012	0.01988	0.01612	0.00429	0.00090	0.00000	0.00000	0.06537
WEST-SOUTHWEST	0.00338	0.01395	0.00992	0.00869	0.00305	0.00064	0.00016	0.00000	0.03980
WEST	0.00231	0.01415	0.01576	0.00799	0.00246	0.00017	0.00007	0.00000	0.04292
WEST-NORTHWEST	0.00191	0.01736	0.02960	0.01734	0.00574	0.00047	0.00000	0.00000	0.07243
NORTHWEST	0.00191	0.01802	0.03234	0.02468	0.01219	0.00288	0.00024	0.00000	0.09226
NORTH-NORTHWEST	0.00293	0.01813	0.01699	0.00532	0.00084	0.00000	0.00000	0.00000	0.04421
TOTAL:	0.04735	0.37485	0.38011	0.15476	0.03630	0.00615	0.00047	0.00000	1.00000

STATION: 10 YAKIMA BARRICADE

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16962.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00620	0.03112	0.01806	0.00119	0.00000	0.00000	0.00000	0.00000	0.05657
NORTH-NORTHEAST	0.00618	0.02960	0.00758	0.00108	0.00005	0.00000	0.00000	0.00000	0.04449
NORTHEAST	0.00652	0.02041	0.00318	0.00049	0.00007	0.00000	0.00000	0.00000	0.03067
EAST-NORTHEAST	0.00506	0.01690	0.00149	0.00020	0.00005	0.00000	0.00000	0.00000	0.02370
EAST	0.00436	0.01612	0.00264	0.00007	0.00000	0.00000	0.00000	0.00000	0.02318
EAST-SOUTHEAST	0.00545	0.01893	0.00435	0.00021	0.00000	0.00000	0.00000	0.00000	0.02894
SOUTHEAST	0.00570	0.01882	0.00716	0.00071	0.00000	0.00000	0.00000	0.00000	0.03239
SOUTH-SOUTHEAST	0.00503	0.01637	0.00533	0.00043	0.00002	0.00000	0.00000	0.00000	0.02718
SOUTH	0.00476	0.01293	0.00399	0.00079	0.00017	0.00000	0.00000	0.00000	0.02264
SOUTH-SOUTHWEST	0.00425	0.01582	0.00713	0.00174	0.00010	0.00000	0.00000	0.00000	0.02904
SOUTHWEST	0.00543	0.02249	0.02212	0.00952	0.00265	0.00027	0.00000	0.00000	0.06249
WEST-SOUTHWEST	0.00843	0.04107	0.03345	0.01384	0.00327	0.00067	0.00000	0.00000	0.10073
WEST	0.01170	0.06030	0.04209	0.00756	0.00093	0.00004	0.00000	0.00000	0.12262
WEST-NORTHWEST	0.00716	0.04240	0.03610	0.01576	0.00540	0.00126	0.00000	0.00000	0.10807
NORTHWEST	0.00511	0.03236	0.05313	0.05484	0.03529	0.00917	0.00041	0.00000	0.19032
NORTH-NORTHWEST	0.00545	0.03385	0.03821	0.01497	0.00387	0.00062	0.00000	0.00000	0.09697
TOTAL:	0.09680	0.42949	0.28599	0.12339	0.05188	0.01203	0.00041	0.00000	1.00000

TABLE 5.4. Continued

STATION: 11 300 AREA

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 12847.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00300	0.01664	0.03089	0.00831	0.00045	0.00000	0.00000	0.00000	0.05928
NORTH-NORTHEAST	0.00286	0.01314	0.02673	0.00884	0.00113	0.00007	0.00000	0.00000	0.05277
NORTHEAST	0.00294	0.01172	0.01899	0.00260	0.00040	0.00001	0.00000	0.00000	0.03666
EAST-NORTHEAST	0.00244	0.01813	0.01086	0.00068	0.00027	0.00000	0.00000	0.00000	0.03238
EAST	0.00344	0.02948	0.01813	0.00077	0.00008	0.00000	0.00000	0.00000	0.05190
EAST-SOUTHEAST	0.00440	0.04515	0.03117	0.00054	0.00007	0.00000	0.00000	0.00000	0.08133
SOUTHEAST	0.00561	0.07328	0.03756	0.00190	0.00009	0.00000	0.00000	0.00000	0.11843
SOUTH-SOUTHEAST	0.00801	0.05006	0.01681	0.00143	0.00027	0.00000	0.00000	0.00000	0.07658
SOUTH	0.00638	0.03476	0.02453	0.00484	0.00076	0.00000	0.00000	0.00000	0.07127
SOUTH-SOUTHWEST	0.00565	0.02771	0.04038	0.02193	0.00373	0.00042	0.00000	0.00000	0.09982
SOUTHWEST	0.00420	0.02150	0.04037	0.02580	0.00390	0.00038	0.00000	0.00000	0.09616
WEST-SOUTHWEST	0.00515	0.01318	0.02225	0.01952	0.00507	0.00059	0.00000	0.00000	0.06576
WEST	0.00384	0.01002	0.00874	0.00680	0.00290	0.00032	0.00008	0.00000	0.03270
WEST-NORTHWEST	0.00458	0.01159	0.00626	0.00296	0.00055	0.00007	0.00000	0.00000	0.02601
NORTHWEST	0.00423	0.01538	0.01086	0.00967	0.00612	0.00113	0.00000	0.00000	0.04739
NORTH-NORTHWEST	0.00354	0.02002	0.01688	0.00811	0.00278	0.00020	0.00000	0.00000	0.05154
TOTAL:	0.07029	0.41177	0.36141	0.12470	0.02857	0.00319	0.00008	0.00000	1.00000

STATION: 12 WYE BARRICADE

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17085.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00325	0.01681	0.01189	0.00285	0.00015	0.00000	0.00000	0.00000	0.03494
NORTH-NORTHEAST	0.00334	0.01750	0.01048	0.00300	0.00088	0.00029	0.00000	0.00000	0.03548
NORTHEAST	0.00353	0.01828	0.00851	0.00172	0.00007	0.00007	0.00000	0.00000	0.03218
EAST-NORTHEAST	0.00382	0.01817	0.00623	0.00091	0.00000	0.00005	0.00000	0.00000	0.02918
EAST	0.00393	0.02355	0.00857	0.00034	0.00006	0.00000	0.00000	0.00000	0.03645
EAST-SOUTHEAST	0.00472	0.02464	0.00764	0.00048	0.00000	0.00000	0.00000	0.00000	0.03748
SOUTHEAST	0.00499	0.02687	0.01144	0.00075	0.00006	0.00000	0.00000	0.00000	0.04410
SOUTH-SOUTHEAST	0.00558	0.03551	0.02191	0.00320	0.00014	0.00000	0.00000	0.00000	0.06634
SOUTH	0.00539	0.03910	0.03725	0.00876	0.00100	0.00000	0.00000	0.00000	0.09156
SOUTH-SOUTHWEST	0.00392	0.03579	0.05012	0.01862	0.00310	0.00005	0.00000	0.00000	0.11161
SOUTHWEST	0.00403	0.03089	0.03287	0.01182	0.00252	0.00068	0.00006	0.00000	0.08287
WEST-SOUTHWEST	0.00455	0.02794	0.02453	0.01082	0.00394	0.00093	0.00036	0.00000	0.07308
WEST	0.00371	0.02254	0.03259	0.01570	0.00388	0.00058	0.00011	0.00000	0.07910
WEST-NORTHWEST	0.00278	0.02195	0.04240	0.02947	0.00917	0.00140	0.00005	0.00000	0.10721
NORTHWEST	0.00448	0.01986	0.02804	0.02090	0.01386	0.00495	0.00018	0.00000	0.09227
NORTH-NORTHWEST	0.00295	0.01919	0.01652	0.00570	0.00146	0.00031	0.00000	0.00000	0.04613
TOTAL:	0.06497	0.39860	0.35101	0.13503	0.04027	0.00936	0.00076	0.00000	1.00000

TABLE 5.4. Continued

STATION: 13 100 - N AREA

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17078.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00725	0.02632	0.00532	0.00072	0.00011	0.00000	0.00000	0.00000	0.03972
NORTH-NORTHEAST	0.00635	0.02048	0.00893	0.00211	0.00083	0.00026	0.00000	0.00000	0.03895
NORTHEAST	0.00618	0.01888	0.00834	0.00229	0.00066	0.00028	0.00000	0.00000	0.03663
EAST-NORTHEAST	0.00703	0.01937	0.00691	0.00093	0.00002	0.00005	0.00000	0.00000	0.03431
EAST	0.00815	0.02776	0.00730	0.00065	0.00013	0.00000	0.00000	0.00000	0.04400
EAST-SOUTHEAST	0.00755	0.02830	0.01375	0.00151	0.00012	0.00000	0.00000	0.00000	0.05123
SOUTHEAST	0.00687	0.02066	0.01282	0.00295	0.00032	0.00000	0.00000	0.00000	0.04362
SOUTH-SOUTHEAST	0.00520	0.01365	0.00519	0.00148	0.00024	0.00000	0.00000	0.00000	0.02576
SOUTH	0.00565	0.00971	0.00318	0.00055	0.00004	0.00000	0.00000	0.00000	0.01913
SOUTH-SOUTHWEST	0.00595	0.01386	0.00528	0.00138	0.00010	0.00000	0.00000	0.00000	0.02657
SOUTHWEST	0.00879	0.03015	0.01754	0.00847	0.00152	0.00020	0.00001	0.00000	0.06669
WEST-SOUTHWEST	0.00960	0.06101	0.04414	0.01017	0.00132	0.00037	0.00005	0.00000	0.12666
WEST	0.01055	0.06008	0.05719	0.02599	0.00423	0.00052	0.00000	0.00000	0.15857
WEST-NORTHWEST	0.01315	0.05444	0.03857	0.03067	0.01315	0.00261	0.00000	0.00000	0.15259
NORTHWEST	0.01195	0.04240	0.01167	0.01047	0.00512	0.00122	0.00006	0.00000	0.08288
NORTH-NORTHWEST	0.01040	0.03488	0.00525	0.00180	0.00037	0.00000	0.00000	0.00000	0.05270
TOTAL:	0.13064	0.48197	0.25138	0.10212	0.02828	0.00550	0.00012	0.00000	1.00000

STATION: 14 WNP - 2 FACILITY

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17191.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00990	0.03555	0.01386	0.00227	0.00024	0.00000	0.00000	0.00000	0.06181
NORTH-NORTHEAST	0.01057	0.03111	0.01098	0.00166	0.00088	0.00000	0.00000	0.00000	0.05520
NORTHEAST	0.01025	0.03226	0.00584	0.00083	0.00016	0.00006	0.00000	0.00000	0.04939
EAST-NORTHEAST	0.00926	0.02333	0.00382	0.00007	0.00000	0.00000	0.00000	0.00000	0.03648
EAST	0.00921	0.01758	0.00282	0.00007	0.00000	0.00000	0.00000	0.00000	0.02968
EAST-SOUTHEAST	0.00846	0.02464	0.00678	0.00017	0.00000	0.00000	0.00000	0.00000	0.04006
SOUTHEAST	0.01147	0.03009	0.01120	0.00078	0.00007	0.00006	0.00000	0.00000	0.05367
SOUTH-SOUTHEAST	0.01175	0.05389	0.02034	0.00152	0.00007	0.00000	0.00000	0.00000	0.08758
SOUTH	0.01347	0.06412	0.03762	0.00571	0.00039	0.00000	0.00000	0.00000	0.12131
SOUTH-SOUTHWEST	0.01167	0.04212	0.03519	0.01424	0.00160	0.00011	0.00000	0.00000	0.10494
SOUTHWEST	0.00953	0.02266	0.01578	0.00755	0.00172	0.00007	0.00000	0.00000	0.05730
WEST-SOUTHWEST	0.00662	0.01608	0.00985	0.00540	0.00201	0.00025	0.00010	0.00000	0.04032
WEST	0.00695	0.01449	0.01185	0.00683	0.00216	0.00032	0.00007	0.00000	0.04267
WEST-NORTHWEST	0.00615	0.01963	0.02100	0.01243	0.00289	0.00031	0.00000	0.00000	0.06241
NORTHWEST	0.00814	0.02549	0.02565	0.02082	0.01192	0.00187	0.00017	0.00000	0.09405
NORTH-NORTHWEST	0.00931	0.03401	0.01399	0.00405	0.00160	0.00015	0.00000	0.00000	0.06312
TOTAL:	0.15270	0.48706	0.24658	0.08440	0.02571	0.00320	0.00035	0.00000	1.00000

TABLE 5.4. Continued

STATION: 15 FRANKLIN COUNTY

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17234.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00352	0.03545	0.02963	0.00107	0.00000	0.00000	0.00000	0.00000	0.06967
NORTH-NORTHEAST	0.00421	0.02431	0.01284	0.00094	0.00035	0.00000	0.00000	0.00000	0.04264
NORTHEAST	0.00385	0.01719	0.00695	0.00229	0.00030	0.00000	0.00000	0.00000	0.03058
EAST-NORTHEAST	0.00366	0.01573	0.00419	0.00176	0.00005	0.00000	0.00000	0.00000	0.02539
EAST	0.00523	0.02517	0.00654	0.00006	0.00006	0.00000	0.00000	0.00000	0.03706
EAST-SOUTHEAST	0.00611	0.03104	0.01117	0.00017	0.00000	0.00000	0.00000	0.00000	0.04849
SOUTHEAST	0.00625	0.04422	0.01696	0.00080	0.00012	0.00000	0.00000	0.00000	0.06835
SOUTH-SOUTHEAST	0.00729	0.05161	0.02145	0.00091	0.00004	0.00000	0.00000	0.00000	0.08131
SOUTH	0.00688	0.04831	0.03867	0.00389	0.00029	0.00000	0.00000	0.00000	0.09804
SOUTH-SOUTHWEST	0.00635	0.03744	0.05148	0.01514	0.00093	0.00010	0.00000	0.00000	0.11144
SOUTHWEST	0.00574	0.02564	0.03605	0.01539	0.00088	0.00004	0.00000	0.00000	0.08374
WEST-SOUTHWEST	0.00504	0.01897	0.01245	0.00825	0.00132	0.00053	0.00000	0.00000	0.04656
WEST	0.00643	0.01932	0.00648	0.00296	0.00074	0.00015	0.00000	0.00000	0.03607
WEST-NORTHWEST	0.00508	0.02691	0.01129	0.00291	0.00034	0.00000	0.00000	0.00000	0.04653
NORTHWEST	0.00410	0.03513	0.03673	0.01271	0.00132	0.00041	0.00000	0.00000	0.09040
NORTH-NORTHWEST	0.00405	0.03474	0.03981	0.00508	0.00005	0.00000	0.00000	0.00000	0.08373
TOTAL:	0.08379	0.49118	0.34269	0.07433	0.00679	0.00122	0.00000	0.00000	1.00000

STATION: 16 GABLE MOUNTAIN

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16807.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00249	0.01552	0.01707	0.01108	0.00312	0.00054	0.00000	0.00000	0.04982
NORTH-NORTHEAST	0.00224	0.01882	0.02430	0.01652	0.00495	0.00074	0.00053	0.00000	0.06810
NORTHEAST	0.00227	0.01752	0.01578	0.00776	0.00366	0.00079	0.00055	0.00012	0.04845
EAST-NORTHEAST	0.00251	0.01155	0.00838	0.00093	0.00039	0.00021	0.00005	0.00000	0.02402
EAST	0.00233	0.01154	0.00996	0.00100	0.00023	0.00000	0.00000	0.00000	0.02505
EAST-SOUTHEAST	0.00147	0.01226	0.01183	0.00230	0.00028	0.00000	0.00000	0.00000	0.02814
SOUTHEAST	0.00255	0.01206	0.01289	0.00447	0.00026	0.00000	0.00000	0.00000	0.03223
SOUTH-SOUTHEAST	0.00195	0.01642	0.01634	0.00999	0.00223	0.00019	0.00000	0.00000	0.04712
SOUTH	0.00225	0.02512	0.02509	0.01277	0.00412	0.00147	0.00015	0.00004	0.07100
SOUTH-SOUTHWEST	0.00262	0.02367	0.01966	0.00929	0.00259	0.00077	0.00009	0.00002	0.05870
SOUTHWEST	0.00320	0.01924	0.01743	0.01190	0.00553	0.00292	0.00071	0.00021	0.06114
WEST-SOUTHWEST	0.00335	0.01661	0.02023	0.01861	0.00889	0.00322	0.00066	0.00033	0.07189
WEST	0.00291	0.01512	0.02056	0.02379	0.01145	0.00318	0.00028	0.00000	0.07730
WEST-NORTHWEST	0.00216	0.01503	0.02347	0.03925	0.05063	0.02317	0.00535	0.00010	0.15917
NORTHWEST	0.00187	0.01566	0.02558	0.03555	0.03615	0.01261	0.00139	0.00001	0.12883
NORTH-NORTHWEST	0.00222	0.01578	0.01810	0.00863	0.00320	0.00101	0.00011	0.00000	0.04906
TOTAL:	0.03838	0.26191	0.28667	0.21384	0.13768	0.05081	0.00988	0.00083	1.00000

TABLE 5.4. Continued

STATION: 17 RINGOLD

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16996.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)									TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38		
NORTH	0.01930	0.01572	0.00165	0.00010	0.00006	0.00000	0.00000	0.00000	0.00000	0.03682
NORTH-NORTHEAST	0.03160	0.03343	0.00314	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.06853
NORTHEAST	0.03894	0.10792	0.00686	0.00161	0.00037	0.00007	0.00000	0.00000	0.00000	0.15577
EAST-NORTHEAST	0.02809	0.03406	0.00188	0.00011	0.00005	0.00005	0.00000	0.00000	0.00000	0.06424
EAST	0.01973	0.02249	0.00060	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.04286
EAST-SOUTHEAST	0.01547	0.02317	0.00154	0.00007	0.00000	0.00000	0.00000	0.00000	0.00000	0.04025
SOUTHEAST	0.01227	0.02523	0.00410	0.00031	0.00000	0.00000	0.00000	0.00000	0.00000	0.04191
SOUTH-SOUTHEAST	0.01150	0.02854	0.01136	0.00068	0.00002	0.00000	0.00000	0.00000	0.00000	0.05210
SOUTH	0.01239	0.02894	0.01875	0.00197	0.00004	0.00000	0.00000	0.00000	0.00000	0.06209
SOUTH-SOUTHWEST	0.01493	0.03452	0.03015	0.00438	0.00021	0.00000	0.00000	0.00000	0.00000	0.08418
SOUTHWEST	0.01437	0.02679	0.01459	0.00354	0.00019	0.00001	0.00000	0.00001	0.00001	0.05950
WEST-SOUTHWEST	0.01642	0.03205	0.01344	0.00465	0.00091	0.00023	0.00000	0.00005	0.00000	0.06775
WEST	0.01550	0.02606	0.01981	0.00577	0.00083	0.00000	0.00000	0.00000	0.00000	0.06797
WEST-NORTHWEST	0.01245	0.01906	0.02870	0.02000	0.00457	0.00031	0.00000	0.00000	0.00000	0.08509
NORTHWEST	0.01188	0.01400	0.01315	0.00685	0.00087	0.00004	0.00000	0.00000	0.00000	0.04679
NORTH-NORTHWEST	0.01482	0.00896	0.00037	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02415
TOTAL:	0.28966	0.48094	0.17010	0.05036	0.00818	0.00071	0.00000	0.00006	1.00000	

STATION: 18 RICHLAND AIRPORT

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17119.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)									TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38		
NORTH	0.00312	0.00901	0.01006	0.00464	0.00064	0.00000	0.00000	0.00000	0.00000	0.02748
NORTH-NORTHEAST	0.00288	0.00667	0.00972	0.00275	0.00050	0.00005	0.00000	0.00000	0.00000	0.02256
NORTHEAST	0.00359	0.00918	0.00659	0.00096	0.00031	0.00001	0.00000	0.00000	0.00000	0.02063
EAST-NORTHEAST	0.00353	0.01430	0.00809	0.00018	0.00000	0.00000	0.00000	0.00000	0.00000	0.02610
EAST	0.00675	0.02892	0.00744	0.00013	0.00000	0.00000	0.00000	0.00000	0.00000	0.04323
EAST-SOUTHEAST	0.01137	0.04757	0.00529	0.00018	0.00000	0.00000	0.00000	0.00000	0.00000	0.06441
SOUTHEAST	0.01245	0.04553	0.00616	0.00014	0.00000	0.00000	0.00000	0.00000	0.00000	0.06428
SOUTH-SOUTHEAST	0.01406	0.03169	0.00534	0.00034	0.00004	0.00000	0.00000	0.00000	0.00000	0.05149
SOUTH	0.01355	0.02664	0.01192	0.00177	0.00031	0.00000	0.00000	0.00000	0.00000	0.05419
SOUTH-SOUTHWEST	0.01250	0.04109	0.04118	0.02037	0.00221	0.00015	0.00000	0.00000	0.00000	0.11751
SOUTHWEST	0.01614	0.05251	0.05251	0.01997	0.00155	0.00002	0.00000	0.00000	0.00000	0.14271
WEST-SOUTHWEST	0.02499	0.04240	0.03454	0.01571	0.00161	0.00036	0.00000	0.00000	0.00000	0.11962
WEST	0.01666	0.03231	0.02185	0.01506	0.00344	0.00058	0.00006	0.00000	0.00000	0.08997
WEST-NORTHWEST	0.00972	0.02612	0.01686	0.00807	0.00177	0.00017	0.00000	0.00000	0.00000	0.06271
NORTHWEST	0.00634	0.01991	0.01057	0.01026	0.00468	0.00154	0.00018	0.00000	0.00000	0.05347
NORTH-NORTHWEST	0.00537	0.01442	0.01160	0.00549	0.00221	0.00056	0.00000	0.00000	0.00000	0.03965
TOTAL:	0.16304	0.44827	0.25971	0.10602	0.01928	0.00345	0.00023	0.00000	1.00000	

TABLE 5.4. Continued

STATION: 19 SAGEHILL

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 2/26/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17024.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00346	0.02947	0.01289	0.00095	0.00010	0.00000	0.00000	0.00000	0.04686
NORTH-NORTHEAST	0.00260	0.02485	0.01364	0.00237	0.00046	0.00000	0.00006	0.00000	0.04397
NORTHEAST	0.00231	0.02476	0.01843	0.00062	0.00045	0.00000	0.00000	0.00000	0.04657
EAST-NORTHEAST	0.00241	0.01783	0.00494	0.00011	0.00005	0.00000	0.00000	0.00000	0.02534
EAST	0.00211	0.01904	0.00539	0.00028	0.00000	0.00000	0.00000	0.00000	0.02682
FAST-SOUTHEAST	0.00264	0.03977	0.00872	0.00101	0.00010	0.00000	0.00000	0.00000	0.05224
SOUTHEAST	0.00441	0.05387	0.02806	0.00121	0.00002	0.00000	0.00000	0.00000	0.08757
SOUTH-SOUTHEAST	0.00761	0.07235	0.04101	0.00288	0.00007	0.00000	0.00000	0.00000	0.12392
SOUTH	0.00642	0.04979	0.02875	0.00230	0.00029	0.00000	0.00000	0.00000	0.08755
SOUTH-SOUTHWEST	0.00894	0.03092	0.01125	0.00180	0.00004	0.00000	0.00000	0.00000	0.05295
SOUTHWEST	0.01299	0.03328	0.01309	0.00297	0.00005	0.00006	0.00000	0.00000	0.06243
WEST-SOUTHWEST	0.00879	0.04867	0.02046	0.00347	0.00062	0.00016	0.00000	0.00000	0.08216
WEST	0.00646	0.05796	0.03067	0.00178	0.00010	0.00011	0.00000	0.00000	0.09708
WEST-NORTHWEST	0.00582	0.03182	0.03208	0.01052	0.00060	0.00007	0.00000	0.00000	0.08091
NORTHWEST	0.00439	0.02201	0.00711	0.00254	0.00029	0.00007	0.00000	0.00000	0.03640
NORTH-NORTHWEST	0.00352	0.03475	0.00816	0.00073	0.00005	0.00000	0.00000	0.00000	0.04721
TOTAL:	0.08488	0.59111	0.28466	0.03554	0.00329	0.00047	0.00006	0.00000	1.00000

STATION: 20 RATTLESNAKE MOUNTAIN

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 2/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17237.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00201	0.01176	0.02236	0.01987	0.00865	0.00569	0.00141	0.00022	0.07199
NORTH-NORTHEAST	0.00135	0.01266	0.02750	0.03001	0.01599	0.01300	0.00366	0.00183	0.10600
NORTHEAST	0.00197	0.01804	0.02722	0.02001	0.00968	0.00587	0.00385	0.00376	0.09040
EAST-NORTHEAST	0.00211	0.01564	0.01485	0.00366	0.00067	0.00033	0.00020	0.00010	0.03757
EAST	0.00273	0.01114	0.00565	0.00042	0.00007	0.00000	0.00000	0.00000	0.02001
EAST-SOUTHEAST	0.00252	0.00908	0.00300	0.00015	0.00000	0.00000	0.00000	0.00000	0.01475
SOUTHEAST	0.00289	0.00941	0.00316	0.00032	0.00000	0.00000	0.00000	0.00000	0.01578
SOUTH-SOUTHEAST	0.00266	0.01110	0.00489	0.00133	0.00038	0.00004	0.00007	0.00004	0.02052
SOUTH	0.00228	0.01462	0.01106	0.00790	0.00259	0.00078	0.00053	0.00015	0.03990
SOUTH-SOUTHWEST	0.00436	0.02116	0.02795	0.02685	0.01026	0.00535	0.00251	0.00066	0.09909
SOUTHWEST	0.00323	0.02283	0.04320	0.05145	0.02673	0.01608	0.00858	0.00436	0.17646
WEST-SOUTHWEST	0.00215	0.01472	0.02663	0.03097	0.02473	0.01902	0.01072	0.00725	0.13621
WEST	0.00163	0.01041	0.01523	0.01615	0.01023	0.00416	0.00102	0.00022	0.05905
WEST-NORTHWEST	0.00133	0.00926	0.01102	0.00873	0.00444	0.00074	0.00020	0.00002	0.03574
NORTHWEST	0.00146	0.00871	0.00912	0.00968	0.00260	0.00081	0.00006	0.00000	0.03244
NORTH-NORTHWEST	0.00158	0.01078	0.01372	0.01266	0.00360	0.00147	0.00021	0.00007	0.04408
TOTAL:	0.03627	0.21133	0.26657	0.24016	0.12063	0.07334	0.03302	0.01868	1.00000

TABLE 5.4. Continued

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17500.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00567	0.02795	0.01063	0.00086	0.00016	0.00000	0.00000	0.00000	0.04527
NORTH-NORTHEAST	0.00590	0.02363	0.00840	0.00124	0.00079	0.00000	0.00000	0.00000	0.03996
NORTHEAST	0.00562	0.02006	0.00514	0.00094	0.00018	0.00006	0.00000	0.00000	0.03199
EAST-NORTHEAST	0.00505	0.01644	0.00466	0.00062	0.00010	0.00000	0.00000	0.00000	0.02686
EAST	0.00456	0.02036	0.00423	0.00013	0.00000	0.00000	0.00000	0.00000	0.02927
EAST-SOUTHEAST	0.00524	0.02362	0.00478	0.00016	0.00000	0.00000	0.00000	0.00000	0.03379
SOUTHEAST	0.00482	0.02161	0.00794	0.00041	0.00000	0.00000	0.00000	0.00000	0.03478
SOUTH-SOUTHEAST	0.00407	0.01877	0.00696	0.00064	0.00006	0.00000	0.00000	0.00000	0.03050
SOUTH	0.00450	0.01506	0.00367	0.00061	0.00004	0.00000	0.00000	0.00000	0.02387
SOUTH-SOUTHWEST	0.00492	0.01814	0.00749	0.00195	0.00017	0.00000	0.00000	0.00000	0.03267
SOUTHWEST	0.00446	0.02424	0.01661	0.00850	0.00166	0.00011	0.00000	0.00000	0.05557
WEST-SOUTHWEST	0.00499	0.03818	0.03326	0.01435	0.00211	0.00066	0.00006	0.00000	0.09361
WEST	0.00614	0.04476	0.04024	0.01019	0.00089	0.00018	0.00000	0.00000	0.10241
WEST-NORTHWEST	0.00486	0.05008	0.07348	0.03507	0.00828	0.00039	0.00000	0.00000	0.17216
NORTHWEST	0.00493	0.04339	0.06221	0.04713	0.01826	0.00209	0.00011	0.00000	0.17814
NORTH-NORTHWEST	0.00546	0.03566	0.02174	0.00544	0.00084	0.00000	0.00000	0.00000	0.06914
TOTAL:	0.08120	0.44194	0.31143	0.12823	0.03354	0.00349	0.00017	0.00000	1.00000

STATION: 22 PASCO AIRPORT

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 9433.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00873	0.02976	0.01818	0.00440	0.00007	0.00007	0.00000	0.00000	0.06121
NORTH-NORTHEAST	0.00775	0.01965	0.00869	0.00164	0.00000	0.00015	0.00000	0.00000	0.03789
NORTHEAST	0.00720	0.01468	0.00476	0.00172	0.00086	0.00011	0.00000	0.00000	0.02933
EAST-NORTHEAST	0.00677	0.01475	0.00474	0.00060	0.00009	0.00000	0.00000	0.00000	0.02695
EAST	0.00525	0.01694	0.00399	0.00089	0.00017	0.00000	0.00000	0.00000	0.02723
EAST-SOUTHEAST	0.00432	0.01688	0.00667	0.00276	0.00023	0.00000	0.00000	0.00000	0.03085
SOUTHEAST	0.00354	0.01701	0.00831	0.00205	0.00004	0.00000	0.00000	0.00000	0.03096
SOUTH-SOUTHEAST	0.00310	0.01444	0.01000	0.00280	0.00017	0.00000	0.00000	0.00000	0.03052
SOUTH	0.00273	0.02508	0.02895	0.01782	0.00143	0.00000	0.00000	0.00000	0.07602
SOUTH-SOUTHWEST	0.00269	0.02987	0.04157	0.04865	0.00925	0.00089	0.00000	0.00000	0.13291
SOUTHWEST	0.00258	0.02186	0.04377	0.05762	0.01762	0.00277	0.00023	0.00000	0.14645
WEST-SOUTHWEST	0.00199	0.01495	0.02515	0.03072	0.01024	0.00248	0.00009	0.00000	0.08562
WEST	0.00205	0.01650	0.01598	0.01492	0.00436	0.00099	0.00000	0.00000	0.05481
WEST-NORTHWEST	0.00270	0.02400	0.01880	0.01352	0.00326	0.00058	0.00000	0.00000	0.06286
NORTHWEST	0.00485	0.03379	0.02899	0.02065	0.00219	0.00016	0.00000	0.00000	0.09063
NORTH-NORTHWEST	0.00572	0.03415	0.02349	0.01121	0.00101	0.00019	0.00000	0.00000	0.07577
TOTAL:	0.07198	0.34432	0.29206	0.23195	0.05099	0.00837	0.00032	0.00000	1.00000

TABLE 5.4. Continued

STATION: 23 100 - F AREA

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 8488.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00439	0.01932	0.00423	0.00060	0.00007	0.00000	0.00000	0.00000	0.02861
NORTH-NORTHEAST	0.00479	0.01454	0.00608	0.00212	0.00138	0.00010	0.00000	0.00000	0.02901
NORTHEAST	0.00498	0.01206	0.00479	0.00149	0.00068	0.00001	0.00000	0.00000	0.02400
EAST-NORTHEAST	0.00415	0.01456	0.00560	0.00019	0.00010	0.00000	0.00000	0.00000	0.02461
EAST	0.00377	0.02037	0.00708	0.00038	0.00012	0.00000	0.00000	0.00000	0.03172
EAST-SOUTHEAST	0.00454	0.02514	0.01144	0.00087	0.00000	0.00000	0.00000	0.00000	0.04199
SOUTHEAST	0.00685	0.03882	0.02302	0.00381	0.00015	0.00000	0.00000	0.00000	0.07265
SOUTH-SOUTHEAST	0.00838	0.04291	0.01558	0.00090	0.00025	0.00000	0.00000	0.00000	0.06802
SOUTH	0.00761	0.02283	0.00459	0.00046	0.00007	0.00000	0.00000	0.00000	0.03556
SOUTH-SOUTHWEST	0.00869	0.01702	0.00406	0.00063	0.00010	0.00000	0.00000	0.00000	0.03051
SOUTHWEST	0.00788	0.01691	0.00953	0.00616	0.00174	0.00024	0.00000	0.00000	0.04244
WEST-SOUTHWEST	0.00850	0.02082	0.01850	0.01208	0.00339	0.00044	0.00000	0.00000	0.06372
WEST	0.00819	0.03325	0.03661	0.02440	0.00560	0.00085	0.00000	0.00000	0.10890
WEST-NORTHWEST	0.01024	0.05266	0.03864	0.06866	0.02894	0.00583	0.00012	0.00000	0.23508
NORTHWEST	0.00714	0.04037	0.03586	0.02708	0.01230	0.00348	0.00012	0.00000	0.12634
NORTH-NORTHWEST	0.00548	0.02347	0.00617	0.00097	0.00072	0.00000	0.00000	0.00000	0.03682
TOTAL:	0.10556	0.41506	0.26178	0.15080	0.05561	0.01096	0.00024	0.00000	1.00000

STATION: 24 GABLE WEST

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 8490.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00763	0.02235	0.01281	0.00084	0.00019	0.00000	0.00000	0.00000	0.04382
NORTH-NORTHEAST	0.00702	0.01702	0.00916	0.00218	0.00127	0.00000	0.00000	0.00000	0.03665
NORTHEAST	0.00537	0.01848	0.00546	0.00110	0.00056	0.00012	0.00000	0.00000	0.03110
EAST-NORTHEAST	0.00624	0.02332	0.00898	0.00080	0.00010	0.00000	0.00000	0.00000	0.03944
EAST	0.00848	0.02499	0.01173	0.00041	0.00012	0.00000	0.00000	0.00000	0.04573
EAST-SOUTHEAST	0.00903	0.03062	0.02102	0.00255	0.00000	0.00000	0.00000	0.00000	0.06322
SOUTHEAST	0.01009	0.05702	0.04841	0.00509	0.00024	0.00000	0.00000	0.00000	0.12085
SOUTH-SOUTHEAST	0.01150	0.04697	0.02697	0.00253	0.00013	0.00000	0.00000	0.00000	0.08810
SOUTH	0.00947	0.01537	0.00504	0.00183	0.00041	0.00000	0.00000	0.00000	0.03211
SOUTH-SOUTHWEST	0.00908	0.01188	0.00405	0.00091	0.00004	0.00000	0.00000	0.00000	0.02597
SOUTHWEST	0.00630	0.01463	0.00898	0.00564	0.00191	0.00004	0.00000	0.00000	0.03751
WEST-SOUTHWEST	0.01126	0.02150	0.01823	0.00941	0.00274	0.00043	0.00000	0.00000	0.06356
WEST	0.01107	0.03579	0.04717	0.02110	0.00362	0.00059	0.00000	0.00000	0.11935
WEST-NORTHWEST	0.01162	0.04265	0.03452	0.03862	0.01268	0.00219	0.00000	0.00000	0.14728
NORTHWEST	0.01231	0.03244	0.00997	0.00448	0.00213	0.00004	0.00000	0.00000	0.06137
NORTH-NORTHWEST	0.00970	0.02384	0.01013	0.00028	0.00000	0.00000	0.00000	0.00000	0.04395
TOTAL:	0.14617	0.43887	0.28763	0.09776	0.02615	0.00342	0.00000	0.00000	1.00000

TABLE 5.4. Continued

STATION: 25 VERNITA BRIDGE

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 2/ 8/88 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 4279.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00964	0.01893	0.00348	0.00076	0.00061	0.00000	0.00000	0.00000	0.03342
NORTH-NORTHEAST	0.00573	0.03774	0.00909	0.00342	0.00146	0.00020	0.00000	0.00000	0.05764
NORTHEAST	0.00587	0.03152	0.01437	0.00091	0.00026	0.00003	0.00000	0.00000	0.05296
EAST-NORTHEAST	0.00590	0.02518	0.00897	0.00020	0.00009	0.00000	0.00000	0.00000	0.04034
EAST	0.00485	0.01852	0.00447	0.00023	0.00015	0.00000	0.00000	0.00000	0.02822
EAST-SOUTHEAST	0.00418	0.01095	0.00494	0.00000	0.00000	0.00000	0.00000	0.00000	0.02007
SOUTHEAST	0.00210	0.00584	0.00202	0.00026	0.00000	0.00000	0.00000	0.00000	0.01022
SOUTH-SOUTHEAST	0.00234	0.00175	0.00064	0.00029	0.00000	0.00000	0.00000	0.00000	0.00502
SOUTH	0.00251	0.00301	0.00076	0.00015	0.00000	0.00000	0.00000	0.00000	0.00643
SOUTH-SOUTHWEST	0.00342	0.00286	0.00409	0.00126	0.00020	0.00000	0.00000	0.00000	0.01183
SOUTHWEST	0.00365	0.00628	0.00868	0.00695	0.00184	0.00000	0.00000	0.00000	0.02740
WEST-SOUTHWEST	0.00605	0.02574	0.02366	0.00862	0.00213	0.00000	0.00000	0.00000	0.06620
WEST	0.00646	0.05194	0.07478	0.03505	0.00862	0.00015	0.00000	0.00000	0.17700
WEST-NORTHWEST	0.00999	0.03786	0.08042	0.11513	0.03964	0.00429	0.00020	0.00000	0.28754
NORTHWEST	0.00666	0.02273	0.03824	0.04683	0.01814	0.00210	0.00003	0.00000	0.13473
NORTH-NORTHWEST	0.00760	0.01954	0.01166	0.00219	0.00000	0.00000	0.00000	0.00000	0.04099
TOTAL:	0.08694	0.32040	0.29025	0.22225	0.07315	0.00678	0.00023	0.00000	1.00000

TABLE 5.5. Frequency Distribution of Wind Direction and Wind Speed at Monitoring Sites--Fall Season

STATION: 1 PROSSER BARRICADE

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16246.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01703	0.03909	0.02430	0.00866	0.00036	0.00019	0.00000	0.00000	0.08963
NORTH-NORTHEAST	0.01306	0.02618	0.01303	0.00358	0.00046	0.00011	0.00000	0.00000	0.05642
NORTHEAST	0.00987	0.01468	0.00205	0.00145	0.00072	0.00000	0.00000	0.00000	0.02877
EAST-NORTHEAST	0.00786	0.00826	0.00049	0.00049	0.00022	0.00000	0.00000	0.00000	0.01733
EAST	0.00819	0.00841	0.00115	0.00016	0.00000	0.00000	0.00000	0.00000	0.01791
EAST-SOUTHEAST	0.00896	0.01253	0.00187	0.00018	0.00000	0.00000	0.00000	0.00000	0.02354
SOUTHEAST	0.01044	0.02067	0.00467	0.00008	0.00001	0.00000	0.00000	0.00000	0.03588
SOUTH-SOUTHEAST	0.01562	0.04217	0.01326	0.00048	0.00005	0.00000	0.00000	0.00000	0.07159
SOUTH	0.01824	0.05201	0.02681	0.00460	0.00018	0.00004	0.00000	0.00000	0.10189
SOUTH-SOUTHWEST	0.01938	0.04093	0.04486	0.02835	0.00592	0.00130	0.00011	0.00000	0.14086
SOUTHWEST	0.01461	0.02277	0.02144	0.02224	0.01083	0.00528	0.00082	0.00006	0.09805
WEST-SOUTHWEST	0.00966	0.01033	0.00781	0.00949	0.00409	0.00116	0.00002	0.00000	0.04257
WEST	0.00894	0.00854	0.00377	0.00252	0.00066	0.00004	0.00004	0.00006	0.02458
WEST-NORTHWEST	0.01076	0.01002	0.00445	0.00203	0.00034	0.00000	0.00000	0.00000	0.02760
NORTHWEST	0.01600	0.02884	0.02341	0.01391	0.00215	0.00063	0.00006	0.00000	0.08499
NORTH-NORTHWEST	0.01881	0.05507	0.04884	0.01393	0.00159	0.00018	0.00000	0.00000	0.13841
TOTAL:	0.20744	0.40053	0.24221	0.11215	0.02758	0.00893	0.00105	0.00012	1.00000

STATION: 2 EMERGENCY OPERATIONS CENTER

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16856.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00631	0.03138	0.02368	0.00851	0.00078	0.00059	0.00021	0.00000	0.07144
NORTH-NORTHEAST	0.00669	0.02388	0.00758	0.00387	0.00042	0.00000	0.00004	0.00000	0.04248
NORTHEAST	0.00679	0.01669	0.00144	0.00119	0.00013	0.00000	0.00000	0.00000	0.02622
EAST-NORTHEAST	0.00509	0.01239	0.00039	0.00005	0.00000	0.00000	0.00000	0.00000	0.01793
EAST	0.00559	0.01139	0.00059	0.00000	0.00000	0.00000	0.00000	0.00000	0.01758
EAST-SOUTHEAST	0.00461	0.01254	0.00149	0.00000	0.00000	0.00000	0.00000	0.00000	0.01864
SOUTHEAST	0.00473	0.01208	0.00329	0.00007	0.00000	0.00000	0.00000	0.00000	0.02017
SOUTH-SOUTHEAST	0.00555	0.01273	0.00439	0.00016	0.00002	0.00000	0.00000	0.00000	0.02285
SOUTH	0.00719	0.01787	0.00953	0.00099	0.00022	0.00000	0.00000	0.00000	0.03580
SOUTH-SOUTHWEST	0.00849	0.01654	0.02031	0.00864	0.00220	0.00058	0.00016	0.00000	0.05692
SOUTHWEST	0.00890	0.01213	0.02267	0.02664	0.02274	0.01664	0.00428	0.00006	0.11405
WEST-SOUTHWEST	0.00921	0.01329	0.01621	0.02607	0.02617	0.01512	0.00125	0.00000	0.10732
WEST	0.01161	0.02167	0.01229	0.01194	0.00642	0.00314	0.00046	0.00004	0.06756
WEST-NORTHWEST	0.01291	0.04102	0.03804	0.00684	0.00185	0.00035	0.00002	0.00002	0.10107
NORTHWEST	0.01127	0.03789	0.06339	0.03628	0.00647	0.00074	0.00030	0.00000	0.15634
NORTH-NORTHWEST	0.00804	0.03369	0.04321	0.03227	0.00580	0.00051	0.00010	0.00000	0.12362
TOTAL:	0.12298	0.32718	0.26851	0.16350	0.07321	0.03767	0.00682	0.00012	1.00000

DE

(a)

TABLE 5.5. Continued

STATION: 3 ARMY LOOP ROAD

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16630.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 16	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01270	0.02863	0.01063	0.00258	0.00029	0.00027	0.00000	0.00000	0.05510
NORTH-NORTHEAST	0.01491	0.02256	0.00776	0.00163	0.00024	0.00007	0.00000	0.00000	0.04718
NORTHEAST	0.01726	0.02435	0.00334	0.00156	0.00058	0.00002	0.00000	0.00000	0.04711
EAST-NORTHEAST	0.01822	0.03326	0.00250	0.00032	0.00035	0.00011	0.00000	0.00000	0.05477
EAST	0.01751	0.03997	0.00571	0.00048	0.00010	0.00000	0.00000	0.00000	0.06377
EAST-SOUTHEAST	0.01602	0.03761	0.01095	0.00147	0.00011	0.00000	0.00000	0.00000	0.06615
SOUTHEAST	0.00982	0.02432	0.01218	0.00344	0.00002	0.00000	0.00000	0.00000	0.04978
SOUTH-SOUTHEAST	0.00711	0.01043	0.00522	0.00238	0.00024	0.00000	0.00000	0.00000	0.02538
SOUTH	0.00545	0.00665	0.00379	0.00145	0.00021	0.00004	0.00000	0.00000	0.01759
SOUTH-SOUTHWEST	0.00458	0.00530	0.00413	0.00235	0.00218	0.00177	0.00065	0.00005	0.02099
SOUTHWEST	0.00522	0.00637	0.00548	0.00619	0.00626	0.00706	0.00069	0.00001	0.03728
WEST-SOUTHWEST	0.00790	0.00903	0.00908	0.01261	0.00555	0.00153	0.00013	0.00000	0.04583
WEST	0.01229	0.02343	0.01645	0.00925	0.00285	0.00029	0.00010	0.00000	0.06465
WEST-NORTHWEST	0.01587	0.07595	0.05128	0.00791	0.00127	0.00009	0.00000	0.00000	0.15238
NORTHWEST	0.01581	0.08436	0.04746	0.01169	0.00351	0.00032	0.00000	0.00000	0.16314
NORTH-NORTHWEST	0.01422	0.04966	0.02014	0.00368	0.00101	0.00019	0.00000	0.00000	0.08890
TOTAL:	0.19489	0.48190	0.21612	0.06897	0.02477	0.01173	0.00156	0.00006	1.00000

STATION: 4 RATTLESNAKE SPRINGS

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16741.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00990	0.03044	0.00604	0.00061	0.00000	0.00000	0.00000	0.00000	0.04700
NORTH-NORTHEAST	0.01220	0.02766	0.00663	0.00063	0.00005	0.00000	0.00000	0.00000	0.04717
NORTHEAST	0.01432	0.01930	0.00264	0.00140	0.00019	0.00000	0.00000	0.00000	0.03784
EAST-NORTHEAST	0.01405	0.01402	0.00092	0.00021	0.00000	0.00006	0.00000	0.00000	0.02926
EAST	0.01144	0.02391	0.00092	0.00000	0.00000	0.00000	0.00000	0.00000	0.03627
EAST-SOUTHEAST	0.01139	0.02679	0.00239	0.00000	0.00000	0.00000	0.00000	0.00000	0.04057
SOUTHEAST	0.00823	0.01026	0.00057	0.00000	0.00000	0.00000	0.00000	0.00000	0.01906
SOUTH-SOUTHEAST	0.00493	0.00423	0.00060	0.00002	0.00000	0.00000	0.00000	0.00000	0.00979
SOUTH	0.00572	0.00487	0.00305	0.00102	0.00015	0.00000	0.00000	0.00000	0.01481
SOUTH-SOUTHWEST	0.00716	0.00768	0.00732	0.00566	0.00490	0.00253	0.00010	0.00000	0.03535
SOUTHWEST	0.01053	0.02583	0.01767	0.01430	0.00818	0.00104	0.00001	0.00000	0.07756
WEST-SOUTHWEST	0.01469	0.10172	0.18493	0.03762	0.00307	0.00052	0.00000	0.00000	0.34254
WEST	0.00980	0.04062	0.04700	0.01800	0.00171	0.00013	0.00000	0.00000	0.11727
WEST-NORTHWEST	0.09699	0.01584	0.01872	0.00849	0.00062	0.00002	0.00000	0.00000	0.05068
NORTHWEST	0.00594	0.01868	0.01372	0.00431	0.00036	0.00000	0.00000	0.00000	0.04300
NORTH-NORTHWEST	0.00779	0.02657	0.01446	0.00246	0.00055	0.00000	0.00000	0.00000	0.05184
TOTAL:	0.15507	0.39842	0.32758	0.09474	0.01977	0.00430	0.00012	0.00000	1.00000

TABLE 5.5. Continued

STATION: 5 EDNA RAILROAD CROSSING

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16669.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00850	0.02640	0.01496	0.00387	0.00041	0.00007	0.00000	0.00000	0.05422
NORTH-NORTHEAST	0.00528	0.01112	0.01093	0.00331	0.00038	0.00027	0.00000	0.00000	0.03129
NORTHEAST	0.00472	0.00799	0.00463	0.00230	0.00049	0.00003	0.00003	0.00000	0.02019
EAST-NORTHEAST	0.00551	0.00677	0.00100	0.00162	0.00061	0.00046	0.00027	0.00000	0.01625
EAST	0.00643	0.01259	0.00274	0.00034	0.00011	0.00000	0.00000	0.00000	0.02223
EAST-SOUTHEAST	0.01228	0.03935	0.01536	0.00032	0.00005	0.00000	0.00000	0.00000	0.06736
SOUTHEAST	0.01964	0.08927	0.02251	0.00189	0.00020	0.00000	0.00000	0.00000	0.13351
SOUTH-SOUTHEAST	0.02895	0.07125	0.01797	0.00352	0.00025	0.00000	0.00000	0.00000	0.12193
SOUTH	0.02746	0.03675	0.01100	0.00409	0.00073	0.00007	0.00000	0.00000	0.08010
SOUTH-SOUTHWEST	0.02012	0.01399	0.00576	0.00377	0.00146	0.00088	0.00000	0.00000	0.04598
SOUTHWEST	0.01549	0.00884	0.00583	0.00494	0.00272	0.00034	0.00000	0.00000	0.03816
WEST-SOUTHWEST	0.01110	0.00592	0.00868	0.00552	0.00278	0.00035	0.00000	0.00000	0.03435
WEST	0.01392	0.01013	0.00850	0.00585	0.00091	0.00004	0.00004	0.00000	0.03938
WEST-NORTHWEST	0.02362	0.02898	0.01196	0.00952	0.00339	0.00022	0.00002	0.00000	0.07771
NORTHWEST	0.02398	0.06379	0.02025	0.00760	0.00178	0.00021	0.00000	0.00000	0.11761
NORTH-NORTHWEST	0.01526	0.05771	0.02281	0.00320	0.00063	0.00011	0.00000	0.00000	0.09973
TOTAL:	0.24225	0.49085	0.18489	0.06167	0.01692	0.00306	0.00036	0.00000	1.00000

STATION: 6 200 EAST AREA

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16611.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01023	0.02366	0.00894	0.00345	0.00027	0.00010	0.00000	0.00000	0.04665
NORTH-NORTHEAST	0.00920	0.02242	0.00924	0.00322	0.00058	0.00038	0.00000	0.00000	0.04504
NORTHEAST	0.00965	0.01651	0.00309	0.00170	0.00050	0.00008	0.00001	0.00000	0.03155
EAST-NORTHEAST	0.01335	0.01555	0.00080	0.00027	0.00032	0.00017	0.00005	0.00000	0.03050
EAST	0.01236	0.02056	0.00205	0.00016	0.00015	0.00000	0.00000	0.00000	0.03527
EAST-SOUTHEAST	0.01120	0.03240	0.00487	0.00013	0.00011	0.00000	0.00000	0.00000	0.04872
SOUTHEAST	0.00930	0.04059	0.01254	0.00099	0.00002	0.00000	0.00000	0.00000	0.06345
SOUTH-SOUTHEAST	0.00871	0.03088	0.01525	0.00253	0.00046	0.00000	0.00000	0.00000	0.05782
SOUTH	0.00744	0.01911	0.00778	0.00233	0.00053	0.00000	0.00000	0.00000	0.03719
SOUTH-SOUTHWEST	0.00495	0.01425	0.00537	0.00428	0.00134	0.00102	0.00000	0.00000	0.03121
SOUTHWEST	0.00781	0.01665	0.00776	0.00818	0.00667	0.00197	0.00018	0.00000	0.04922
WEST-SOUTHWEST	0.00686	0.02505	0.02255	0.01221	0.00677	0.00181	0.00000	0.00000	0.07524
WEST	0.00812	0.04421	0.04600	0.00929	0.00095	0.00008	0.00000	0.00000	0.10864
WEST-NORTHWEST	0.01091	0.06471	0.07828	0.02021	0.00565	0.00022	0.00000	0.00000	0.17999
NORTHWEST	0.00986	0.04913	0.03044	0.01039	0.00444	0.00056	0.00018	0.00000	0.10501
NORTH-NORTHWEST	0.01206	0.03125	0.00878	0.00200	0.00043	0.00000	0.00000	0.00000	0.05452
TOTAL:	0.15201	0.46692	0.26374	0.08133	0.02920	0.00638	0.00042	0.00000	1.00000

TABLE 5.5. Continued

STATION: 7 200 WEST AREA

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 13255.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01608	0.03698	0.01174	0.00121	0.00000	0.00000	0.00000	0.00000	0.06600
NORTH-NORTHEAST	0.01620	0.01971	0.00688	0.00176	0.00000	0.00000	0.00000	0.00000	0.04456
NORTHEAST	0.01190	0.00912	0.00078	0.00134	0.00038	0.00000	0.00000	0.00000	0.02352
EAST-NORTHEAST	0.01179	0.00854	0.00017	0.00020	0.00000	0.00000	0.00000	0.00000	0.02070
EAST	0.01270	0.01070	0.00089	0.00000	0.00000	0.00000	0.00000	0.00000	0.02429
EAST-SOUTHEAST	0.01429	0.01870	0.00370	0.00023	0.00000	0.00000	0.00000	0.00000	0.03691
SOUTHEAST	0.01580	0.02249	0.00345	0.00009	0.00000	0.00000	0.00000	0.00000	0.04183
SOUTH-SOUTHEAST	0.01584	0.01454	0.00279	0.00062	0.00000	0.00000	0.00000	0.00000	0.03380
SOUTH	0.01317	0.00780	0.00327	0.00136	0.00009	0.00000	0.00000	0.00000	0.02570
SOUTH-SOUTHWEST	0.01405	0.00870	0.00603	0.00374	0.00210	0.00071	0.00000	0.00000	0.03534
SOUTHWEST	0.01580	0.01343	0.00839	0.00906	0.00551	0.00076	0.00000	0.00000	0.05295
WEST-SOUTHWEST	0.02260	0.02337	0.01636	0.01565	0.00285	0.00029	0.00000	0.00000	0.08111
WEST	0.02961	0.05179	0.02181	0.00631	0.00060	0.00020	0.00000	0.00000	0.11033
WEST-NORTHWEST	0.03518	0.09121	0.03161	0.00603	0.00069	0.00000	0.00000	0.00000	0.16472
NORTHWEST	0.02558	0.06005	0.03536	0.01455	0.00523	0.00024	0.00000	0.00000	0.14102
NORTH-NORTHWEST	0.02016	0.04594	0.02624	0.00402	0.00080	0.00007	0.00000	0.00000	0.09722
TOTAL:	0.29076	0.44308	0.17948	0.06616	0.01826	0.00226	0.00000	0.00000	1.00000

STATION: 8 WAHLUKE

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16328.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01755	0.02169	0.00744	0.00367	0.00090	0.00044	0.00006	0.00000	0.05176
NORTH-NORTHEAST	0.02055	0.02763	0.01304	0.00391	0.00070	0.00005	0.00000	0.00000	0.06588
NORTHEAST	0.02173	0.03767	0.00701	0.00193	0.00027	0.00025	0.00006	0.00000	0.06892
EAST-NORTHEAST	0.02924	0.04962	0.00845	0.00054	0.00028	0.00000	0.00000	0.00000	0.08812
EAST	0.03507	0.07329	0.01340	0.00057	0.00008	0.00000	0.00000	0.00000	0.12241
EAST-SOUTHEAST	0.02644	0.02591	0.00253	0.00028	0.00000	0.00000	0.00000	0.00000	0.05516
SOUTHEAST	0.01768	0.01028	0.00071	0.00013	0.00006	0.00000	0.00000	0.00000	0.02886
SOUTH-SOUTHEAST	0.01316	0.00564	0.00116	0.00018	0.00000	0.00000	0.00000	0.00000	0.02015
SOUTH	0.01307	0.00713	0.00254	0.00053	0.00021	0.00000	0.00000	0.00000	0.02349
SOUTH-SOUTHWEST	0.01258	0.00877	0.00265	0.00177	0.00128	0.00011	0.00000	0.00000	0.02715
SOUTHWEST	0.01268	0.00939	0.00361	0.00507	0.00267	0.00052	0.00000	0.00000	0.03394
WEST-SOUTHWEST	0.01487	0.01638	0.00746	0.00349	0.00113	0.00011	0.00000	0.00000	0.04344
WEST	0.01890	0.03727	0.01984	0.00916	0.00165	0.00027	0.00000	0.00000	0.08708
WEST-NORTHWEST	0.01914	0.04720	0.03411	0.02662	0.01131	0.00377	0.00018	0.00000	0.14235
NORTHWEST	0.02006	0.03650	0.01600	0.01096	0.00445	0.00116	0.00000	0.00000	0.08913
NORTH-NORTHWEST	0.01933	0.02503	0.00525	0.00195	0.00048	0.00011	0.00000	0.00000	0.05216
TOTAL:	0.31204	0.43943	0.14521	0.07074	0.02548	0.00680	0.00031	0.00000	1.00000

TABLE 5.5. Continued

STATION 9 FAST FLUX TEST FACILITY

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16718.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00636	0.03152	0.02109	0.00565	0.00017	0.00026	0.00000	0.00000	0.06504
NORTH-NORTHEAST	0.00653	0.03290	0.01874	0.00603	0.00091	0.00021	0.00000	0.00000	0.06533
NORTHEAST	0.00564	0.02440	0.00707	0.00222	0.00088	0.00022	0.00000	0.00000	0.04042
EAST-NORTHEAST	0.00536	0.01371	0.00132	0.00082	0.00027	0.00026	0.00000	0.00000	0.02174
EAST	0.00541	0.01377	0.00128	0.00016	0.00011	0.00000	0.00000	0.00000	0.02073
EAST-SOUTHEAST	0.00619	0.01605	0.00280	0.00025	0.00002	0.00000	0.00000	0.00000	0.02531
SOUTHEAST	0.00583	0.02551	0.01173	0.00128	0.00000	0.00000	0.00000	0.00000	0.04435
SOUTH-SOUTHEAST	0.00571	0.03157	0.04601	0.00619	0.00006	0.00000	0.00000	0.00000	0.08954
SOUTH	0.00547	0.03538	0.04583	0.01427	0.00097	0.00004	0.00000	0.00000	0.10196
SOUTH-SOUTHWEST	0.00683	0.03409	0.04145	0.04230	0.00960	0.00322	0.00047	0.00016	0.13811
SOUTHWEST	0.00697	0.02038	0.01456	0.01742	0.01223	0.00550	0.00109	0.00002	0.07817
WEST-SOUTHWEST	0.00632	0.01292	0.00769	0.00698	0.00332	0.00055	0.00005	0.00000	0.03782
WEST	0.00517	0.01401	0.00927	0.00352	0.00122	0.00013	0.00000	0.00000	0.03332
WEST-NORTHWEST	0.00618	0.02415	0.02495	0.00699	0.00150	0.00002	0.00000	0.00000	0.06379
NORTHWEST	0.00684	0.03156	0.04827	0.01181	0.00291	0.00048	0.00000	0.00000	0.10187
NORTH-NORTHWEST	0.00711	0.03095	0.02686	0.00684	0.00058	0.00013	0.00000	0.00000	0.07247
TOTAL:	0.09792	0.39287	0.32893	0.13273	0.03475	0.01101	0.00162	0.00018	1.00000

STATION: 10 YAKIMA BARRICADE

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16805.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01213	0.04181	0.01549	0.00190	0.00030	0.00000	0.00000	0.00000	0.07165
NORTH-NORTHEAST	0.01157	0.03099	0.00849	0.00122	0.00045	0.00000	0.00000	0.00000	0.05271
NORTHEAST	0.00953	0.01877	0.00257	0.00142	0.00044	0.00000	0.00000	0.00000	0.03274
EAST-NORTHEAST	0.00907	0.01189	0.00074	0.00050	0.00016	0.00000	0.00000	0.00000	0.02236
EAST	0.00768	0.01087	0.00050	0.00000	0.00000	0.00000	0.00000	0.00000	0.01904
EAST-SOUTHEAST	0.00717	0.01722	0.00190	0.00000	0.00000	0.00000	0.00000	0.00000	0.02629
SOUTHEAST	0.00775	0.01964	0.00294	0.00018	0.00000	0.00000	0.00000	0.00000	0.03051
SOUTH-SOUTHEAST	0.00793	0.01921	0.00663	0.00028	0.00010	0.00000	0.00000	0.00000	0.03416
SOUTH	0.00794	0.01776	0.00439	0.00135	0.00044	0.00013	0.00000	0.00000	0.03200
SOUTH-SOUTHWEST	0.00683	0.02014	0.00765	0.00396	0.00234	0.00071	0.00016	0.00000	0.04180
SOUTHWEST	0.00852	0.02128	0.01810	0.01108	0.00632	0.00155	0.00001	0.00000	0.06693
WEST-SOUTHWEST	0.01316	0.03821	0.03069	0.01732	0.00398	0.00060	0.00006	0.00000	0.10402
WEST	0.01689	0.07629	0.03361	0.00559	0.00071	0.00004	0.00000	0.00000	0.13314
WEST-NORTHWEST	0.01471	0.04851	0.01988	0.00806	0.00162	0.00000	0.00000	0.00000	0.09278
NORTHWEST	0.01111	0.03985	0.04759	0.02903	0.00838	0.00068	0.00000	0.00000	0.13694
NORTH-NORTHWEST	0.01084	0.04023	0.03836	0.01195	0.00141	0.00016	0.00000	0.00000	0.10294
TOTAL:	0.16281	0.47266	0.23993	0.09384	0.02666	0.00387	0.00024	0.00000	1.00000

TABLE 5.5. Continued

STATION: 11 300 AREA

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 14322.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00648	0.03649	0.03888	0.00795	0.00026	0.00033	0.00004	0.00000	0.09044
NORTH-NORTHEAST	0.00401	0.01917	0.02164	0.00627	0.00078	0.00024	0.00003	0.00000	0.05213
NORTHEAST	0.00293	0.01272	0.00866	0.00223	0.00077	0.00000	0.00000	0.00000	0.02730
EAST-NORTHEAST	0.00425	0.01135	0.00169	0.00083	0.00019	0.00021	0.00000	0.00000	0.01852
EAST	0.00476	0.01592	0.00304	0.00029	0.00014	0.00000	0.00000	0.00000	0.02417
EAST-SOUTHEAST	0.00750	0.03139	0.01788	0.00036	0.00000	0.00000	0.00000	0.00000	0.05723
SOUTHEAST	0.00833	0.06110	0.02608	0.00132	0.00000	0.00000	0.00000	0.00000	0.09683
SOUTH-SOUTHEAST	0.00974	0.04799	0.01059	0.00124	0.00010	0.00000	0.00000	0.00000	0.06965
SOUTH	0.01135	0.03562	0.01698	0.00348	0.00026	0.00011	0.00000	0.00000	0.06782
SOUTH-SOUTHWEST	0.01183	0.02528	0.03122	0.01487	0.00405	0.00158	0.00006	0.00000	0.08889
SOUTHWEST	0.01420	0.02126	0.03207	0.02909	0.01143	0.00733	0.00134	0.00021	0.11694
WEST-SOUTHWEST	0.01168	0.01494	0.01471	0.01380	0.00435	0.00071	0.00009	0.00000	0.06027
WEST	0.01220	0.01376	0.00569	0.00239	0.00083	0.00004	0.00004	0.00000	0.03496
WEST-NORTHWEST	0.01098	0.01657	0.00409	0.00132	0.00019	0.00000	0.00000	0.00000	0.03315
NORTHWEST	0.01177	0.02795	0.01029	0.00703	0.00161	0.00058	0.00014	0.00000	0.05938
NORTH-NORTHWEST	0.00975	0.04615	0.03536	0.00892	0.00192	0.00024	0.00000	0.00000	0.10233
TOTAL:	0.14188	0.43765	0.27887	0.10138	0.02688	0.01138	0.00175	0.00021	1.00000

STATION: 12 WYE BARRICADE

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16663.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00514	0.02378	0.01368	0.00361	0.00031	0.00026	0.00000	0.00000	0.04677
NORTH-NORTHEAST	0.00627	0.02022	0.00803	0.00370	0.00034	0.00014	0.00000	0.00000	0.03871
NORTHEAST	0.00605	0.01668	0.00299	0.00109	0.00026	0.00006	0.00000	0.00000	0.02713
EAST-NORTHEAST	0.00587	0.01536	0.00147	0.00046	0.00023	0.00024	0.00000	0.00000	0.02362
EAST	0.00643	0.02417	0.00458	0.00014	0.00008	0.00000	0.00000	0.00000	0.03539
EAST-SOUTHEAST	0.00866	0.02295	0.00337	0.00008	0.00000	0.00000	0.00000	0.00000	0.03506
SOUTHEAST	0.00727	0.02284	0.00624	0.00042	0.00000	0.00000	0.00000	0.00000	0.03677
SOUTH-SOUTHEAST	0.00745	0.02767	0.01810	0.00363	0.00023	0.00000	0.00000	0.00000	0.05707
SOUTH	0.00686	0.03386	0.03286	0.01238	0.00112	0.00011	0.00000	0.00000	0.08720
SOUTH-SOUTHWEST	0.00688	0.03174	0.04006	0.02198	0.00790	0.00132	0.00047	0.00000	0.11035
SOUTHWEST	0.00821	0.03261	0.02849	0.01422	0.01188	0.00382	0.00080	0.00018	0.10021
WEST-SOUTHWEST	0.00694	0.03043	0.02052	0.00899	0.00560	0.00088	0.00011	0.00000	0.07346
WEST	0.00509	0.03106	0.03007	0.01048	0.00155	0.00029	0.00000	0.00004	0.07856
WEST-NORTHWEST	0.00533	0.03134	0.05132	0.02025	0.00357	0.00018	0.00000	0.00002	0.11201
NORTHWEST	0.00521	0.03007	0.03523	0.00911	0.00344	0.00085	0.00000	0.00000	0.08391
NORTH-NORTHWEST	0.00473	0.02382	0.02010	0.00428	0.00085	0.00002	0.00000	0.00000	0.05380
TOTAL:	0.10238	0.41859	0.31711	0.11481	0.03733	0.00816	0.00138	0.00024	1.00000

TABLE 5.5. Continued

STATION: 13 100 - N AREA

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TCTAL NUMBER OF HOURS OF ANALYZED DATA: 16766.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01386	0.01929	0.00775	0.00287	0.00076	0.00004	0.00000	0.00000	0.04457
NORTH-NORTHEAST	0.01162	0.01740	0.01013	0.00618	0.00168	0.00045	0.00005	0.00000	0.04751
NORTHEAST	0.00998	0.02102	0.00605	0.00368	0.00104	0.00037	0.00001	0.00000	0.04215
EAST-NORTHEAST	0.01332	0.02877	0.00342	0.00036	0.00051	0.00032	0.00000	0.00000	0.04670
EAST	0.01866	0.04060	0.00561	0.00034	0.00004	0.00000	0.00000	0.00000	0.06525
EAST-SOUTHEAST	0.02076	0.04450	0.00690	0.00072	0.00000	0.00000	0.00000	0.00000	0.07288
SOUTHEAST	0.01705	0.03335	0.01156	0.00149	0.00001	0.00000	0.00000	0.00000	0.06345
SOUTH-SOUTHEAST	0.01469	0.01785	0.00658	0.00154	0.00013	0.00000	0.00000	0.00000	0.04080
SOUTH	0.01304	0.01479	0.00377	0.00131	0.00022	0.00042	0.00000	0.00000	0.03356
SOUTH-SOUTHWEST	0.01414	0.01458	0.00612	0.00290	0.00166	0.00063	0.00016	0.00000	0.04019
SOUTHWEST	0.01656	0.02689	0.01203	0.00742	0.00387	0.00071	0.00007	0.00000	0.06755
WEST-SOUTHWEST	0.02181	0.04879	0.02117	0.00691	0.00165	0.00030	0.00000	0.00000	0.10062
WEST	0.02082	0.05153	0.02432	0.00868	0.00198	0.00025	0.00000	0.00000	0.10758
WEST-NORTHWEST	0.02357	0.04167	0.01970	0.01176	0.00524	0.00127	0.00000	0.00000	0.10321
NORTHWEST	0.02349	0.03123	0.00789	0.00420	0.00314	0.00043	0.00000	0.00000	0.07038
NORTH-NORTHWEST	0.02130	0.02358	0.00673	0.00119	0.00042	0.00032	0.00006	0.00000	0.05360
TOTAL:	0.27466	0.47584	0.15973	0.06155	0.02237	0.00549	0.00036	0.00000	1.00000

STATION: 14 WNP - 2 FACILITY

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16664.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01711	0.04441	0.01596	0.00429	0.00010	0.00016	0.00000	0.00000	0.08203
NORTH-NORTHEAST	0.01638	0.03292	0.00878	0.00250	0.00047	0.00026	0.00000	0.00000	0.06130
NORTHEAST	0.01499	0.02373	0.00318	0.00113	0.00032	0.00000	0.00000	0.00000	0.04335
EAST-NORTHEAST	0.01400	0.01329	0.00198	0.00035	0.00047	0.00000	0.00000	0.00000	0.03009
EAST	0.01085	0.00558	0.00037	0.00010	0.00008	0.00000	0.00000	0.00000	0.01698
EAST-SOUTHEAST	0.00931	0.00876	0.00080	0.00006	0.00000	0.00000	0.00000	0.00000	0.01893
SOUTHEAST	0.01287	0.01680	0.00428	0.00046	0.00000	0.00000	0.00000	0.00000	0.03440
SOUTH-SOUTHEAST	0.01436	0.04217	0.02071	0.00187	0.00007	0.00000	0.00000	0.00000	0.07918
SOUTH	0.01547	0.05423	0.03733	0.00769	0.00071	0.00000	0.00000	0.00000	0.11543
SOUTH-SOUTHWEST	0.01716	0.03780	0.02835	0.01967	0.00514	0.00101	0.00047	0.00000	0.10959
SOUTHWEST	0.01612	0.02025	0.01492	0.01437	0.00947	0.00262	0.00043	0.00000	0.07818
WEST-SOUTHWEST	0.01361	0.01400	0.00665	0.00486	0.00199	0.00064	0.00000	0.00000	0.04174
WEST	0.01445	0.01467	0.00787	0.00241	0.00073	0.00004	0.00006	0.00000	0.04023
WEST-NORTHWEST	0.01598	0.02333	0.01681	0.00629	0.00070	0.00002	0.00000	0.00000	0.06312
NORTHWEST	0.02111	0.04197	0.01944	0.00672	0.00271	0.00012	0.00000	0.00000	0.09206
NORTH-NORTHWEST	0.02118	0.05094	0.01664	0.00429	0.00035	0.00000	0.00000	0.00000	0.09340
TOTAL:	0.24496	0.44485	0.20403	0.07705	0.02328	0.00486	0.00096	0.00000	1.00000

TABLE 5.5. Continued

STATION: 15 FRANKLIN COUNTY

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16692.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00743	0.04648	0.03010	0.00343	0.00015	0.00004	0.00000	0.00000	0.08762
NORTH-NORTHEAST	0.00738	0.03436	0.01898	0.00278	0.00047	0.00026	0.00000	0.00000	0.06422
NORTHEAST	0.00628	0.02133	0.00747	0.00334	0.00049	0.00000	0.00000	0.00000	0.03890
EAST-NORTHEAST	0.00647	0.01373	0.00235	0.00123	0.00039	0.00036	0.00000	0.00000	0.02453
EAST	0.00557	0.01415	0.00344	0.00065	0.00017	0.00000	0.00000	0.00000	0.02398
EAST-SOUTHEAST	0.00665	0.02085	0.00783	0.00040	0.00000	0.00000	0.00000	0.00000	0.03573
SOUTHEAST	0.00737	0.04562	0.02217	0.00151	0.00001	0.00000	0.00000	0.00000	0.07667
SOUTH-SOUTHEAST	0.00637	0.04179	0.01847	0.00288	0.00013	0.00000	0.00000	0.00000	0.06965
SOUTH	0.00699	0.02722	0.02564	0.00485	0.00027	0.00000	0.00000	0.00000	0.06498
SOUTH-SOUTHWEST	0.00764	0.02464	0.04203	0.02962	0.00520	0.00118	0.00005	0.00000	0.11037
SOUTHWEST	0.00786	0.02426	0.03446	0.02966	0.01125	0.00374	0.00031	0.00000	0.11154
WEST-SOUTHWEST	0.00864	0.01544	0.00851	0.00854	0.00143	0.00005	0.00000	0.00000	0.04262
WEST	0.01090	0.01453	0.00443	0.00147	0.00035	0.00000	0.00004	0.00000	0.03171
WEST-NORTHWEST	0.01156	0.02195	0.00485	0.00126	0.00010	0.00000	0.00002	0.00000	0.03973
NORTHWEST	0.00999	0.04072	0.02051	0.00285	0.00079	0.00006	0.00000	0.00000	0.07492
NORTH-NORTHWEST	0.01081	0.05309	0.03568	0.00318	0.00007	0.00000	0.00000	0.00000	0.10282
TOTAL:	0.12791	0.46016	0.28690	0.09765	0.02127	0.00569	0.00042	0.00000	1.00000

STATION: 16 GABLE MOUNTAIN

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16638.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00554	0.02463	0.02480	0.01679	0.00530	0.00169	0.00039	0.00016	0.07931
NORTH-NORTHEAST	0.00543	0.02558	0.02645	0.02022	0.00879	0.00304	0.00055	0.00036	0.09042
NORTHEAST	0.00432	0.01701	0.00700	0.00540	0.00346	0.00146	0.00072	0.00048	0.03986
EAST-NORTHEAST	0.00533	0.00968	0.00142	0.00049	0.00018	0.00012	0.00028	0.00038	0.01788
EAST	0.00455	0.00932	0.00268	0.00031	0.00016	0.00000	0.00000	0.00000	0.01702
EAST-SOUTHEAST	0.00316	0.01123	0.00487	0.00029	0.00000	0.00000	0.00000	0.00000	0.01955
SOUTHEAST	0.00435	0.01404	0.00769	0.00227	0.00015	0.00000	0.00000	0.00000	0.02850
SOUTH-SOUTHEAST	0.00476	0.02275	0.01789	0.01137	0.00391	0.00039	0.00002	0.00000	0.06110
SOUTH	0.00532	0.03394	0.03033	0.01905	0.01084	0.00268	0.00043	0.00011	0.10270
SOUTH-SOUTHWEST	0.00695	0.02865	0.01910	0.01019	0.00565	0.00321	0.00163	0.00119	0.07656
SOUTHWEST	0.00524	0.02041	0.01564	0.01308	0.01108	0.00782	0.00424	0.00077	0.07827
WEST-SOUTHWEST	0.00533	0.01808	0.01814	0.01669	0.00970	0.00423	0.00116	0.00018	0.07351
WEST	0.00421	0.01693	0.02019	0.01528	0.00785	0.00174	0.00019	0.00004	0.06643
WEST-NORTHWEST	0.00370	0.01799	0.02519	0.02502	0.01904	0.00669	0.00100	0.00000	0.09863
NORTHWEST	0.00431	0.01901	0.03144	0.02207	0.00892	0.00308	0.00029	0.00001	0.08913
NORTH-NORTHWEST	0.00526	0.02359	0.02196	0.00829	0.00168	0.00027	0.00005	0.00005	0.06114
TOTAL:	0.07777	0.31284	0.27479	0.18680	0.09671	0.03642	0.01094	0.00373	1.00000

TABLE 5.5. Continued

STATION: 17 RINGOLD

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16444.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01897	0.02001	0.00422	0.00061	0.00000	0.00000	0.00000	0.00000	0.04380
NORTH-NORTHEAST	0.03303	0.03591	0.00645	0.00106	0.00017	0.00000	0.00000	0.00000	0.07662
NORTHEAST	0.05452	0.14999	0.00844	0.00203	0.00087	0.00000	0.00000	0.00000	0.21585
EAST-NORTHEAST	0.04109	0.04692	0.00301	0.00068	0.00005	0.00000	0.00000	0.00000	0.09177
EAST	0.01957	0.01352	0.00052	0.00004	0.00000	0.00000	0.00000	0.00000	0.03365
EAST-SOUTHEAST	0.01631	0.00725	0.00027	0.00000	0.00000	0.00000	0.00000	0.00000	0.02383
SOUTHEAST	0.01368	0.00823	0.00185	0.00007	0.00000	0.00000	0.00000	0.00000	0.02383
SOUTH-SOUTHEAST	0.01278	0.01203	0.00316	0.00026	0.00000	0.00000	0.00000	0.00000	0.02822
SOUTH	0.01461	0.01749	0.00775	0.00050	0.00000	0.00000	0.00000	0.00000	0.04036
SOUTH-SOUTHWEST	0.01593	0.03126	0.03734	0.00762	0.00055	0.00000	0.00000	0.00000	0.09269
SOUTHWEST	0.01827	0.02794	0.02876	0.01427	0.00289	0.00024	0.00000	0.00000	0.09237
WEST-SOUTHWEST	0.01878	0.03042	0.01105	0.00529	0.00081	0.00000	0.00000	0.00000	0.06634
WEST	0.01628	0.02541	0.01168	0.00237	0.00021	0.00000	0.00000	0.00000	0.05596
WEST-NORTHWEST	0.01227	0.01511	0.01544	0.00652	0.00158	0.00011	0.00000	0.00000	0.05104
NORTHWEST	0.01339	0.01200	0.00596	0.00270	0.00047	0.00001	0.00000	0.00000	0.03453
NORTH-NORTHWEST	0.01438	0.01256	0.00201	0.00020	0.00000	0.00000	0.00000	0.00000	0.02914
TOTAL:	0.33386	0.46607	0.14790	0.04421	0.00760	0.00036	0.00000	0.00000	1.00000

STATION: 18 RICHLAND AIRPORT

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16605.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00830	0.01877	0.01544	0.00483	0.00019	0.00033	0.00000	0.00000	0.04785
NORTH-NORTHEAST	0.00683	0.01304	0.01011	0.00263	0.00047	0.00009	0.00000	0.00000	0.03317
NORTHEAST	0.00547	0.01097	0.00889	0.00132	0.00041	0.00006	0.00000	0.00000	0.02712
EAST-NORTHEAST	0.00681	0.01005	0.00437	0.00054	0.00022	0.00000	0.00000	0.00000	0.02199
EAST	0.00914	0.01561	0.00125	0.00000	0.00000	0.00000	0.00000	0.00000	0.02599
EAST-SOUTHEAST	0.01590	0.03033	0.00118	0.00005	0.00000	0.00000	0.00000	0.00000	0.04746
SOUTHEAST	0.02011	0.03809	0.00267	0.00008	0.00000	0.00000	0.00000	0.00000	0.06095
SOUTH-SOUTHEAST	0.01800	0.02408	0.00312	0.00029	0.00000	0.00000	0.00000	0.00000	0.04549
SOUTH	0.01685	0.01929	0.00571	0.00116	0.00029	0.00015	0.00000	0.00000	0.04345
SOUTH-SOUTHWEST	0.01560	0.03178	0.02489	0.01252	0.00374	0.00065	0.00000	0.00000	0.08917
SOUTHWEST	0.01778	0.03738	0.04148	0.03740	0.01121	0.00213	0.00006	0.00000	0.14743
WEST-SOUTHWEST	0.01891	0.03512	0.03613	0.01932	0.00475	0.00171	0.00000	0.00000	0.11595
WEST	0.01929	0.03379	0.01755	0.00776	0.00132	0.00006	0.00004	0.00000	0.07981
WEST-NORTHWEST	0.01824	0.03962	0.01012	0.00300	0.00047	0.00000	0.00002	0.00000	0.07148
NORTHWEST	0.01631	0.03058	0.01507	0.00770	0.00188	0.00050	0.00037	0.00000	0.07242
NORTH-NORTHWEST	0.01123	0.02821	0.01970	0.00879	0.00207	0.00022	0.00005	0.00000	0.07026
TOTAL:	0.22475	0.41668	0.21771	0.10738	0.02704	0.00590	0.00054	0.00000	1.00000

TABLE 5.5. Continued

STATION: 19 SAGEHILL

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 2/26/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16757.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00709	0.04514	0.01570	0.00247	0.00000	0.00000	0.00000	0.00000	0.07040
NORTH-NORTHEAST	0.00636	0.04017	0.02028	0.00363	0.00012	0.00000	0.00006	0.00000	0.07061
NORTHEAST	0.00620	0.03885	0.01649	0.00233	0.00031	0.00012	0.00000	0.00000	0.06429
EAST-NORTHEAST	0.00770	0.03547	0.00581	0.00134	0.00005	0.00000	0.00000	0.00000	0.05037
EAST	0.00680	0.02870	0.00420	0.00054	0.00000	0.00000	0.00000	0.00000	0.04024
EAST-SOUTHEAST	0.00843	0.04055	0.00691	0.00010	0.00000	0.00000	0.00000	0.00000	0.05599
SOUTHEAST	0.00934	0.04488	0.01520	0.00075	0.00000	0.00000	0.00000	0.00000	0.07017
SOUTH-SOUTHEAST	0.01003	0.04779	0.03035	0.00395	0.00018	0.00000	0.00000	0.00000	0.09229
SOUTH	0.01016	0.04485	0.03631	0.00921	0.00118	0.00012	0.00000	0.00000	0.10183
SOUTH-SOUTHWEST	0.00942	0.02862	0.01892	0.00966	0.00142	0.00066	0.00037	0.00000	0.06908
SOUTHWEST	0.00718	0.02333	0.01426	0.00778	0.00151	0.00011	0.00028	0.00000	0.05444
WEST-SOUTHWEST	0.00762	0.03028	0.01276	0.00420	0.00084	0.00000	0.00000	0.00000	0.05570
WEST	0.00787	0.03492	0.01518	0.00081	0.00011	0.00000	0.00000	0.00000	0.05889
WEST-NORTHWEST	0.00753	0.02224	0.01438	0.00528	0.00041	0.00000	0.00000	0.00000	0.04984
NORTHWEST	0.00985	0.02225	0.00394	0.00106	0.00009	0.00000	0.00000	0.00000	0.03719
NORTH-NORTHWEST	0.00972	0.04109	0.00759	0.00025	0.00000	0.00000	0.00000	0.00000	0.05865
TOTAL:	0.13129	0.56914	0.23829	0.05335	0.00621	0.00101	0.00072	0.00000	1.00000

STATION: 20 RATTLESNAKE MOUNTAIN

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/2/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16646.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00192	0.01321	0.01937	0.02533	0.01653	0.00605	0.00195	0.00069	0.08505
NORTH-NORTHEAST	0.00218	0.01704	0.02101	0.03136	0.02666	0.01928	0.01010	0.00717	0.13480
NORTHEAST	0.00242	0.01108	0.01415	0.01018	0.00929	0.00746	0.00586	0.00586	0.06629
EAST-NORTHEAST	0.00204	0.00868	0.00587	0.00150	0.00052	0.00045	0.00016	0.00000	0.01922
EAST	0.00219	0.00642	0.00286	0.00058	0.00004	0.00000	0.00000	0.00000	0.01208
EAST-SOUTHEAST	0.00183	0.00558	0.00239	0.00030	0.00011	0.00000	0.00000	0.00000	0.01022
SOUTHEAST	0.00304	0.00564	0.00270	0.00155	0.00016	0.00000	0.00000	0.00001	0.01309
SOUTH-SOUTHEAST	0.00181	0.00651	0.00380	0.00174	0.00056	0.00002	0.00000	0.00005	0.01449
SOUTH	0.00252	0.00962	0.00913	0.00700	0.00196	0.00126	0.00122	0.00076	0.03347
SOUTH-SOUTHWEST	0.00331	0.01288	0.02024	0.02048	0.01143	0.01068	0.00670	0.00669	0.09241
SOUTHWEST	0.00238	0.01879	0.03145	0.04704	0.03667	0.03645	0.02928	0.03390	0.23596
WEST-SOUTHWEST	0.00211	0.01241	0.01826	0.02436	0.02643	0.02573	0.01903	0.01860	0.14694
WEST	0.00170	0.00815	0.01062	0.01187	0.00823	0.00487	0.00152	0.00049	0.04744
WEST-NORTHWEST	0.00144	0.00623	0.00677	0.00622	0.00334	0.00112	0.00005	0.00006	0.02523
NORTHWEST	0.00213	0.00758	0.00761	0.00677	0.00217	0.00023	0.00001	0.00000	0.02649
NORTH-NORTHWEST	0.00196	0.00916	0.01067	0.01030	0.00409	0.00046	0.00017	0.00000	0.03682
TOTAL:	0.03497	0.15897	0.18690	0.20659	0.14820	0.11407	0.07602	0.07428	1.00000

TABLE 5.5. Continued

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17052.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01564	0.02868	0.00734	0.00181	0.00017	0.00000	0.00000	0.00000	0.05364
NORTH-NORTHEAST	0.01510	0.02097	0.00643	0.00161	0.00033	0.00006	0.00000	0.00000	0.04449
NORTHEAST	0.01278	0.01290	0.00307	0.00147	0.00043	0.00000	0.00000	0.00000	0.03066
EAST-NORTHEAST	0.01197	0.01158	0.00092	0.00070	0.00023	0.00000	0.00000	0.00000	0.02539
EAST	0.01078	0.01587	0.00058	0.00013	0.00011	0.00000	0.00000	0.00000	0.02747
EAST-SOUTHEAST	0.01210	0.02164	0.00156	0.00002	0.00000	0.00000	0.00000	0.00000	0.03533
SOUTHEAST	0.01158	0.02654	0.00677	0.00062	0.00001	0.00000	0.00000	0.00000	0.04552
SOUTH-SOUTHEAST	0.00927	0.01933	0.00638	0.00139	0.00023	0.00002	0.00000	0.00000	0.03662
SOUTH	0.00809	0.01854	0.00553	0.00254	0.00103	0.00052	0.00000	0.00000	0.03624
SOUTH-SOUTHWEST	0.00797	0.02008	0.00789	0.00582	0.00236	0.00048	0.00000	0.00000	0.04460
SOUTHWEST	0.00991	0.02813	0.01482	0.01440	0.00735	0.00092	0.00000	0.00000	0.07553
WEST-SOUTHWEST	0.00981	0.04521	0.02895	0.01062	0.00139	0.00012	0.00000	0.00000	0.09610
WEST	0.01095	0.05836	0.02410	0.00435	0.00017	0.00000	0.00000	0.00000	0.09794
WEST-NORTHWEST	0.01270	0.06721	0.04349	0.01420	0.00098	0.00016	0.00000	0.00000	0.13874
NORTHWEST	0.01524	0.05990	0.04706	0.01287	0.00298	0.00001	0.00000	0.00000	0.13806
NORTH-NORTHWEST	0.01612	0.04436	0.01108	0.00203	0.00007	0.00000	0.00000	0.00000	0.07367
TOTAL:	0.19001	0.49930	0.21599	0.07460	0.01783	0.00229	0.00000	0.00000	1.00000

STATION: 22 PASCO AIRPORT

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 9964.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01926	0.03846	0.01896	0.00526	0.00036	0.00016	0.00000	0.00000	0.08246
NORTH-NORTHEAST	0.01652	0.01765	0.00595	0.00358	0.00040	0.00004	0.00000	0.00000	0.04413
NORTHEAST	0.01446	0.00824	0.00148	0.00211	0.00035	0.00000	0.00000	0.00000	0.02665
EAST-NORTHEAST	0.01431	0.01371	0.00223	0.00018	0.00009	0.00000	0.00000	0.00000	0.03052
EAST	0.01370	0.02312	0.00443	0.00030	0.00000	0.00000	0.00000	0.00000	0.04155
EAST-SOUTHEAST	0.00866	0.02454	0.00716	0.00139	0.00000	0.00000	0.00000	0.00000	0.04175
SOUTHEAST	0.00549	0.01936	0.00788	0.00169	0.00000	0.00000	0.00000	0.00000	0.03442
SOUTH-SOUTHEAST	0.00443	0.01209	0.00698	0.00148	0.00010	0.00000	0.00000	0.00000	0.02510
SOUTH	0.00437	0.01682	0.01608	0.00761	0.00120	0.00000	0.00000	0.00000	0.04609
SOUTH-SOUTHWEST	0.00330	0.01660	0.02415	0.03010	0.01073	0.00129	0.00000	0.00000	0.08616
SOUTHWEST	0.00450	0.01408	0.03055	0.04605	0.02108	0.00718	0.00053	0.00014	0.12410
WEST-SOUTHWEST	0.00452	0.01261	0.02178	0.02721	0.01756	0.01032	0.00469	0.00074	0.09943
WEST	0.00608	0.01768	0.01395	0.00851	0.00280	0.00154	0.00077	0.00013	0.05145
WEST-NORTHWEST	0.00715	0.02850	0.01791	0.00764	0.00127	0.00079	0.00004	0.00000	0.06330
NORTHWEST	0.01177	0.04441	0.02804	0.01301	0.00104	0.00025	0.00000	0.00000	0.09852
NORTH-NORTHWEST	0.01591	0.05172	0.02642	0.00948	0.00073	0.00010	0.00000	0.00000	0.10436
TOTAL:	0.15446	0.35959	0.23394	0.16560	0.05771	0.02168	0.00602	0.00100	1.00000

TABLE 5.5. Continued

STATION: 23 100 -- F AREA

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 8260.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01046	0.01992	0.00584	0.00176	0.00000	0.00000	0.00000	0.00000	0.03797
NORTH-NORTHEAST	0.00850	0.01438	0.00790	0.00330	0.00048	0.00000	0.00000	0.00000	0.03456
NORTHEAST	0.00914	0.01014	0.00272	0.00186	0.00036	0.00000	0.00000	0.00000	0.02423
EAST-NORTHEAST	0.00929	0.00953	0.00110	0.00045	0.00024	0.00000	0.00000	0.00000	0.02063
EAST	0.01053	0.01631	0.00077	0.00000	0.00000	0.00000	0.00000	0.00000	0.02762
EAST-SOUTHEAST	0.01046	0.01914	0.00235	0.00000	0.00000	0.00000	0.00000	0.00000	0.03195
SOUTHEAST	0.01518	0.05310	0.01657	0.00142	0.00012	0.00000	0.00000	0.00000	0.08640
SOUTH-SOUTHEAST	0.01479	0.07904	0.02889	0.00200	0.00000	0.00005	0.00000	0.00000	0.12476
SOUTH	0.01610	0.02971	0.00484	0.00162	0.00098	0.00065	0.00015	0.00000	0.05406
SOUTH-SOUTHWEST	0.01453	0.01102	0.00590	0.00215	0.00182	0.00120	0.00021	0.00000	0.03682
SOUTHWEST	0.01507	0.01071	0.00920	0.00676	0.00599	0.00074	0.00000	0.00000	0.04849
WEST-SOUTHWEST	0.01904	0.01288	0.01433	0.01017	0.00224	0.00076	0.00000	0.00000	0.05941
WEST	0.02320	0.03985	0.02486	0.00888	0.00221	0.00008	0.00000	0.00000	0.09908
WEST-NORTHWEST	0.02284	0.08599	0.04065	0.02058	0.00914	0.00110	0.00000	0.00000	0.18030
NORTHWEST	0.01604	0.04481	0.01545	0.00732	0.00232	0.00027	0.00000	0.00000	0.08621
NORTH-NORTHWEST	0.01607	0.02387	0.00505	0.00254	0.00000	0.00000	0.00000	0.00000	0.04753
TOTAL:	0.23123	0.48039	0.18644	0.07082	0.02591	0.00484	0.00036	0.00000	1.00000

STATION: 24 GABLE WEST

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 8276.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.01168	0.02409	0.01050	0.00245	0.00008	0.00000	0.00000	0.00000	0.04879
NORTH-NORTHEAST	0.00989	0.01541	0.01004	0.00332	0.00039	0.00000	0.00000	0.00000	0.03906
NORTHEAST	0.00896	0.00871	0.00258	0.00145	0.00030	0.00012	0.00000	0.00000	0.02213
EAST-NORTHEAST	0.00720	0.00690	0.00083	0.00011	0.00044	0.00000	0.00000	0.00000	0.01548
EAST	0.01127	0.01038	0.00060	0.00000	0.00000	0.00000	0.00000	0.00000	0.02225
EAST-SOUTHEAST	0.01371	0.02069	0.00411	0.00011	0.00000	0.00000	0.00000	0.00000	0.03862
SOUTHEAST	0.01985	0.06878	0.04137	0.00414	0.00002	0.00000	0.00000	0.00000	0.13415
SOUTH-SOUTHEAST	0.01883	0.06687	0.04052	0.00480	0.00066	0.00000	0.00000	0.00000	0.13169
SOUTH	0.01784	0.01973	0.00501	0.00178	0.00127	0.00085	0.00000	0.00000	0.04647
SOUTH-SOUTHWEST	0.01551	0.01045	0.00406	0.00284	0.00089	0.00119	0.00035	0.00000	0.03530
SOUTHWEST	0.01806	0.01035	0.00731	0.00651	0.00359	0.00069	0.00002	0.00000	0.04654
WEST-SOUTHWEST	0.02007	0.01930	0.01205	0.00757	0.00329	0.00065	0.00000	0.00000	0.06294
WEST	0.02708	0.04557	0.01794	0.01041	0.00201	0.00039	0.00000	0.00000	0.10340
WEST-NORTHWEST	0.03199	0.05939	0.01376	0.01184	0.00610	0.00079	0.00000	0.00000	0.12387
NORTHWEST	0.02476	0.04179	0.00511	0.00168	0.00053	0.00003	0.00000	0.00000	0.07389
NORTH-NORTHWEST	0.01613	0.03148	0.00532	0.00251	0.00000	0.00000	0.00000	0.00000	0.05543
TOTAL:	0.27284	0.45988	0.18113	0.06150	0.01957	0.00471	0.00036	0.00000	1.00000

TABLE 5.5. Continued

STATION: 25 VERNITA BRIDGE

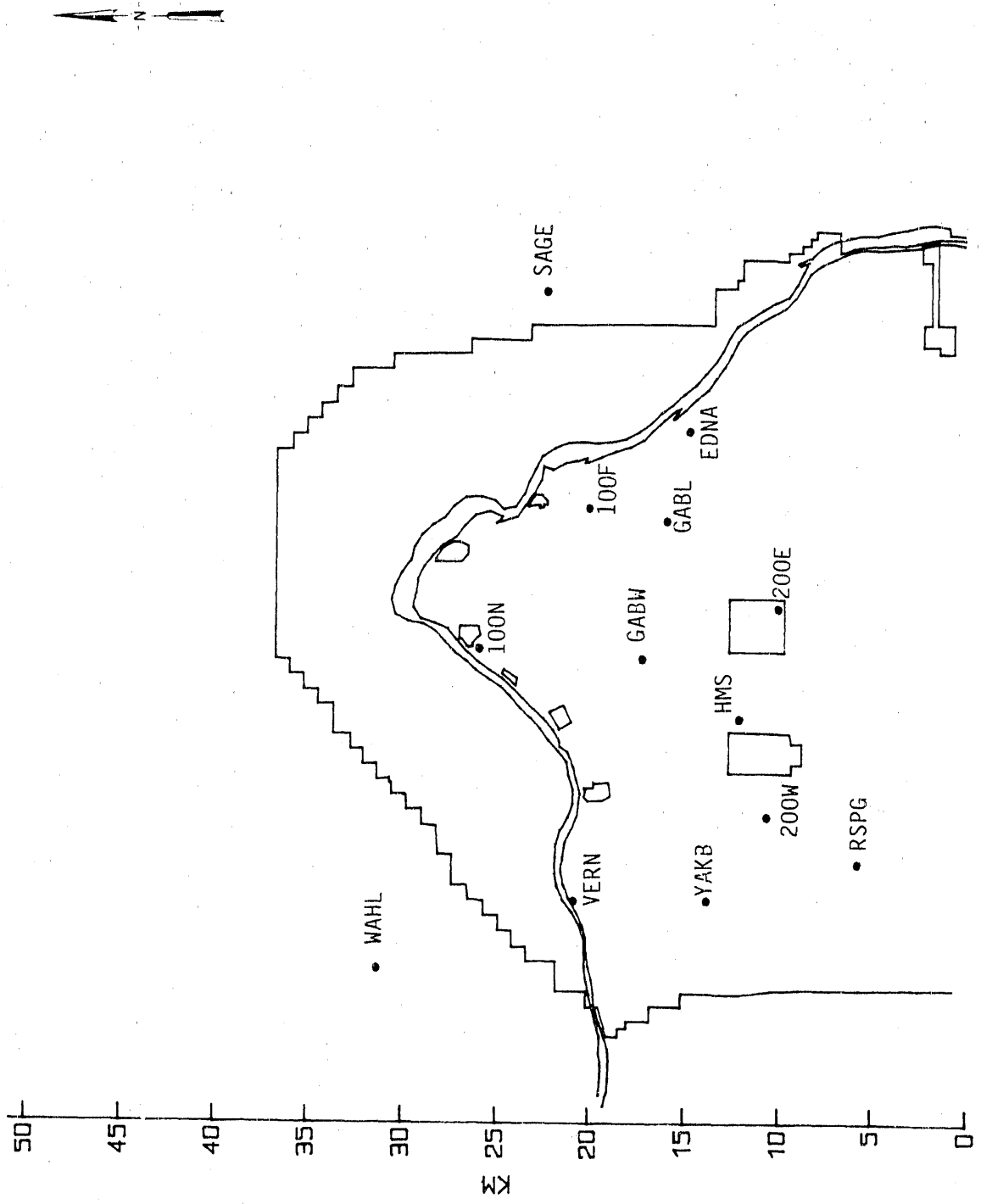
SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 2/ 8/88 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 4136.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00577	0.00810	0.00354	0.00335	0.00085	0.00000	0.00000	0.00000	0.02161
NORTH-NORTHEAST	0.00668	0.01520	0.00574	0.00320	0.00033	0.00000	0.00000	0.00000	0.03116
NORTHEAST	0.00801	0.02315	0.00568	0.00039	0.00048	0.00000	0.00000	0.00000	0.03772
EAST-NORTHEAST	0.01345	0.03745	0.00792	0.00000	0.00000	0.00000	0.00000	0.00000	0.05881
EAST	0.01520	0.05277	0.00607	0.00000	0.00000	0.00000	0.00000	0.00000	0.07404
EAST-SOUTHEAST	0.01339	0.03859	0.00209	0.00000	0.00000	0.00000	0.00000	0.00000	0.05407
SOUTHEAST	0.01357	0.01995	0.00109	0.00000	0.00000	0.00000	0.00000	0.00000	0.03460
SOUTH-SOUTHEAST	0.01363	0.00849	0.00106	0.00000	0.00000	0.00000	0.00000	0.00000	0.02318
SOUTH	0.00982	0.00474	0.00260	0.00030	0.00000	0.00000	0.00000	0.00000	0.01747
SOUTH-SOUTHWEST	0.01064	0.00453	0.00447	0.00127	0.00281	0.00045	0.00000	0.00000	0.02418
SOUTHWEST	0.01333	0.01130	0.00468	0.00459	0.00873	0.00293	0.00000	0.00000	0.04558
WEST-SOUTHWEST	0.01940	0.05410	0.03470	0.00771	0.00136	0.00000	0.00000	0.00000	0.11726
WEST	0.01680	0.07779	0.08671	0.01668	0.00109	0.00000	0.00000	0.00000	0.19908
WEST-NORTHWEST	0.00831	0.03609	0.06637	0.04140	0.01148	0.00112	0.00000	0.00000	0.16477
NORTHWEST	0.00604	0.01454	0.02469	0.01971	0.00626	0.00082	0.00000	0.00000	0.07205
NORTH-NORTHWEST	0.00438	0.00882	0.00517	0.00487	0.00118	0.00000	0.00000	0.00000	0.02442
TOTAL:	0.17843	0.41562	0.26257	0.10348	0.03457	0.00532	0.00000	0.00000	1.00000

(a)



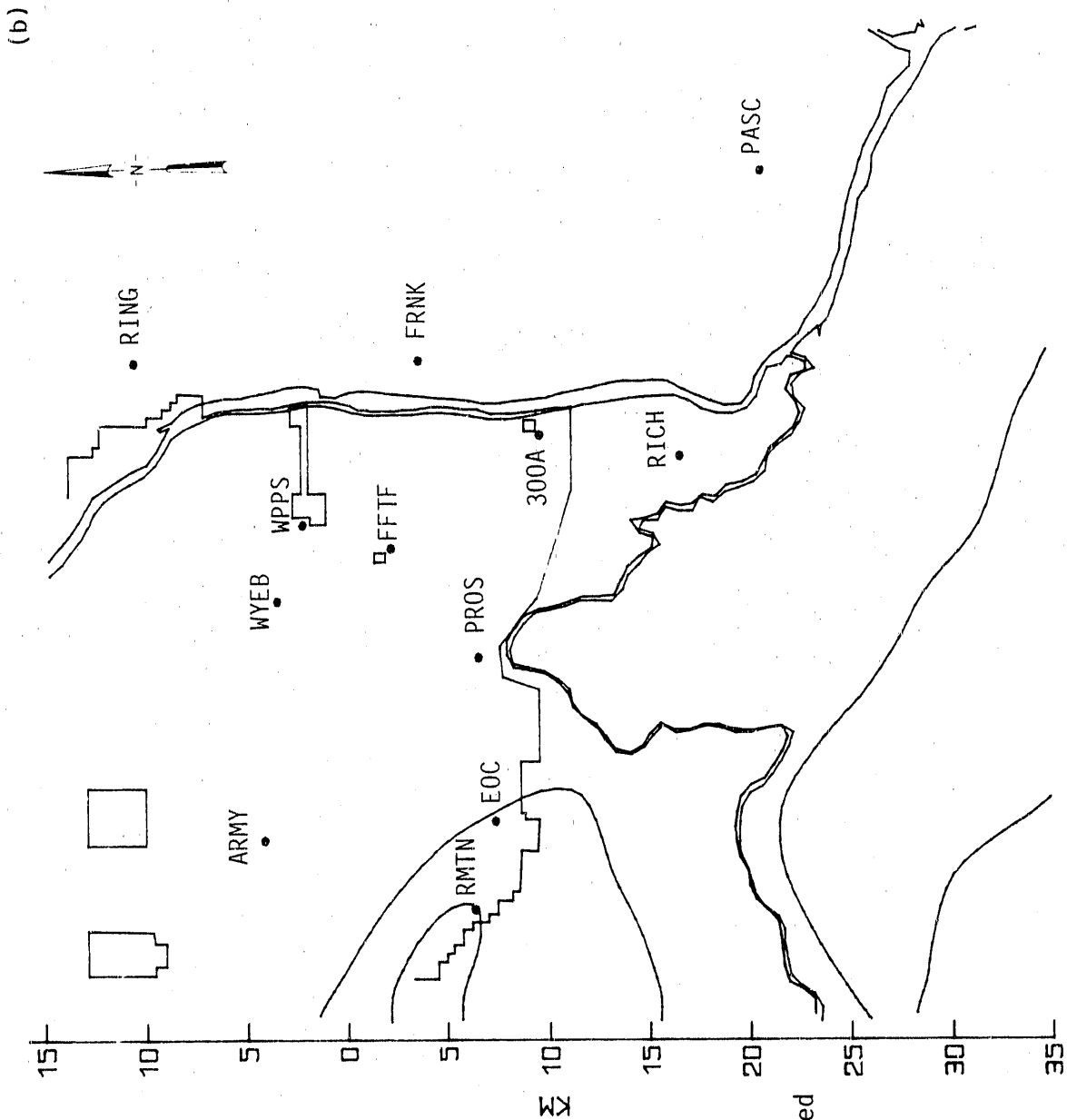
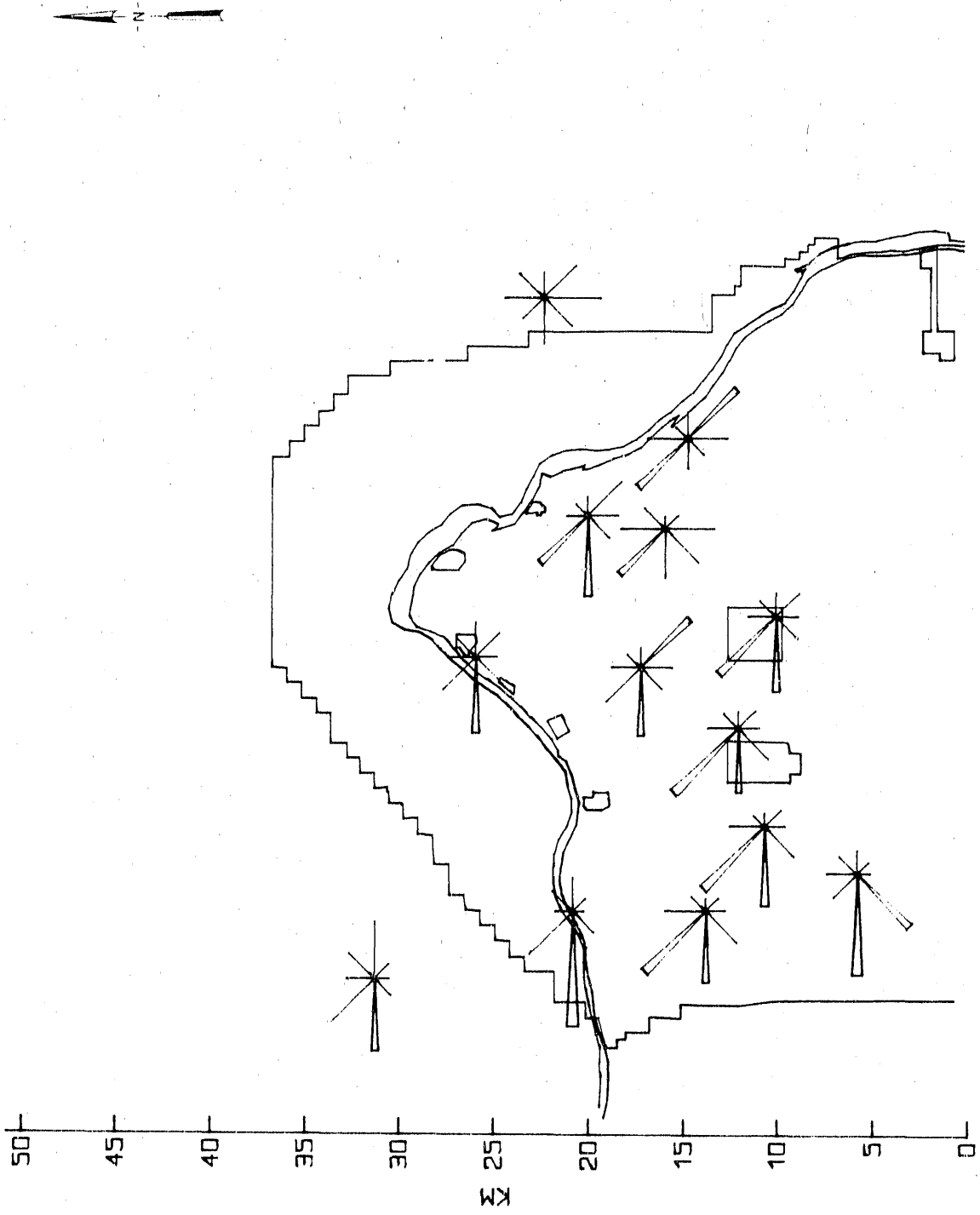


FIGURE 5.1. Wind Monitoring Stations in the Northern (a) and Southern (b) Portions of the Hanford Site. Station IDs are provided for reference with the succeeding figures on which wind roses are plotted.

(a)

ANNUAL



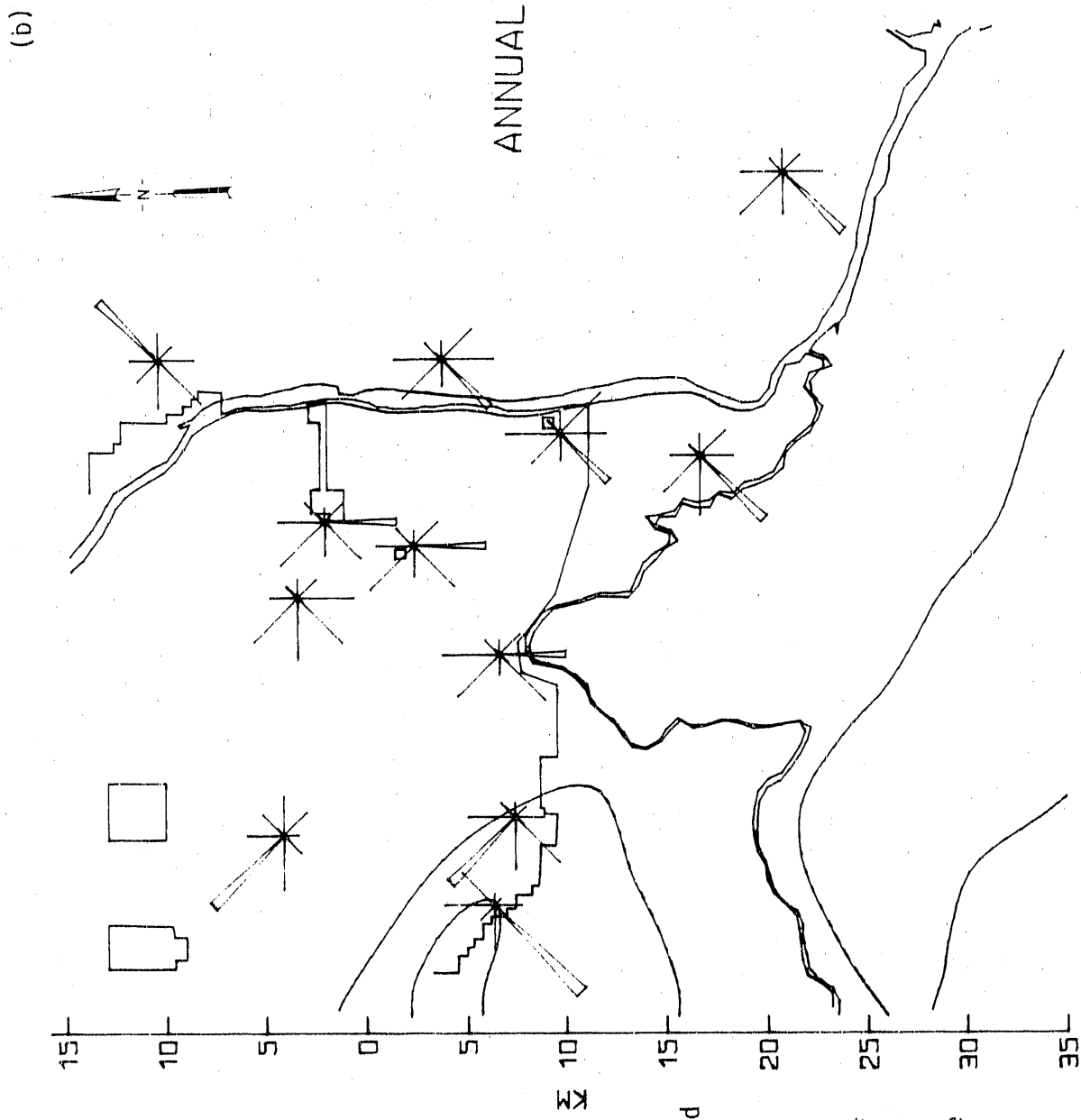
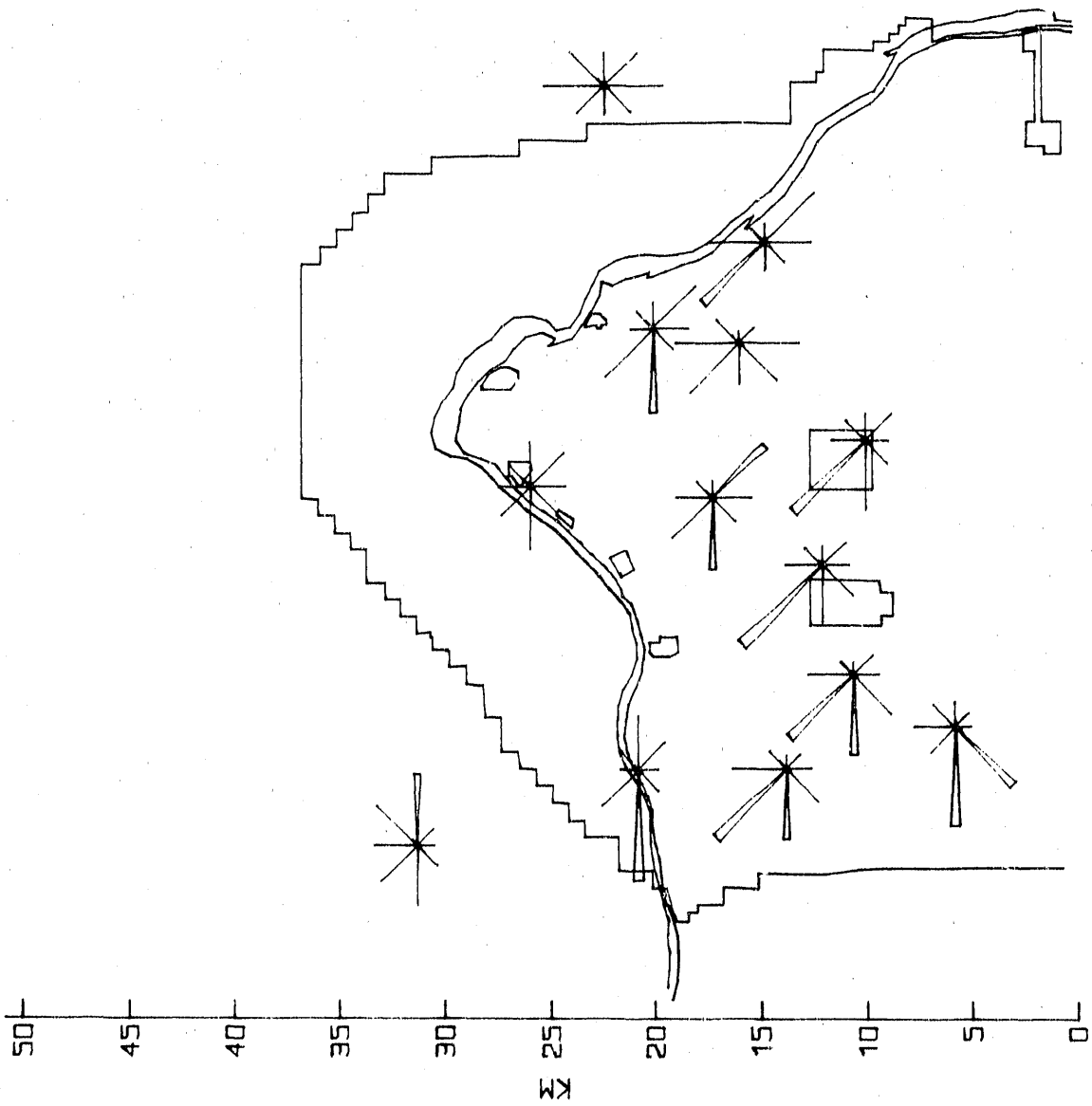
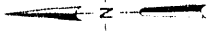


FIGURE 5.2. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site Using all Available Data from the Study Period. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

WINTER



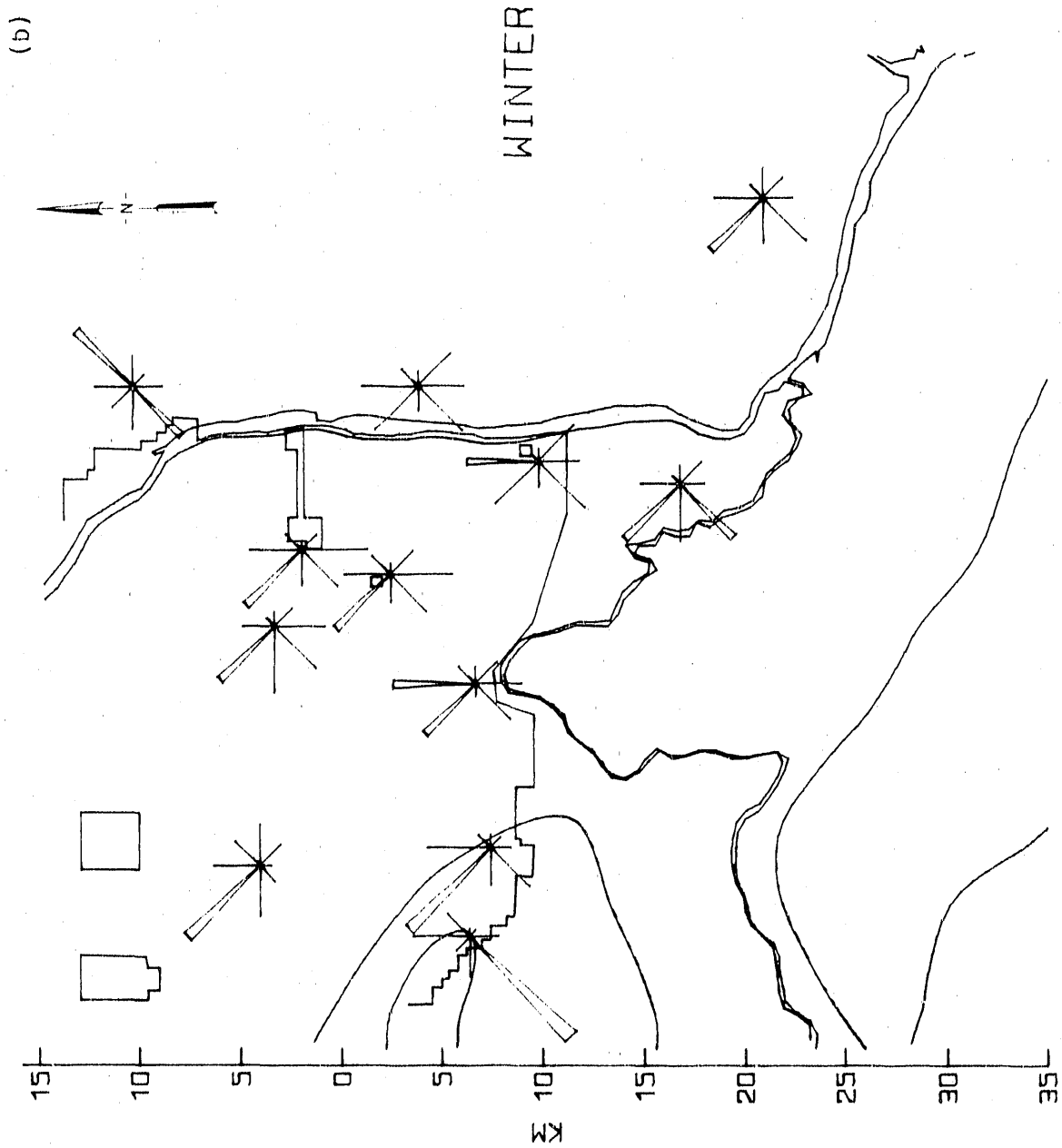
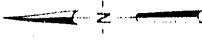
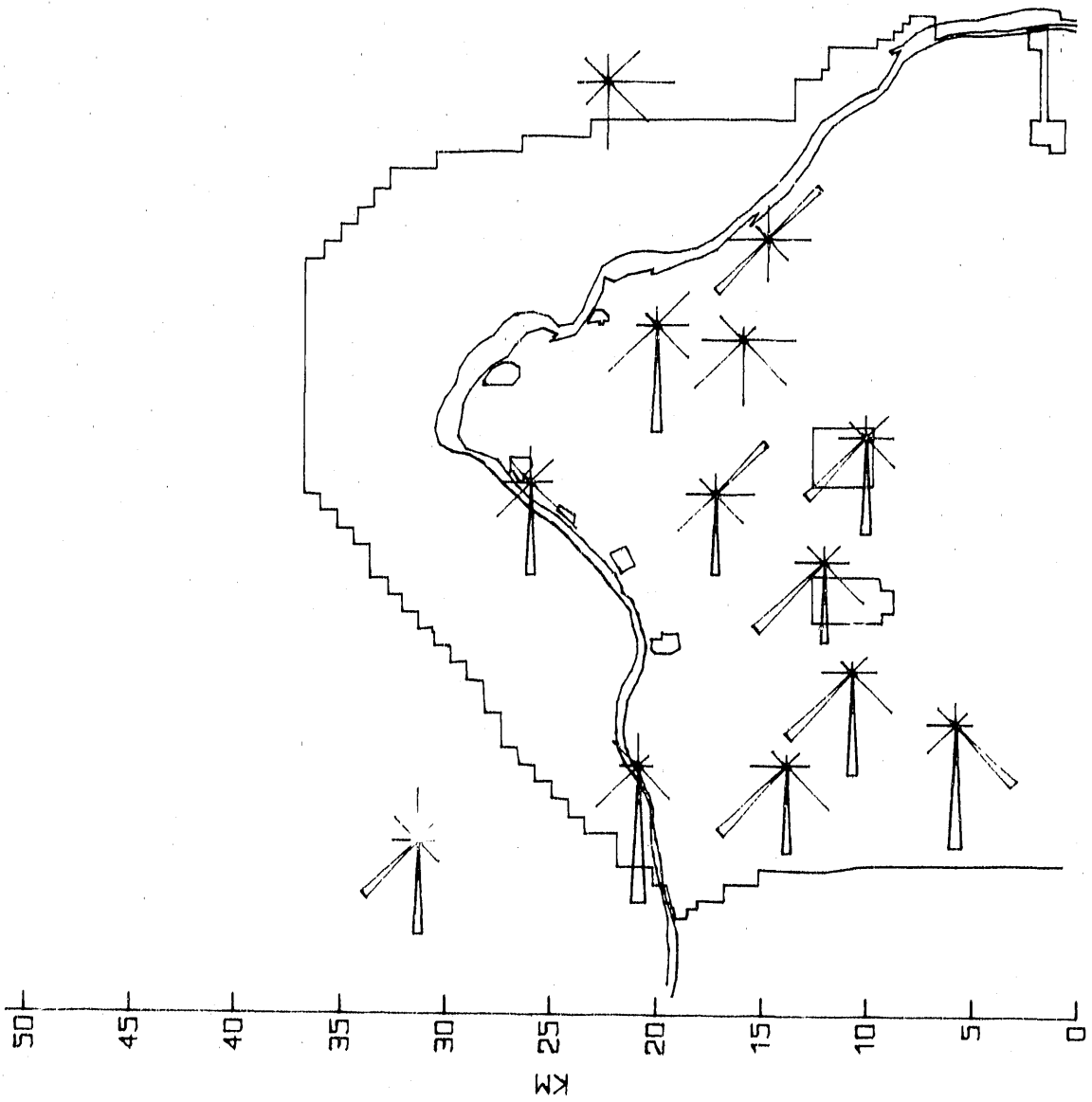


FIGURE 5.3. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Winter Season. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)



SPRING



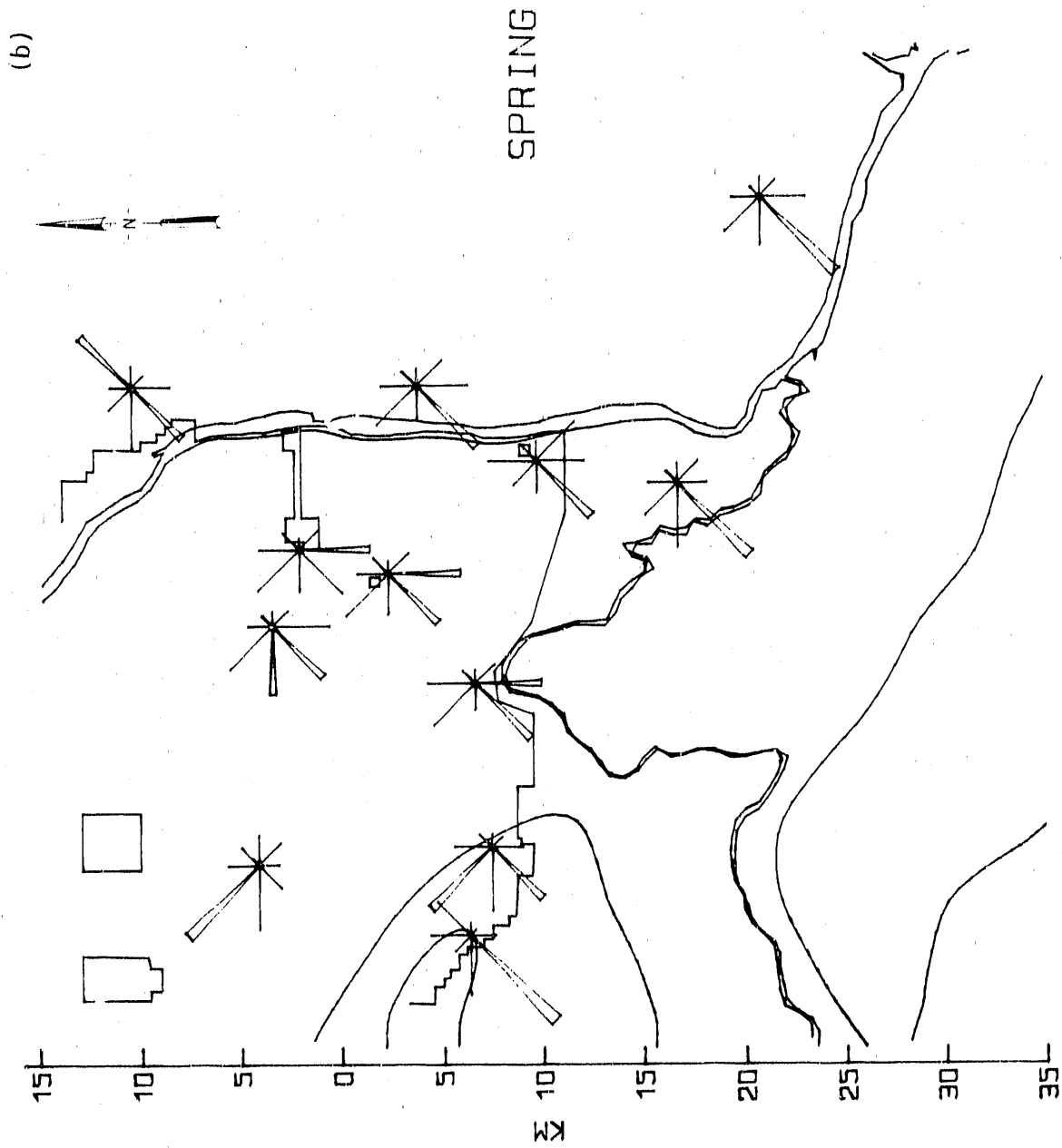
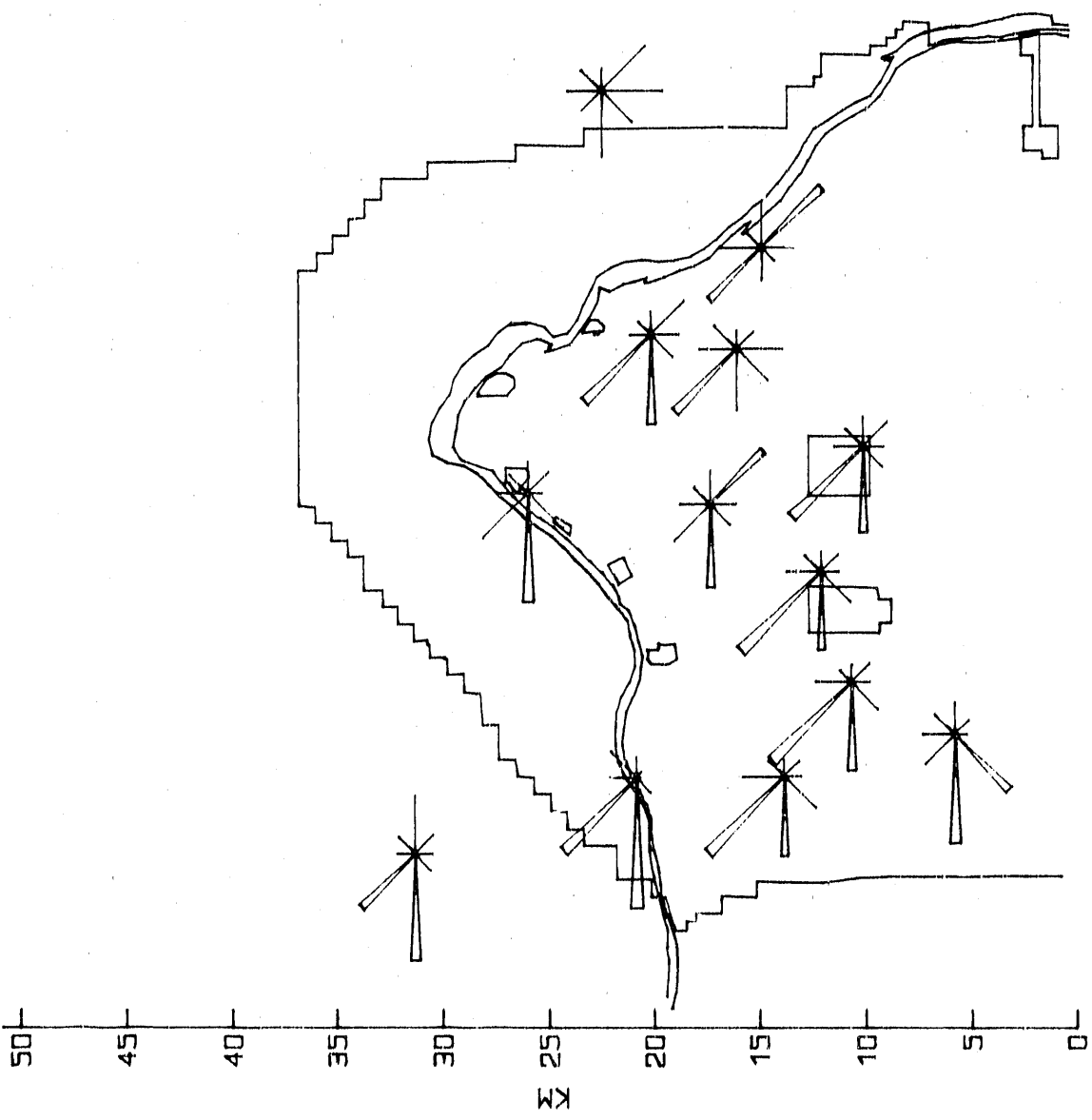
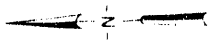


FIGURE 5.4. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

SUMMER



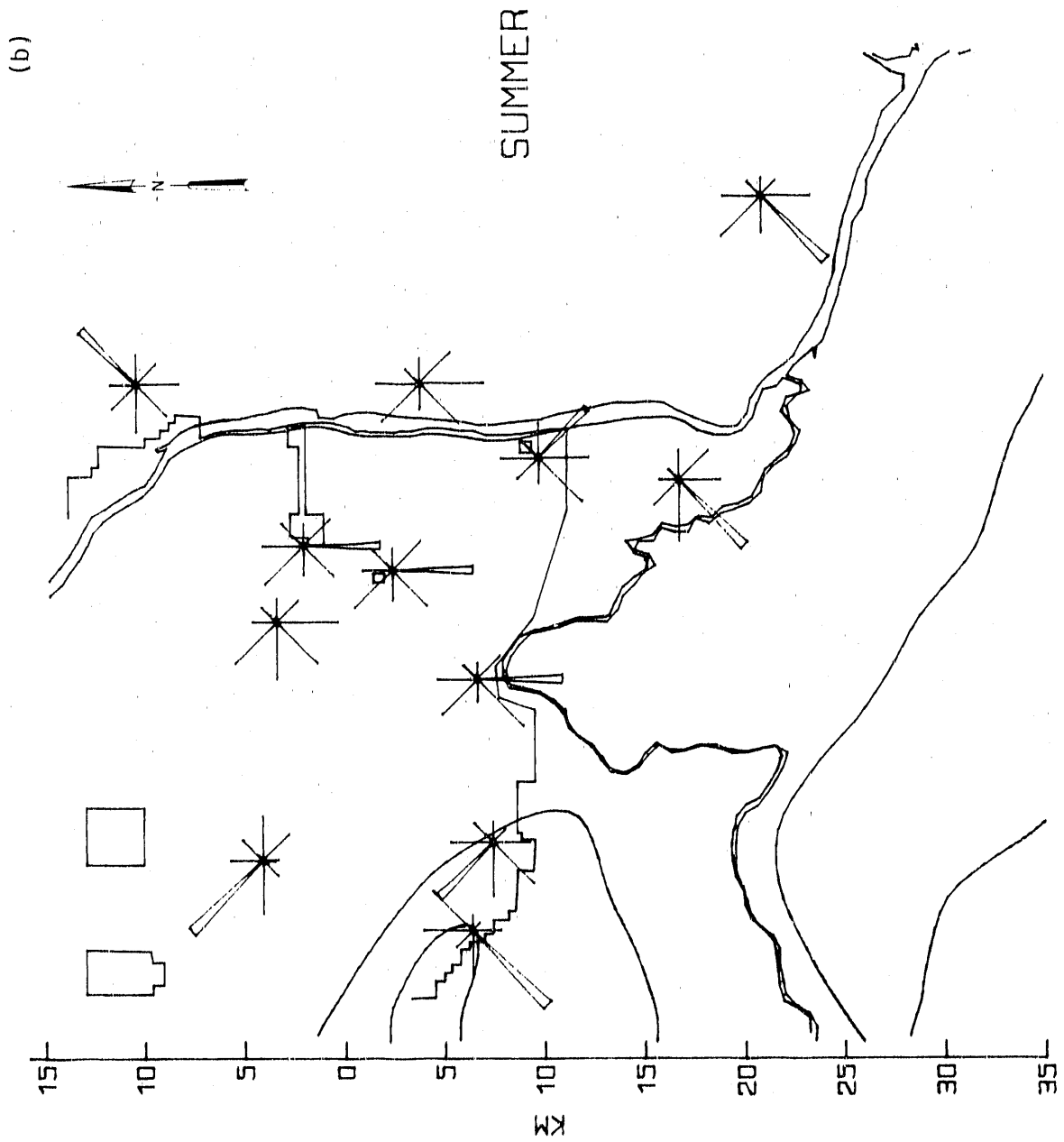
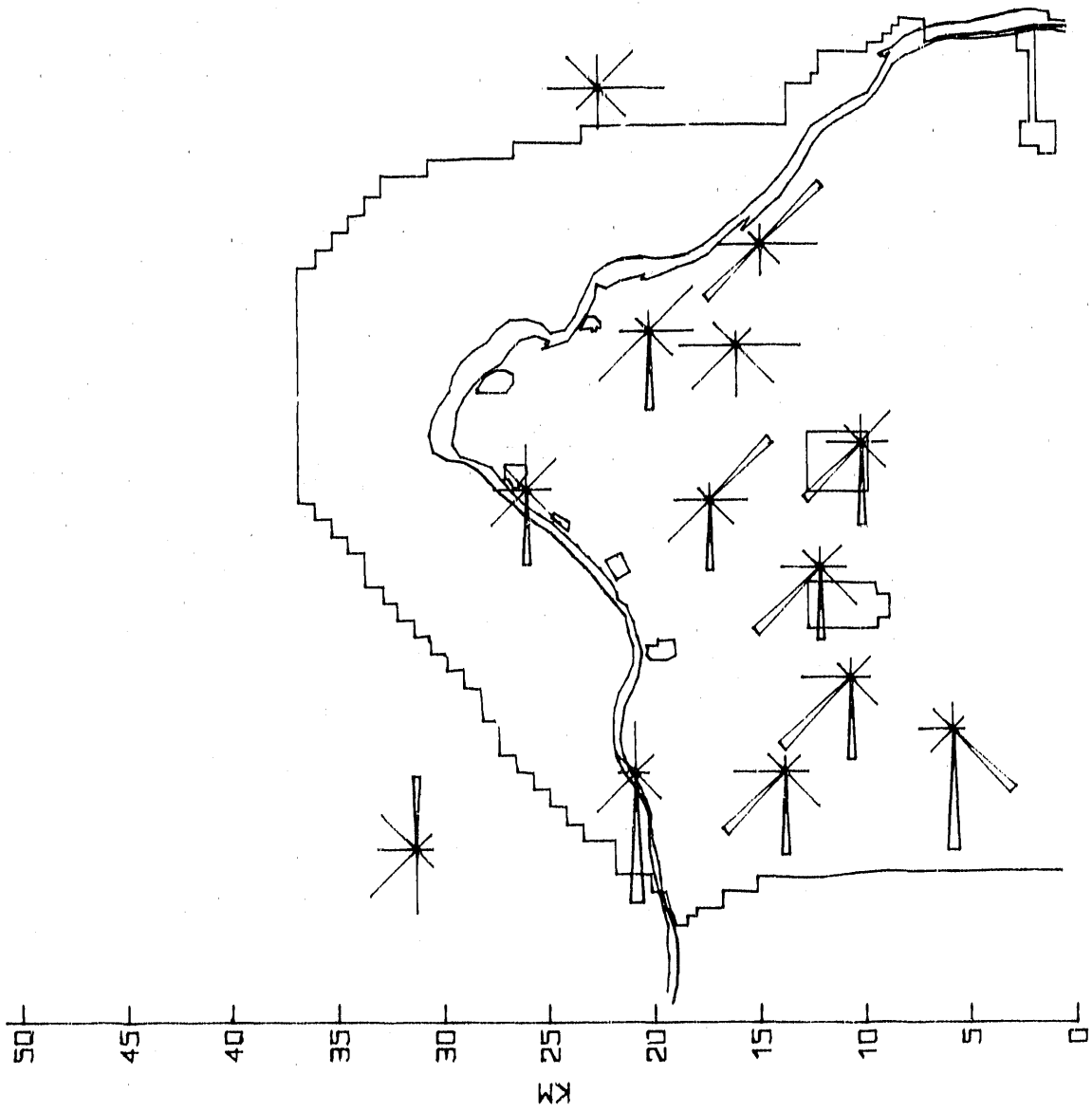
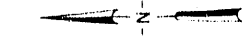


FIGURE 5.5. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Summer Season. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

FALL



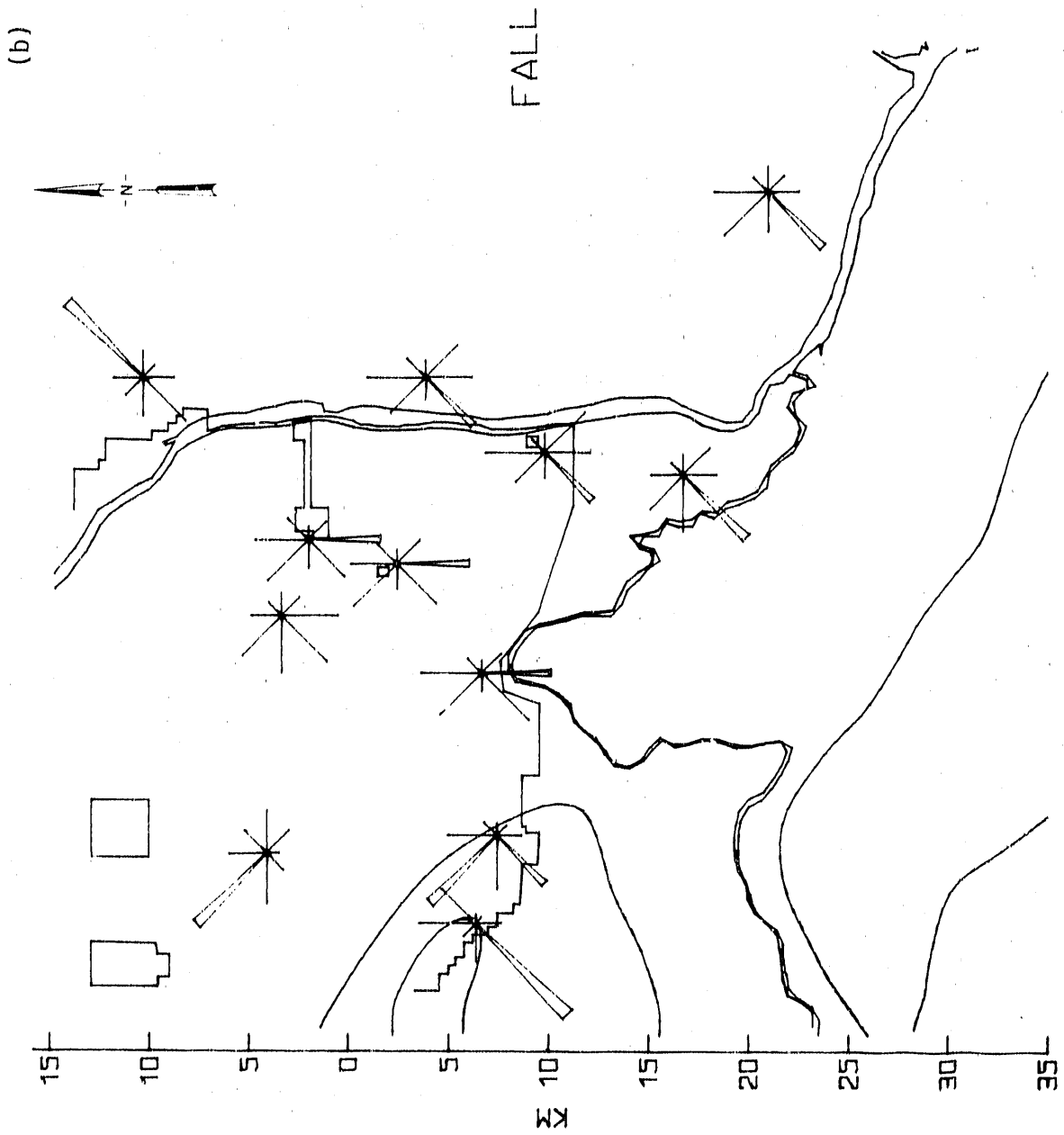
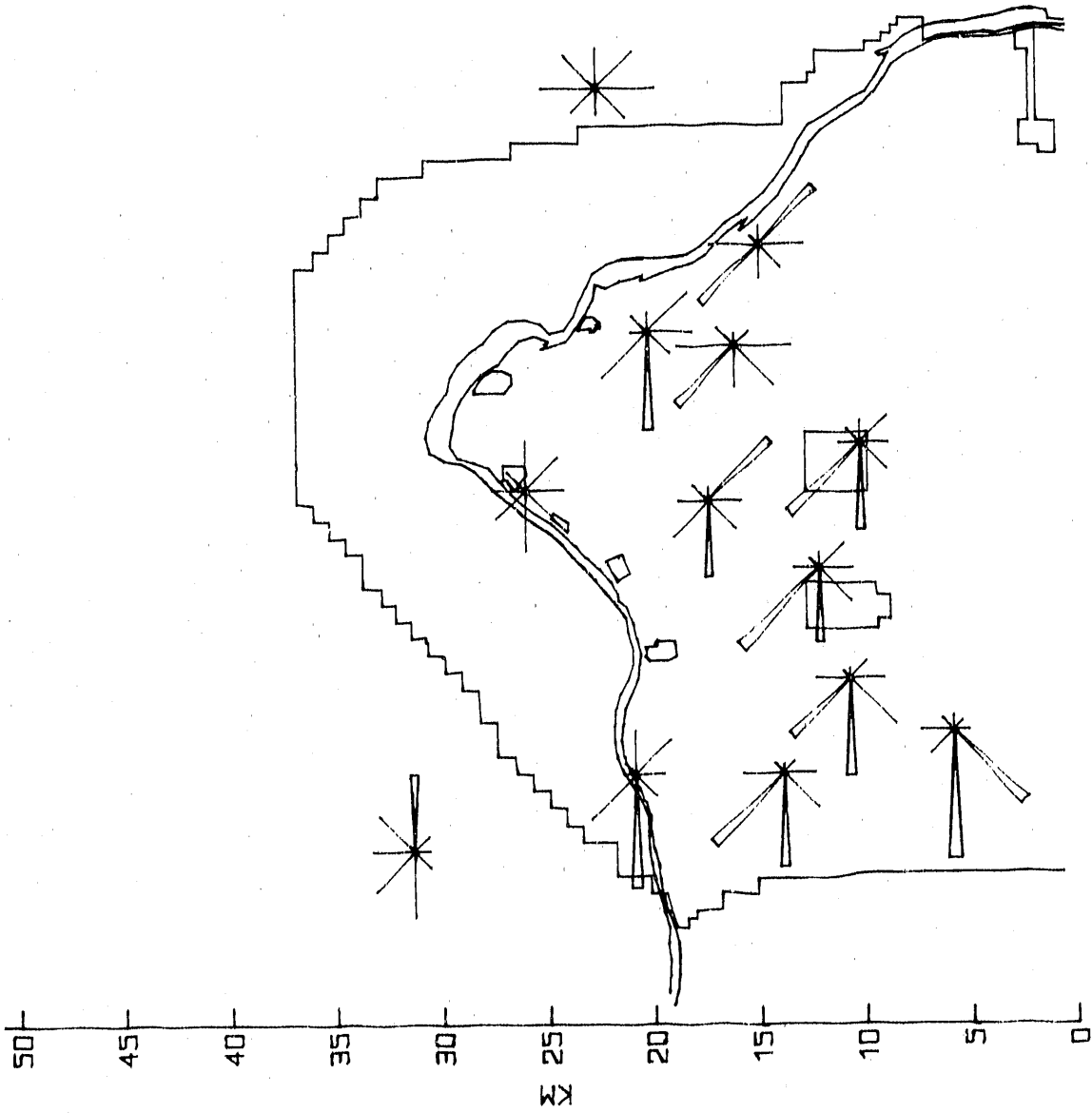
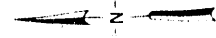


FIGURE 5.6. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Fall Season. In the wind roses, a line length of 0.5 cm represents a frequency of 0.1 (i.e., 10%) of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

WINTER

1:00
AND
2:00



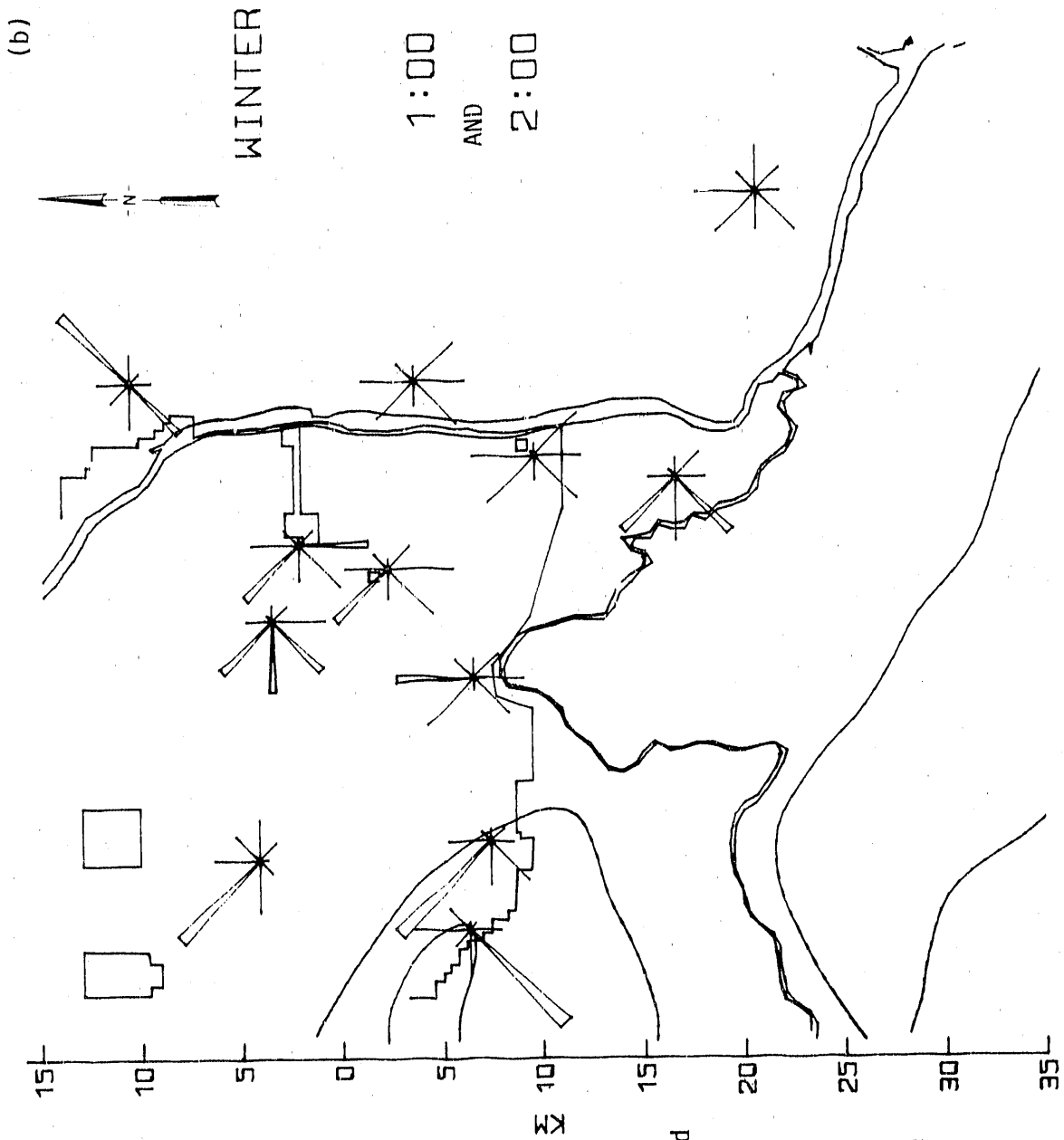
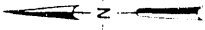


FIGURE 5.7. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Winter Season--0100 and 0200 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

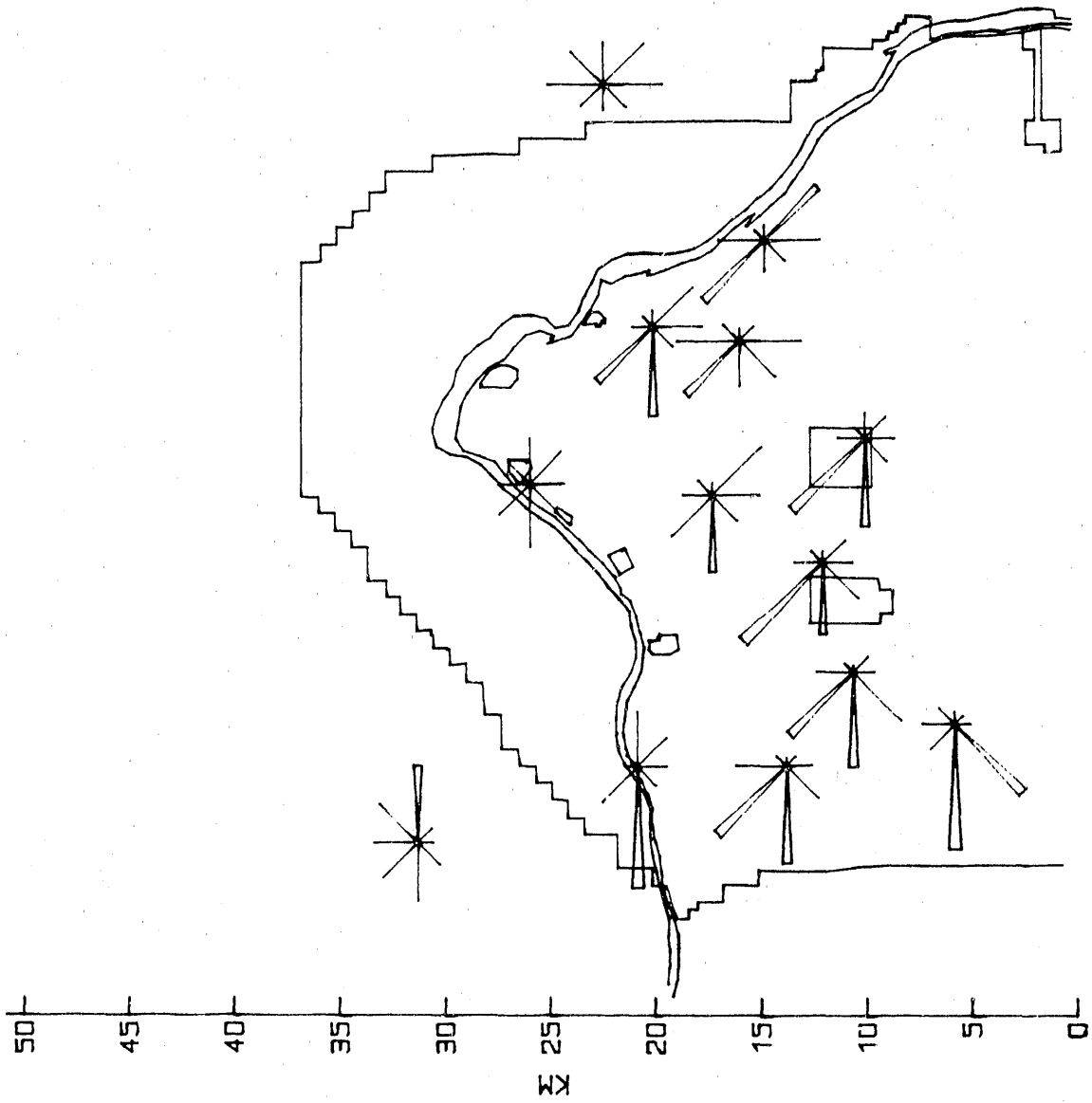


WINTER

3:00

AND

4:00



5.88

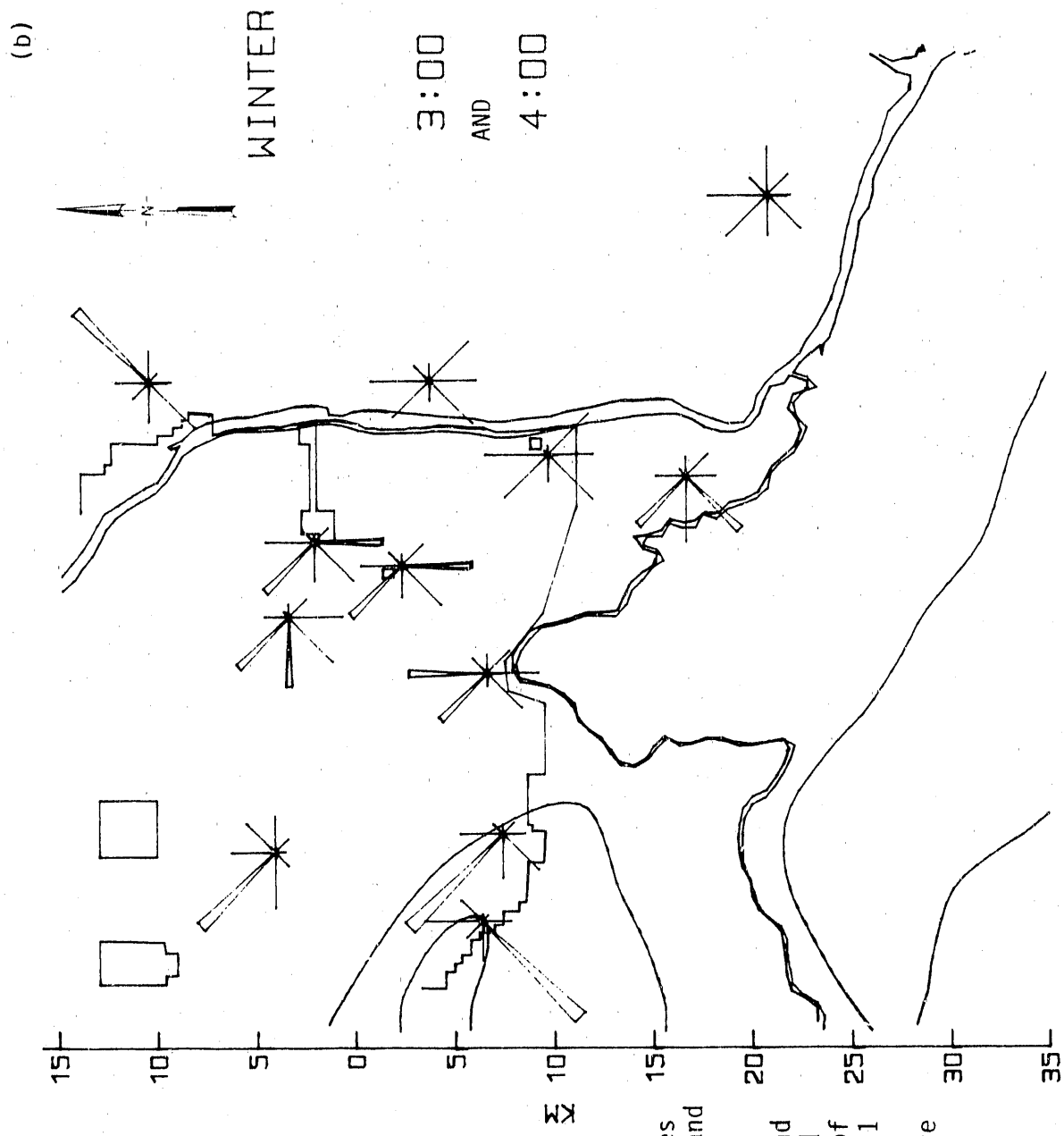
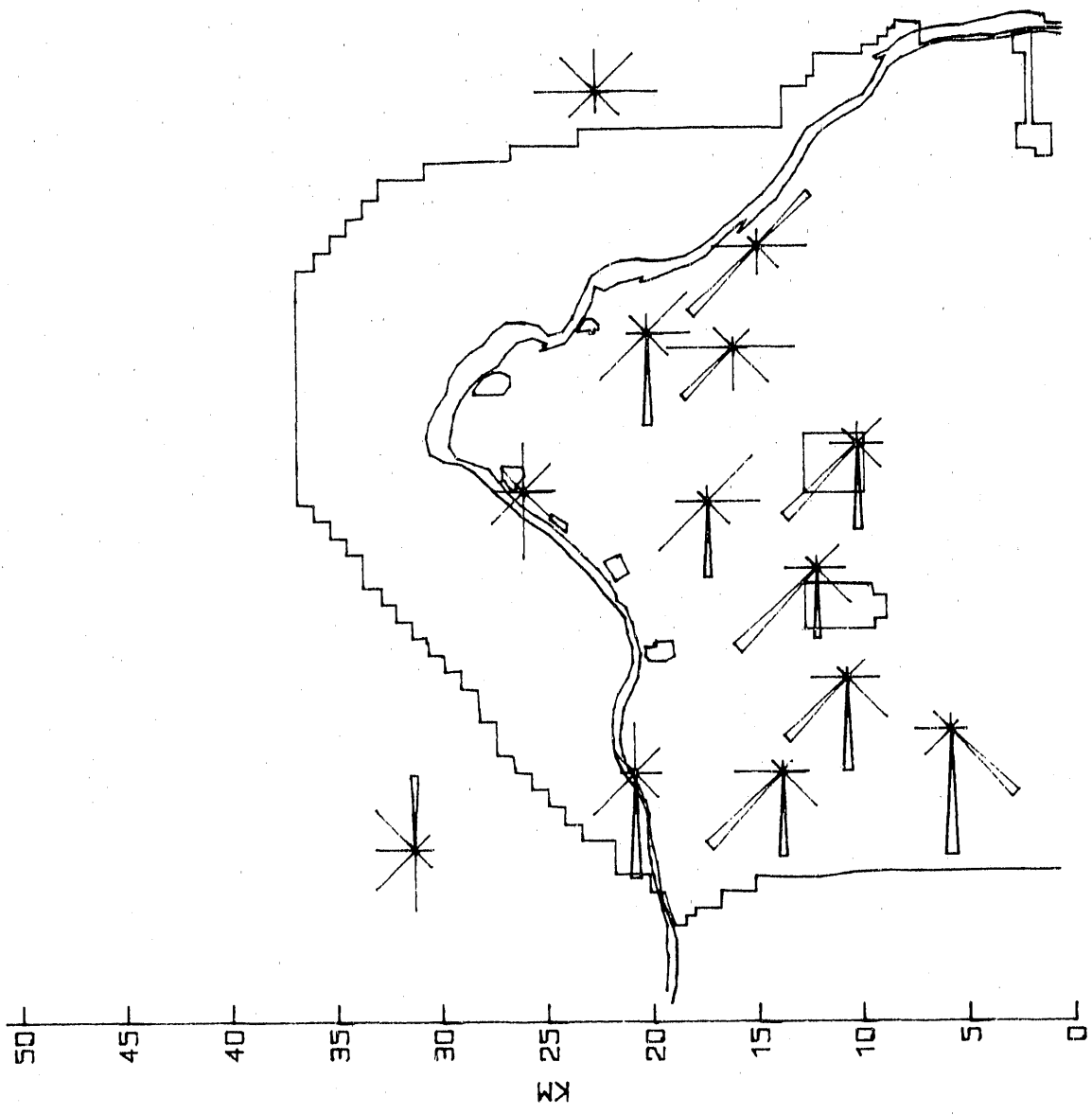
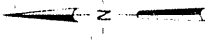


FIGURE 5.8. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Winter Season--0300 and 0400 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

WINTER

5:00
AND
6:00



5.90

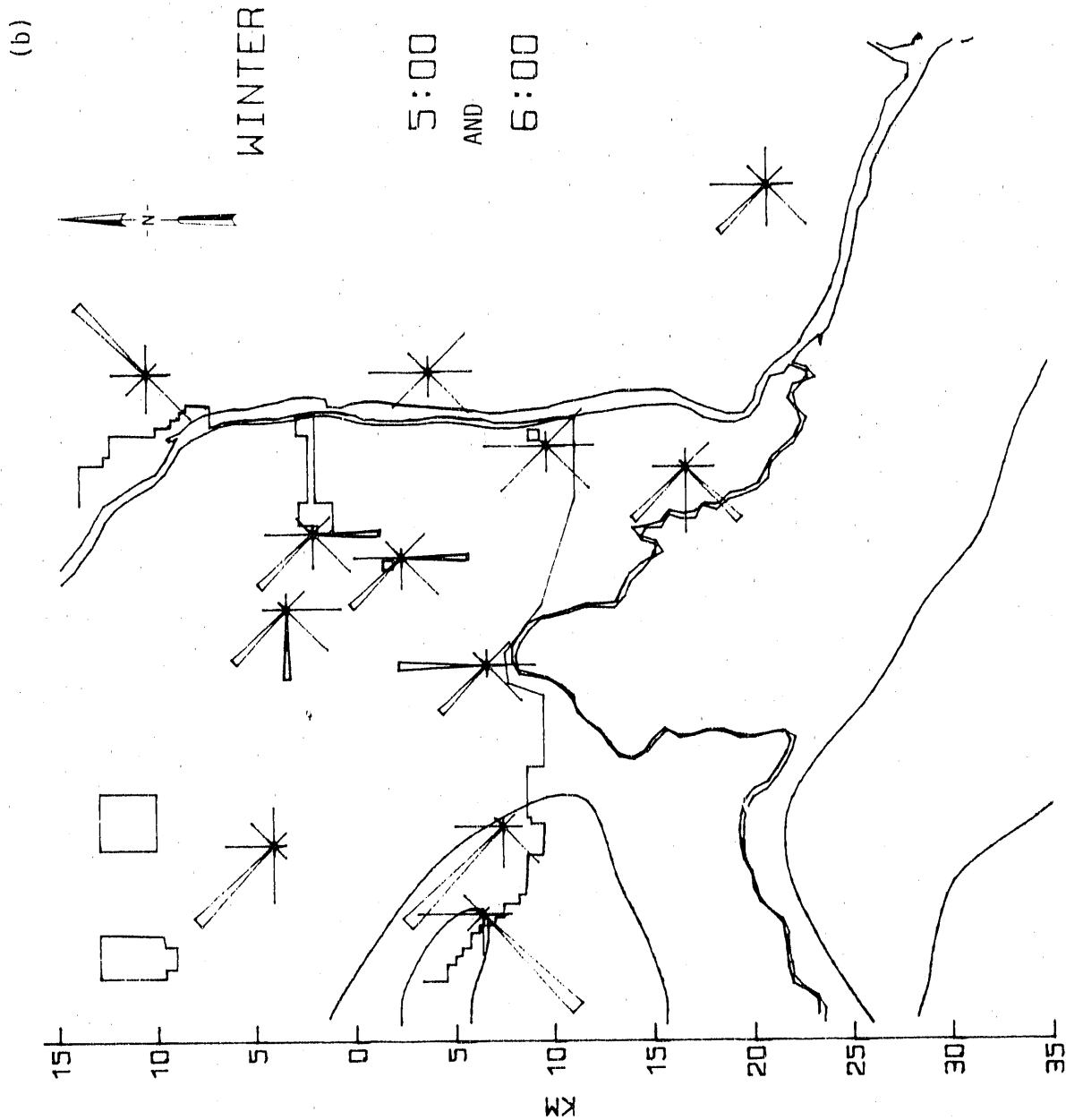
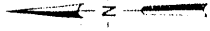


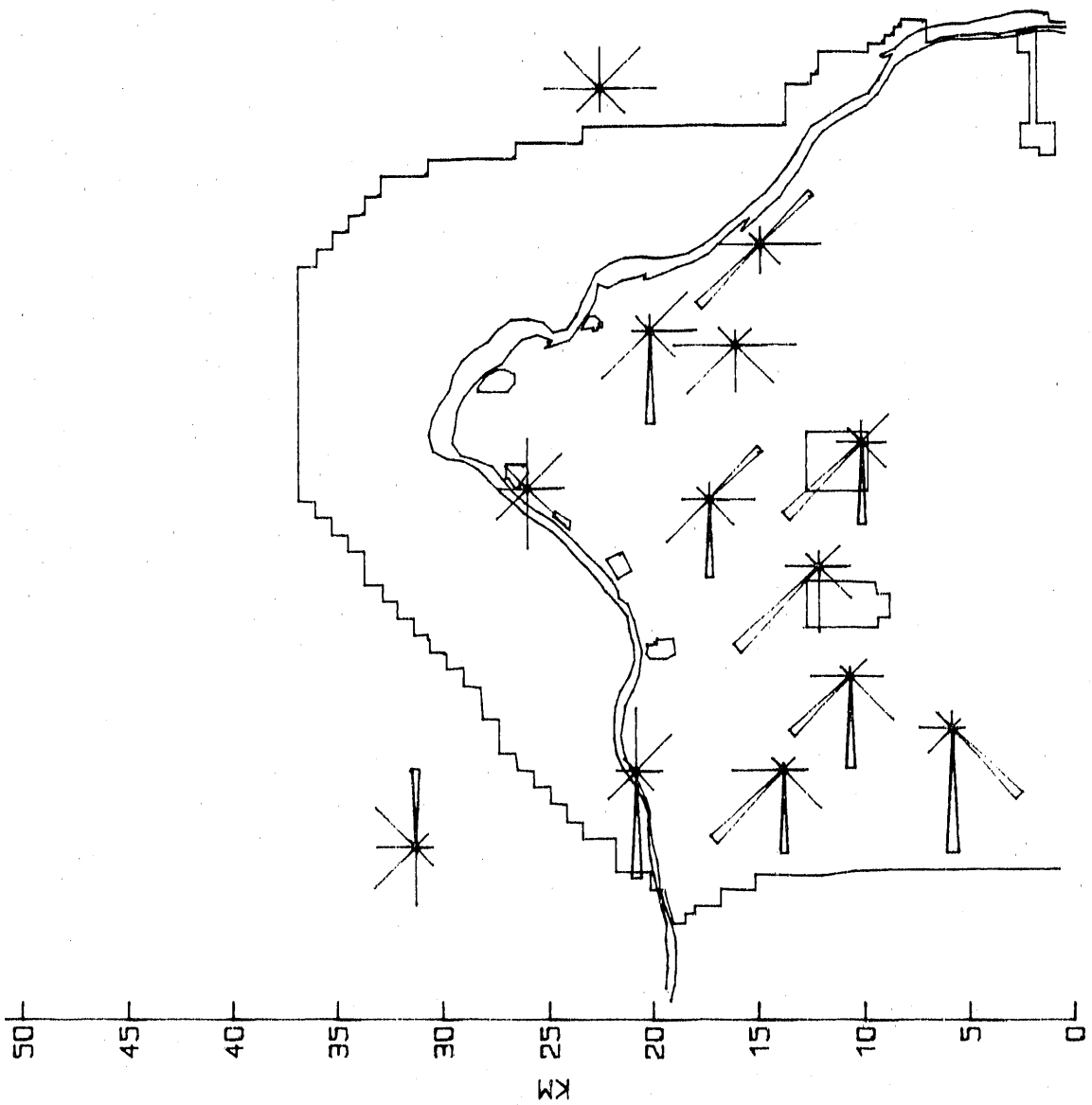
FIGURE 5.9. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Winter Season--0500 and 0600 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)



WINTER

7:00
AND
8:00



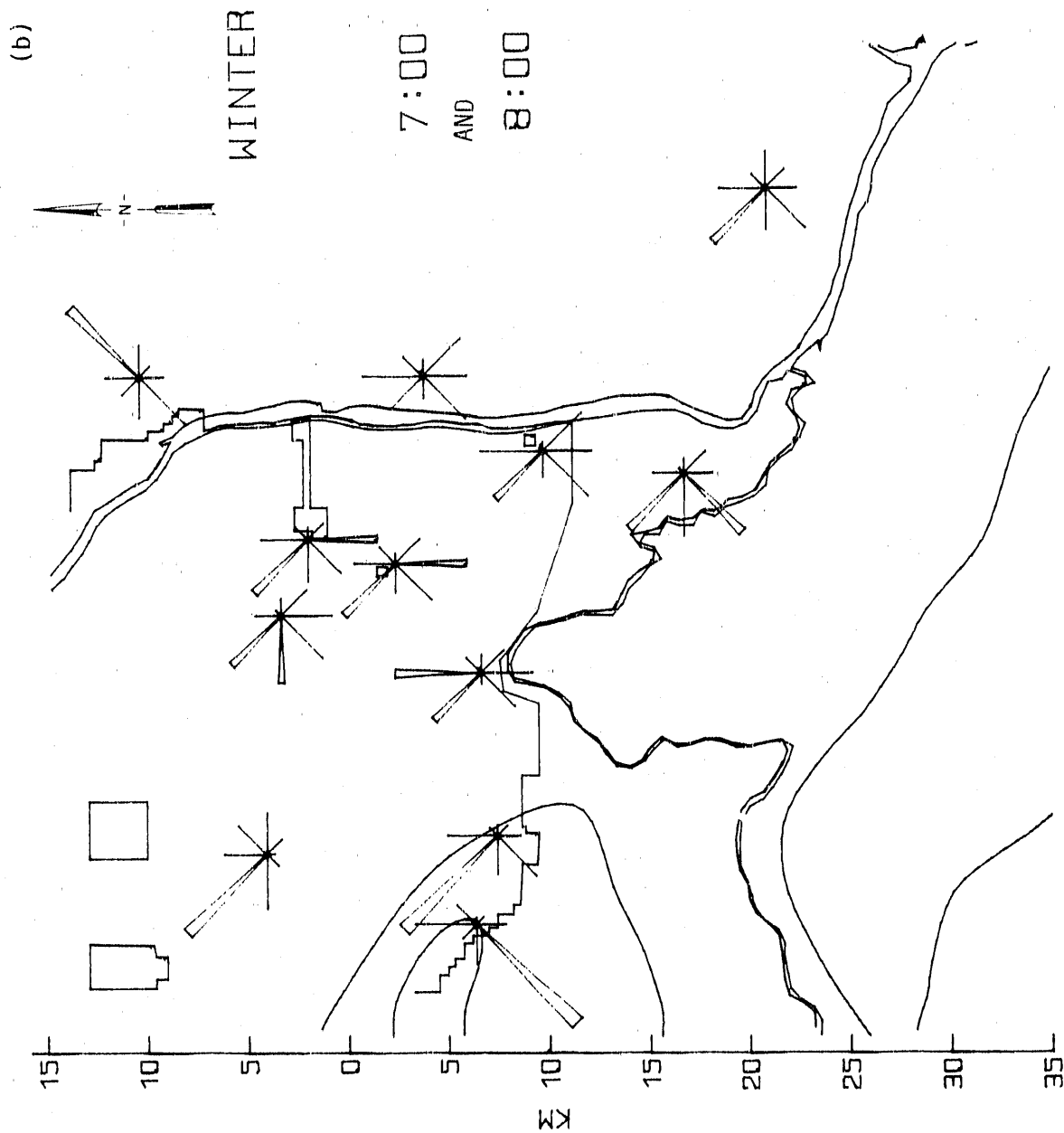
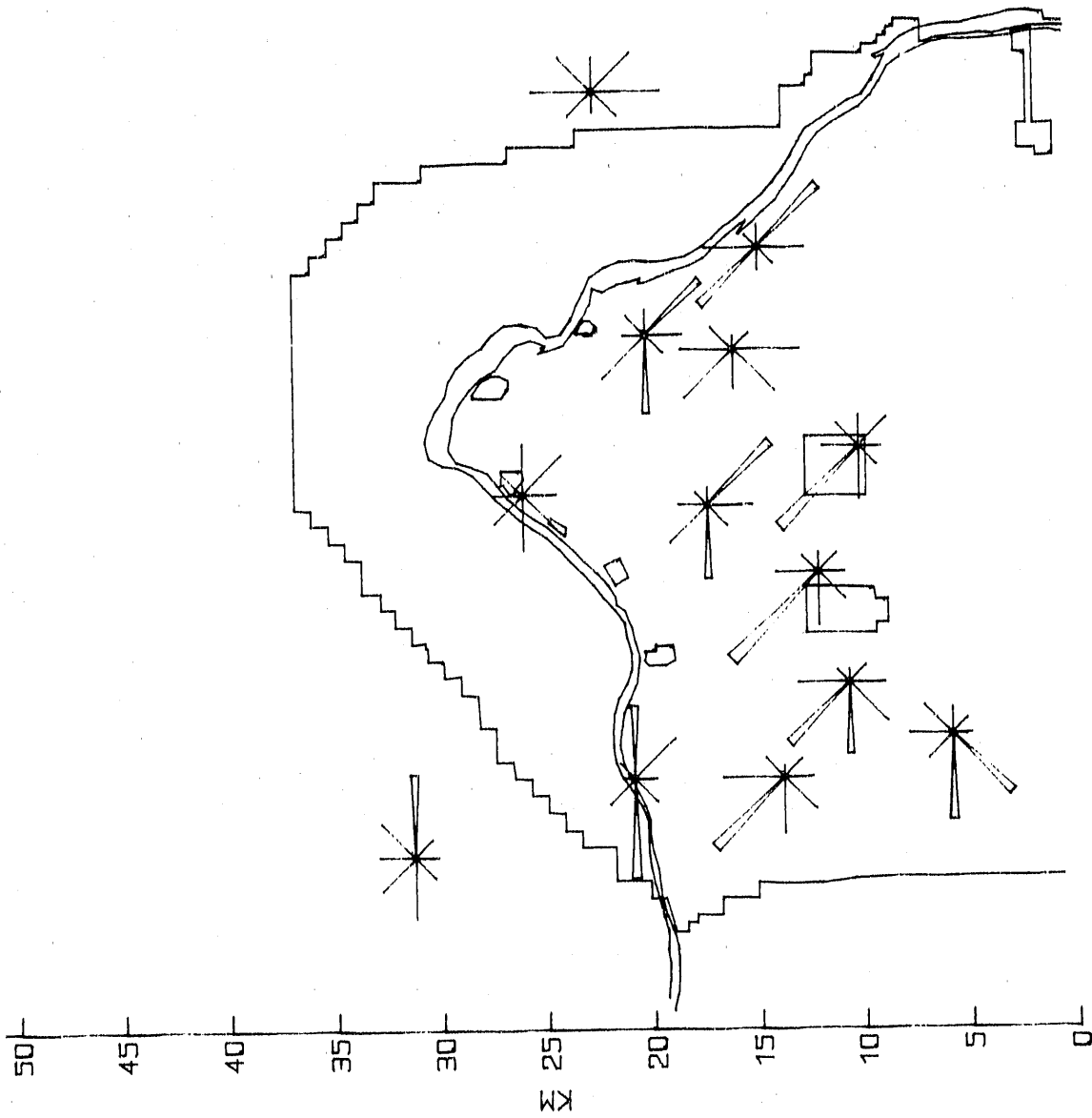
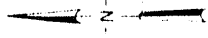


FIGURE 5.10. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Winter Season--0700 and 0800 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

WINTER

9:00
AND
10:00



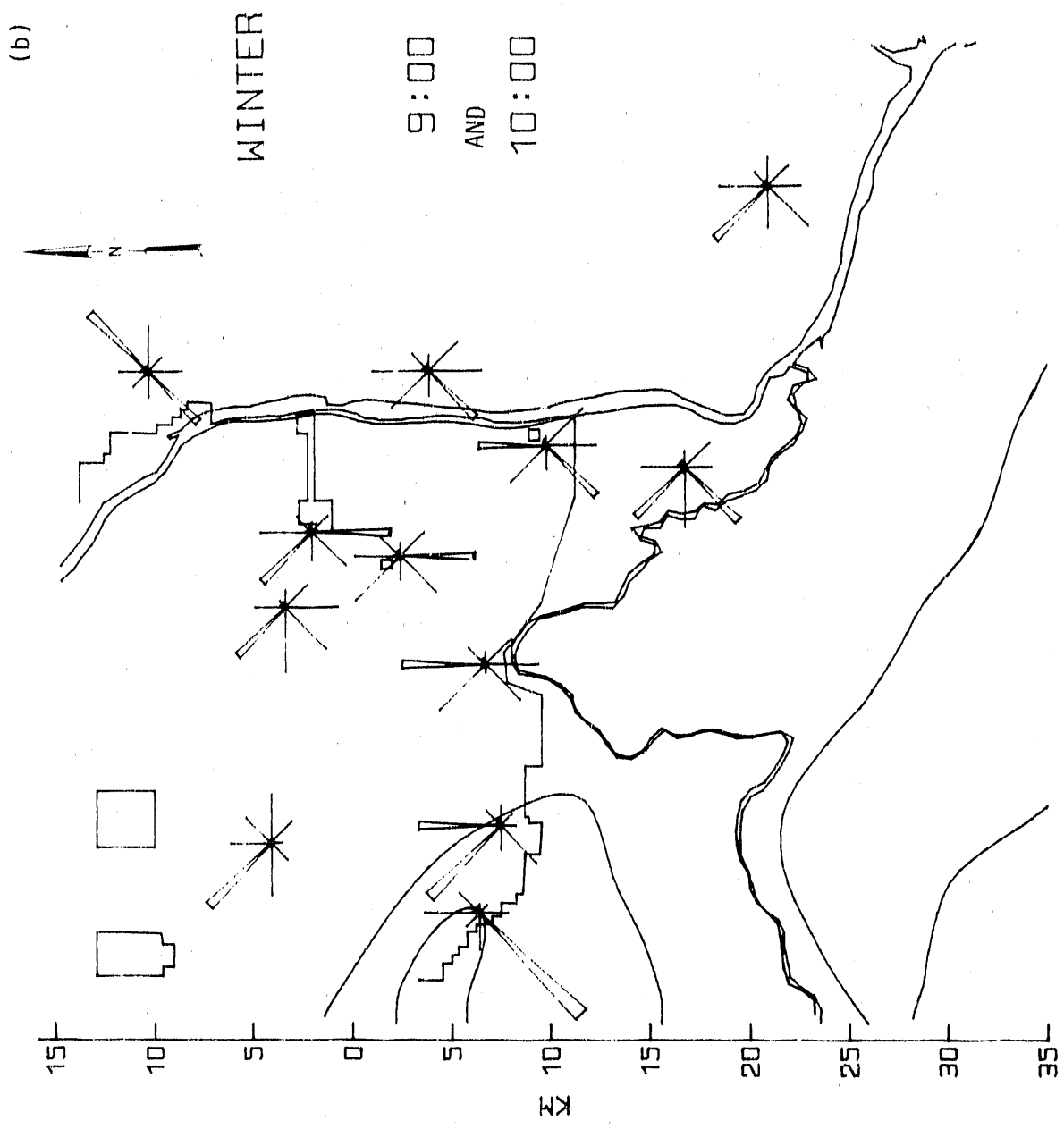


FIGURE 5.11. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Winter Season--0900 and 1000 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

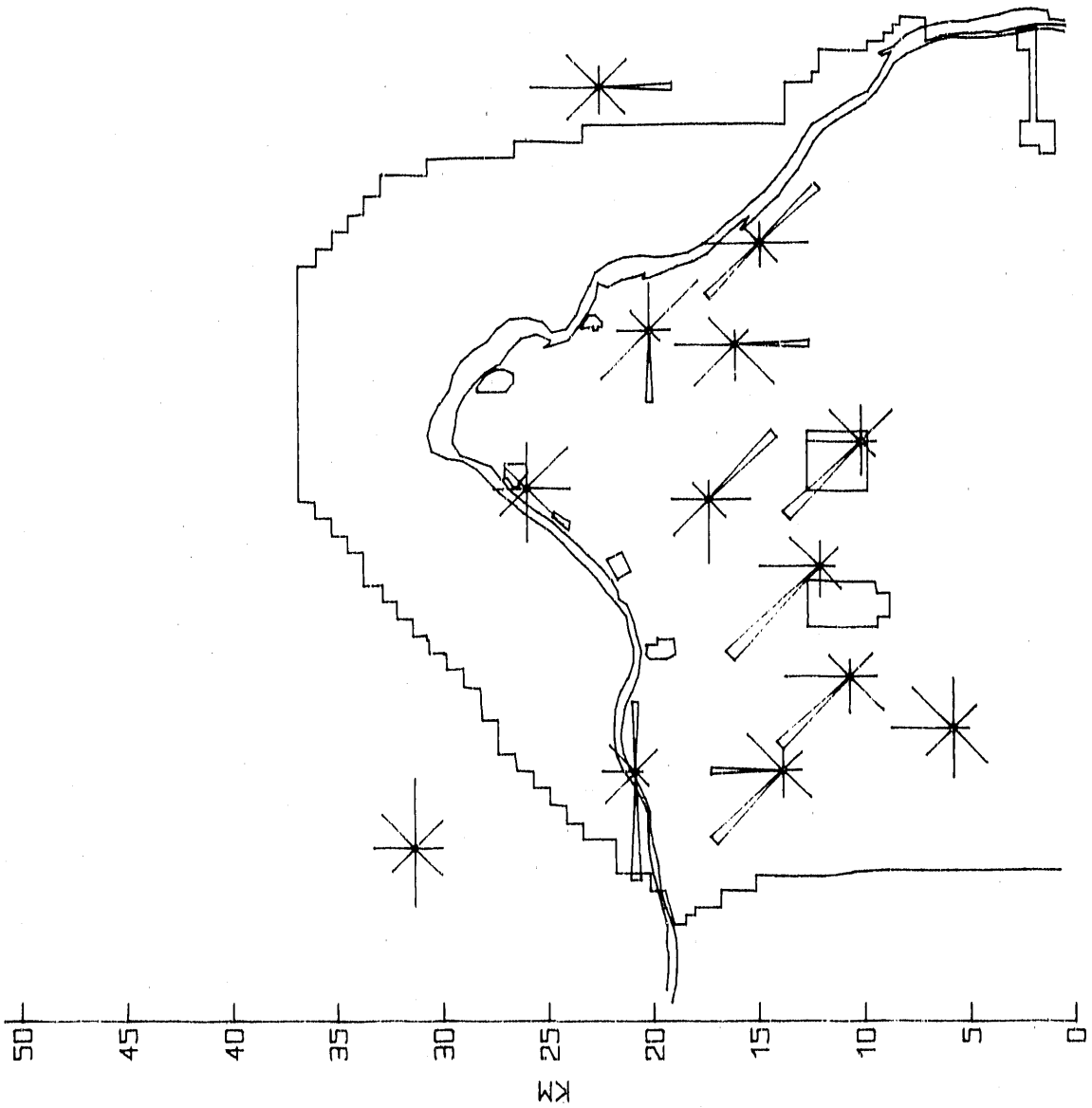
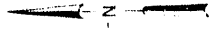
(a)

WINTER

11:00

AND

12:00



5.96

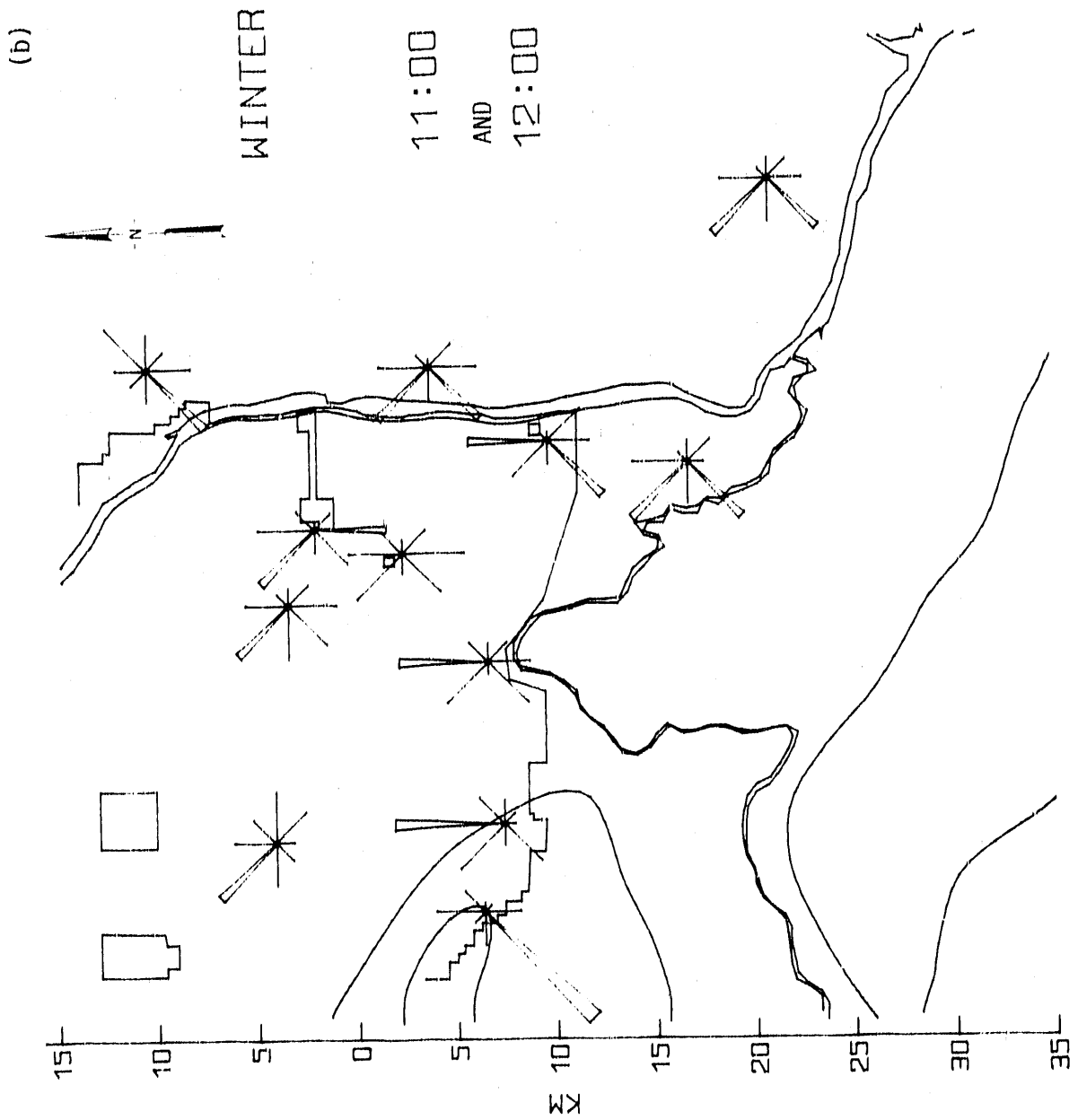
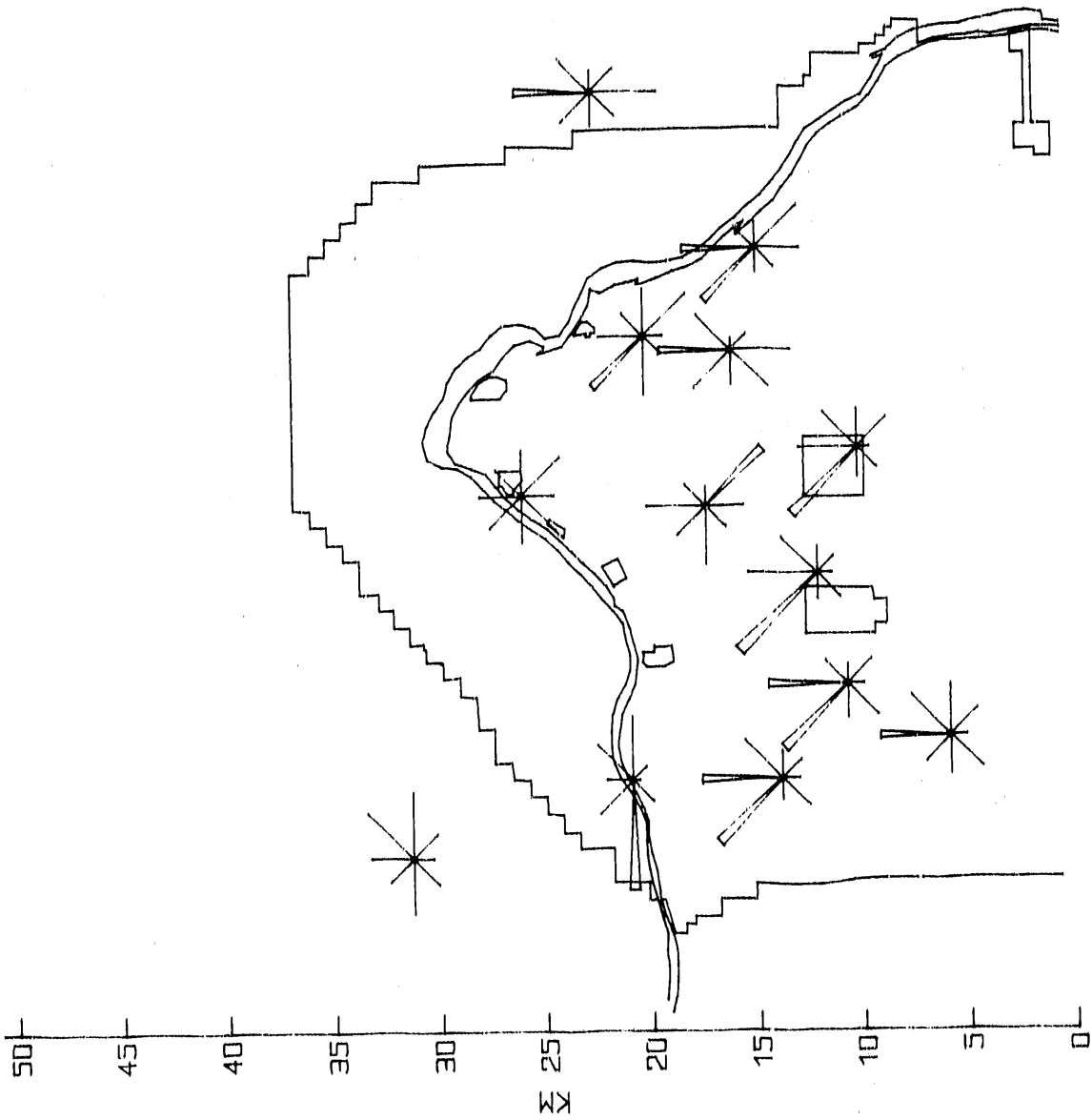


FIGURE 5.12. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Winter Season--1100 and 1200 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

WINTER

13:00
AND
14:00



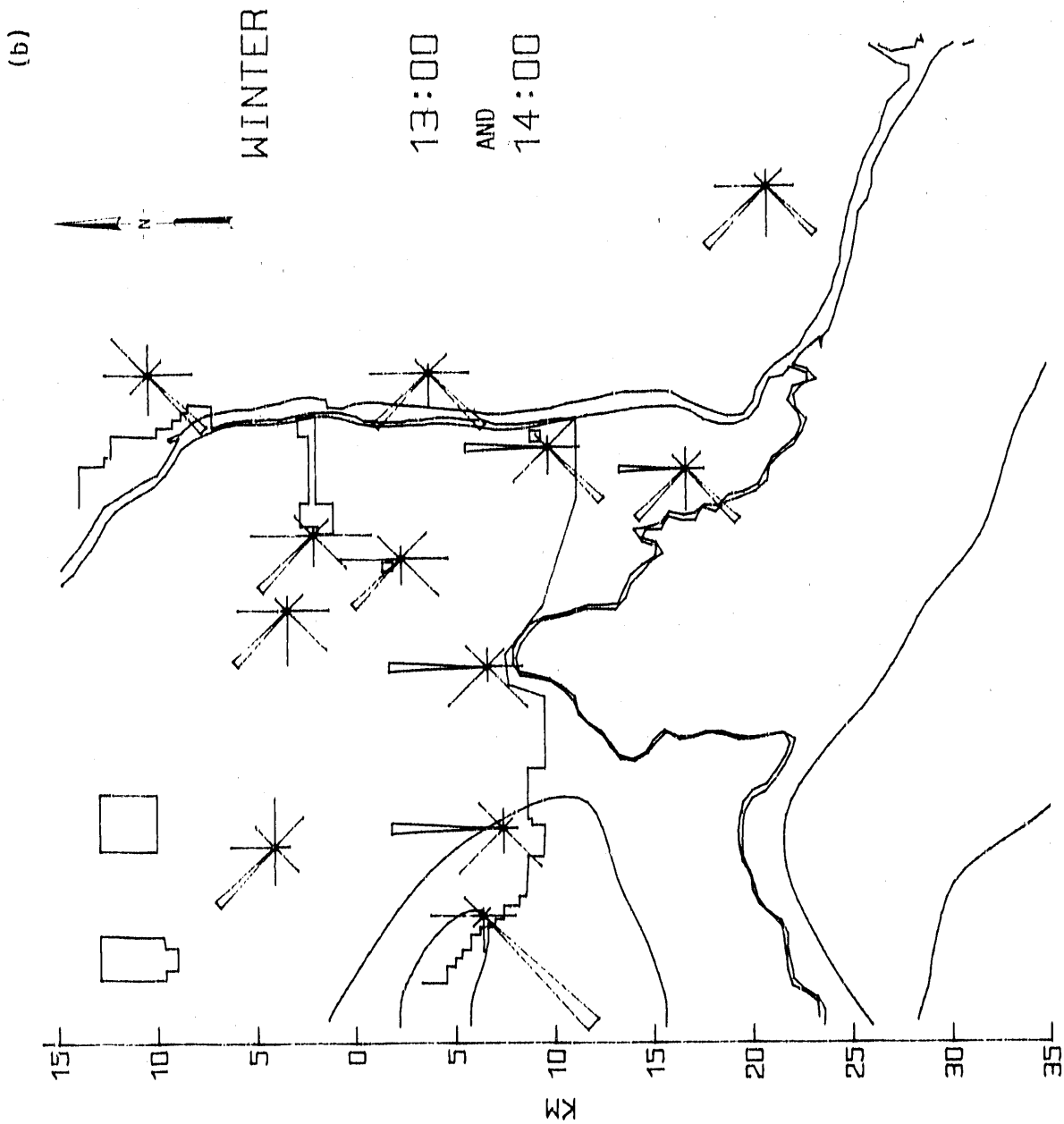
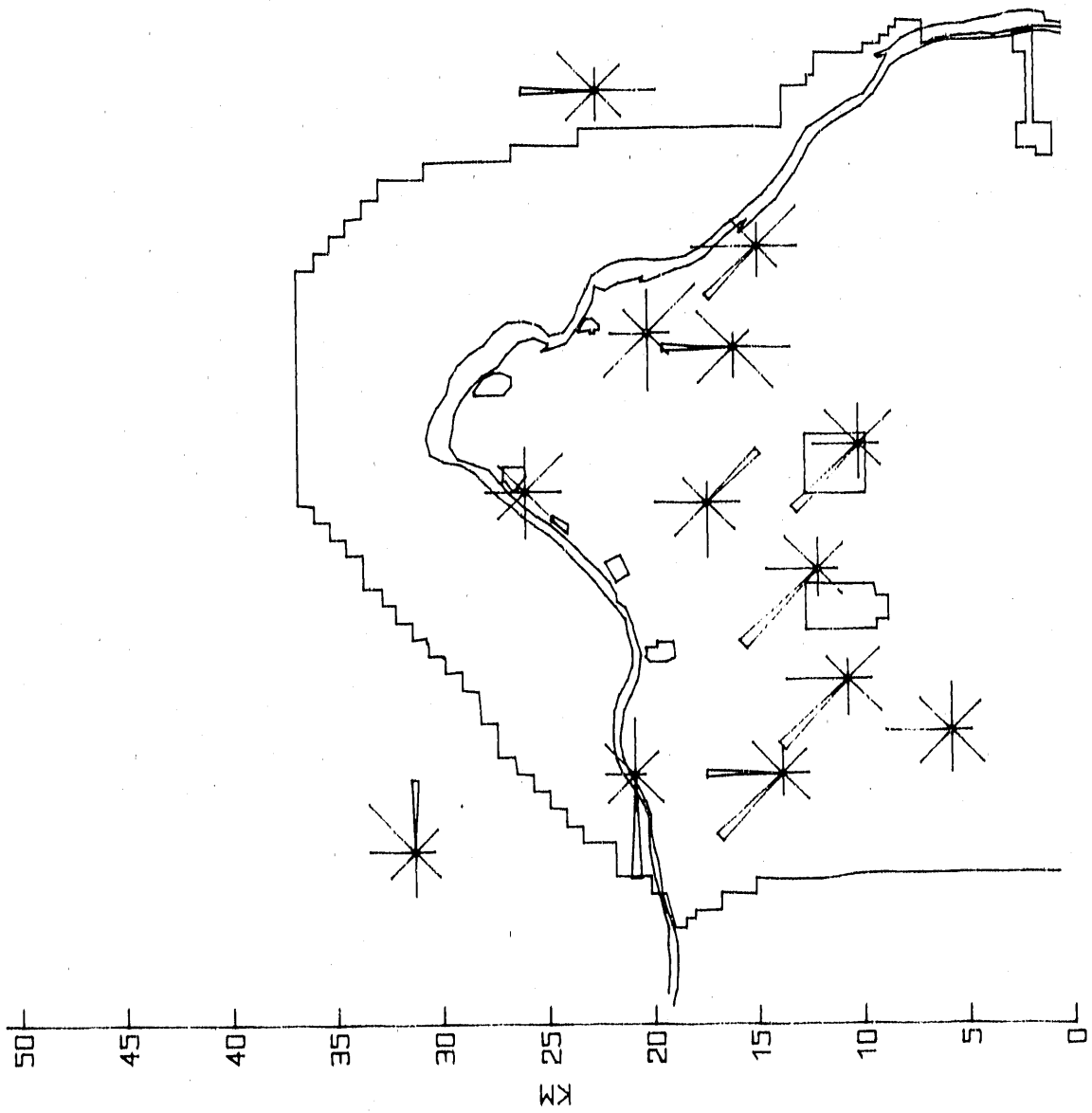
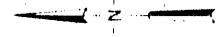


FIGURE 5.13. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Winter Season--1300 and 1400 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

WINTER

15:00
AND
16:00



5.100

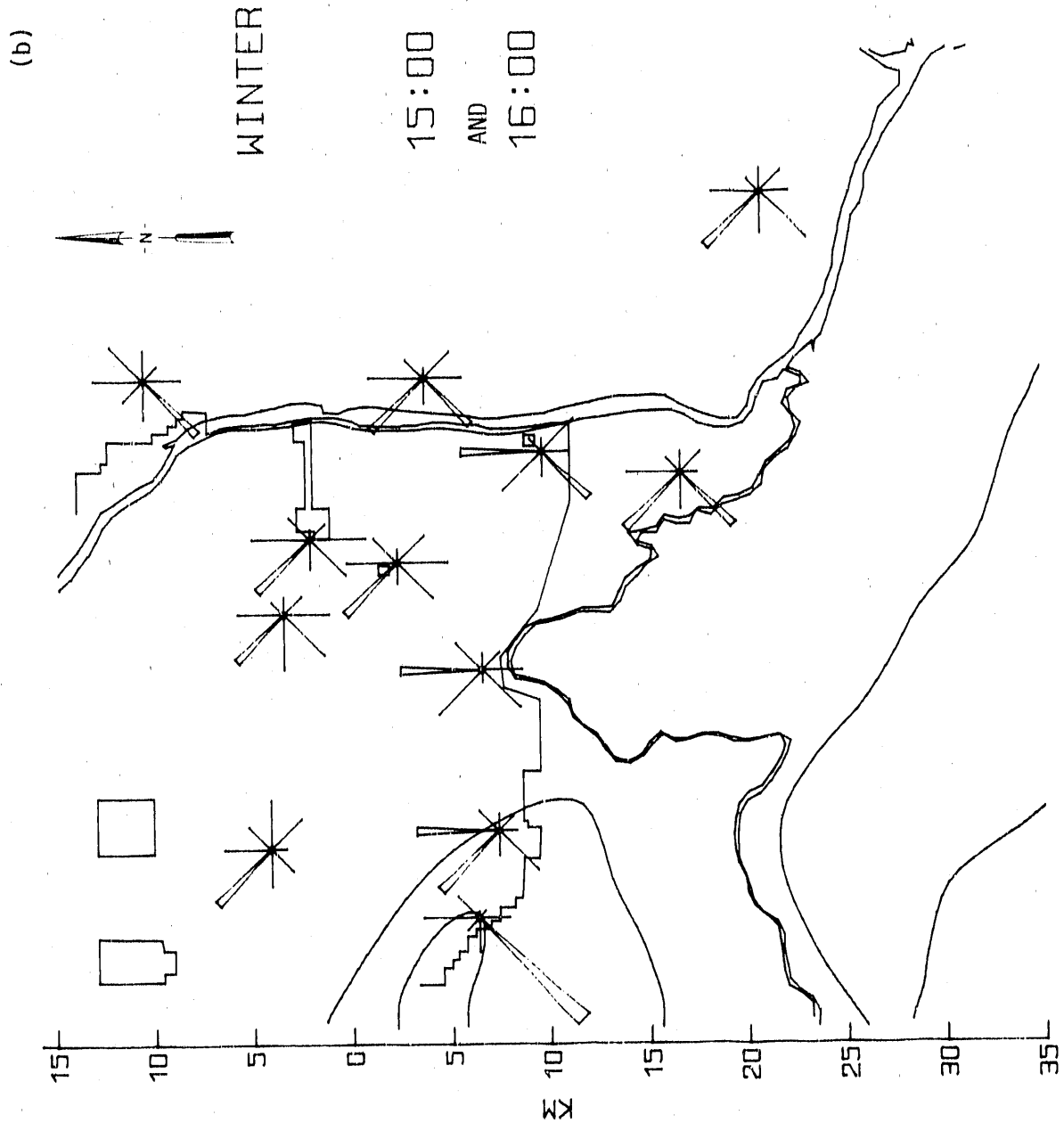
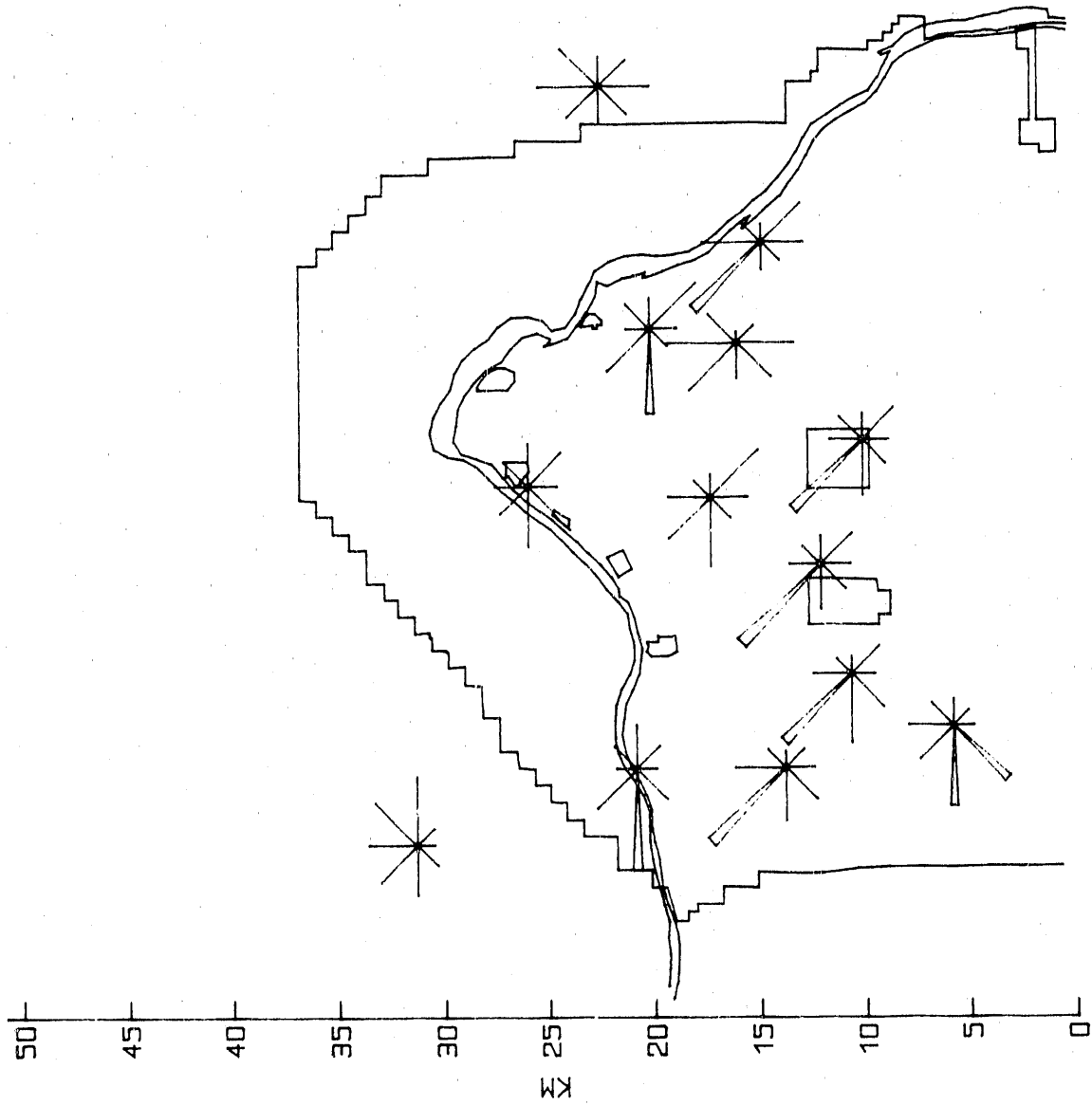
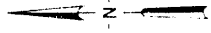


FIGURE 5.14. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Winter Season--1500 and 1600 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

WINTER

17:00
AND
18:00



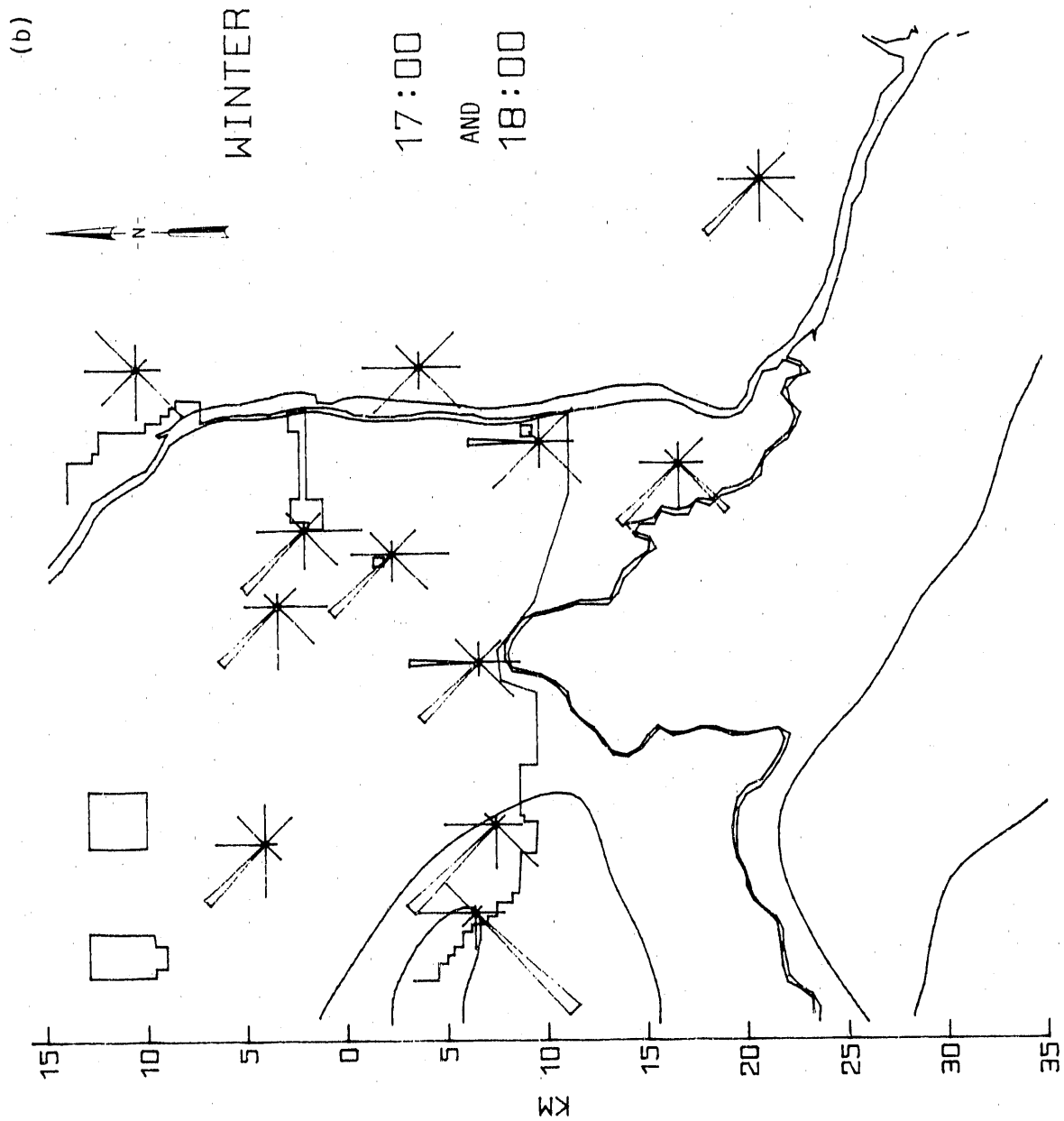
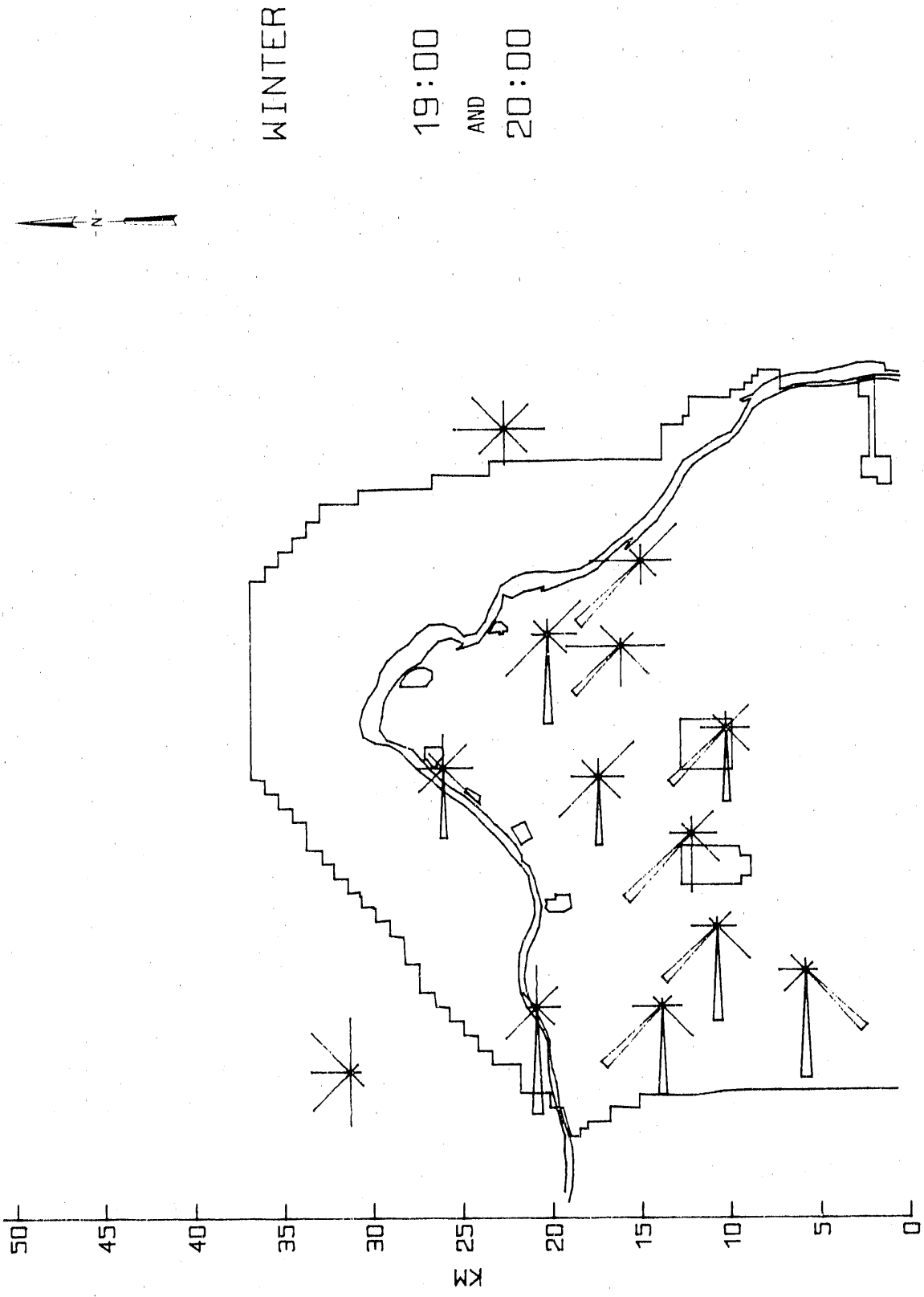


FIGURE 5.15. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Winter Season--1700 and 1800 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)



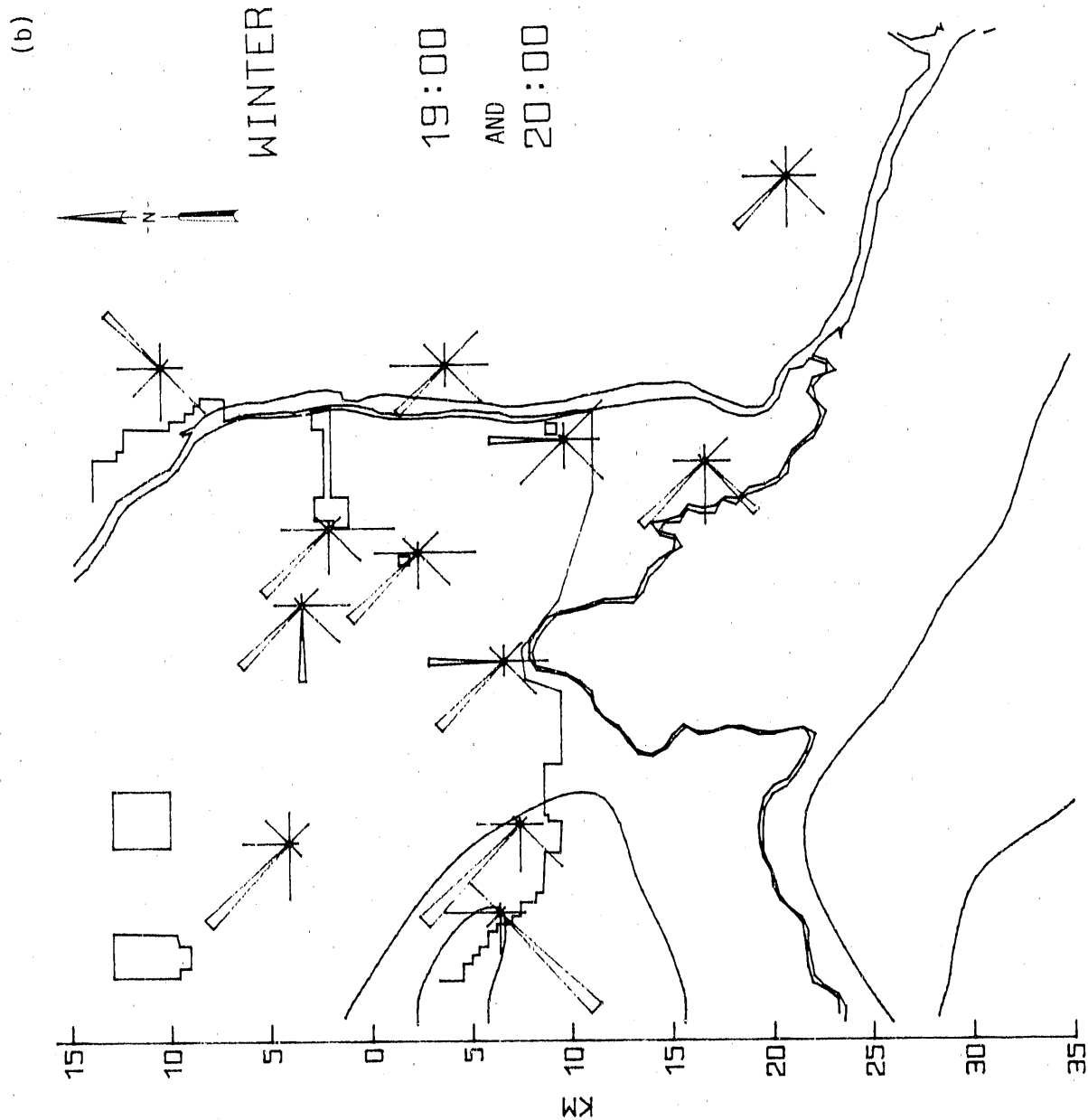
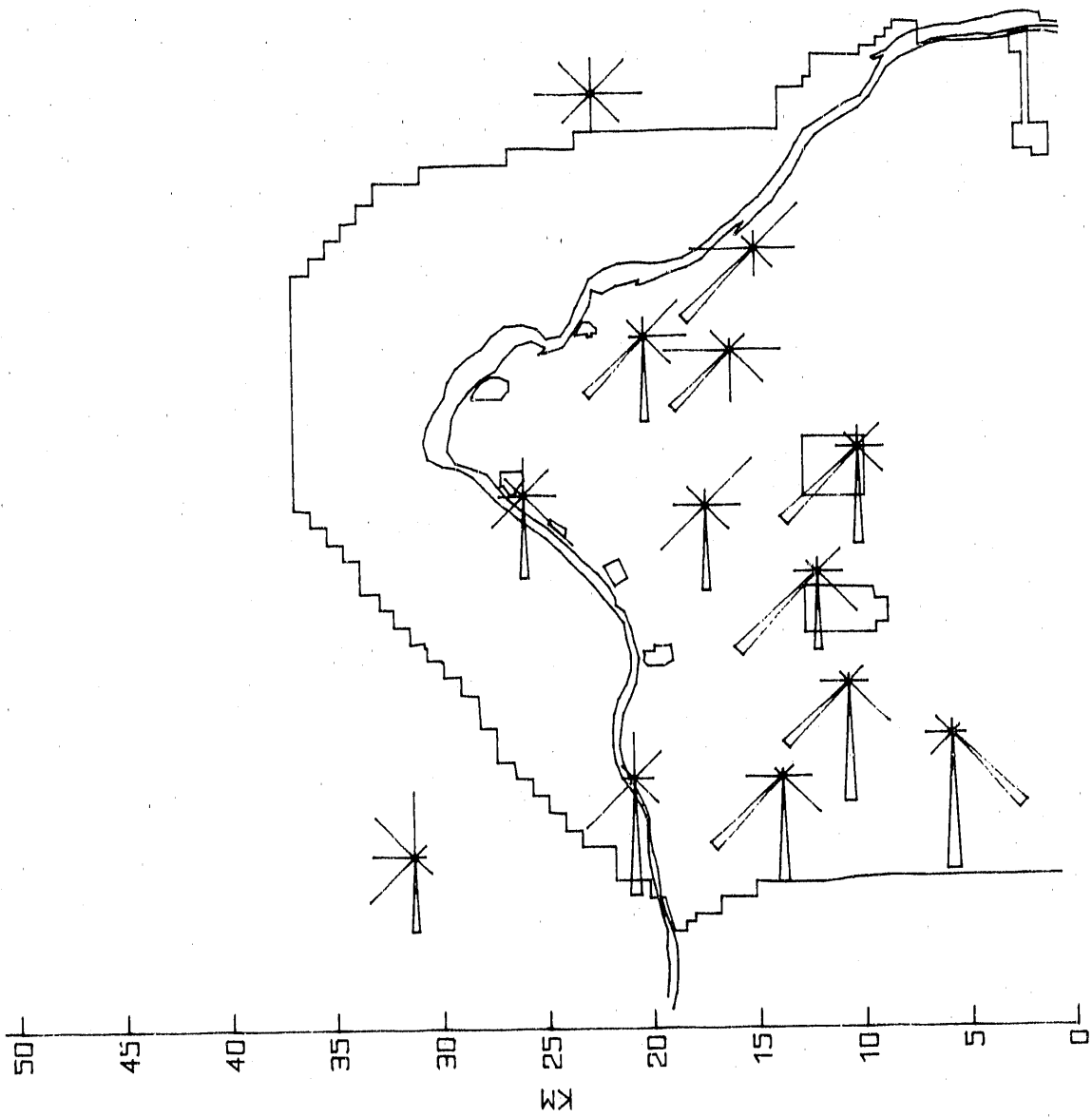
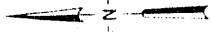


FIGURE 5.16. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Winter Season--1900 and 2000 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

WINTER

21:00
AND
22:00



5.106

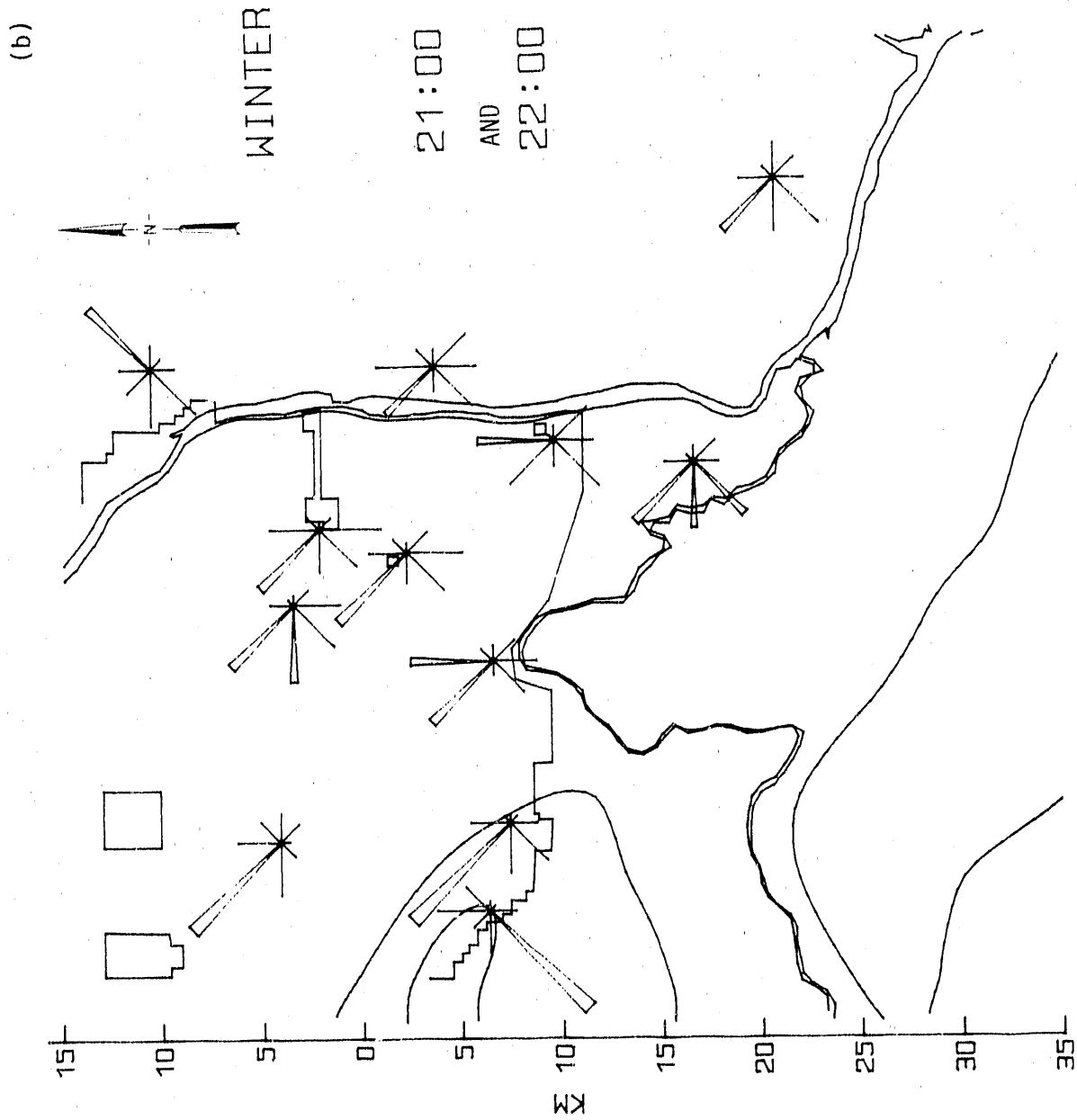
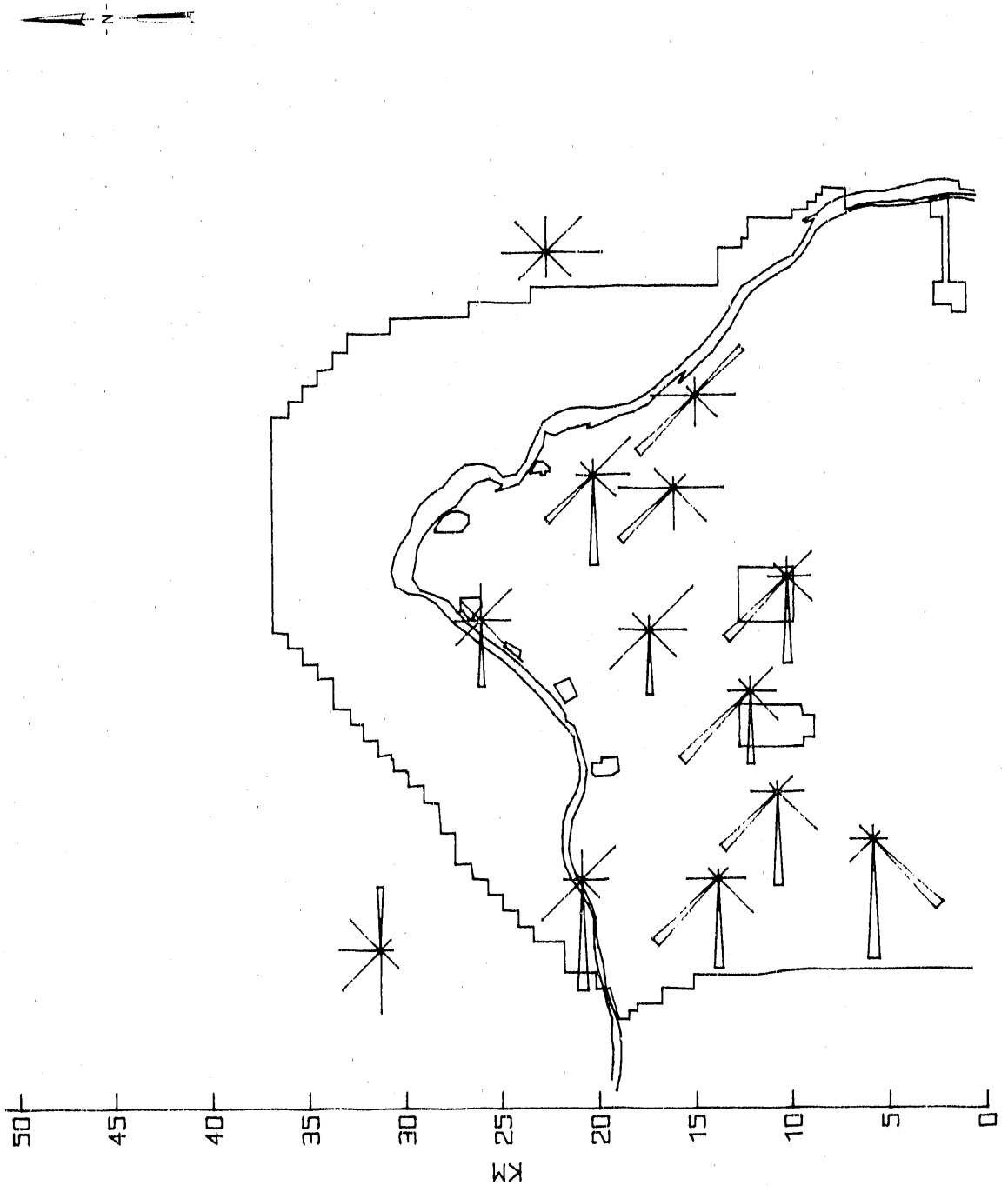


FIGURE 5.17. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Winter Season--2100 and 2200 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

WINTER

23:00
AND
24:00



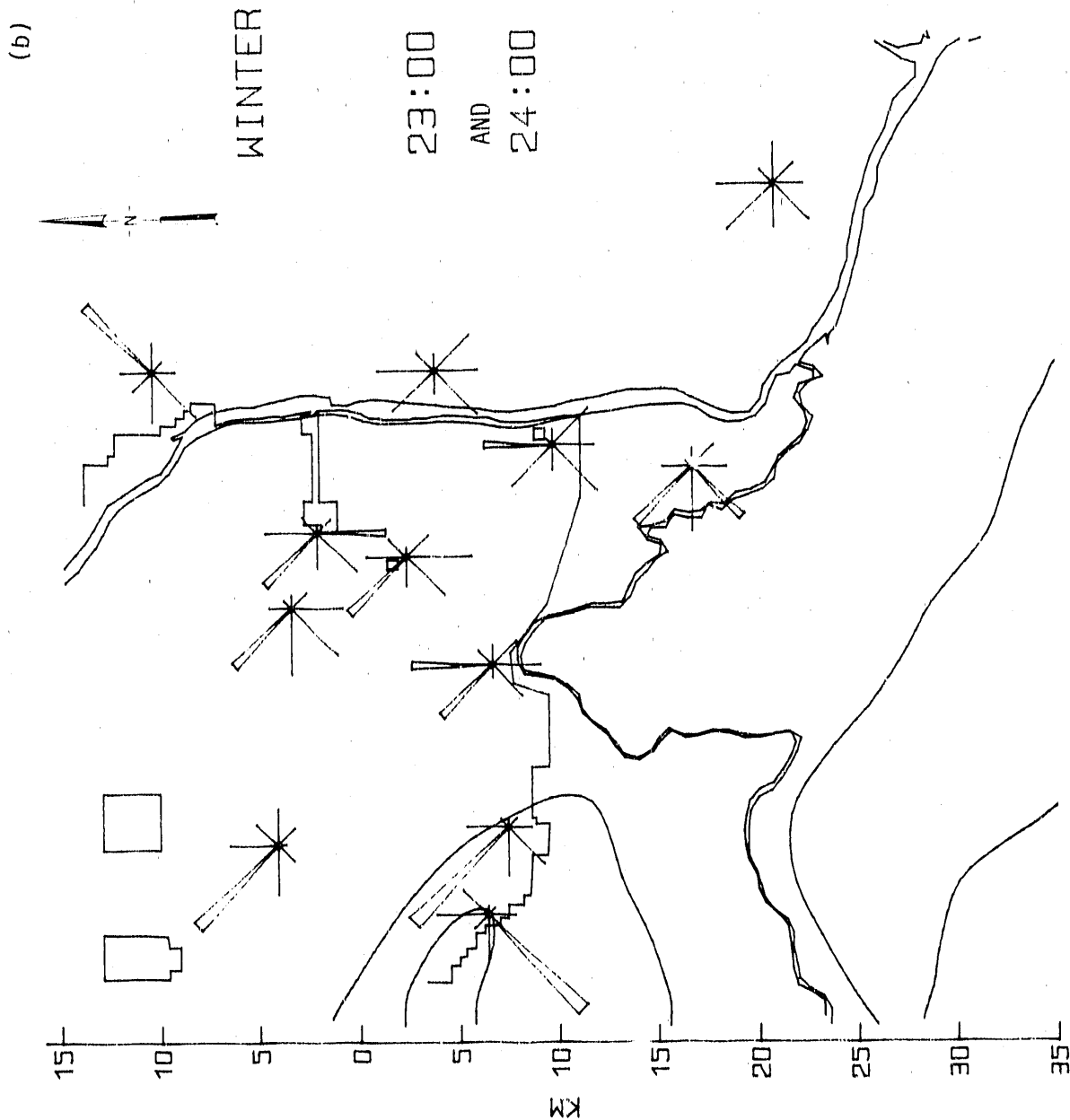
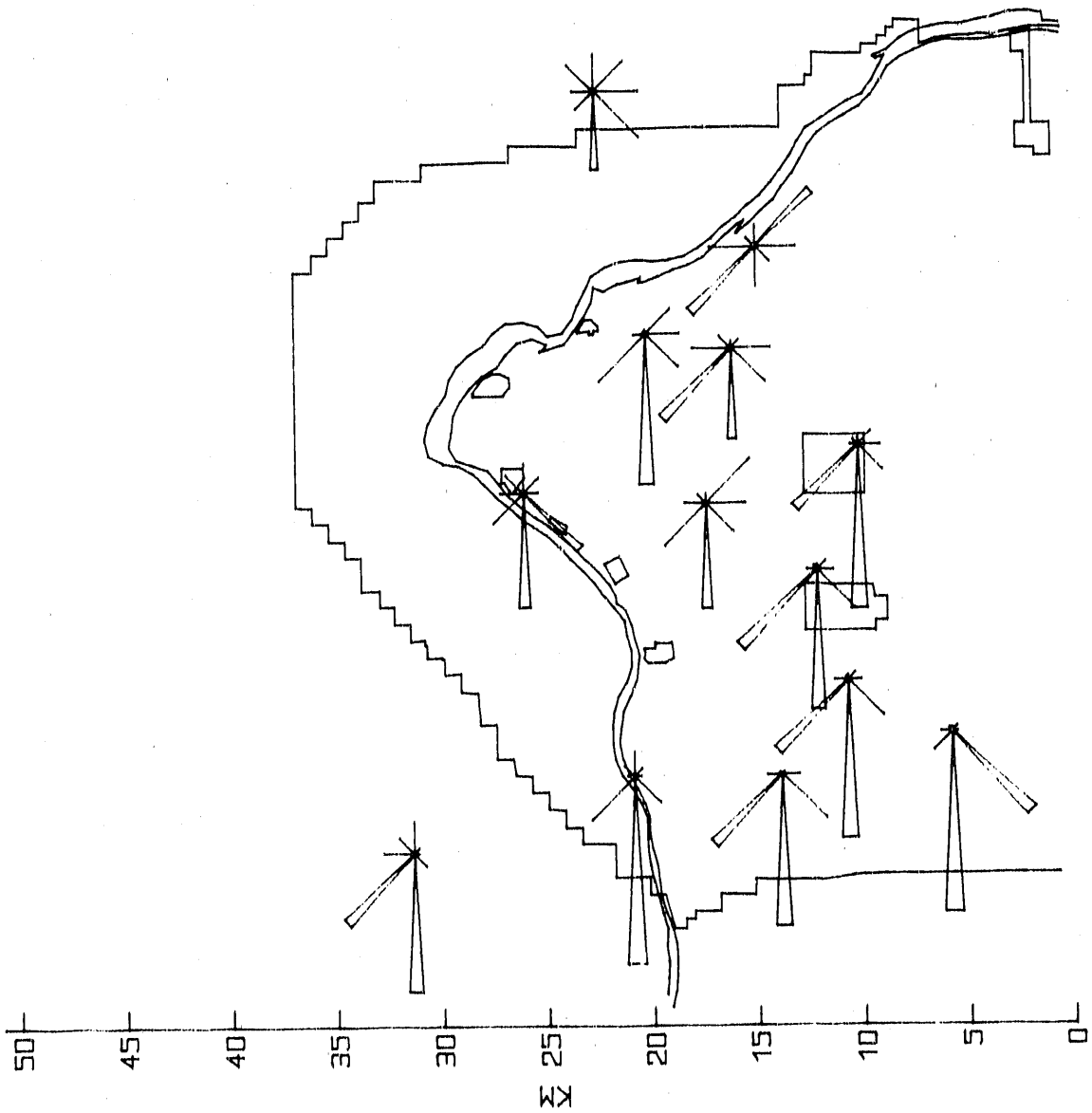
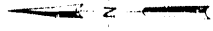


FIGURE 5.18. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Winter Season--2300 and 2400 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

SPRING

1:00
AND
2:00



5.110

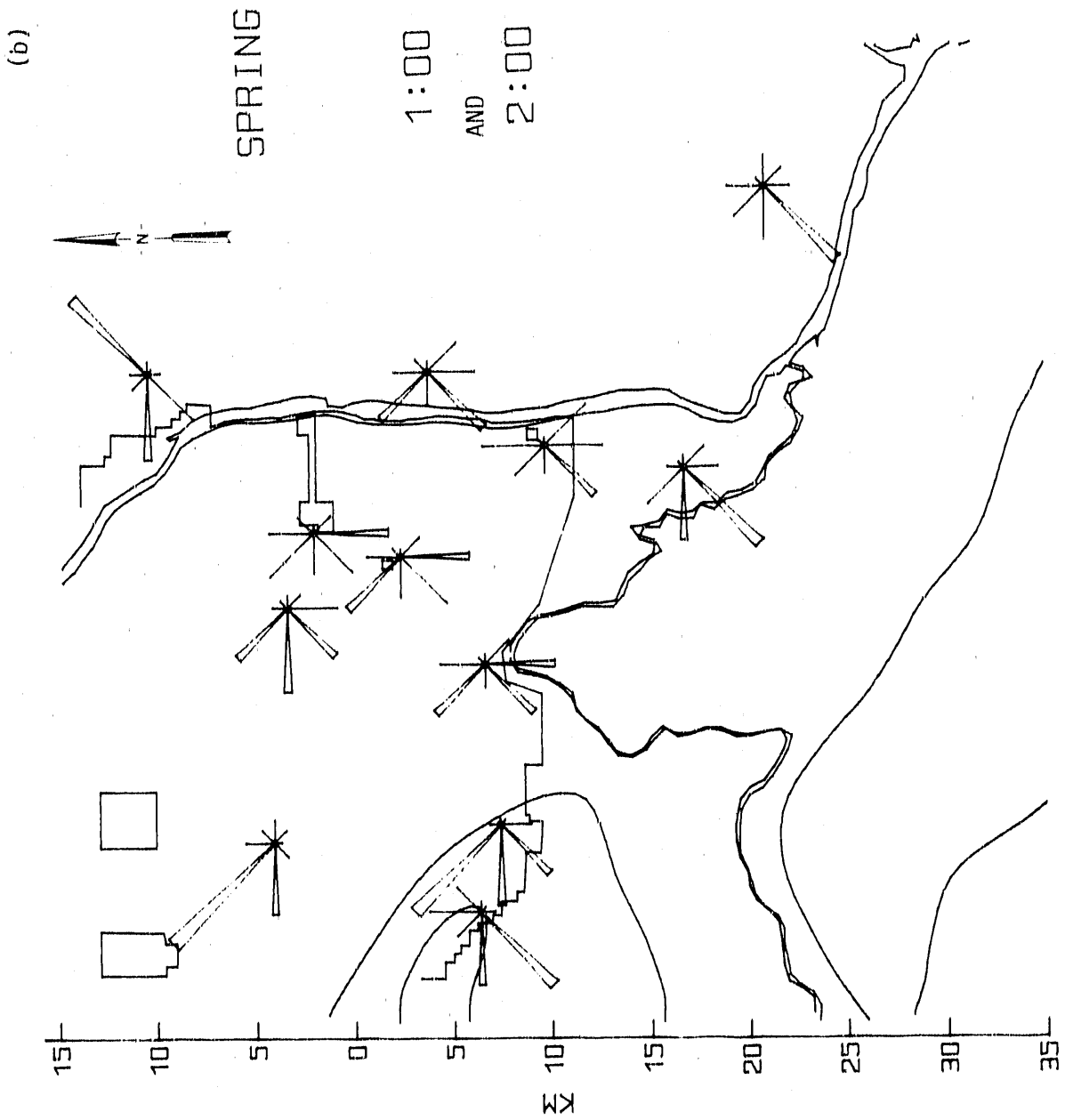


FIGURE 5.19. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--0100 and 0200 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

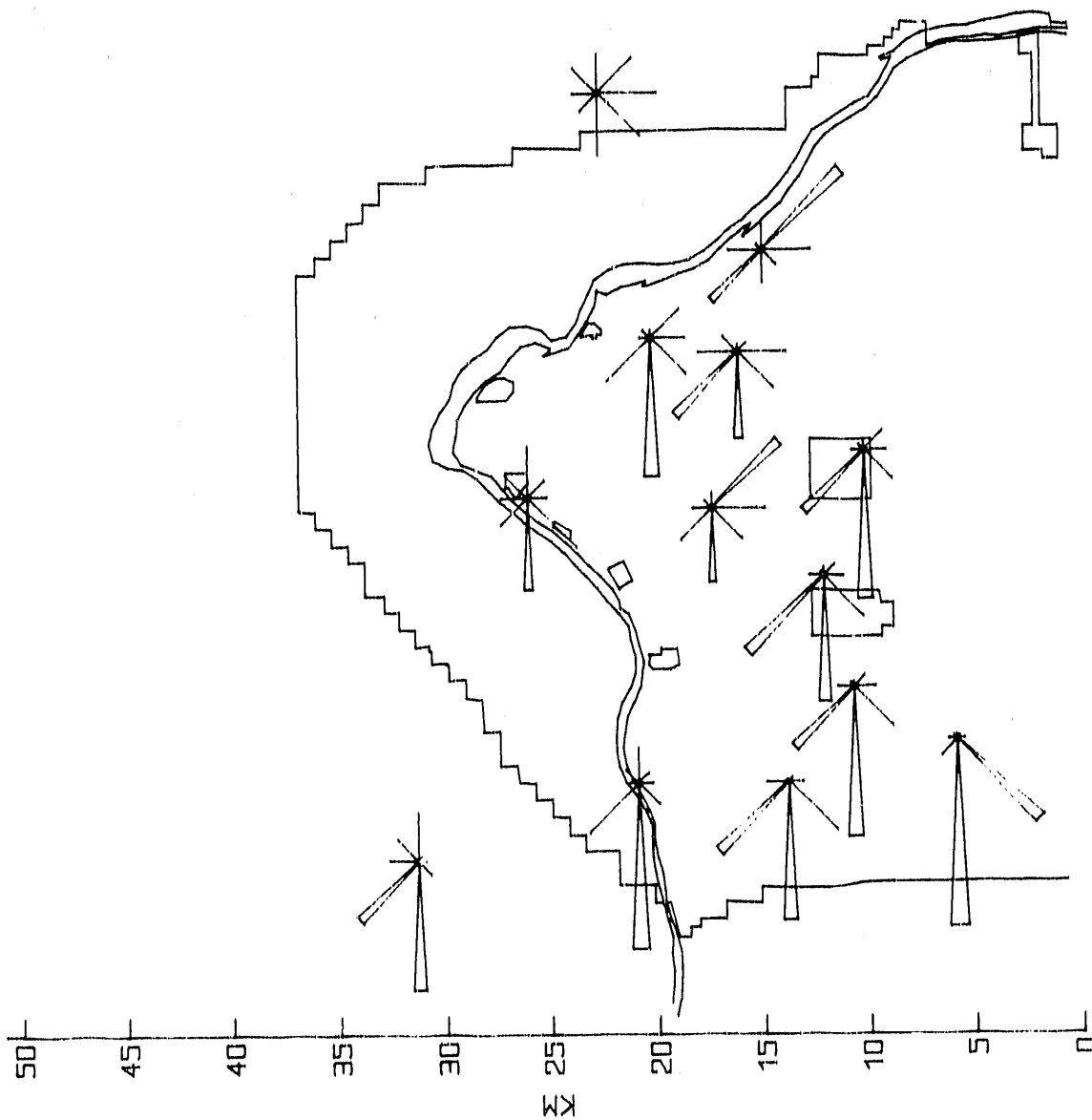
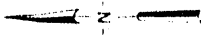
(a)

SPRING

3:00

AND

4:00



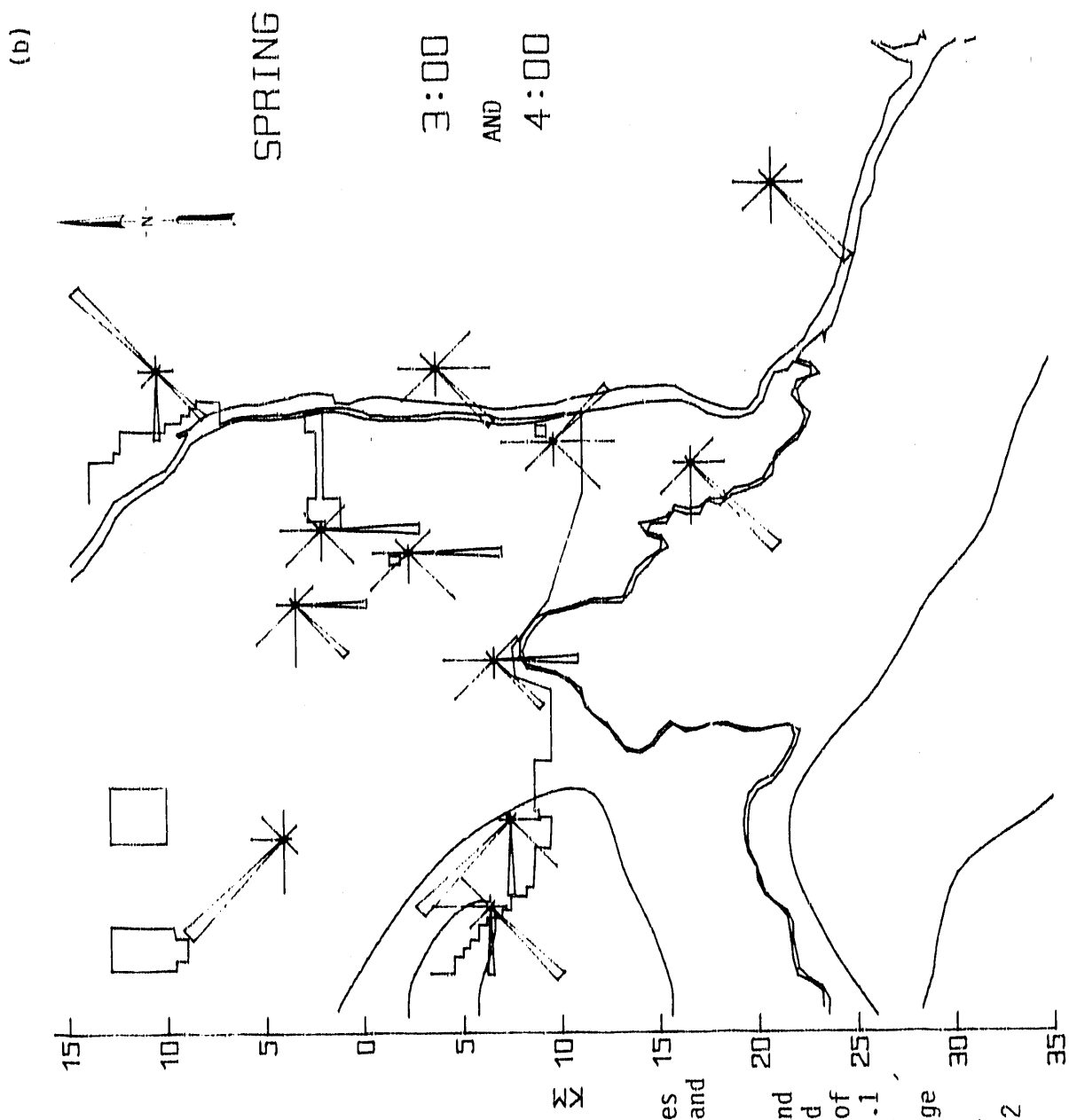
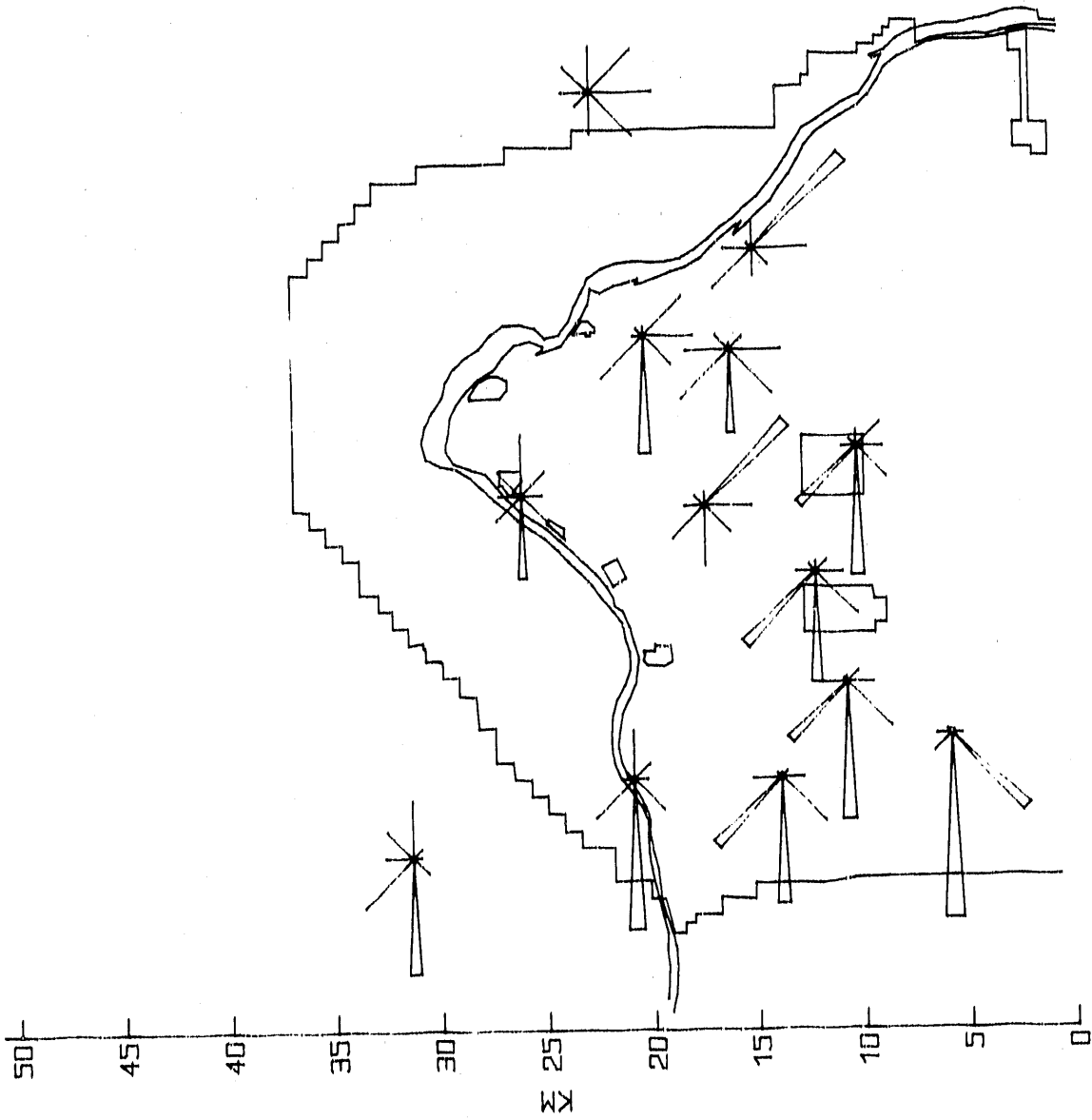
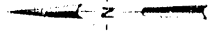


FIGURE 5.20. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--0300 and 0400 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

SPRING

5:00
AND
6:00



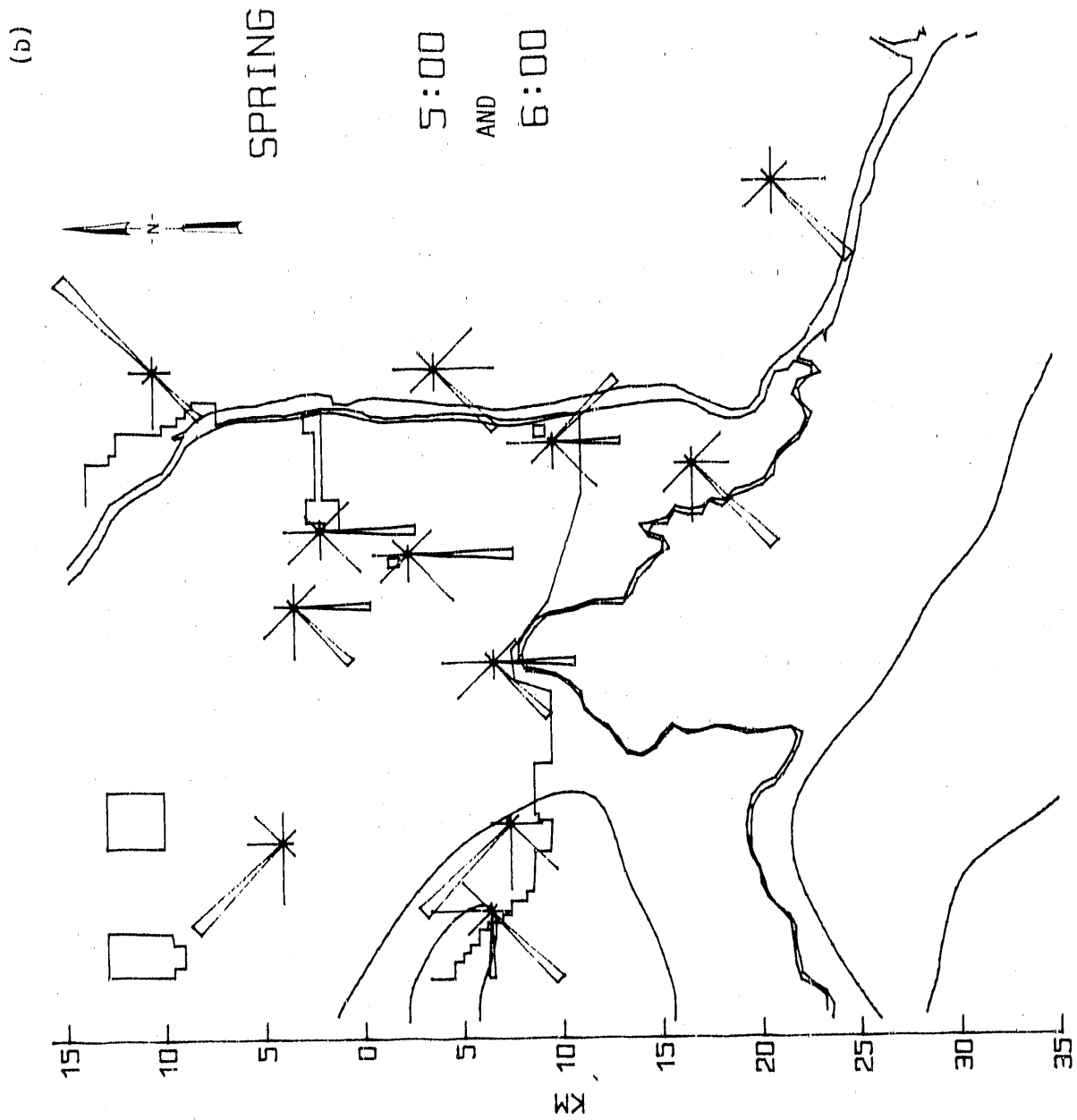


FIGURE 5.21. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--0500 and 0600 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

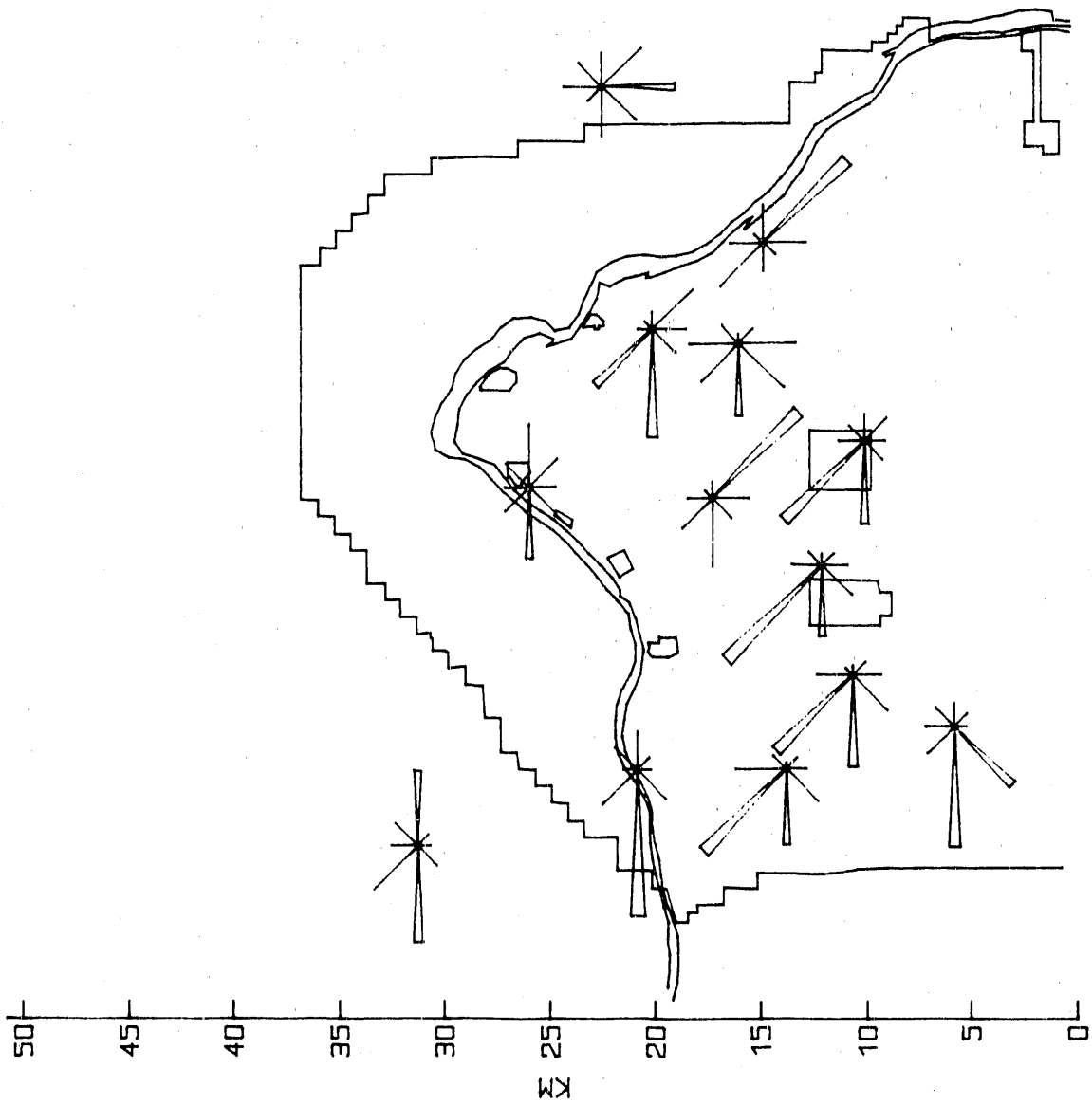
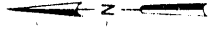
(a)

SPRING

7:00

AND

8:00



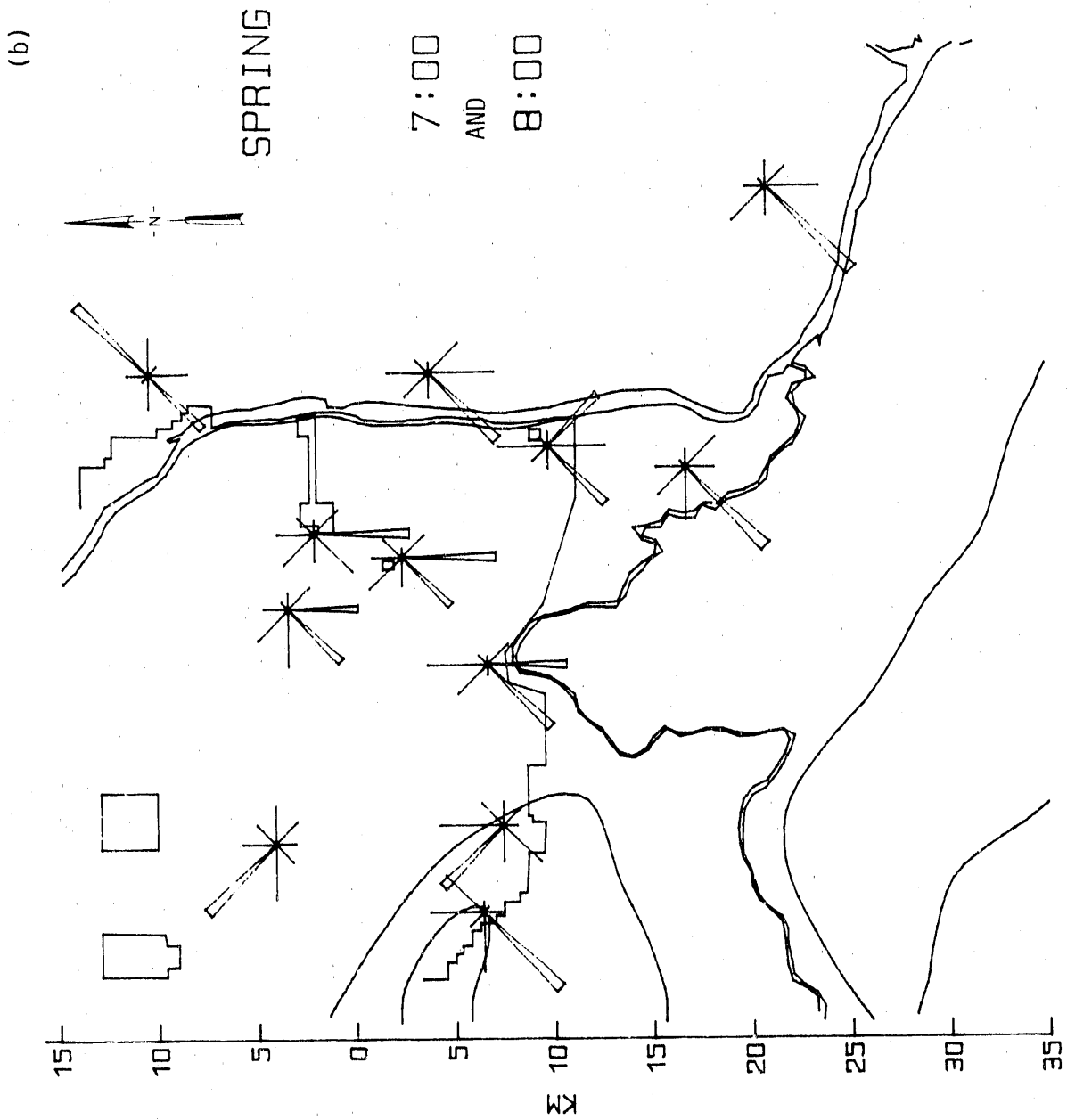


FIGURE 5.22. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--0700 and 0800 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

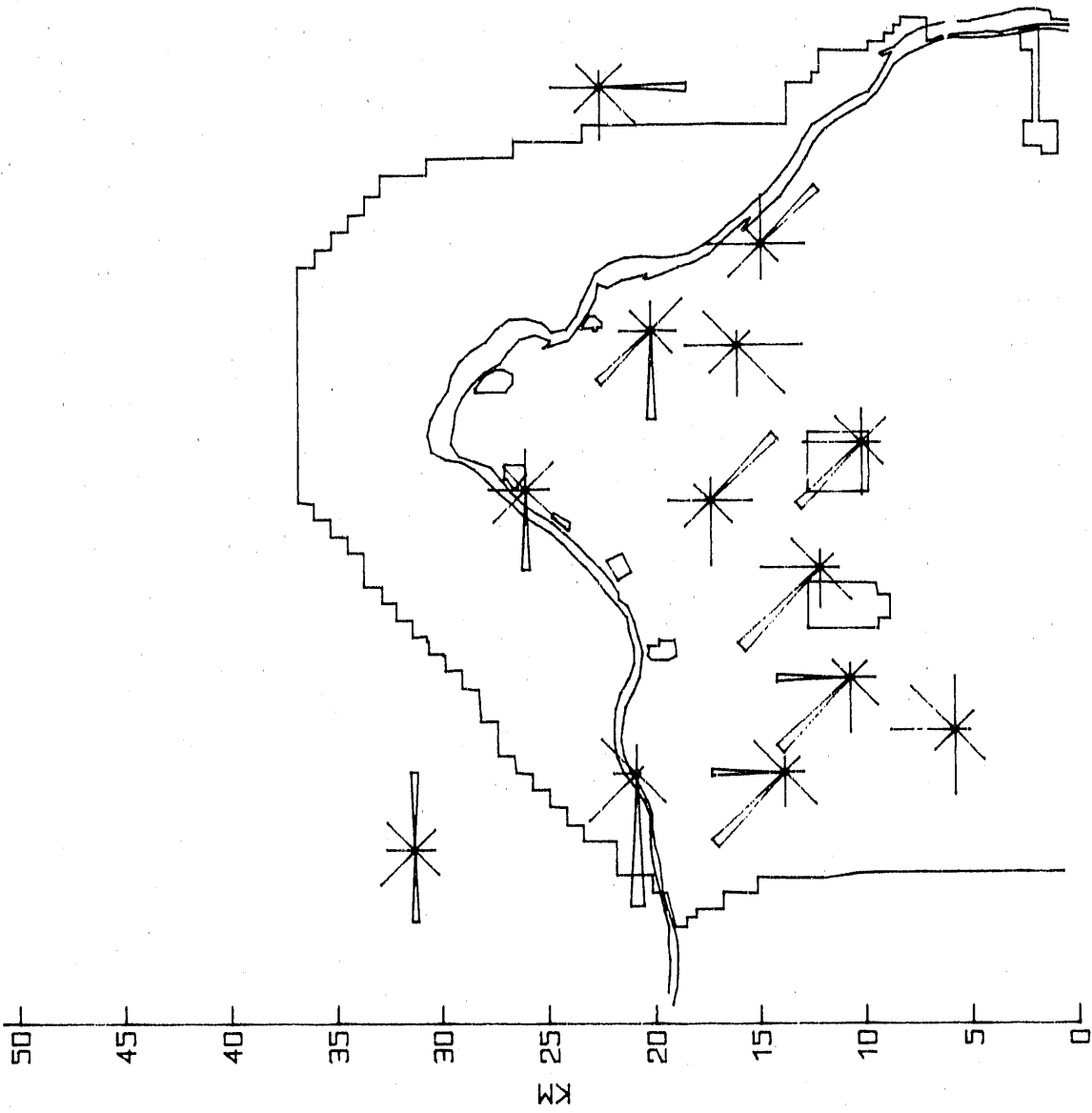
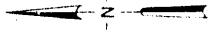
(a)

SPRING

9:00

AND

10:00



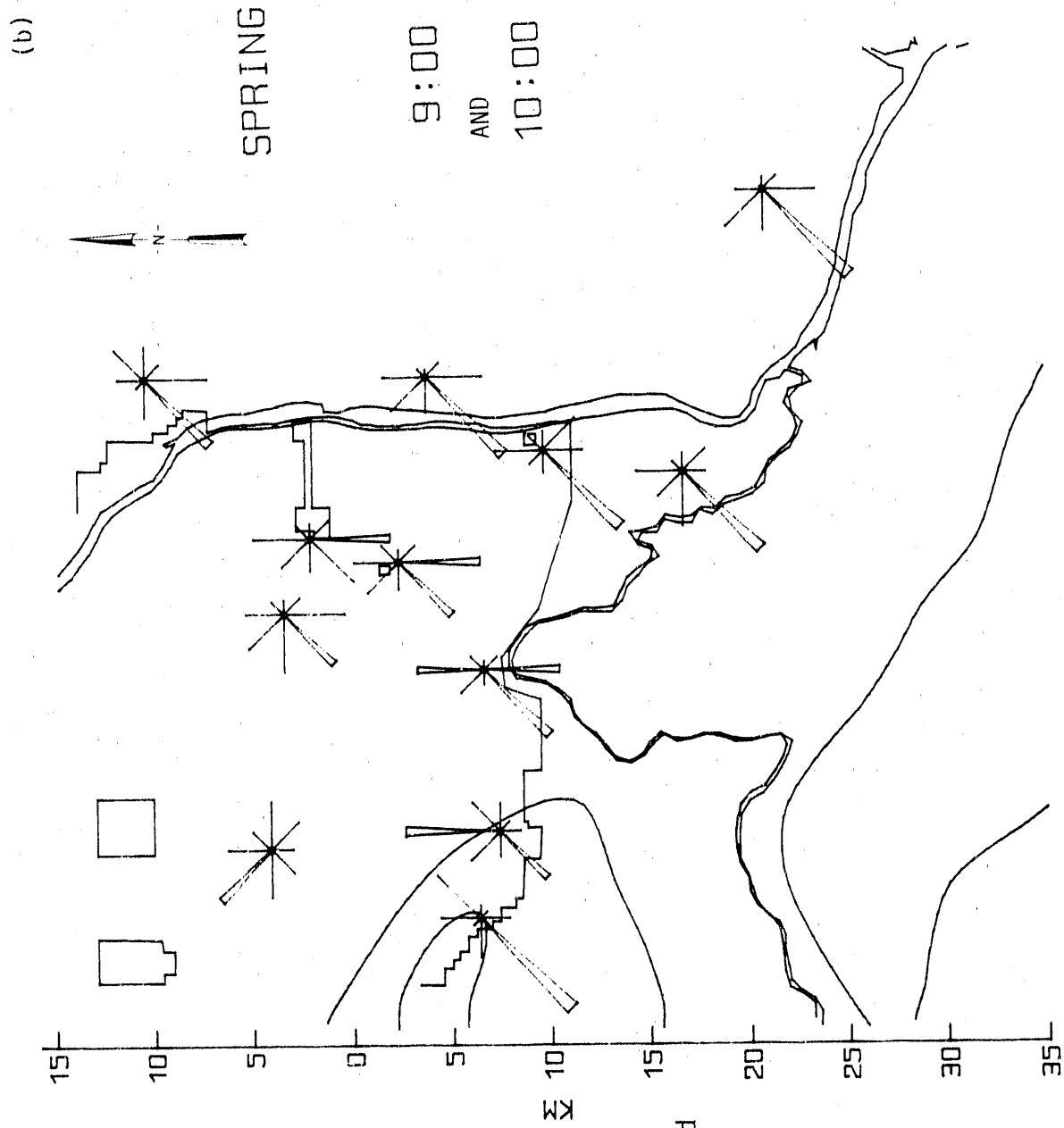
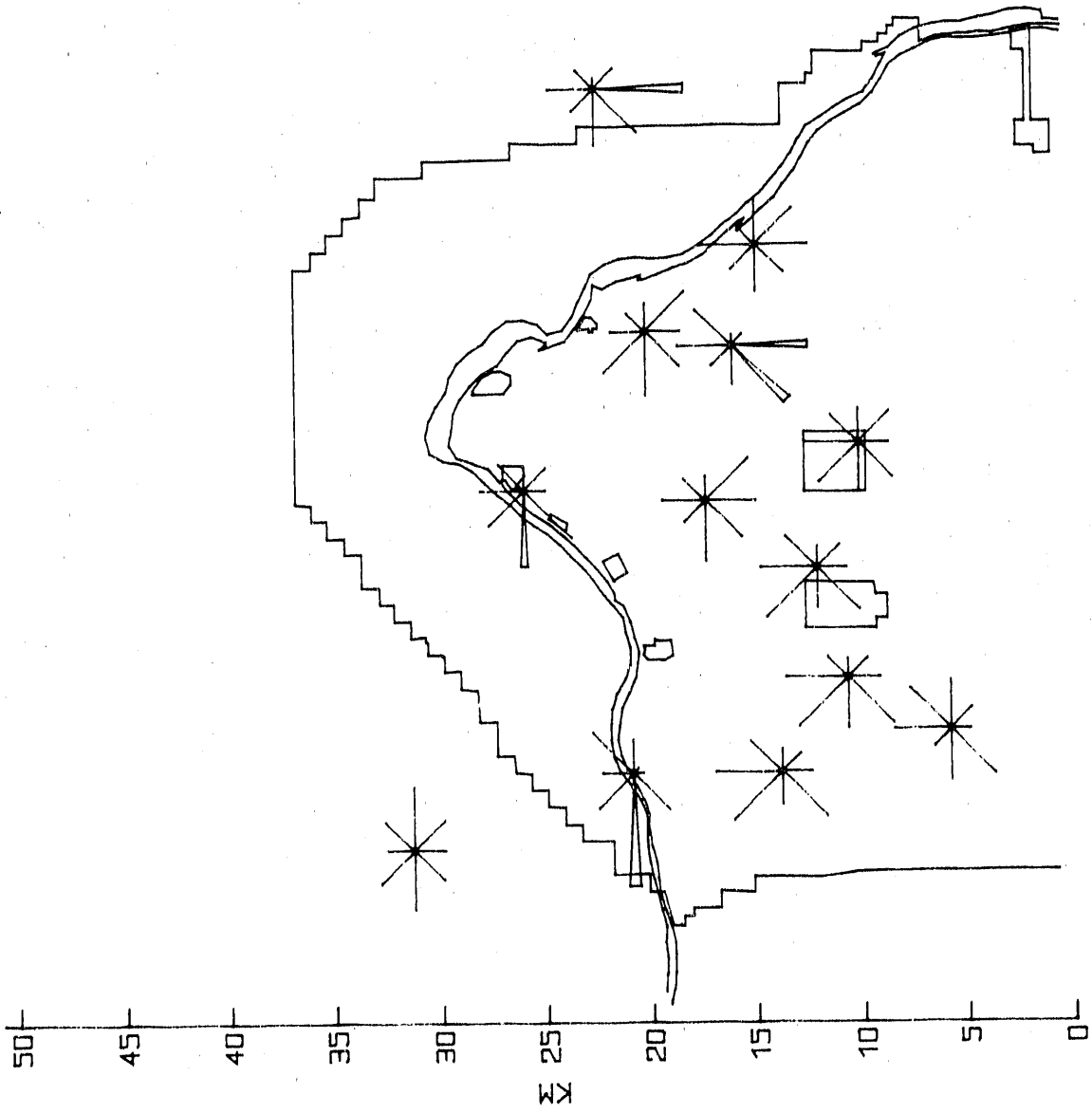
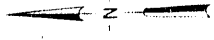


FIGURE 5.23. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--0900 and 1000 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

SPRING

11:00
AND
12:00



5.120

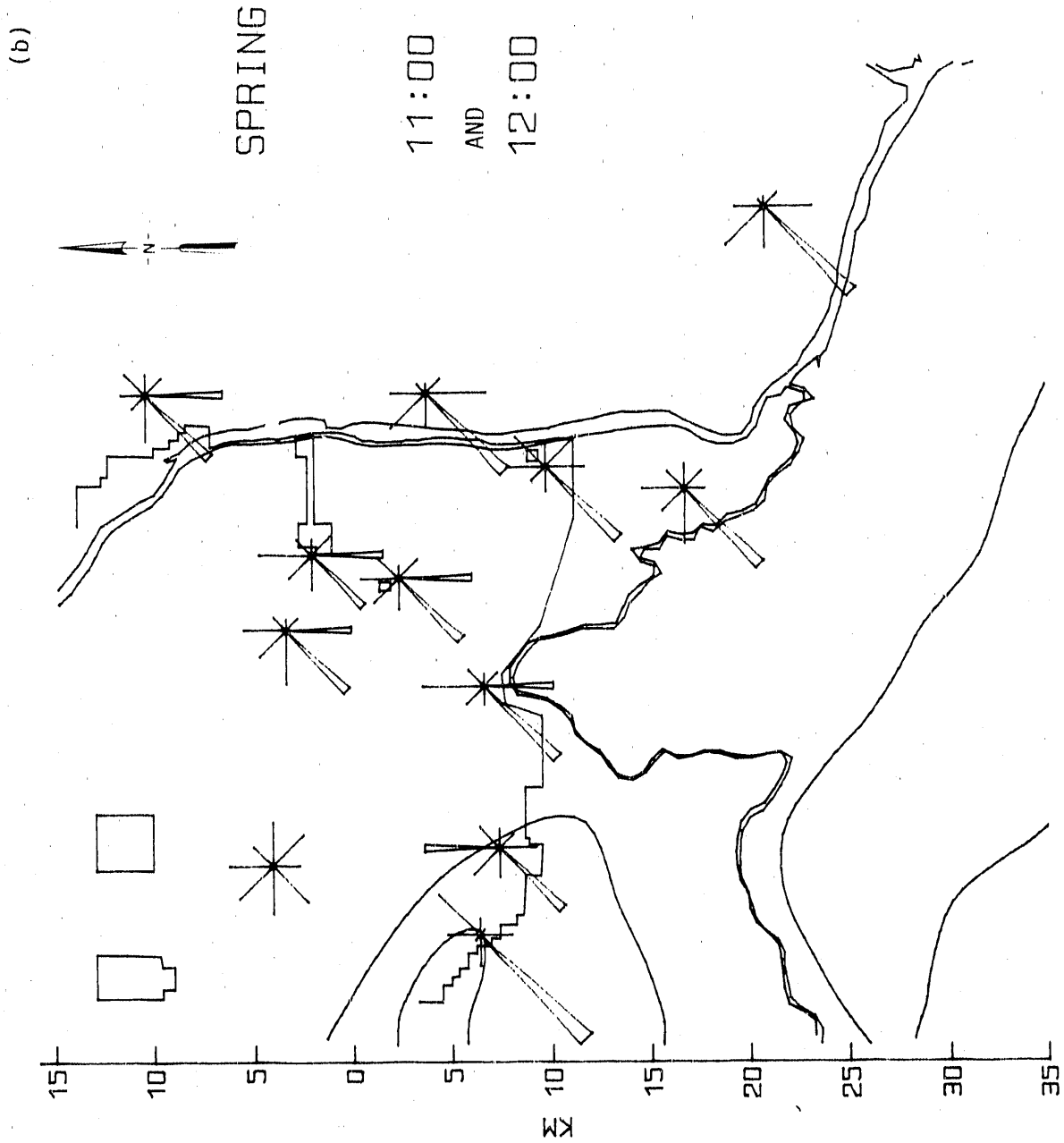
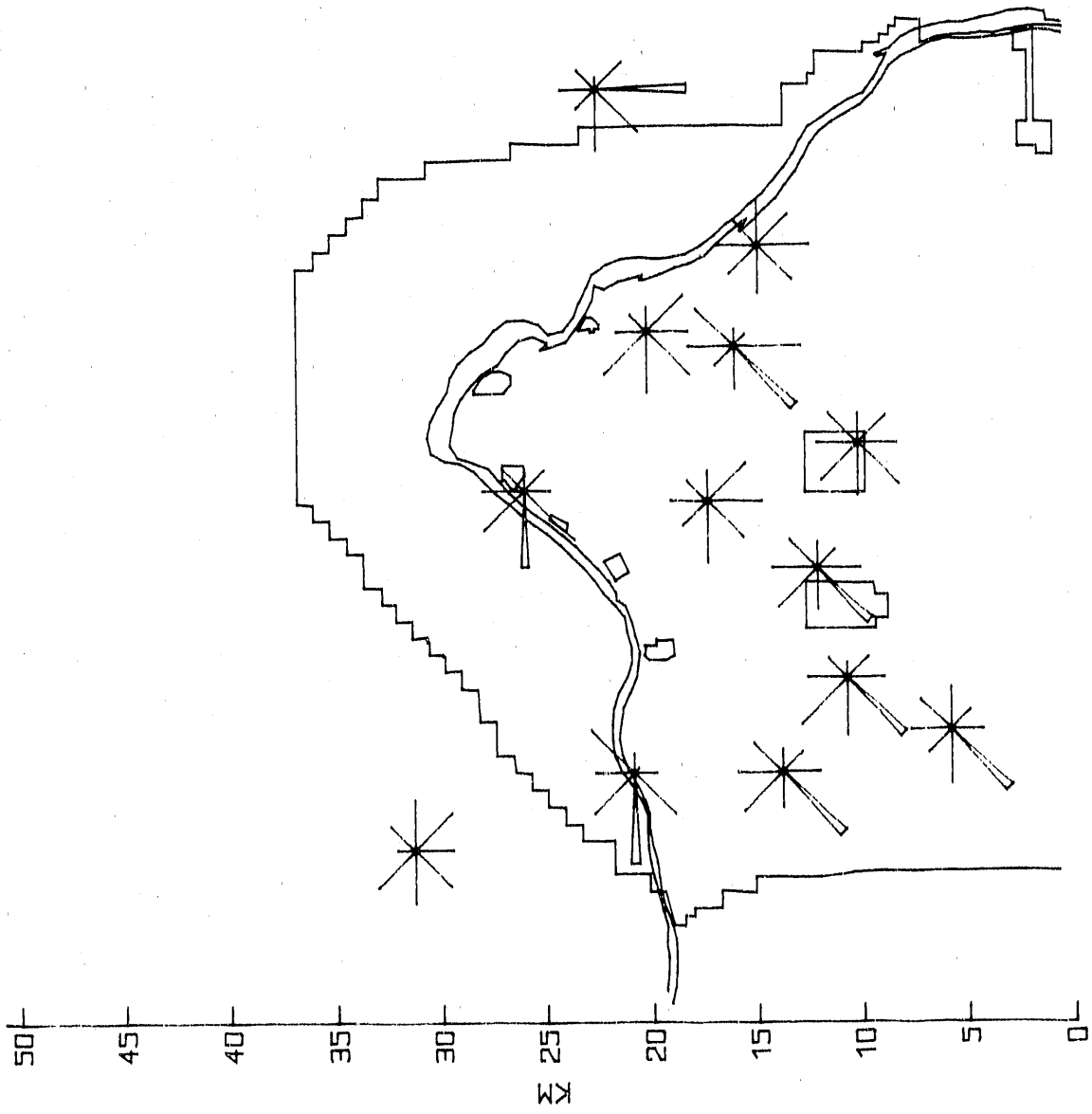
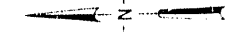


FIGURE 5.24. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--1100 and 1200 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

SPRING

13:00
AND
14:00



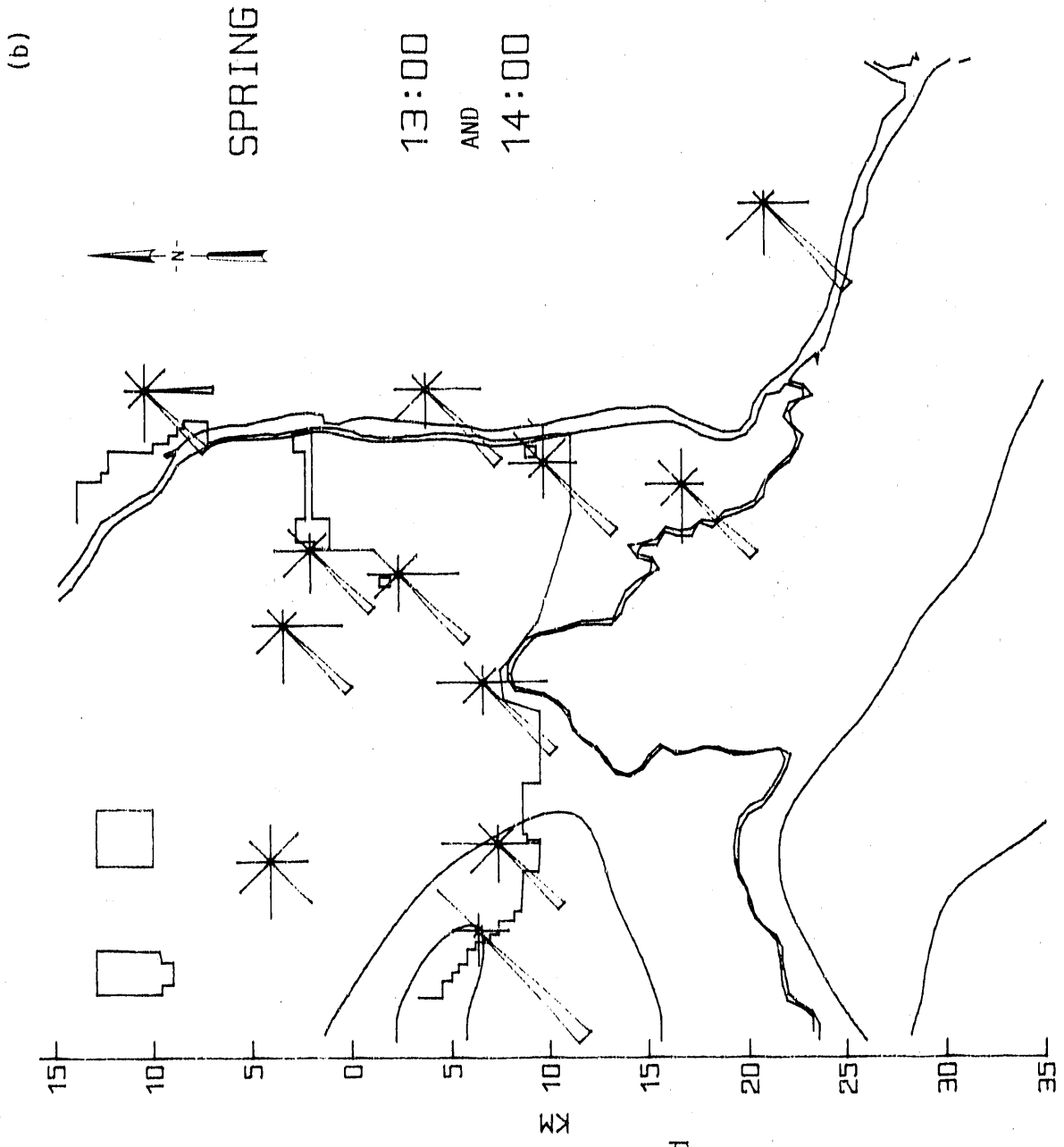
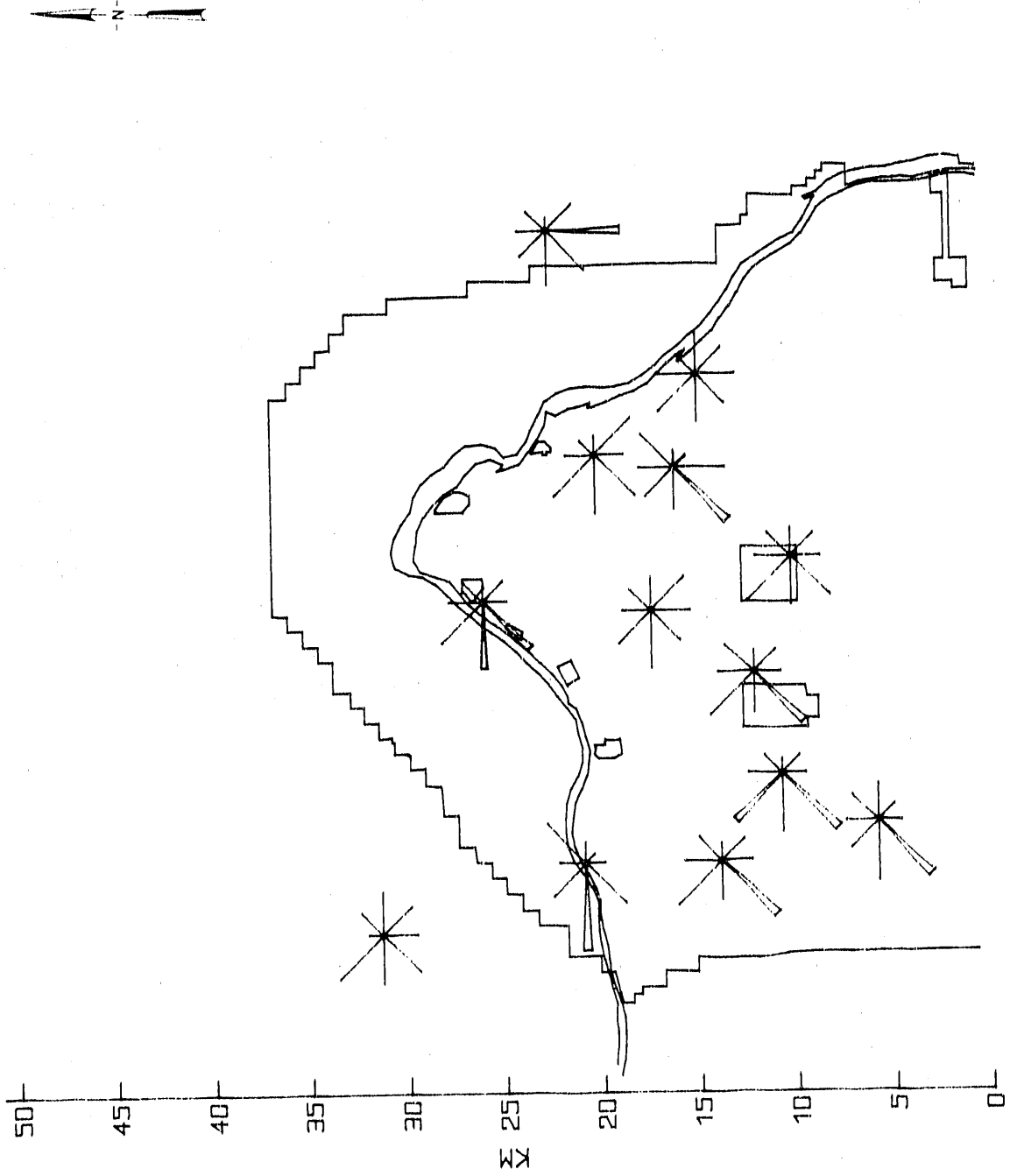


FIGURE 5.25. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--1300 and 1400 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

SPRING

15:00
AND
16:00



5.124

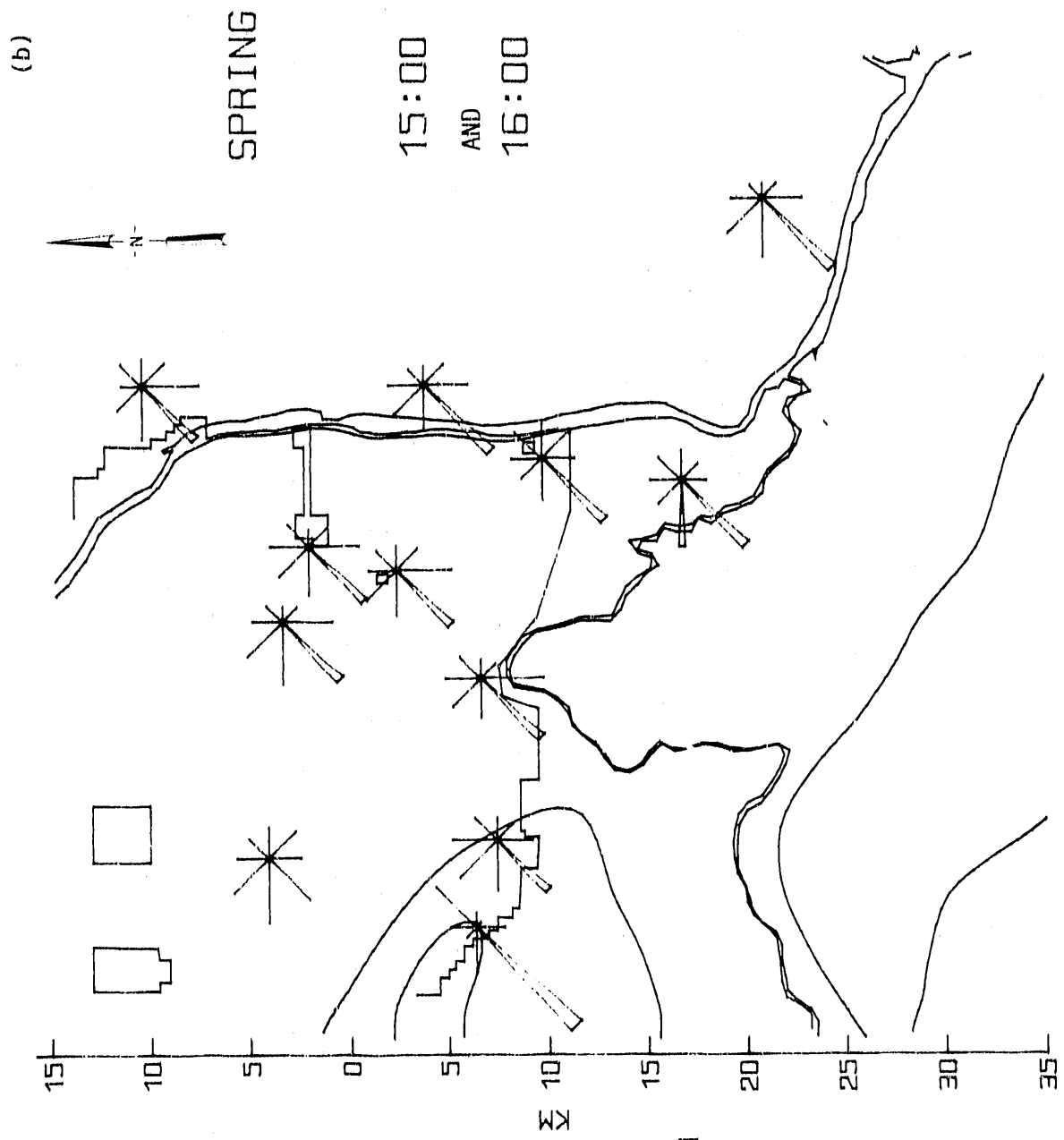
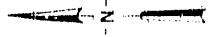


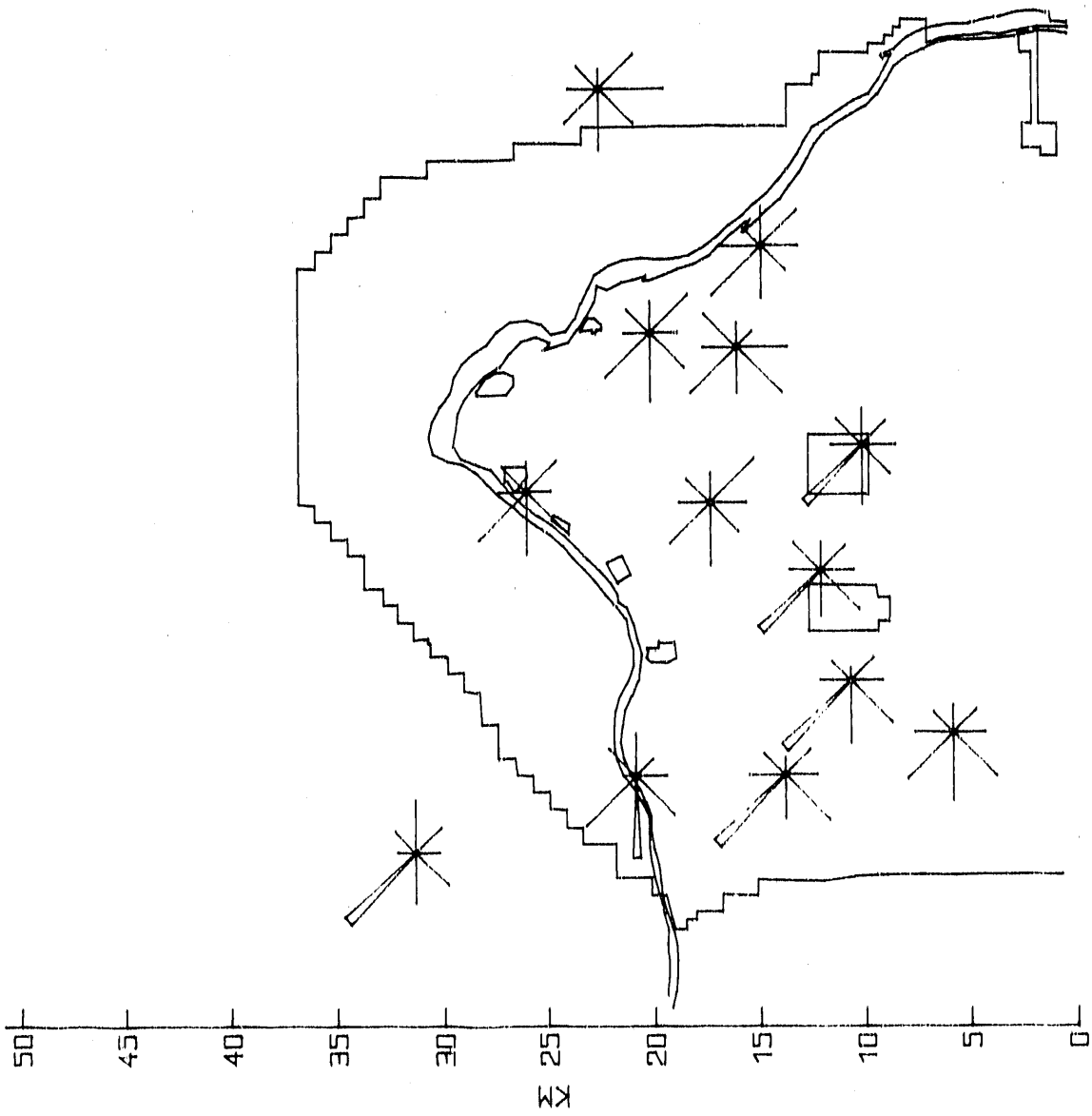
FIGURE 5.26. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--1500 and 1600 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)



SPRING

17:00
AND
18:00



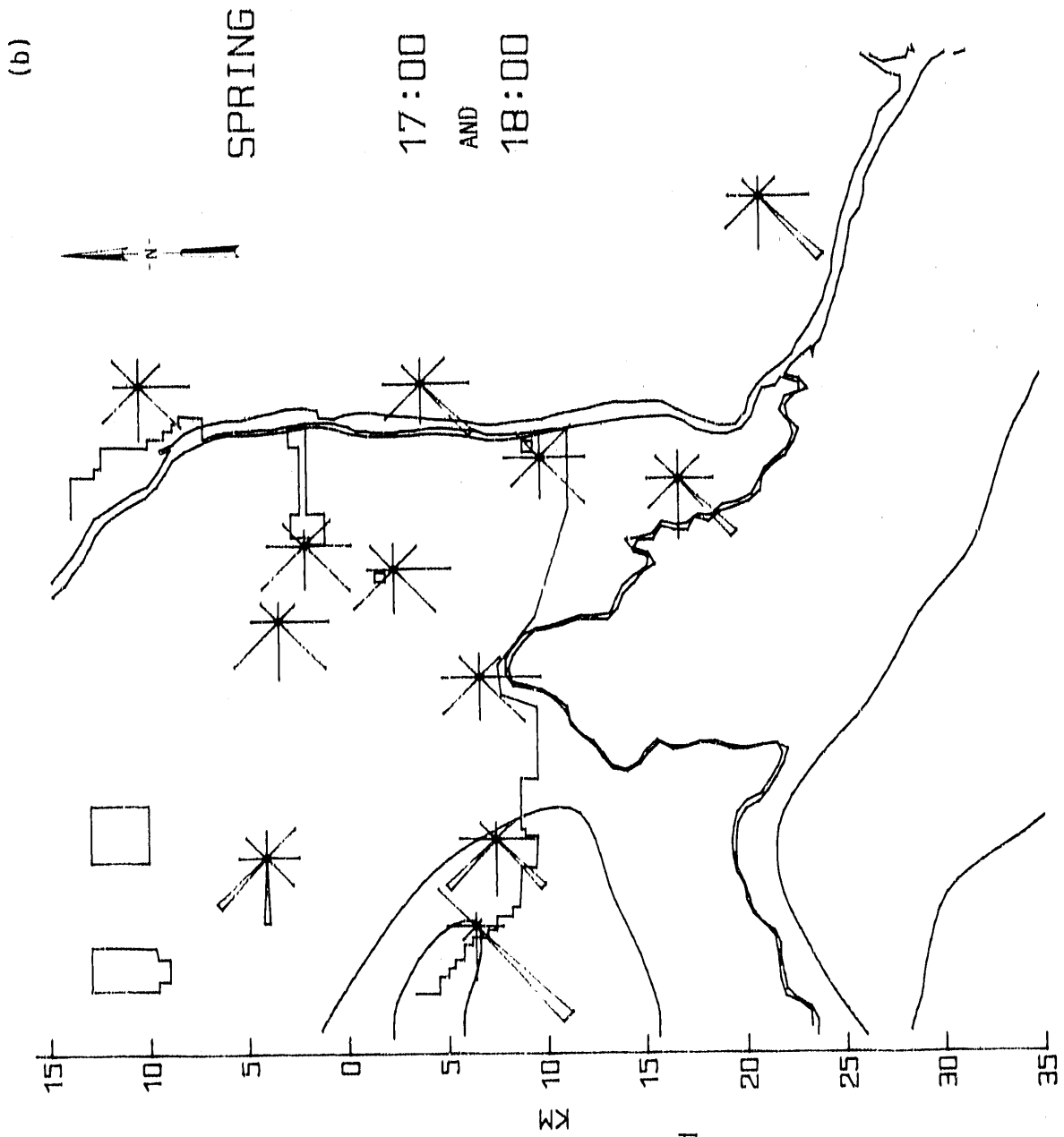
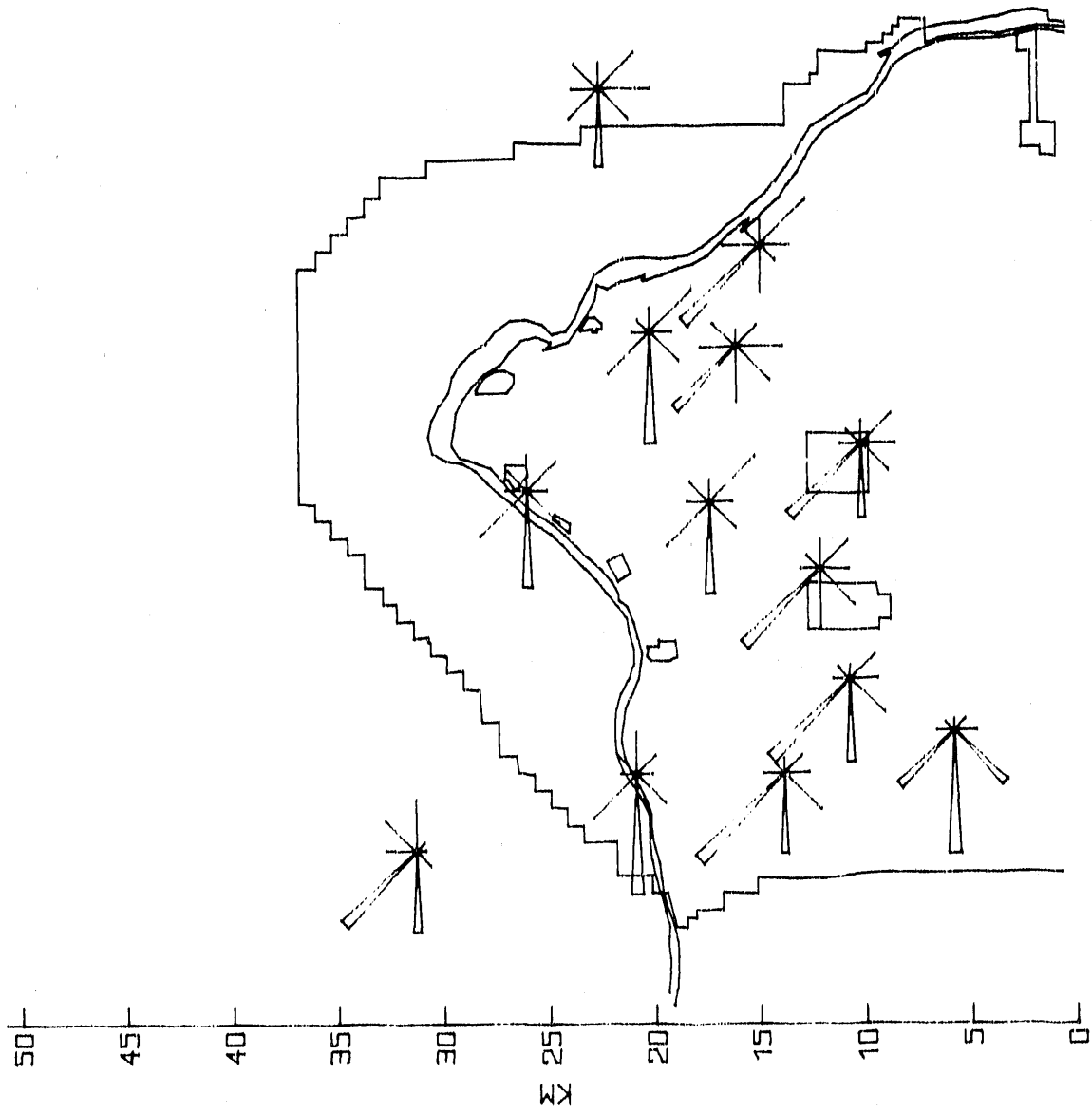
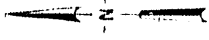


FIGURE 5.27. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--1700 and 1800 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

SPRING

19:00
AND
20:00



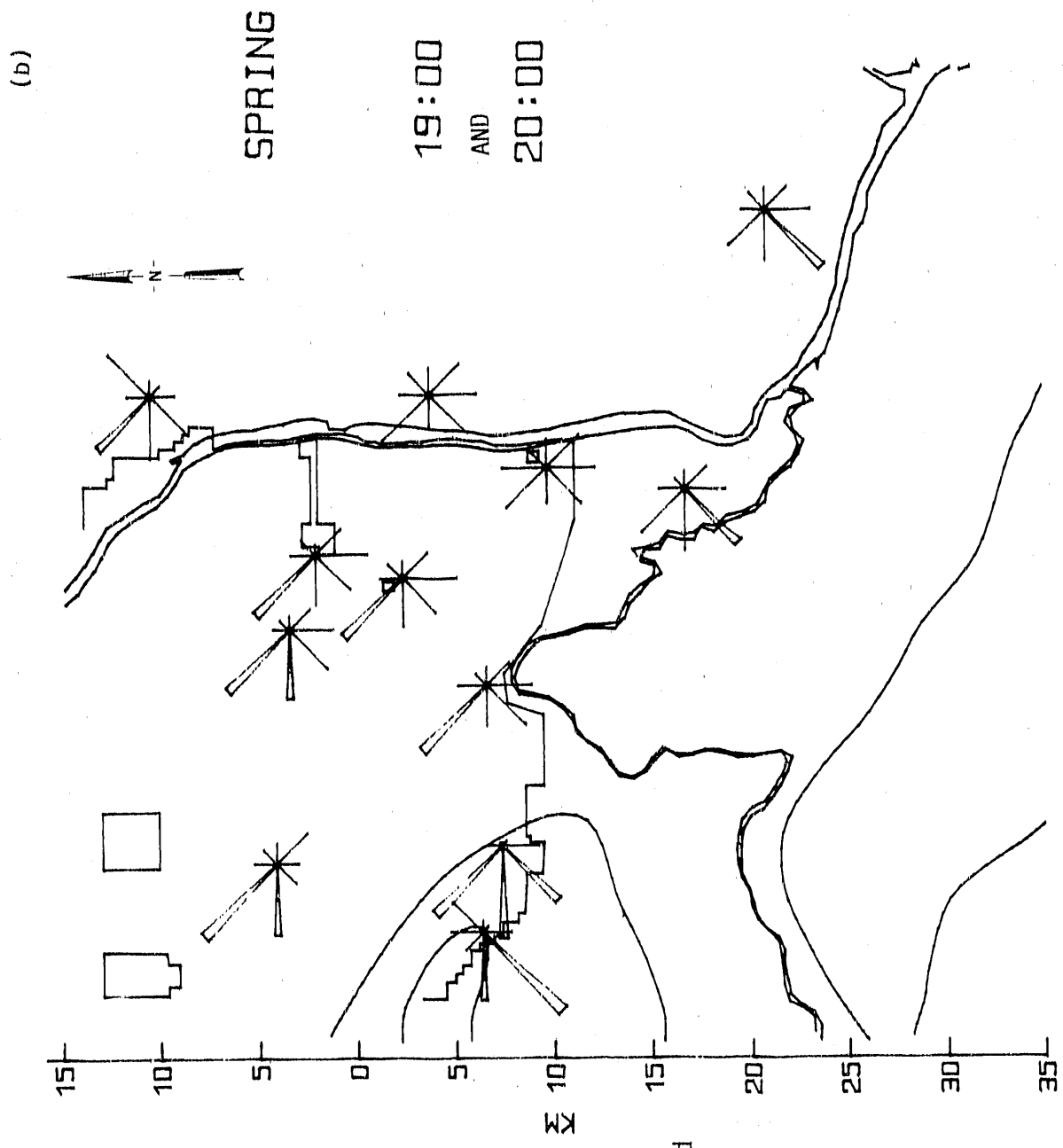
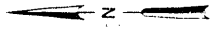


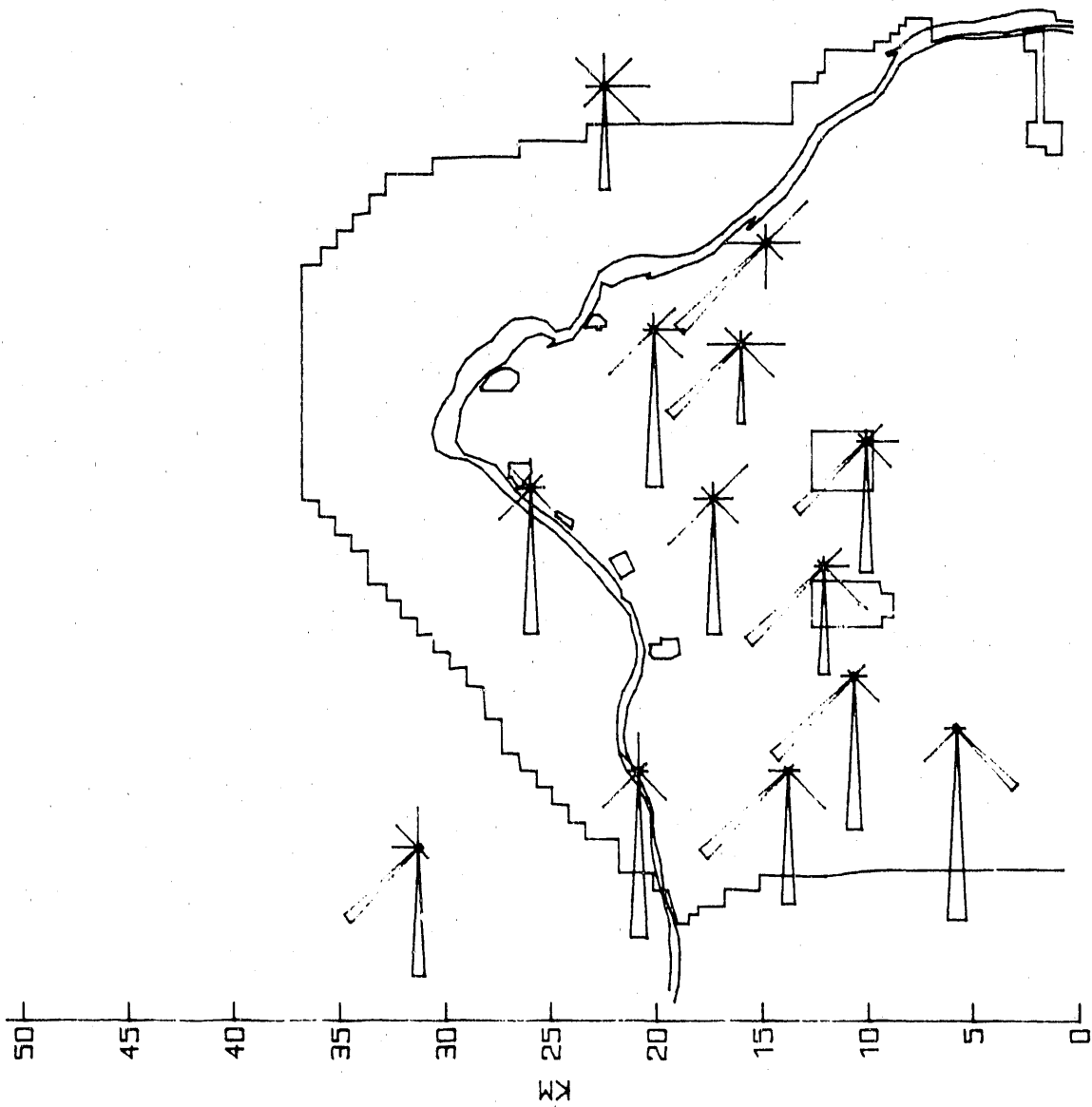
FIGURE 5.28. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--1900 and 2000 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)



SPRING

21:00
AND
22:00



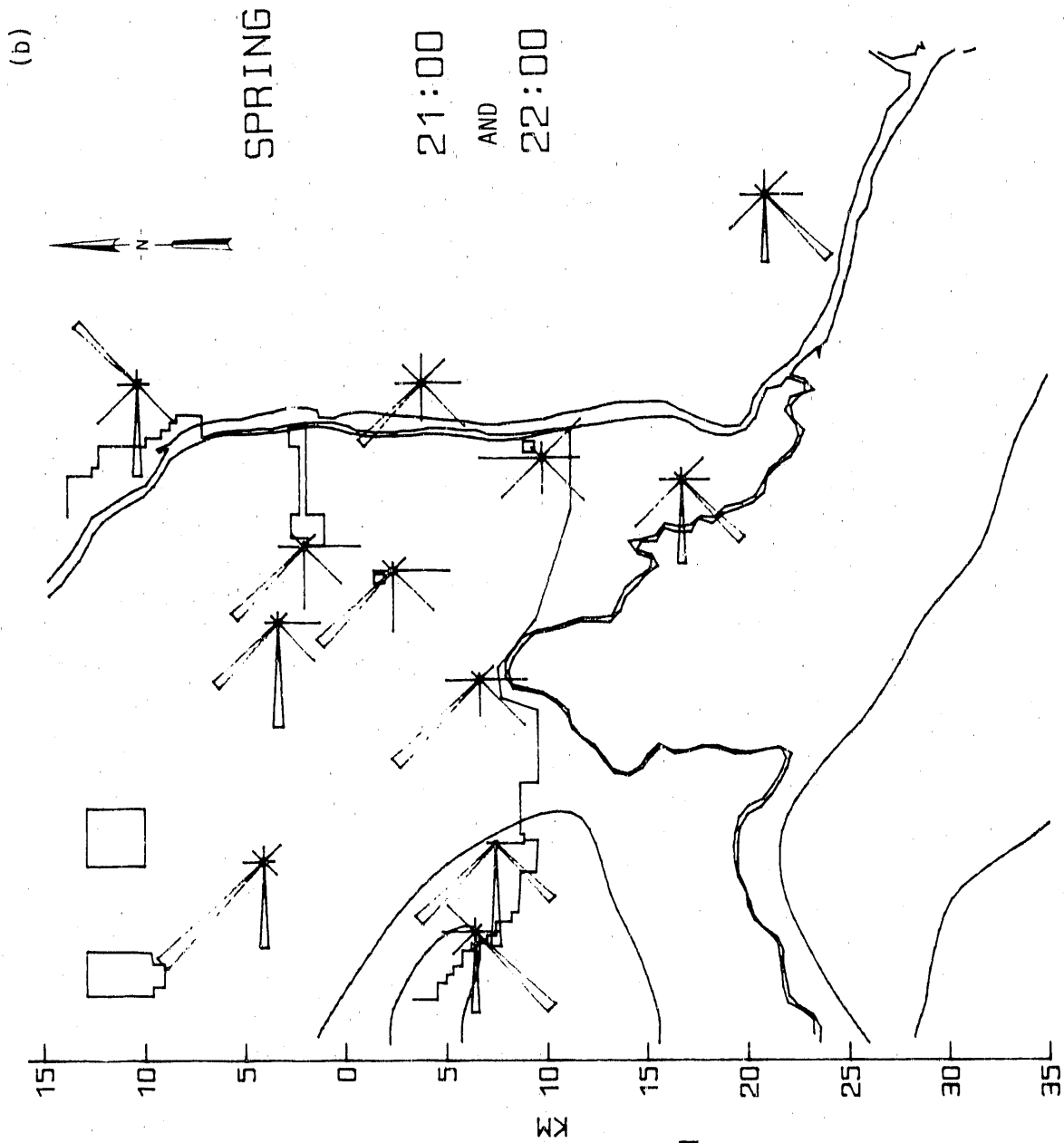
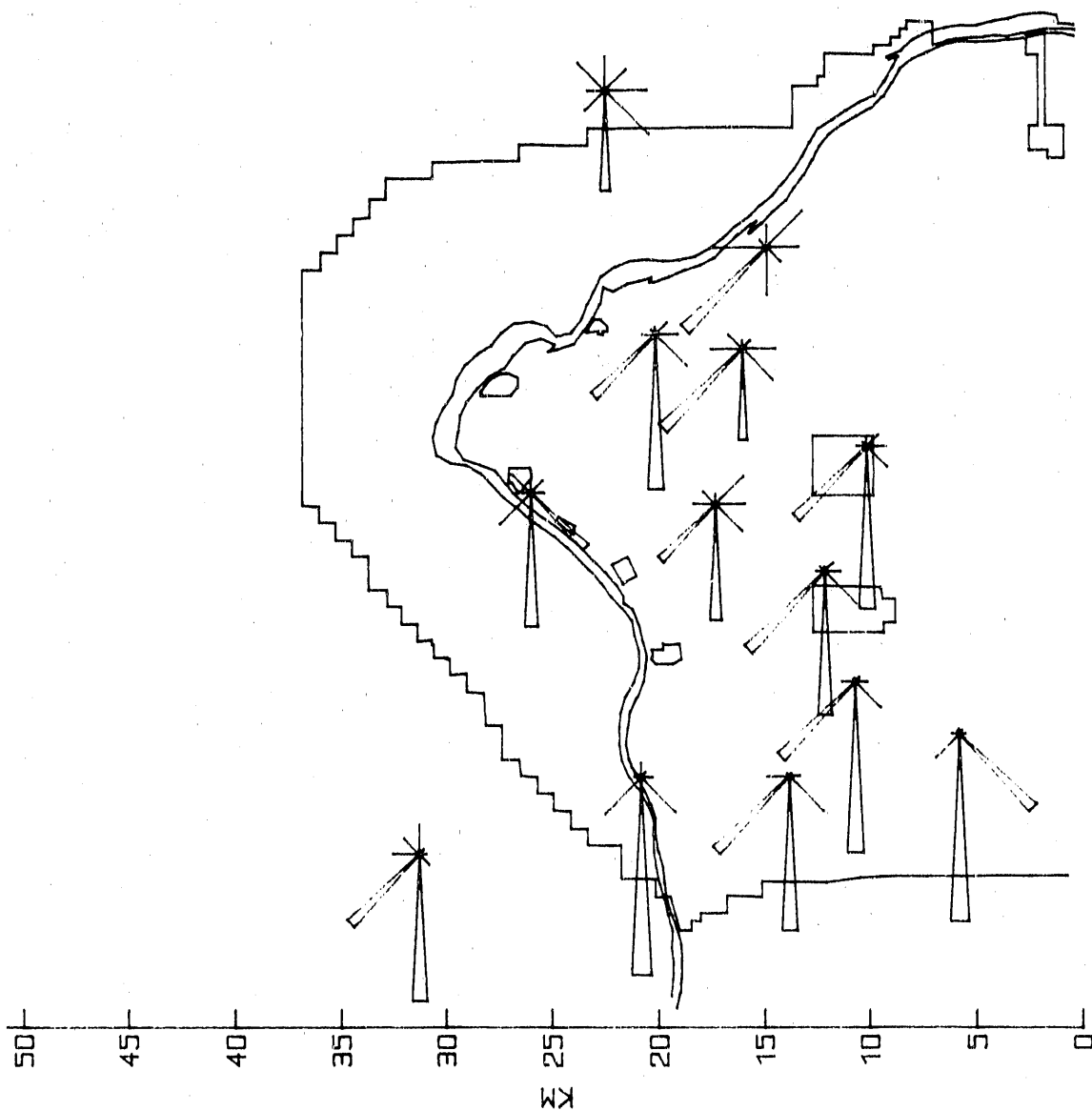
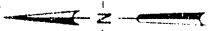


FIGURE 5.29. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--2100 and 2200 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

SPRING

23:00
AND
24:00



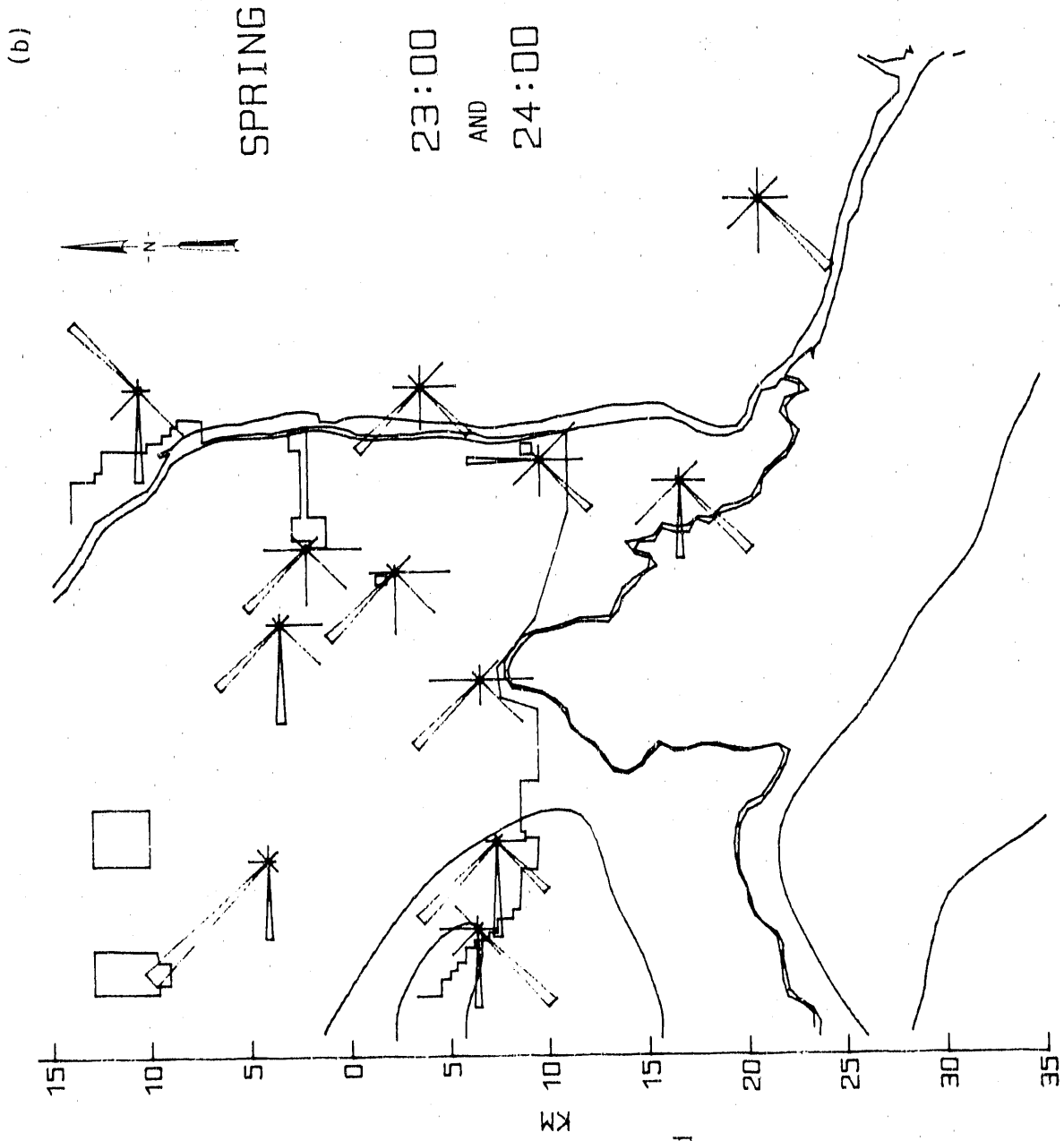
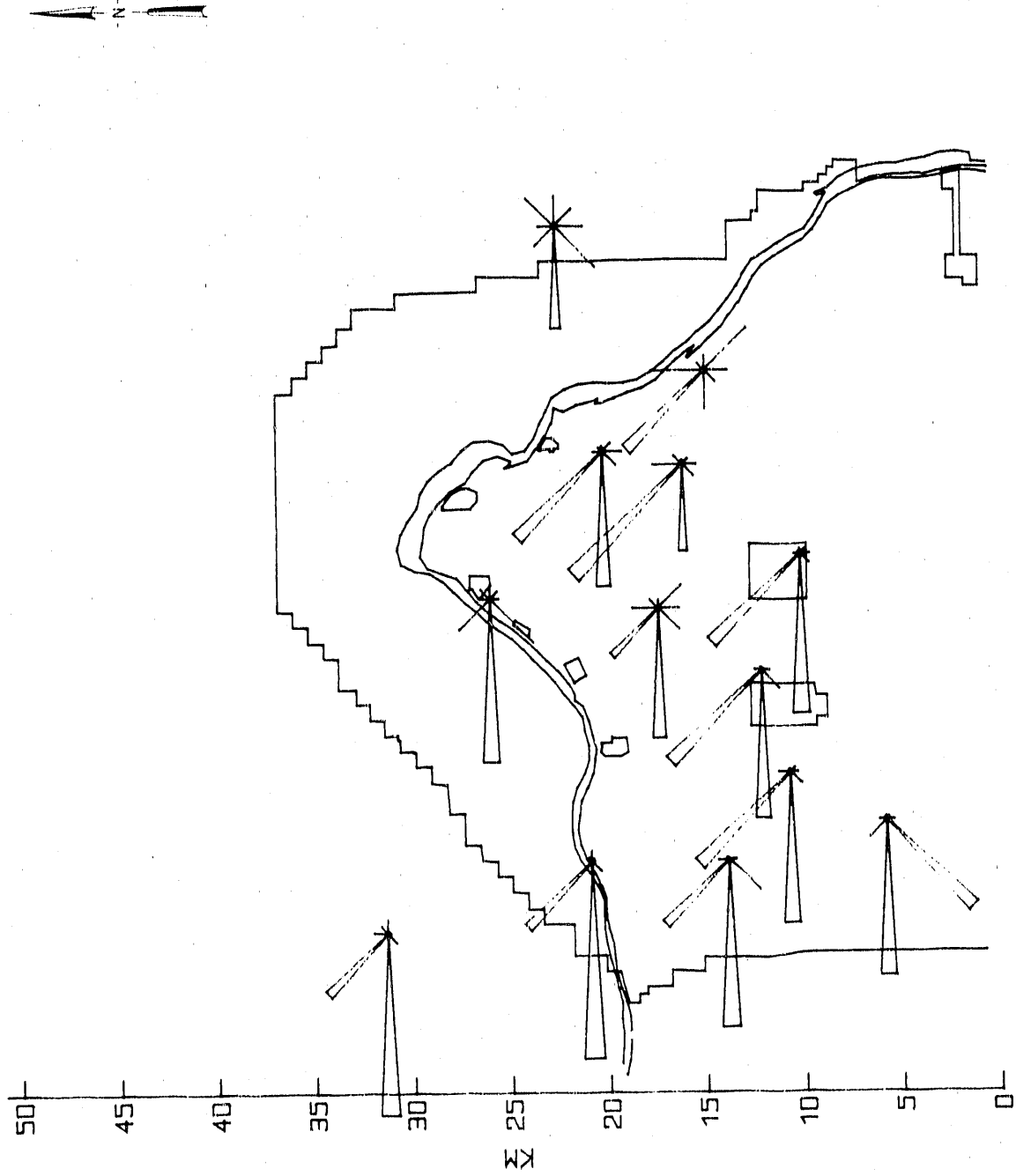


FIGURE 5.30. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site--Spring Season--2300 and 2400 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

SUMMER

1:00
AND
2:00



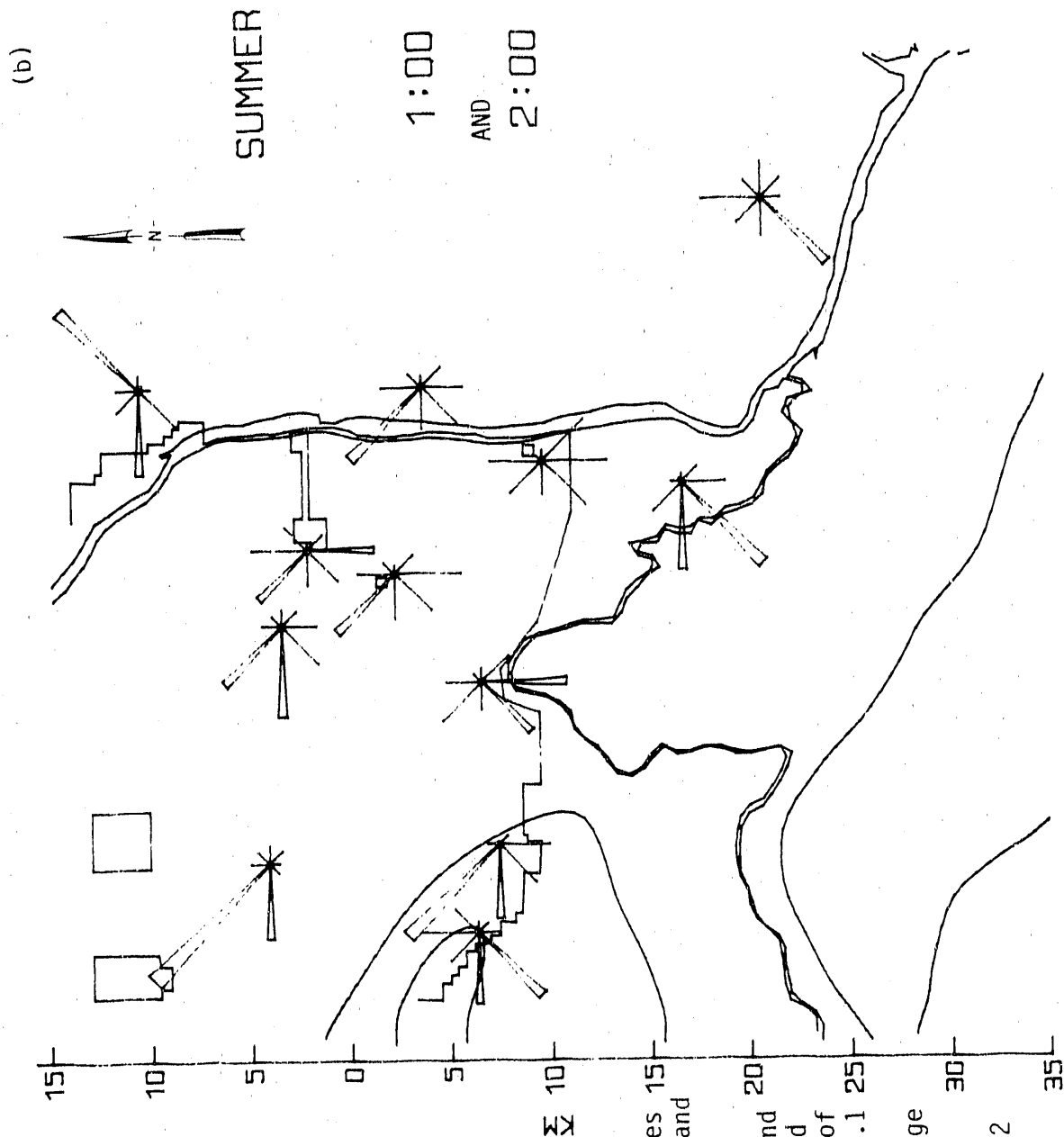


FIGURE 5.31. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Summer Season--0100 and 0200 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 25% frequency (i.e., 10%) of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

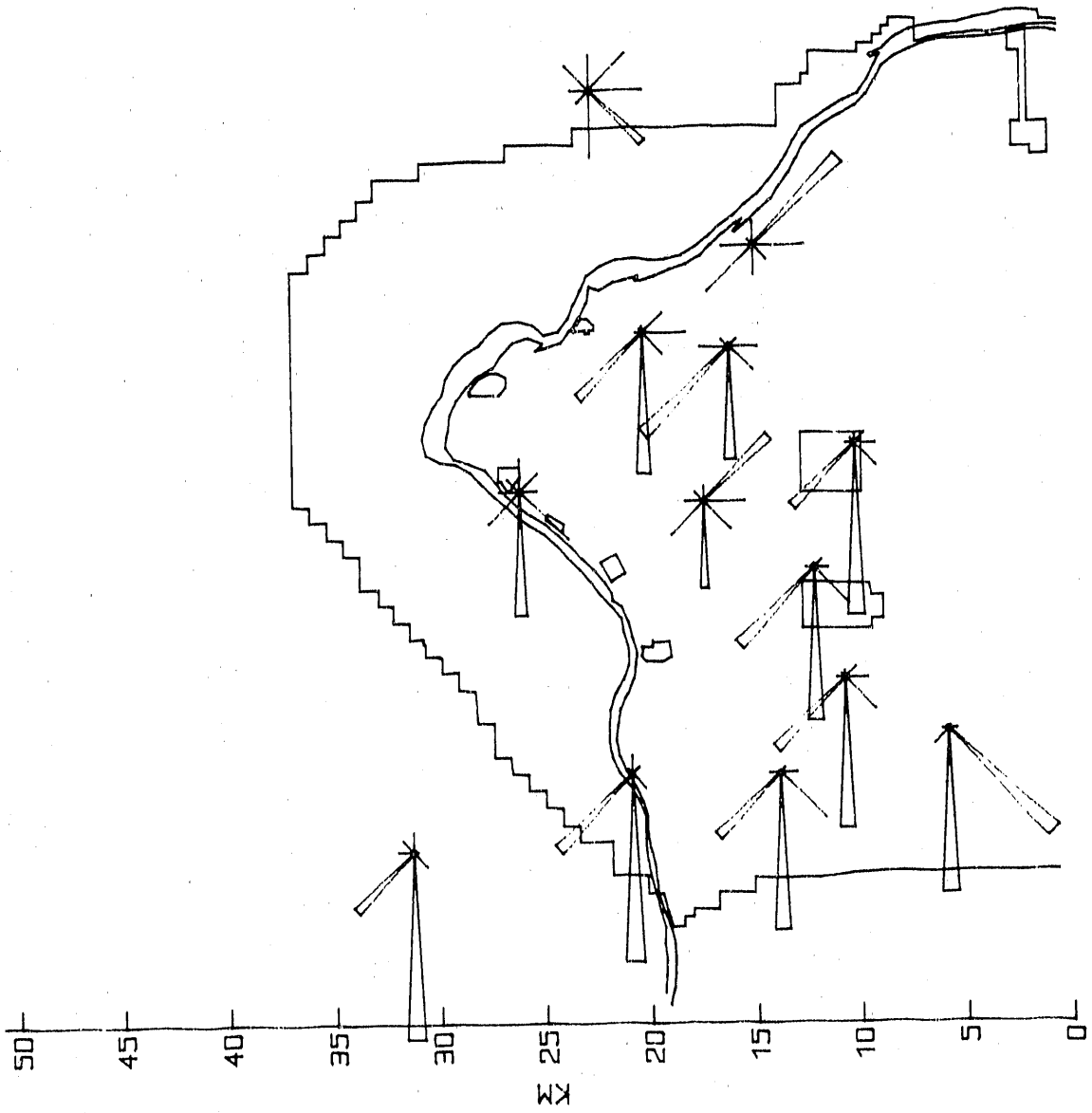
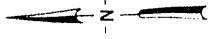
(a)

SUMMER

3:00

AND

4:00



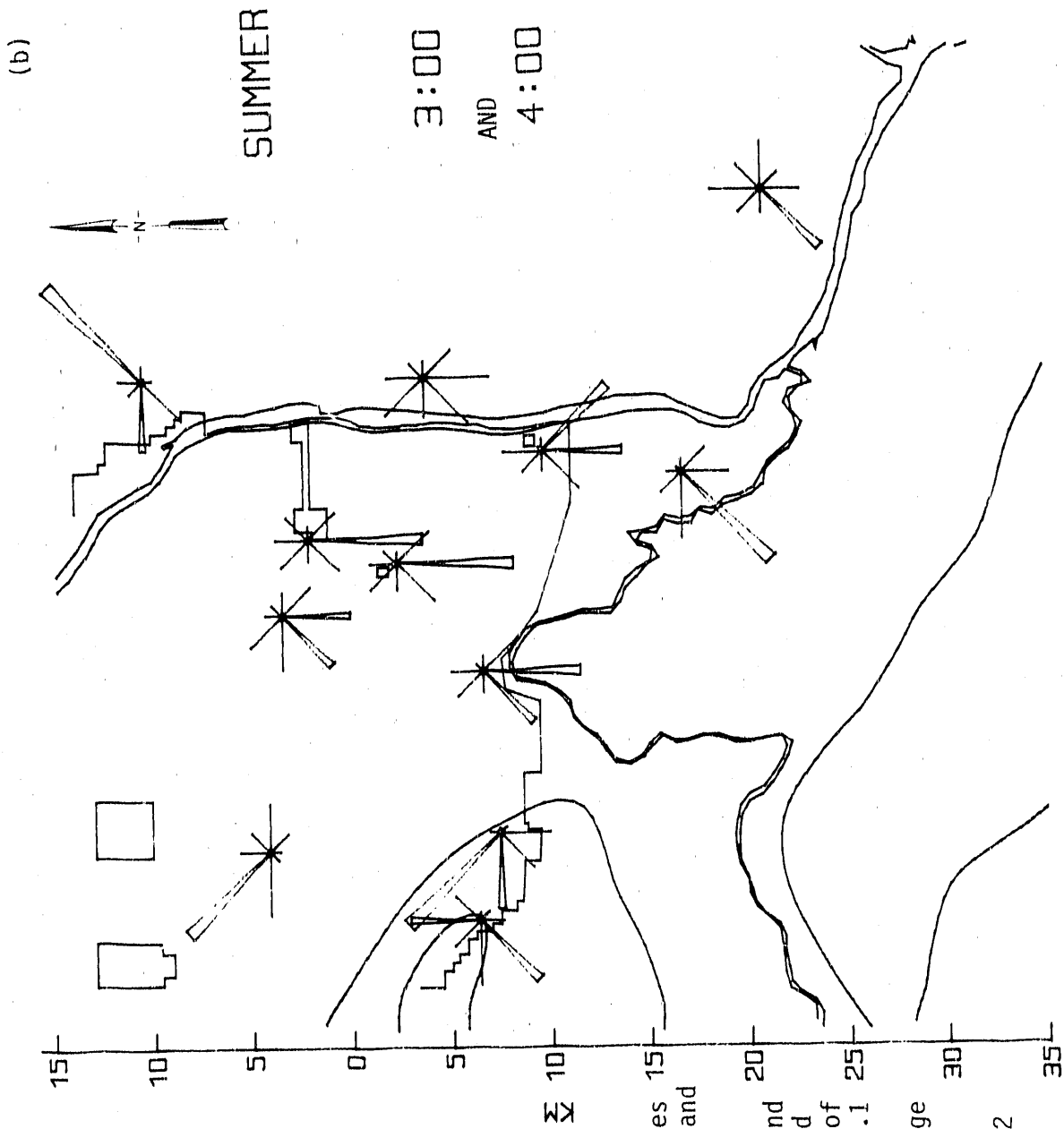
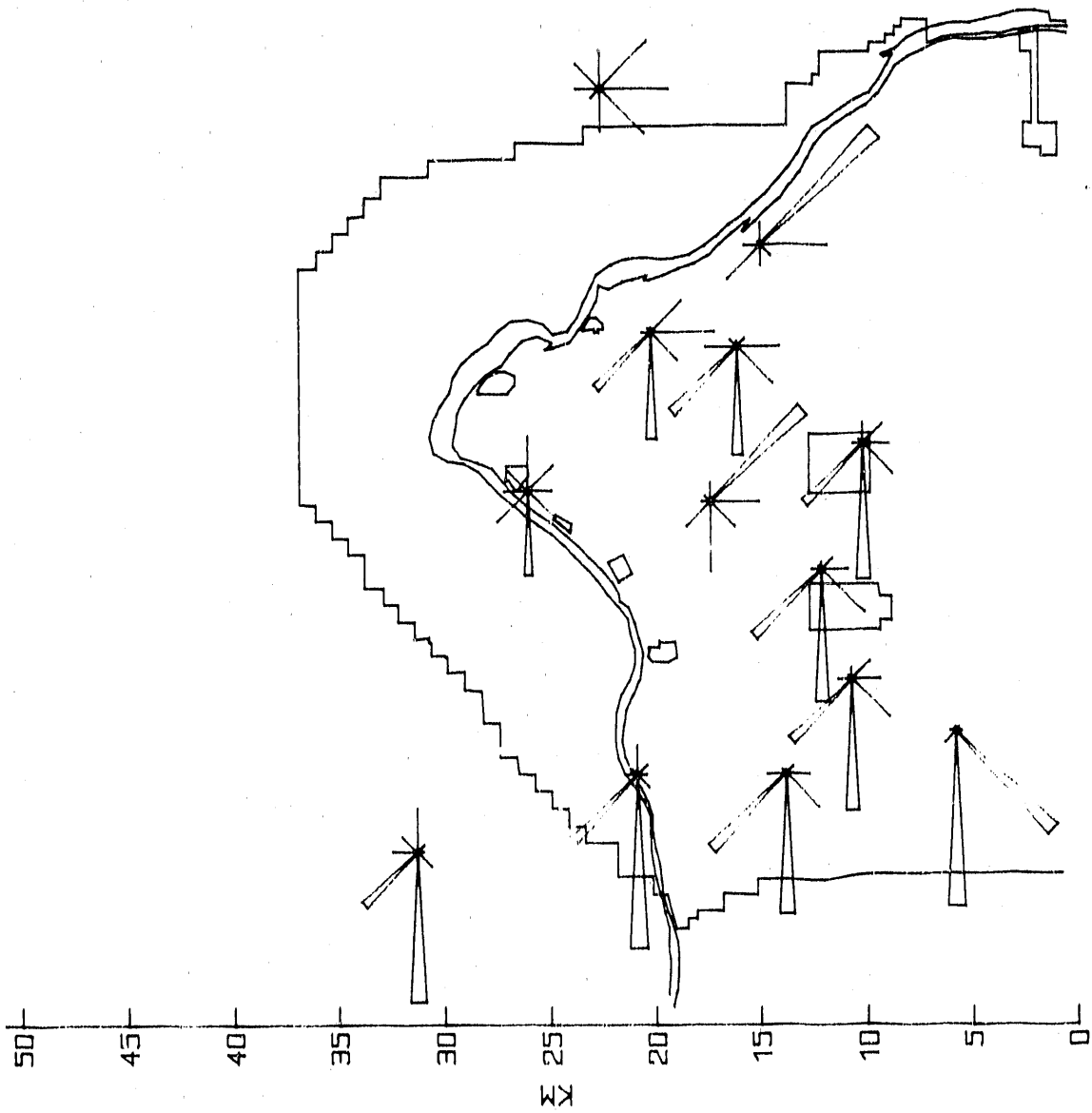
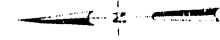


FIGURE 5.32. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Summer Season--0300 and 0400 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

SUMMER

5:00
AND
6:00



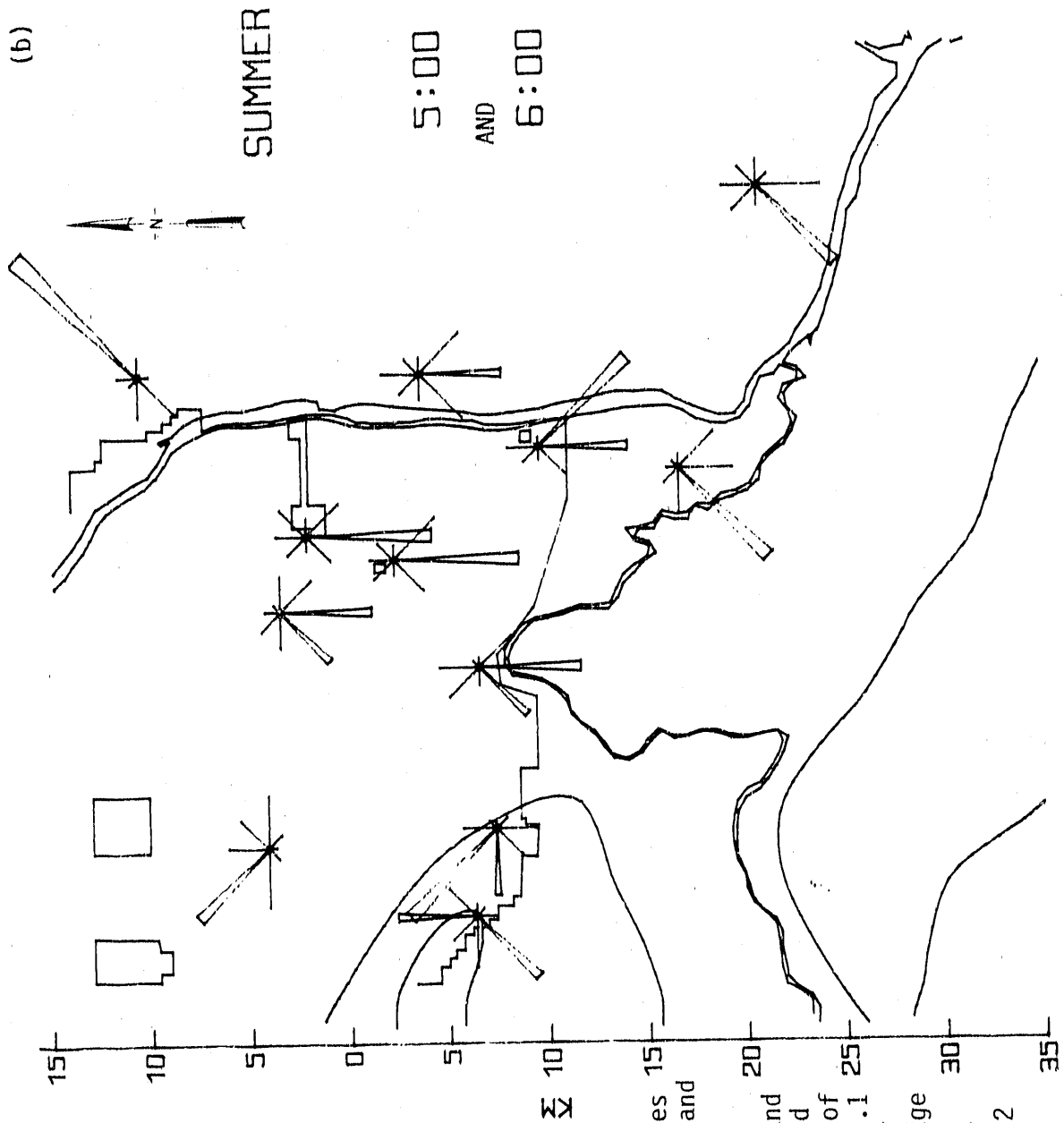
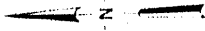


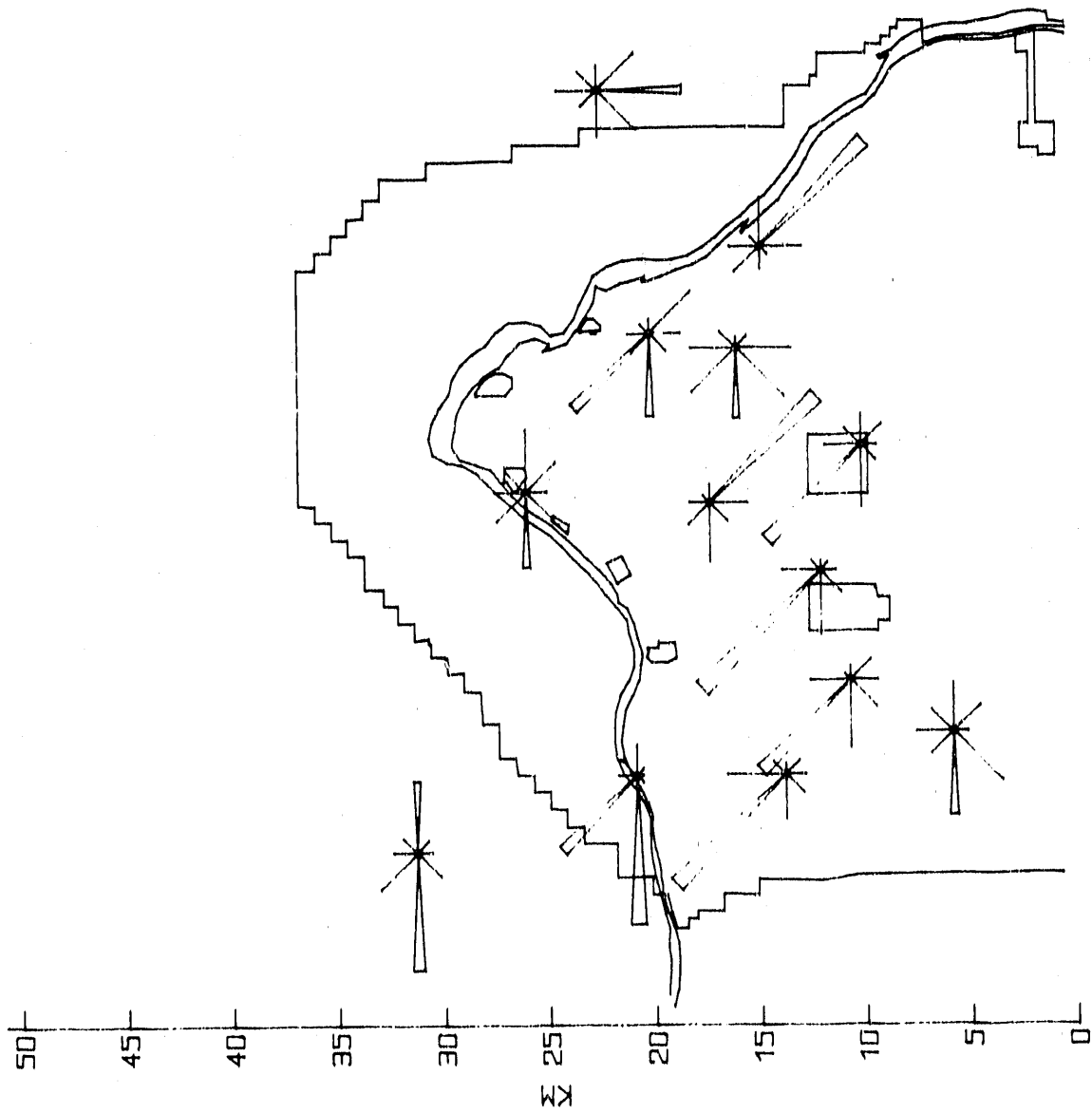
FIGURE 5.33. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Summer Season--0500 and 0600 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)



SUMMER

7:00
AND
8:00



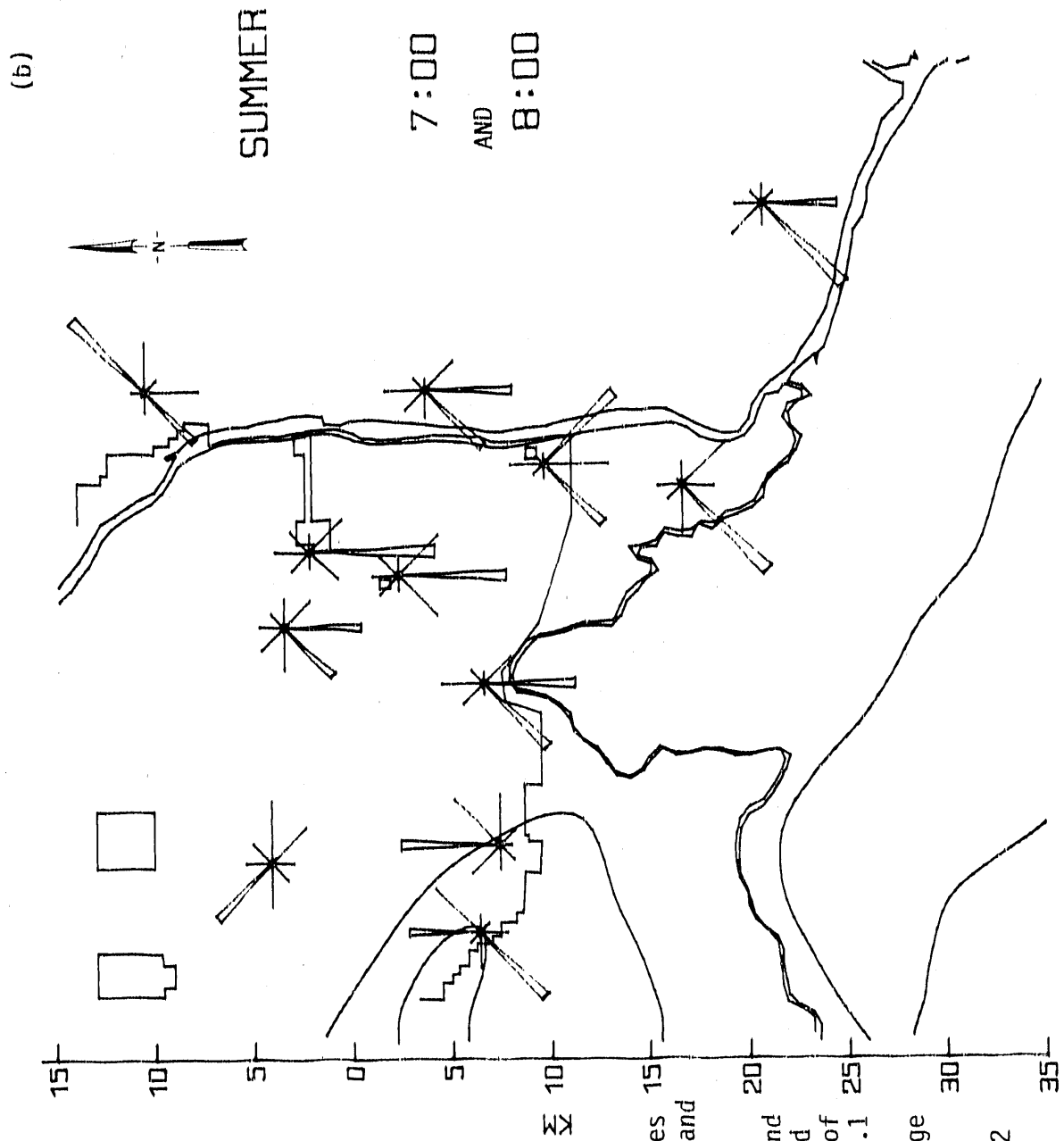
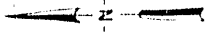


FIGURE 5.34. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Summer Season--0700 and 0800 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

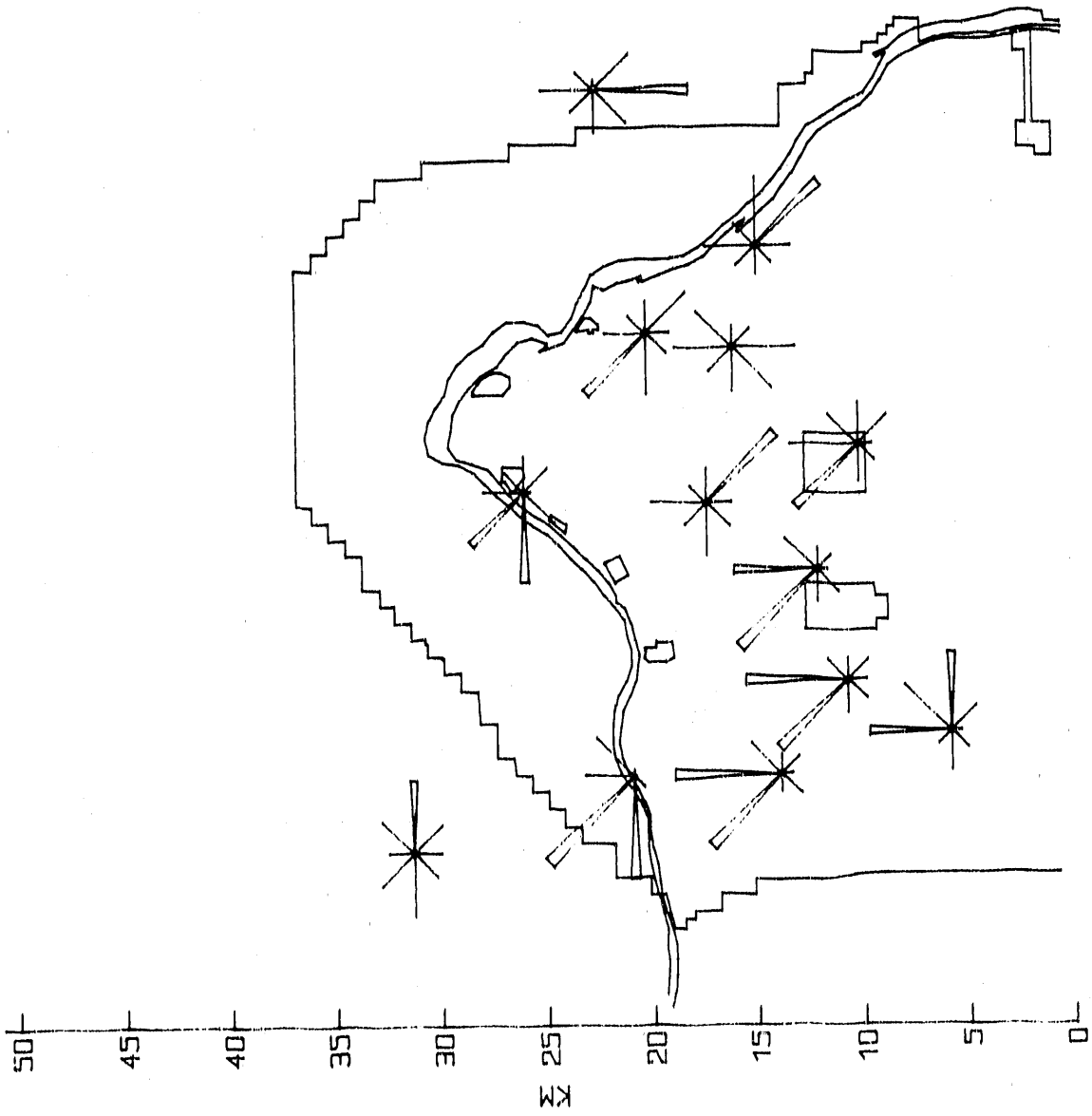


SUMMER

9:00

AND

10:00



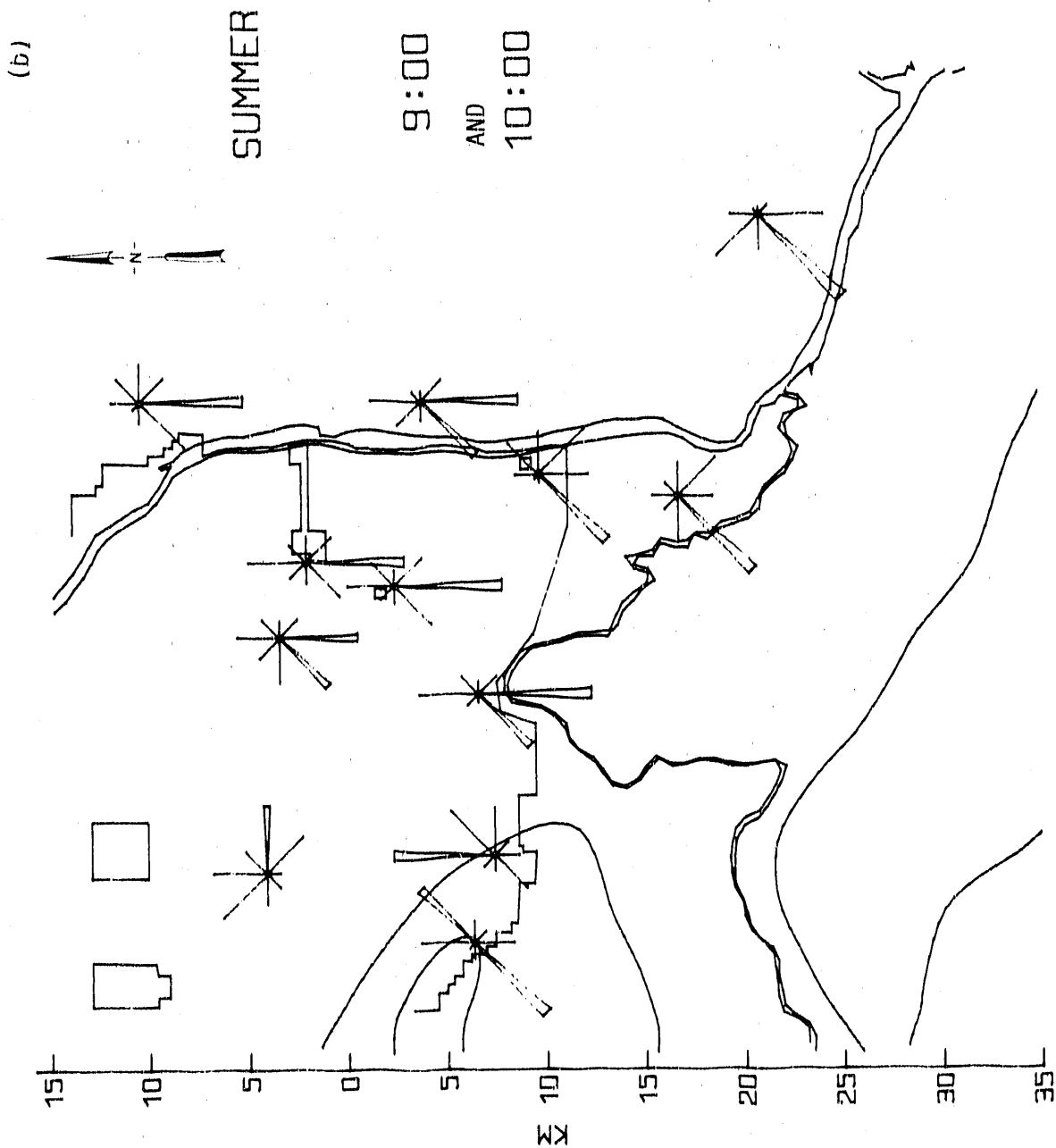
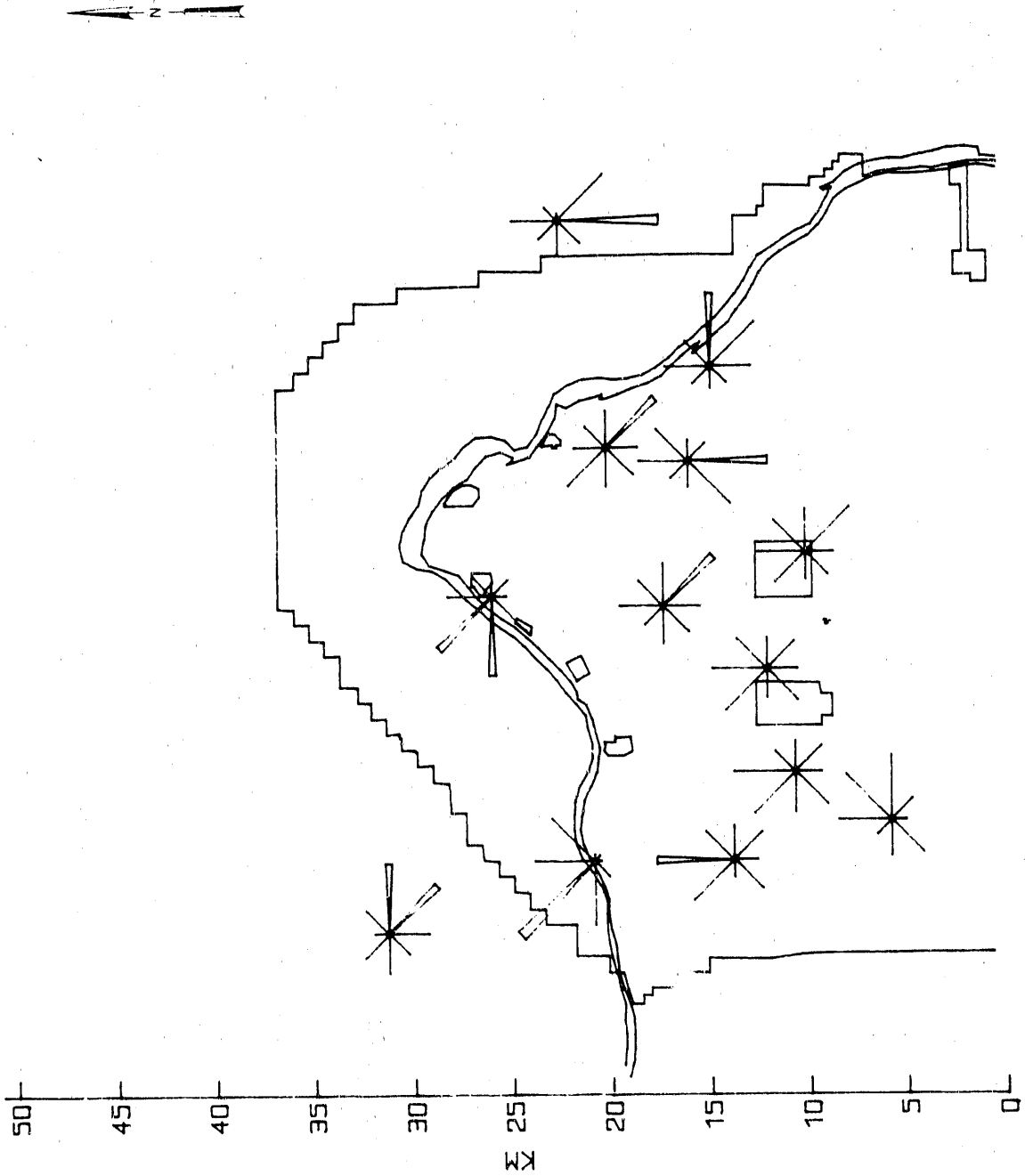


FIGURE 5.35. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Summer Season--0900 and 1000 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

SUMMER

11:00
AND
12:00



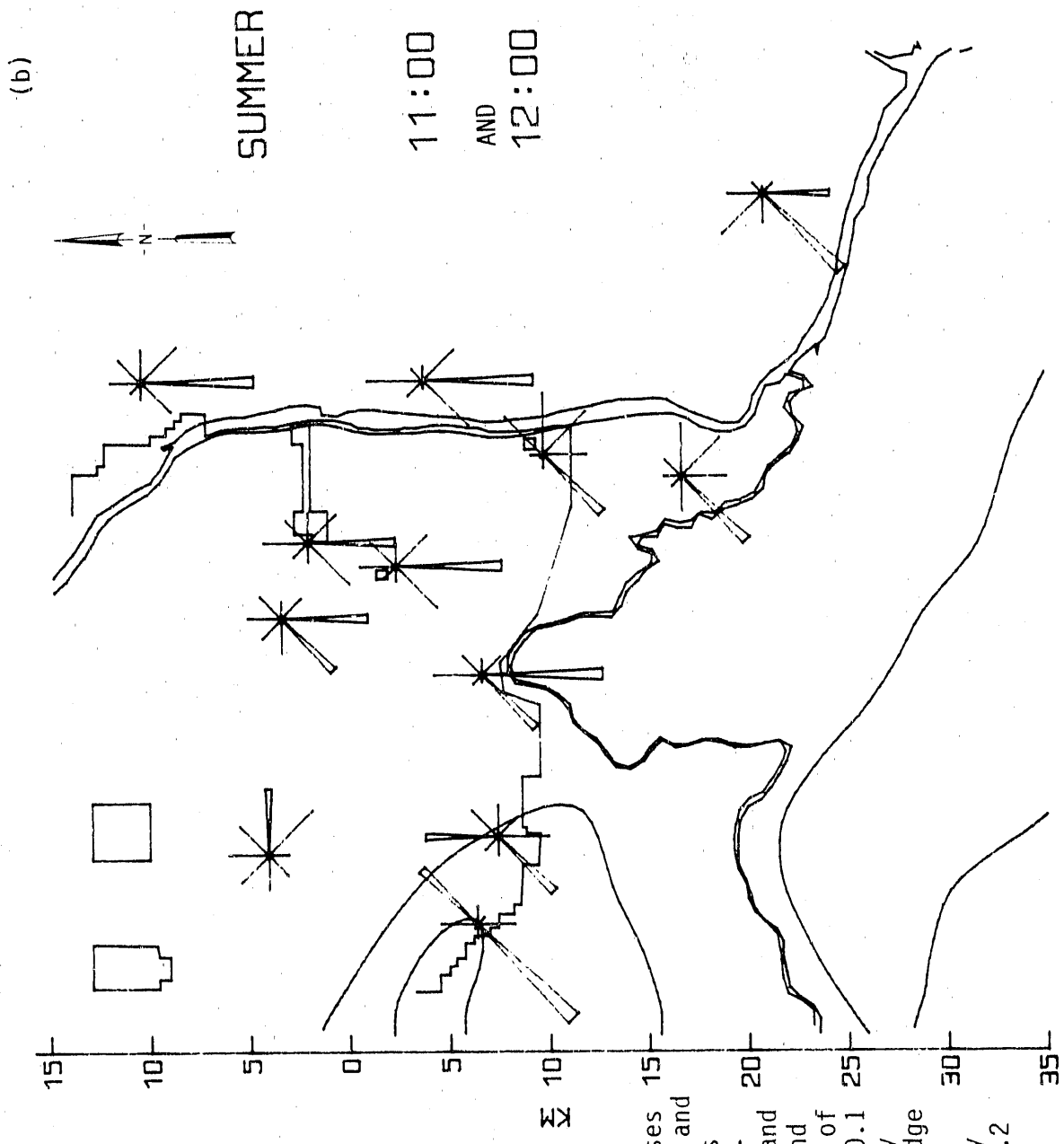
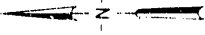


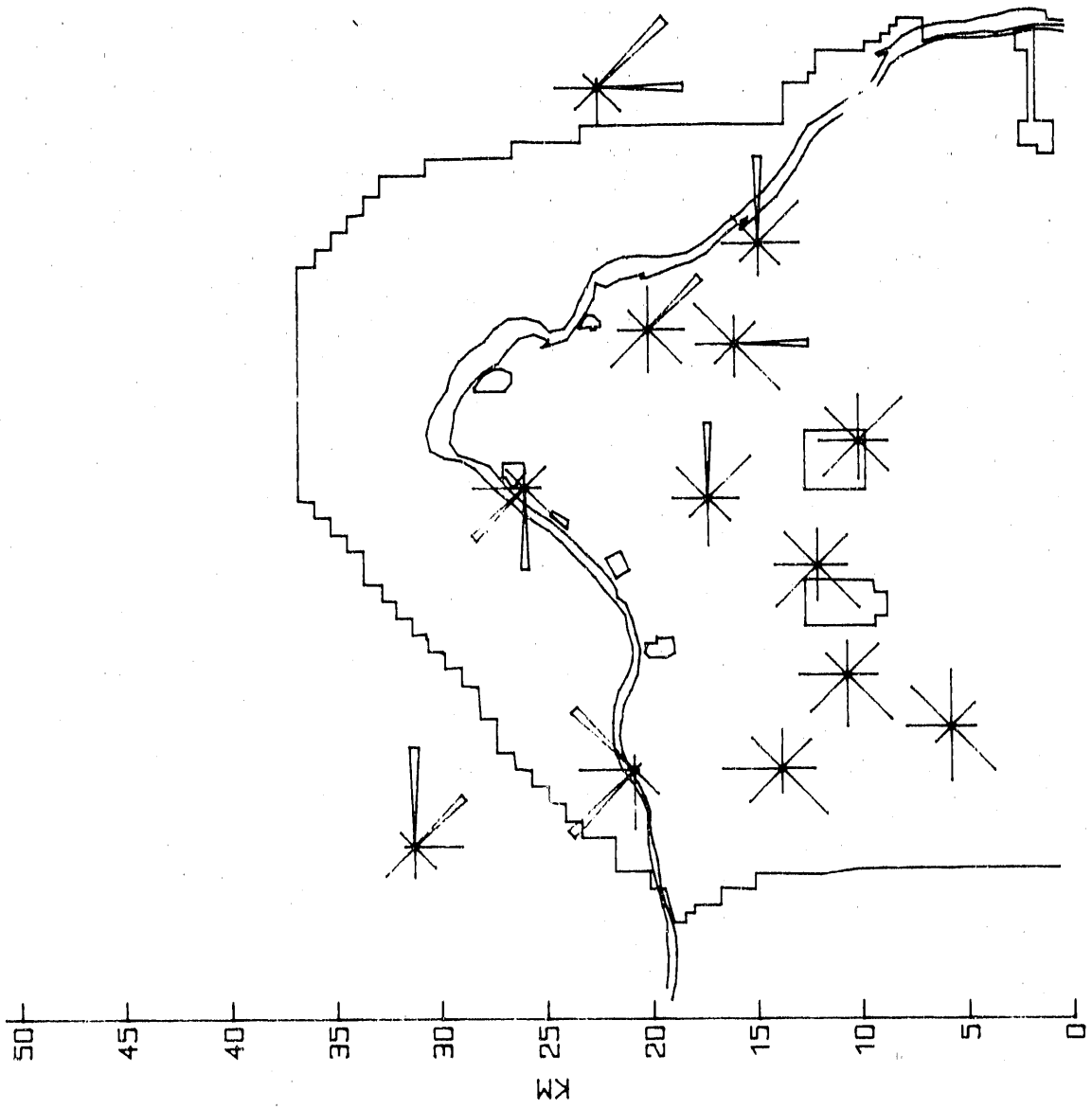
FIGURE 5.36. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Summer Season--1100 and 1200 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)



SUMMER

13:00
AND
14:00



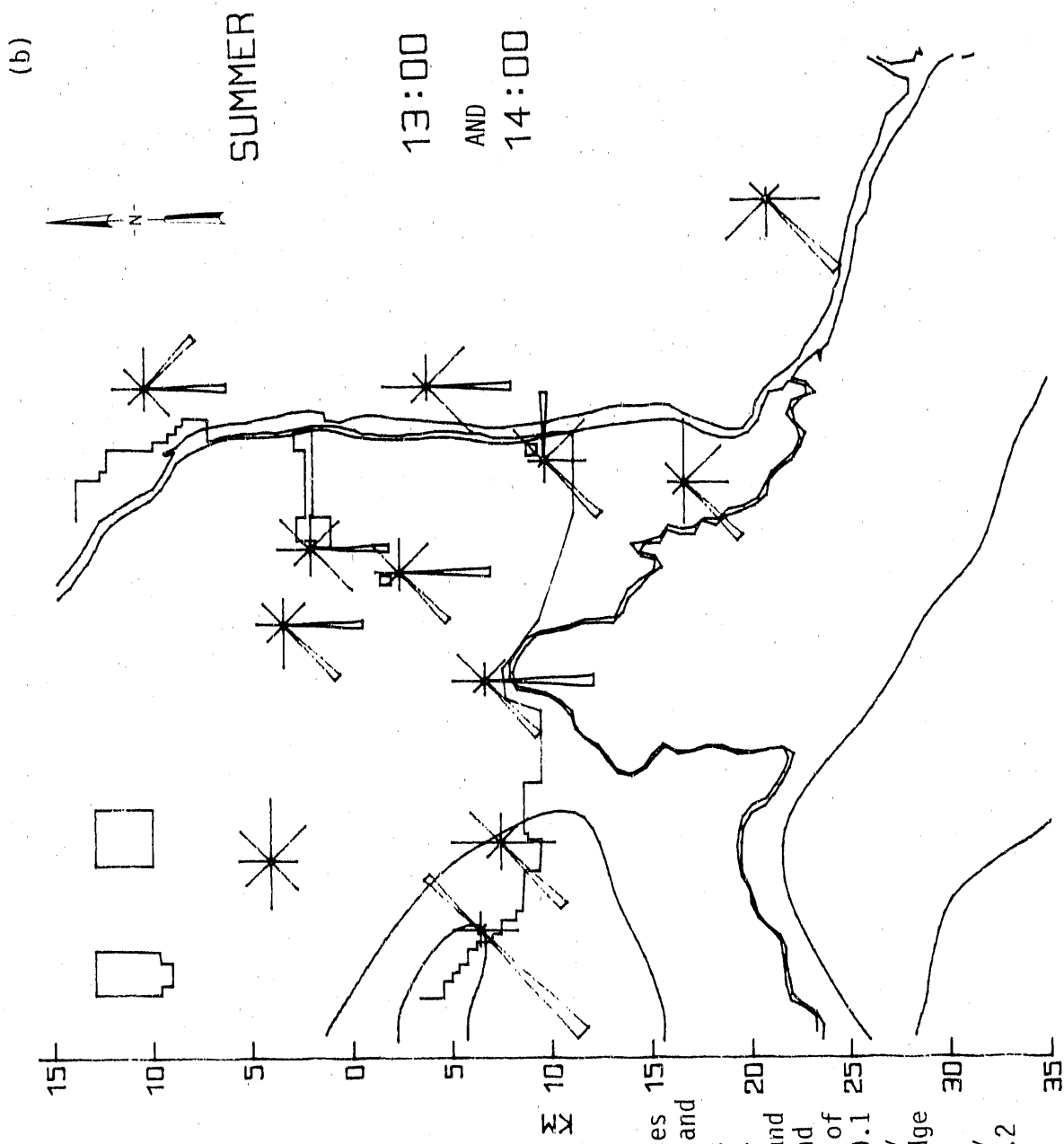
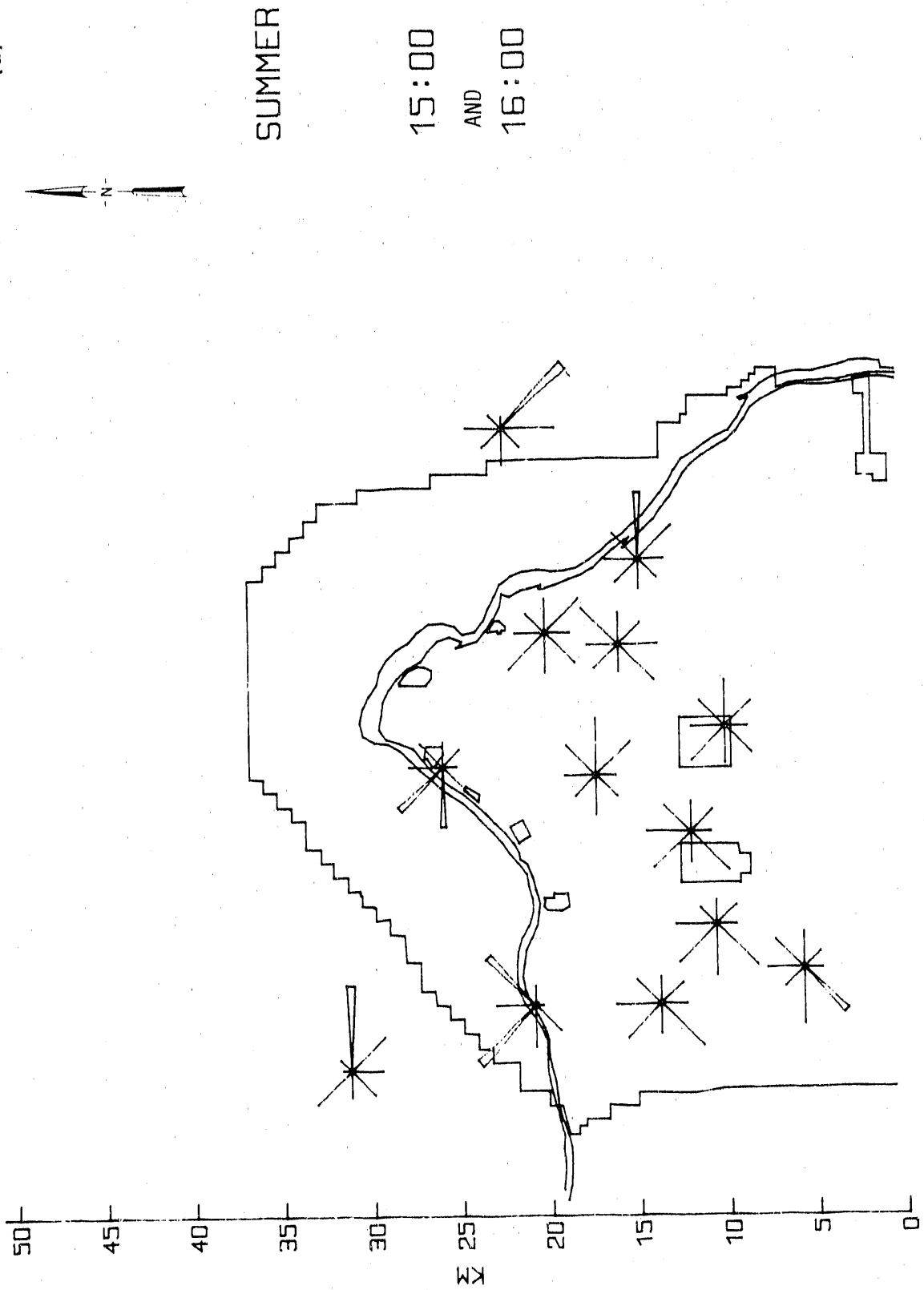


FIGURE 5.37. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Summer Season--1300 and 1400 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)



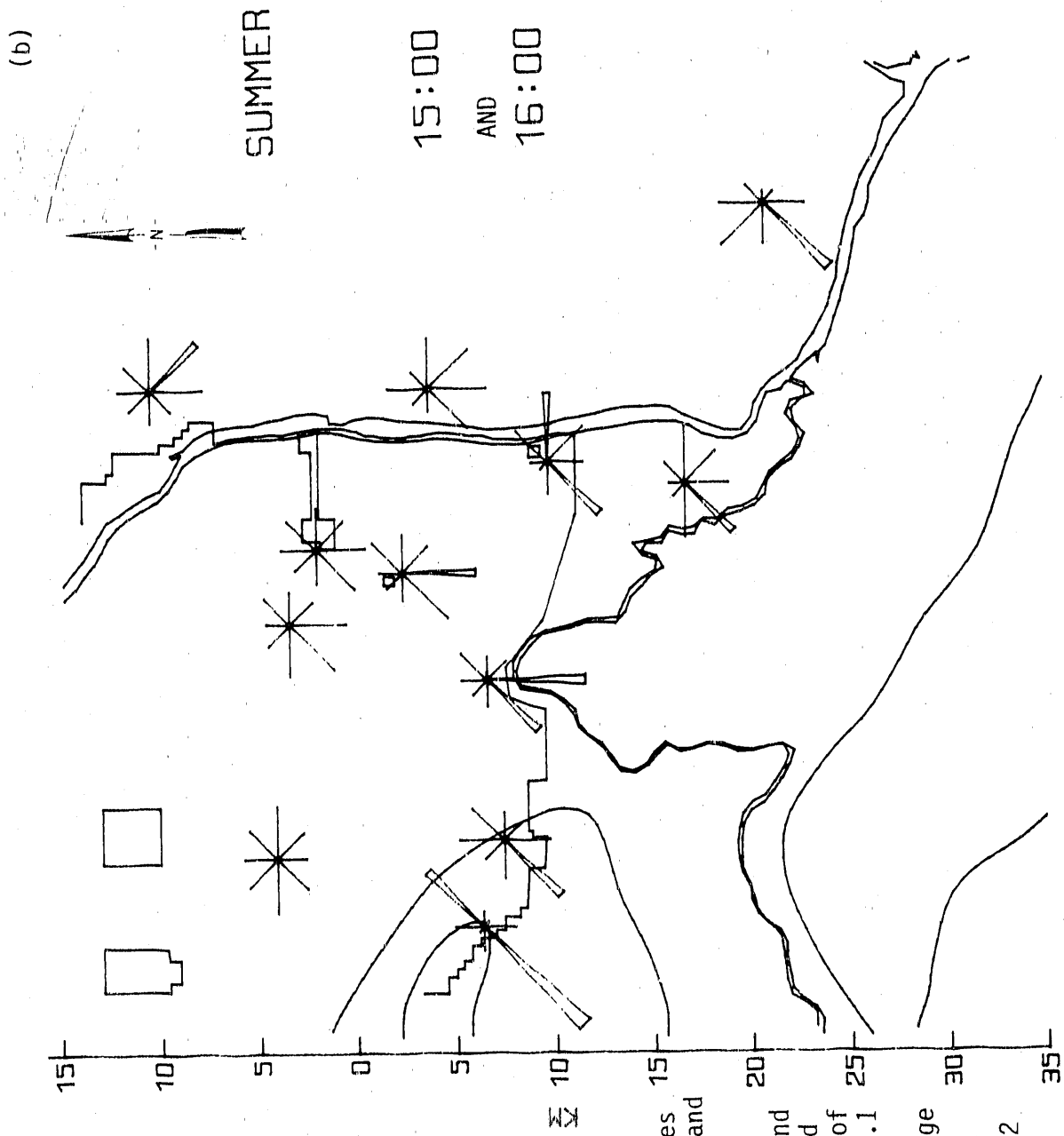
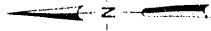


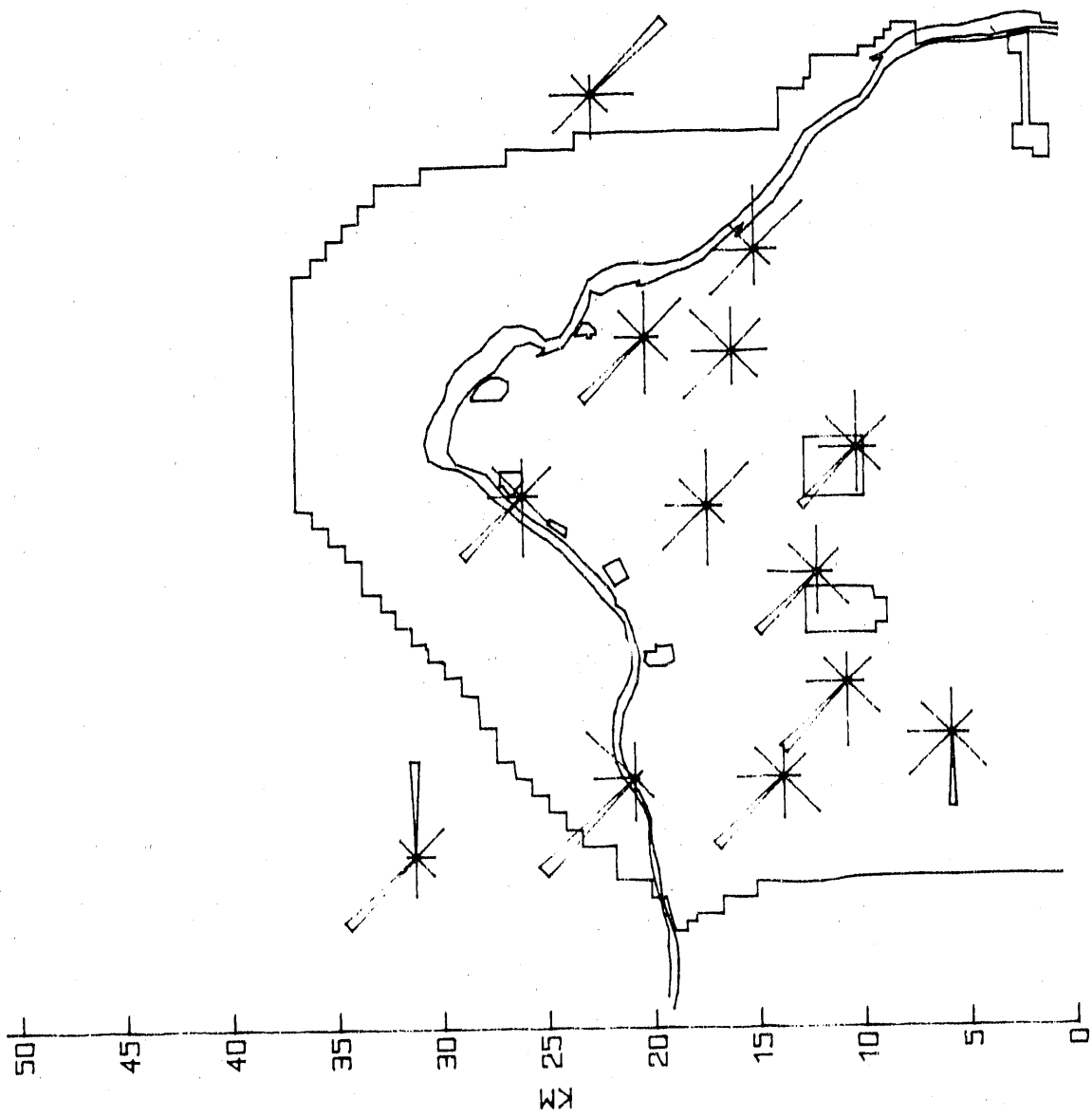
FIGURE 5.38. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Summer Season--1500 and 1600 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)



SUMMER

17:00
AND
18:00



5.150

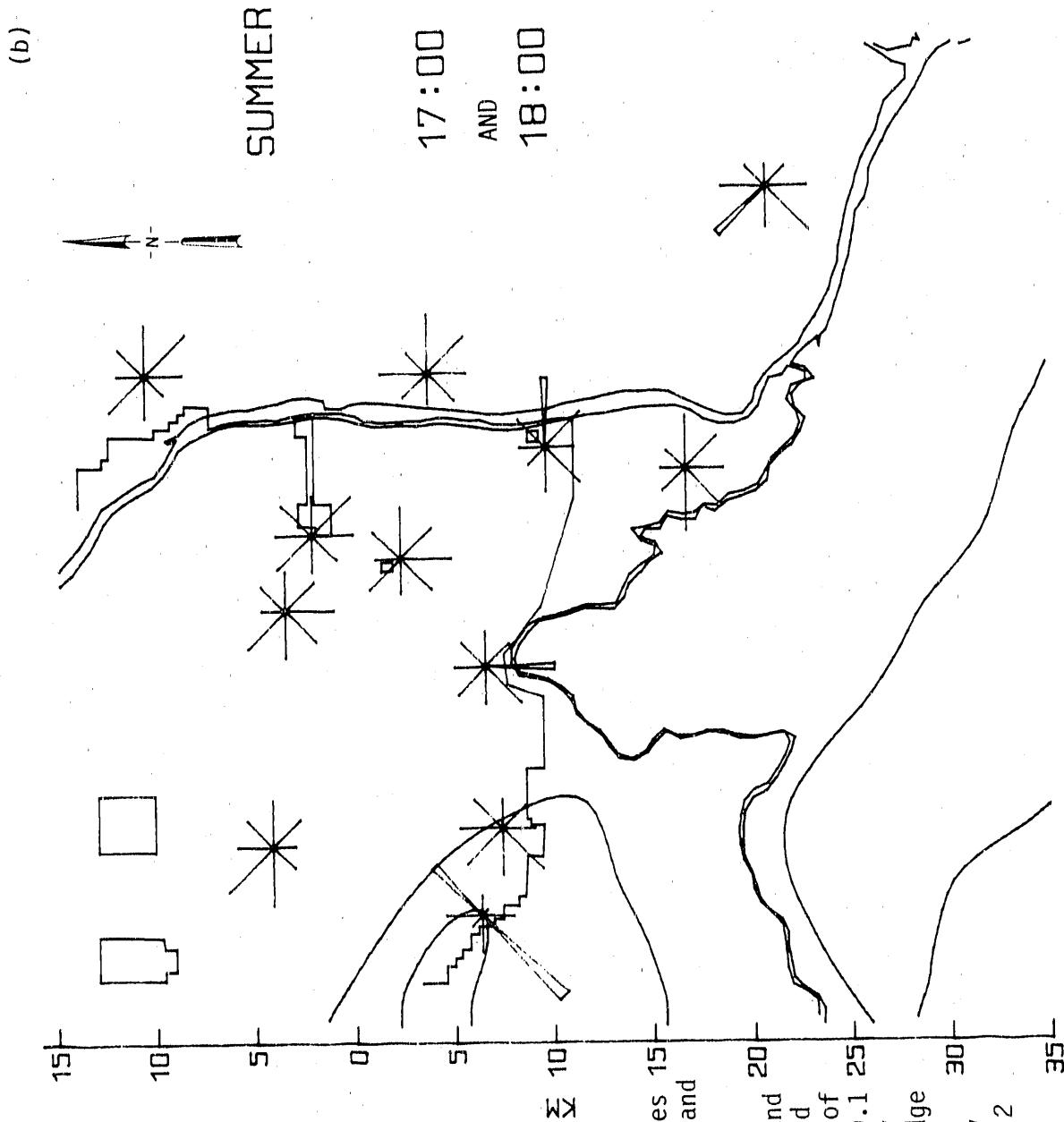


FIGURE 5.39. Wind Roses (a) and for the Northern (a) and Southern (b) Portions of the Hanford Site-- Summer Season--1700 and 1800 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

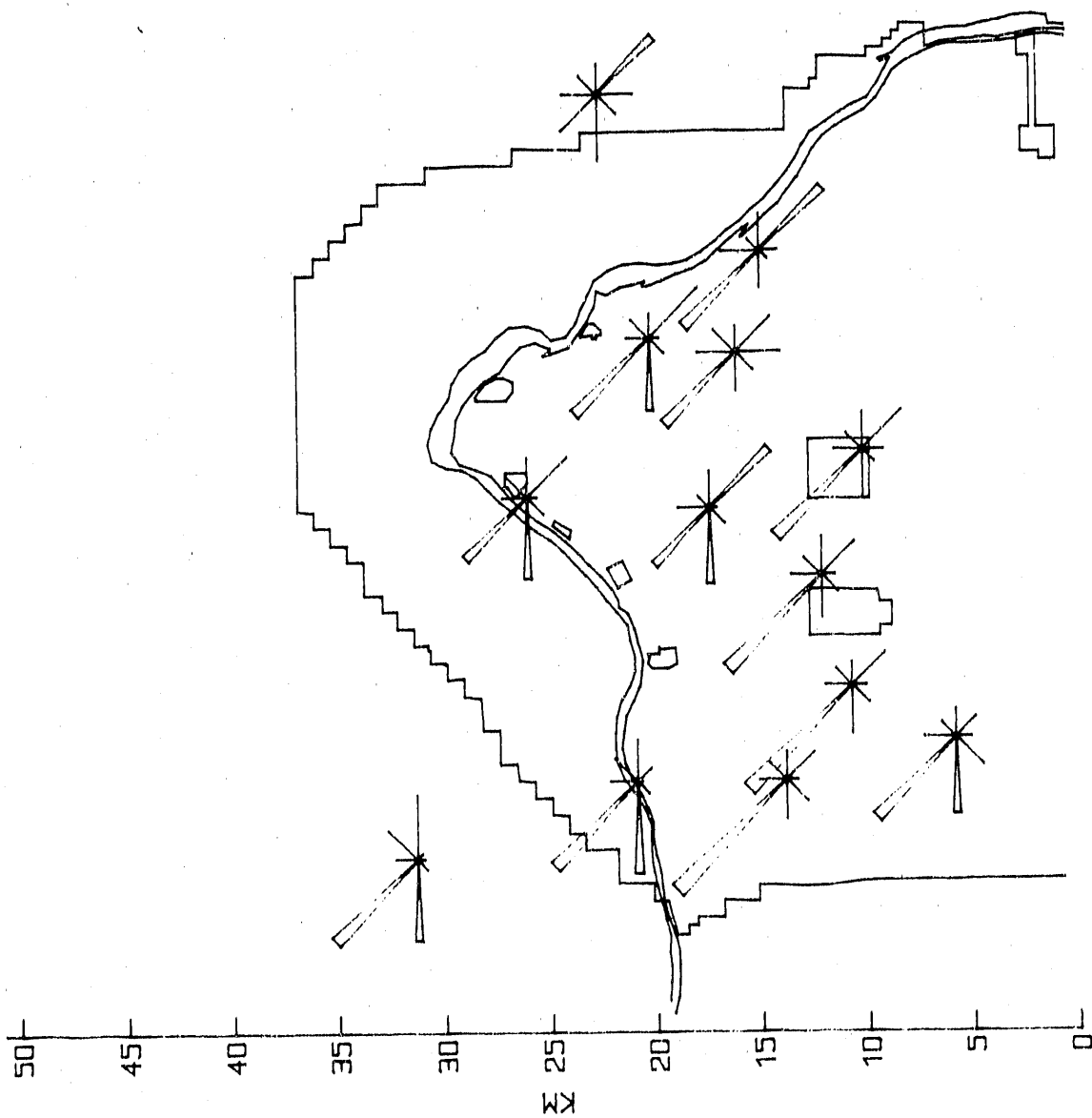
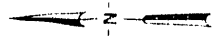
(a)

SUMMER

19:00

AND

20:00



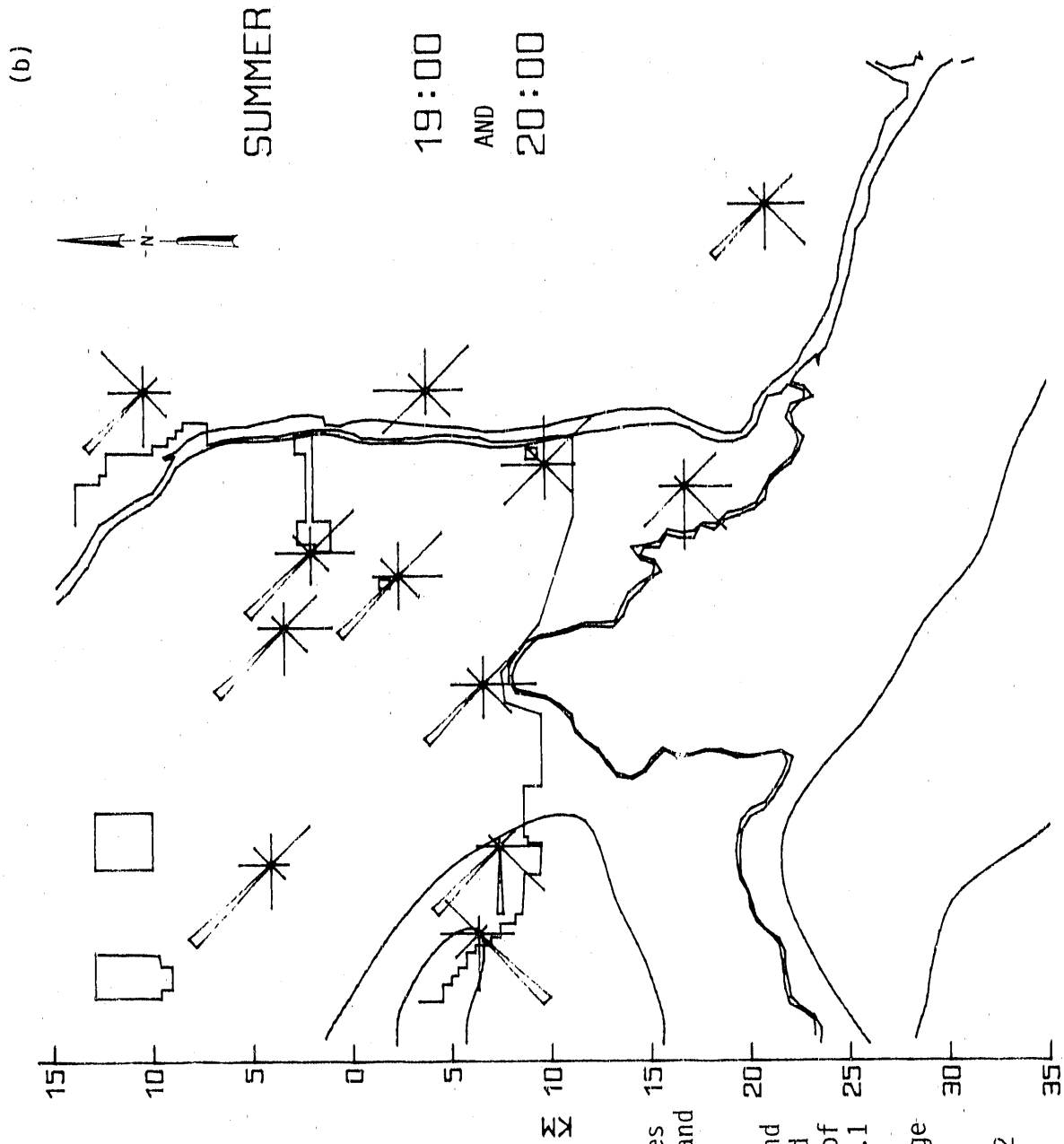
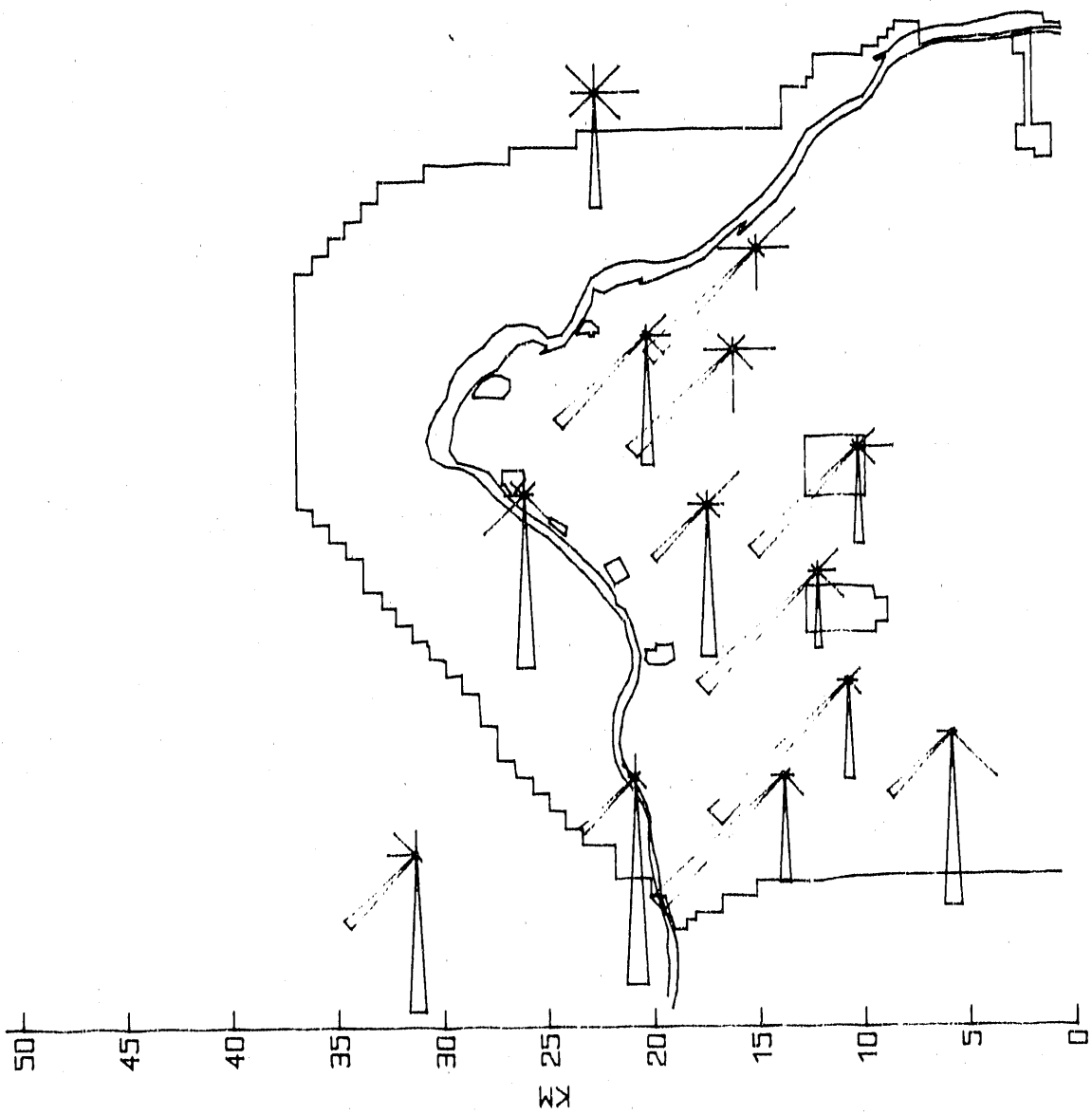
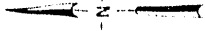


FIGURE 5.40. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Summer Season--1900 and 2000 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

SUMMER

21:00
AND
22:00



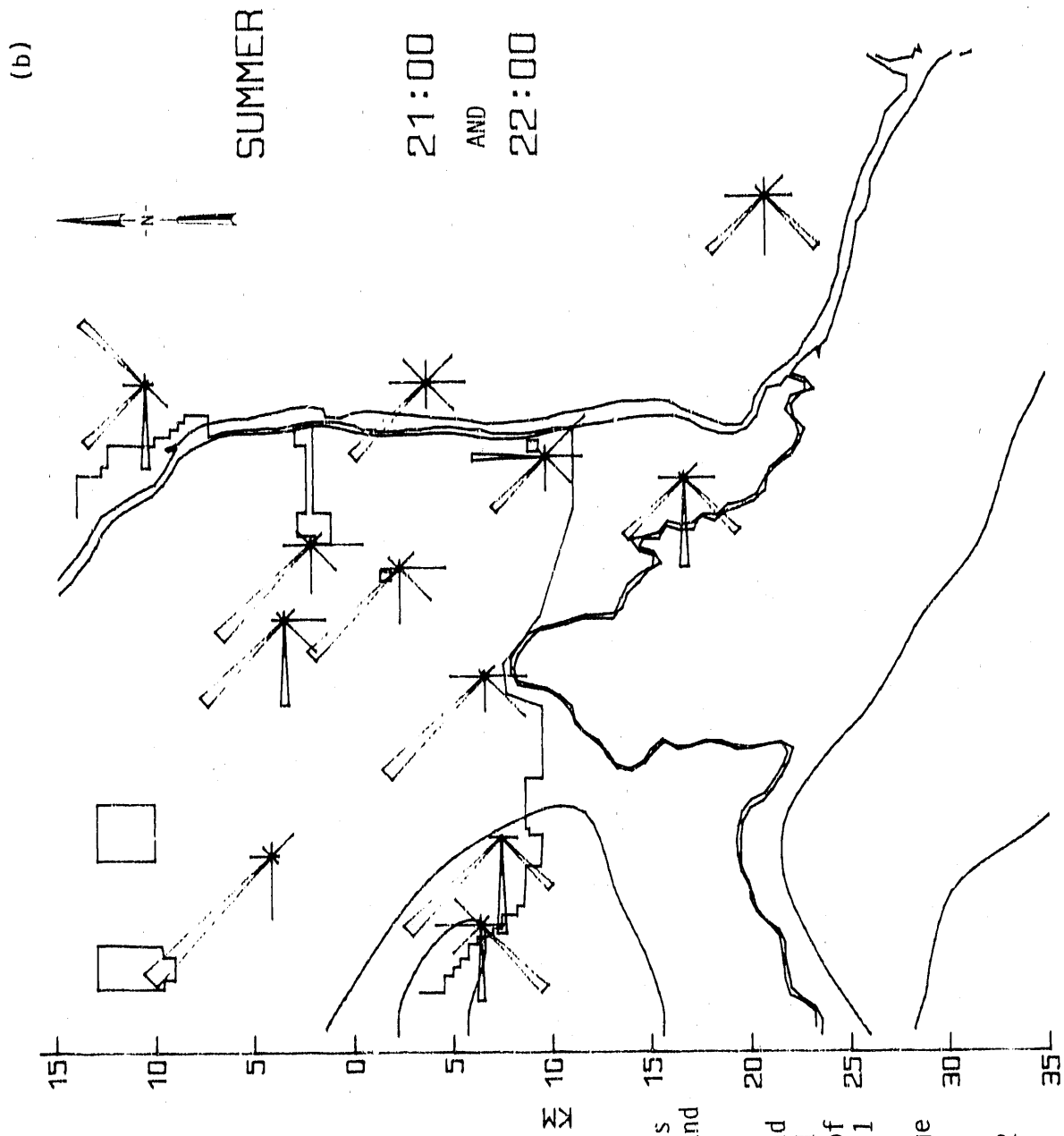
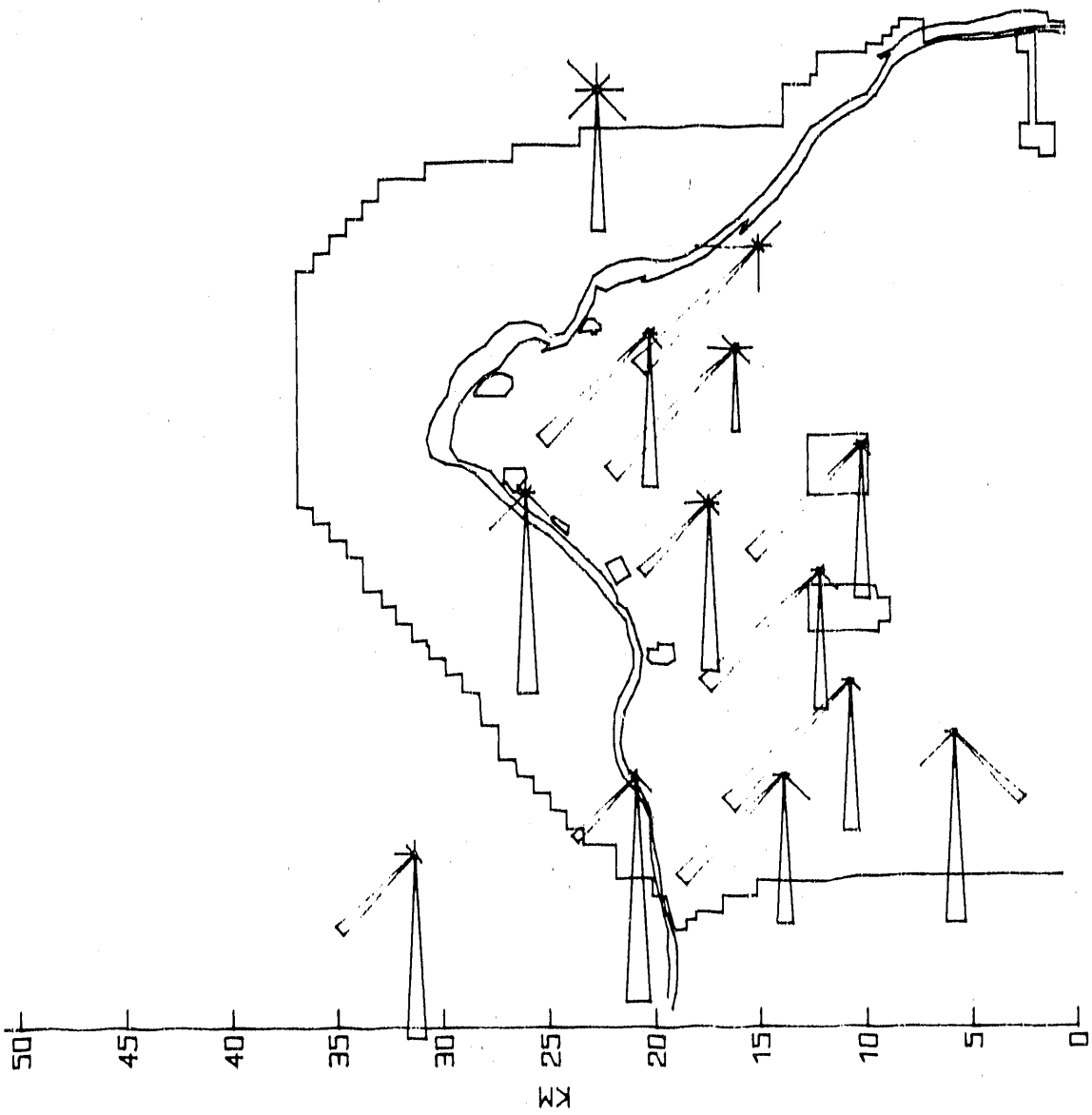
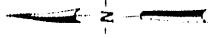


FIGURE 5.41. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Summer Season--2100 and 2200 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

SUMMER

23:00
AND
24:00



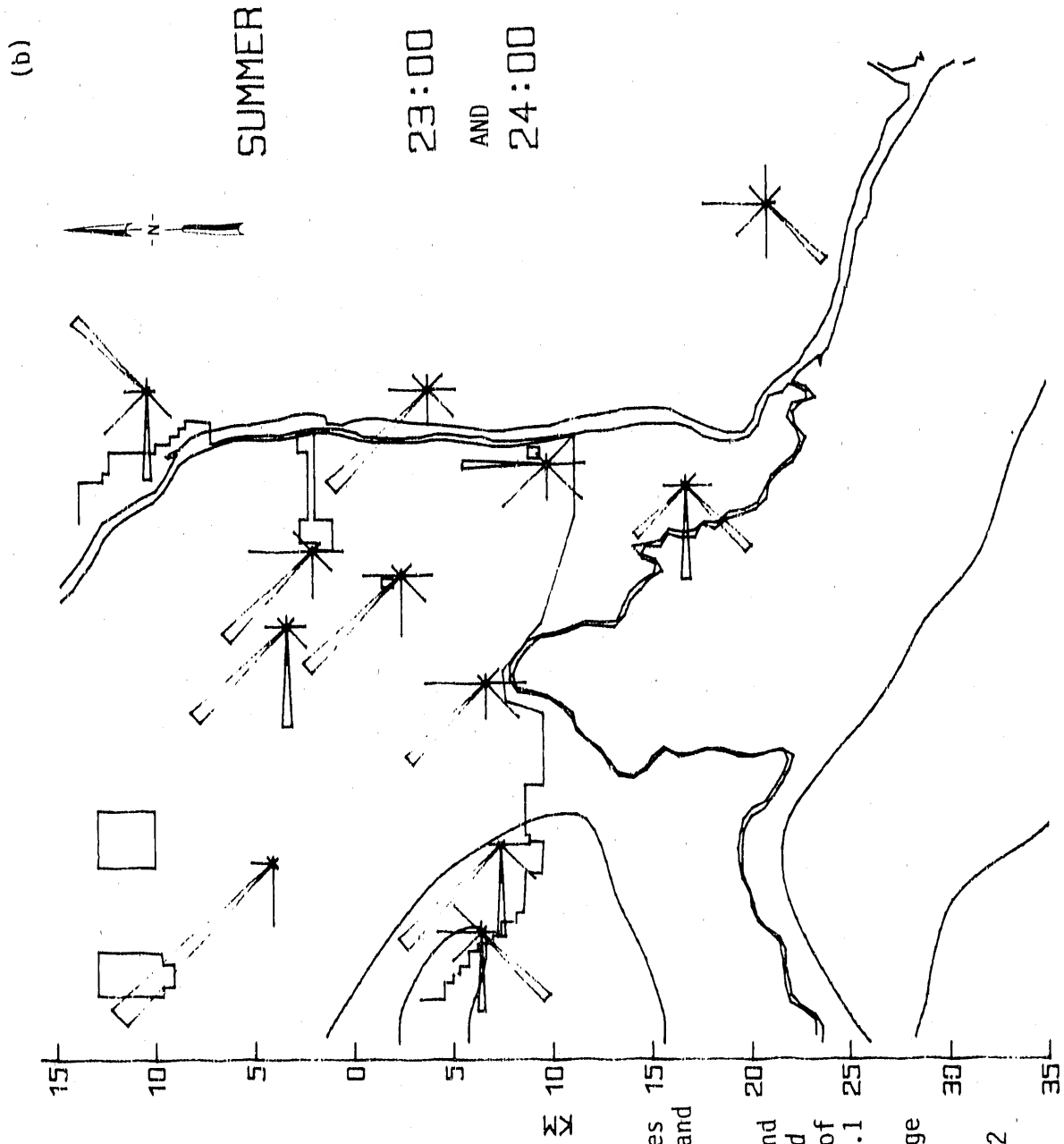
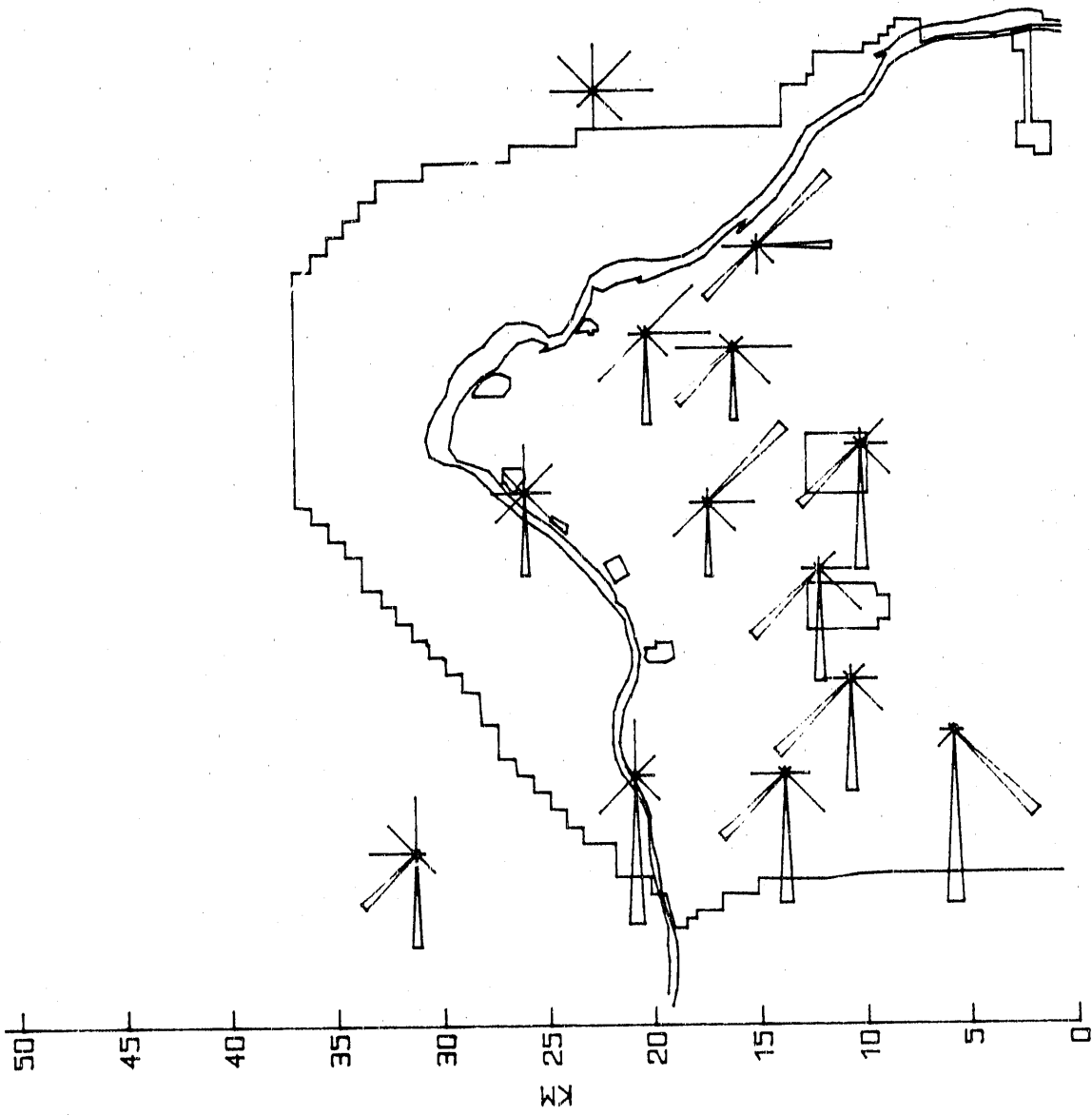
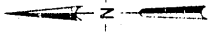


FIGURE 5.42. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Summer Season--2300 and 2400 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

FALL

1:00
AND
2:00



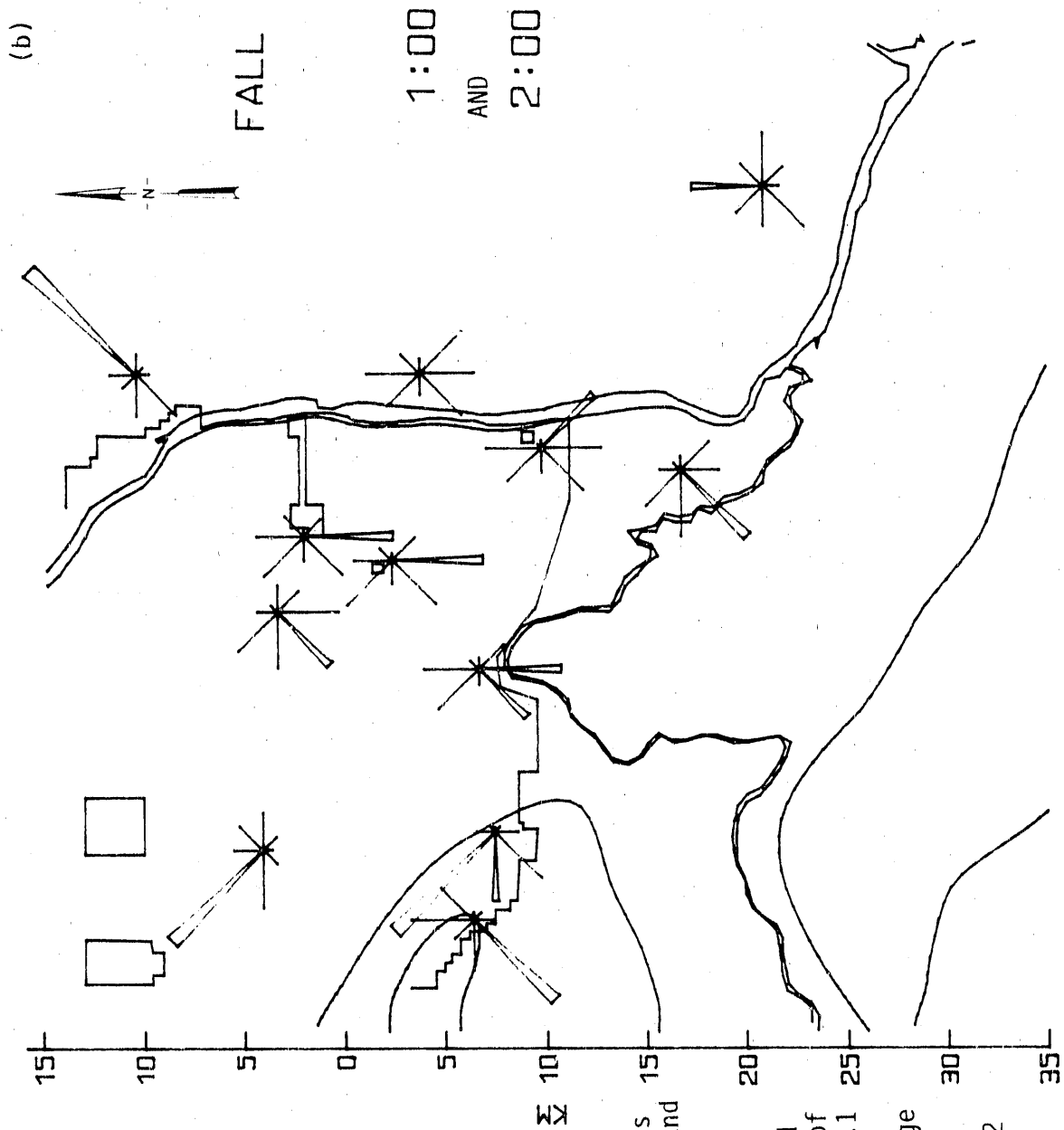
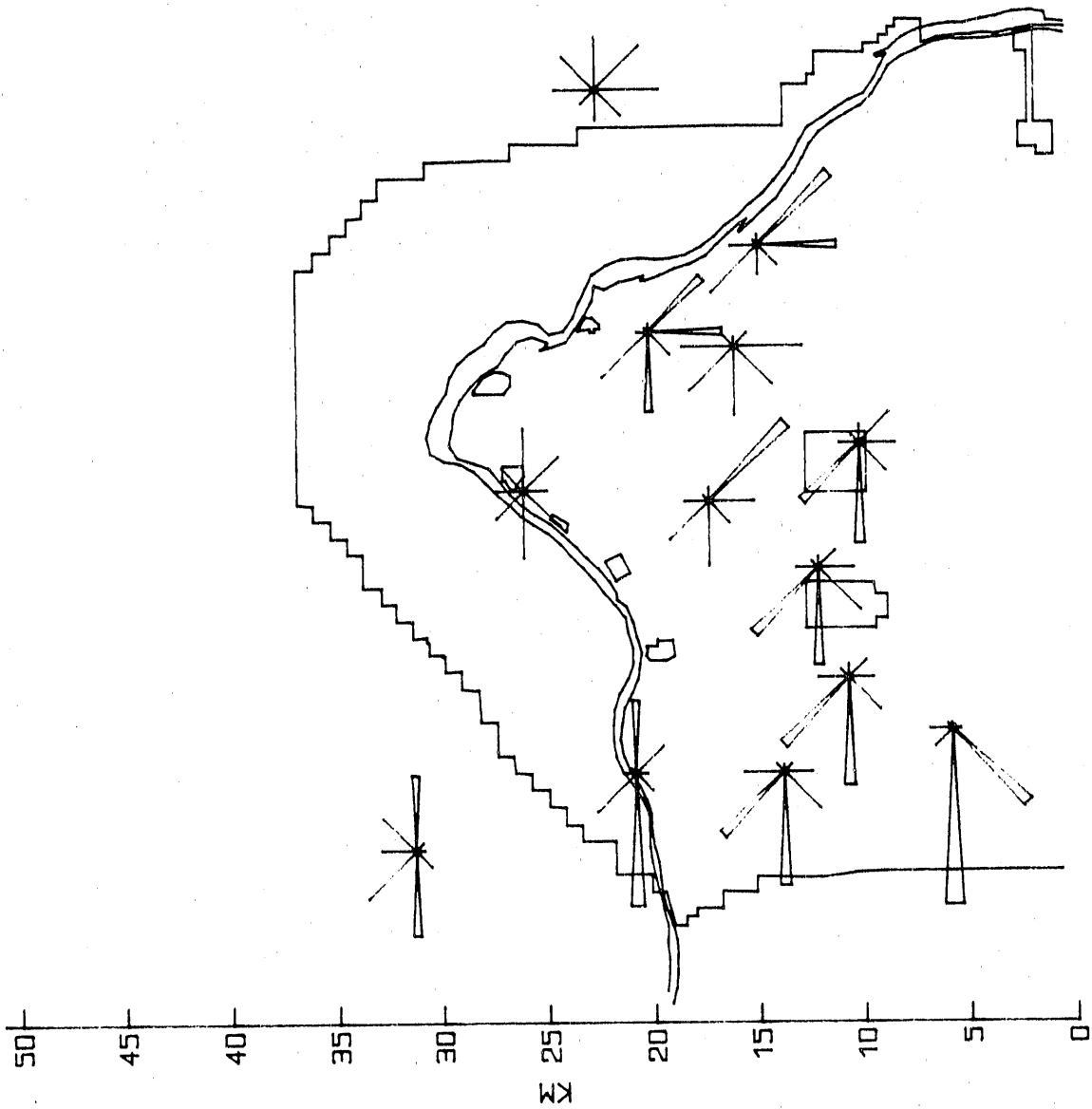
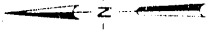


FIGURE 5.43. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Fall Season--0100 and 0200 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

FALL

3:00
AND
4:00



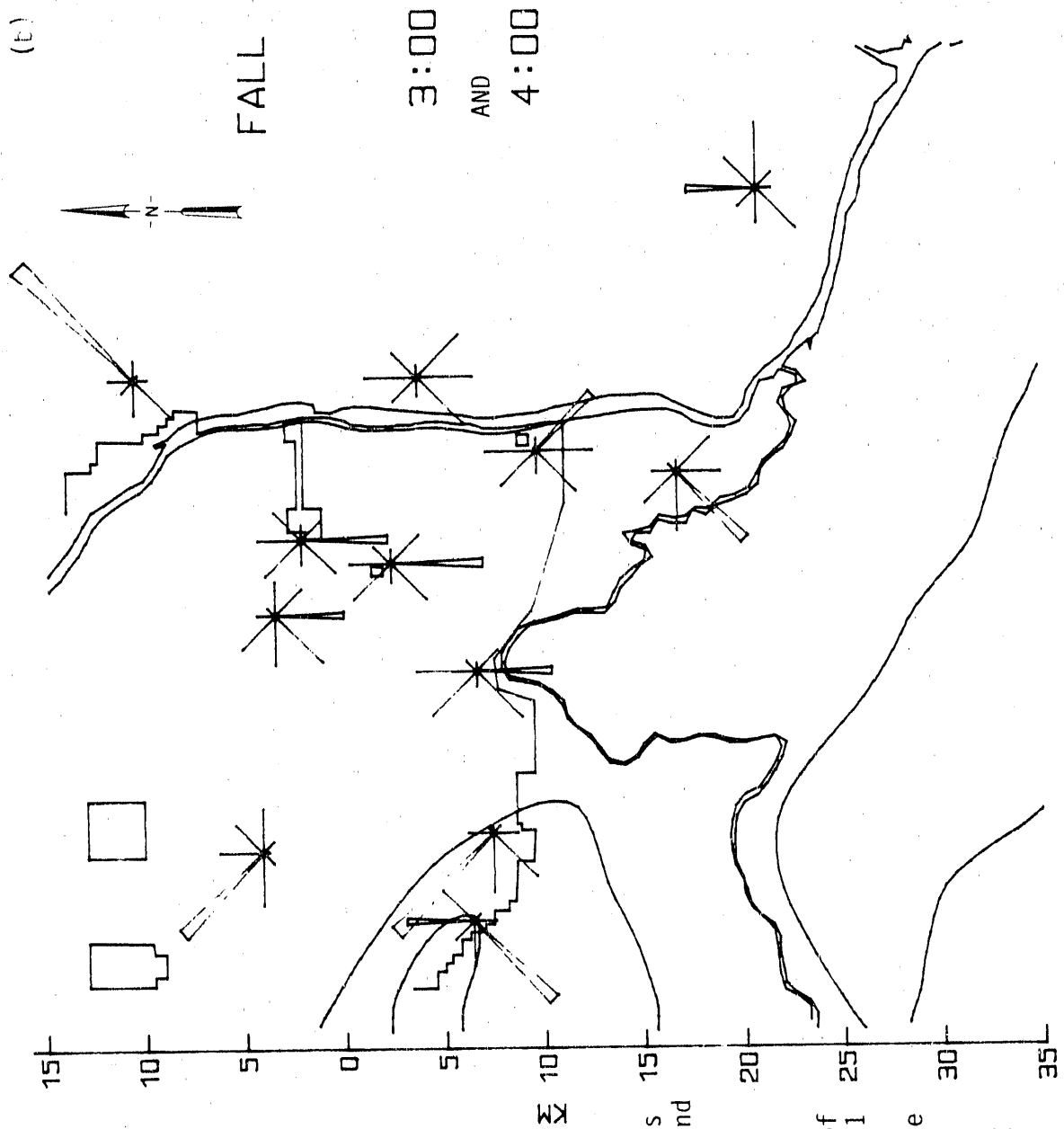
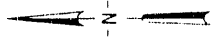


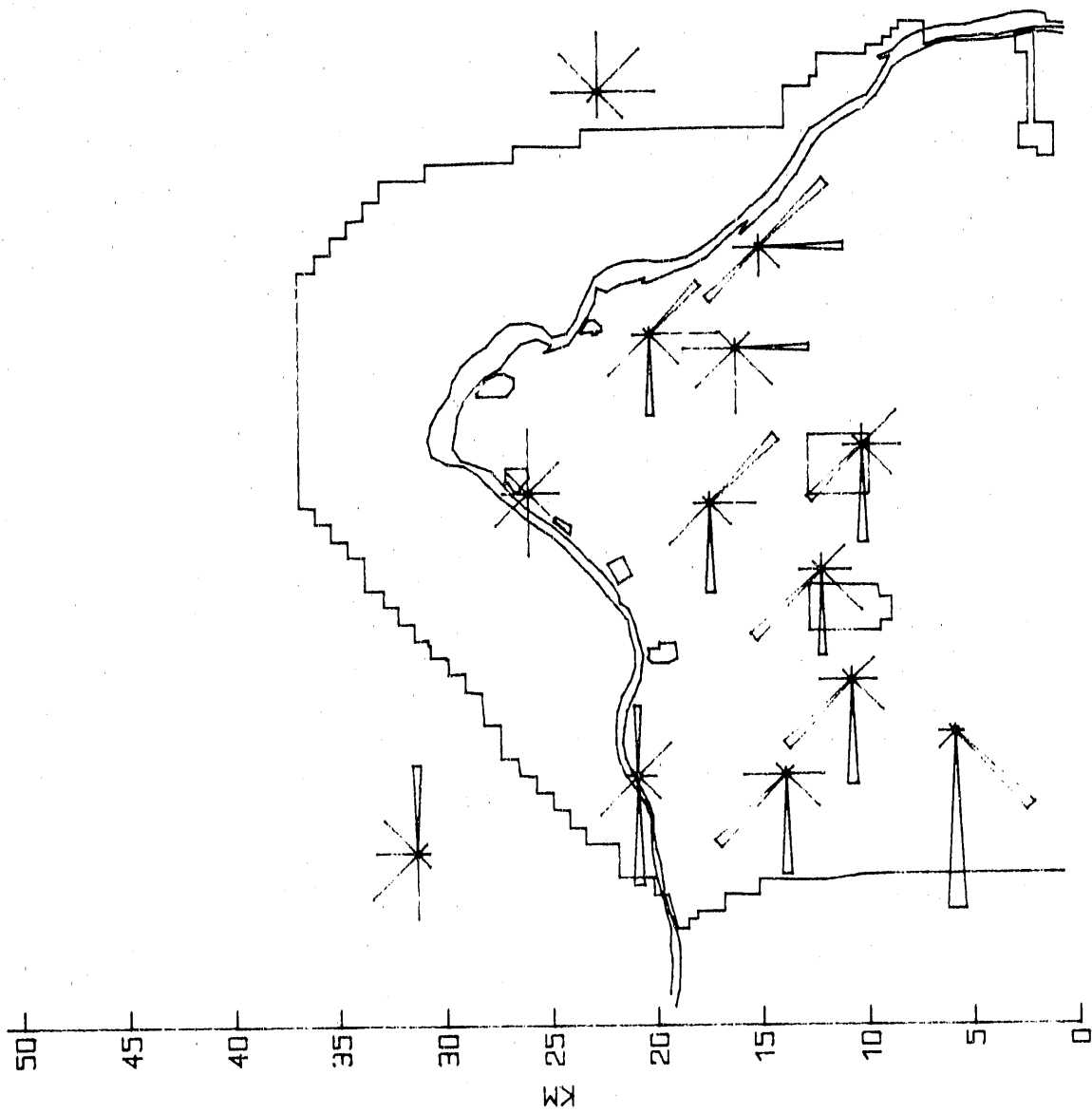
FIGURE 5.44. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Fall Season--0300 and 0400 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)



FALL

5:00
AND
6:00



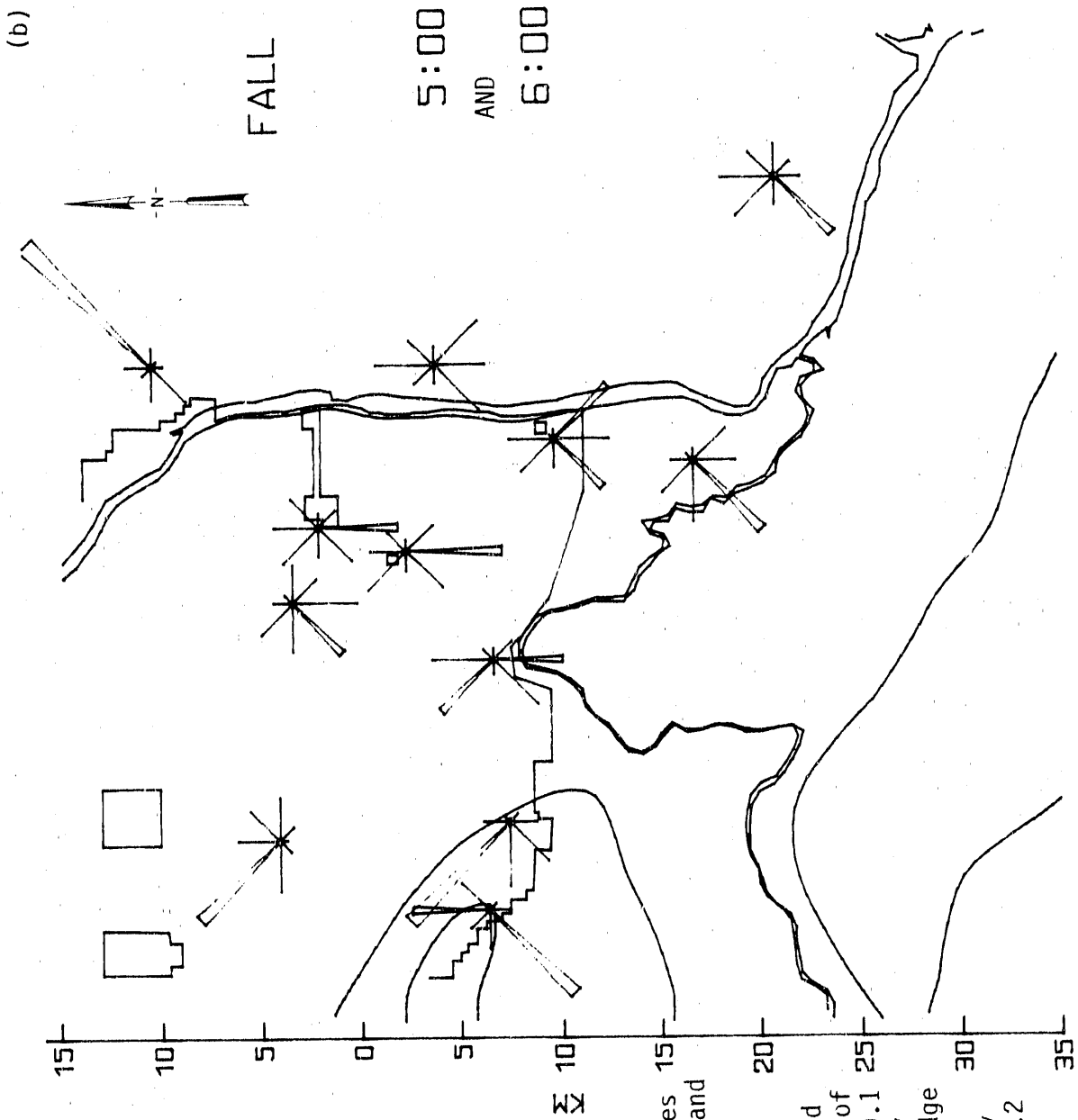
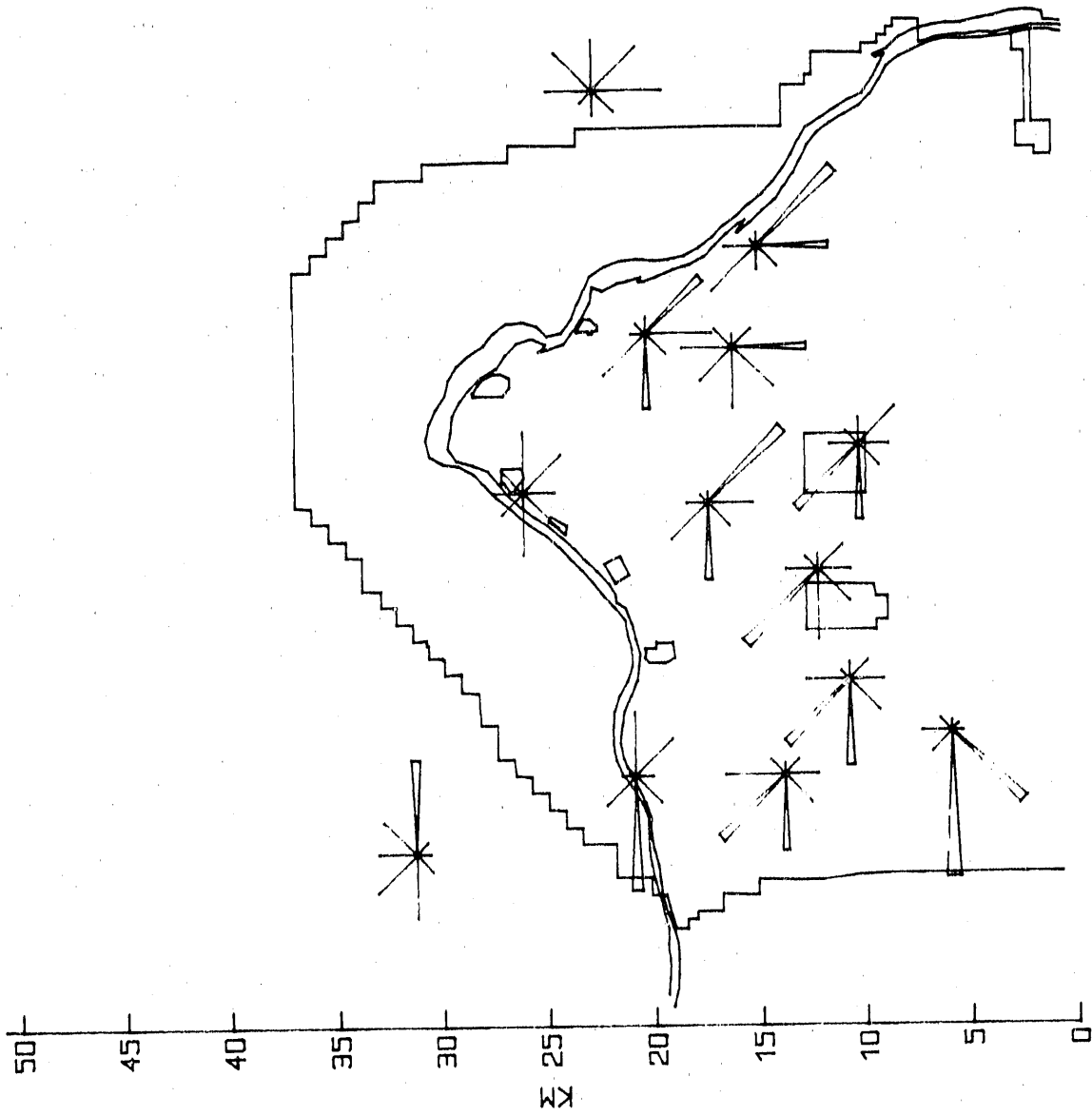
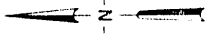


FIGURE 5.45. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Fall Season--0500 and 0600 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 frequency (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

FALL

7:00
AND
8:00



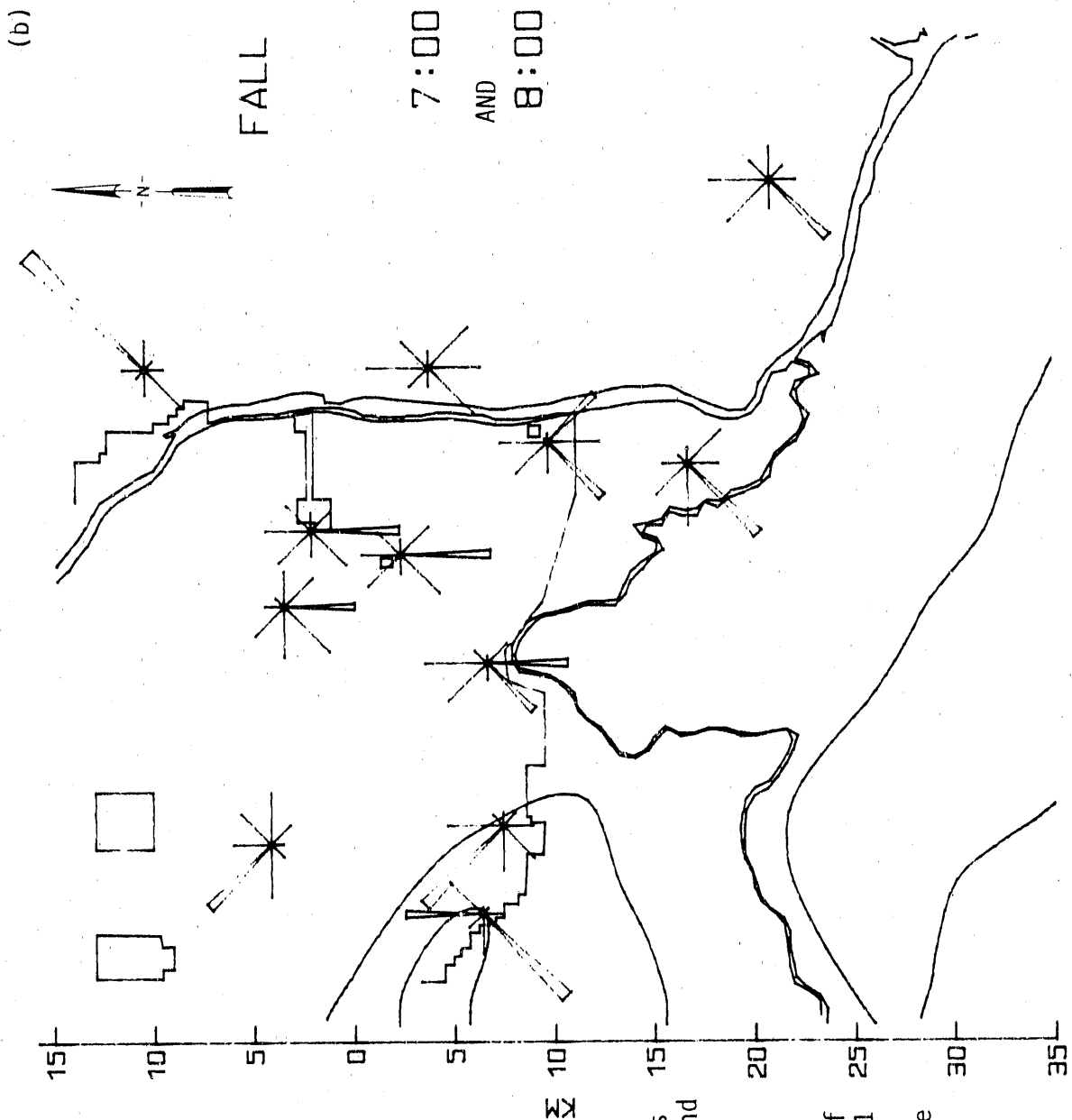
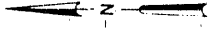


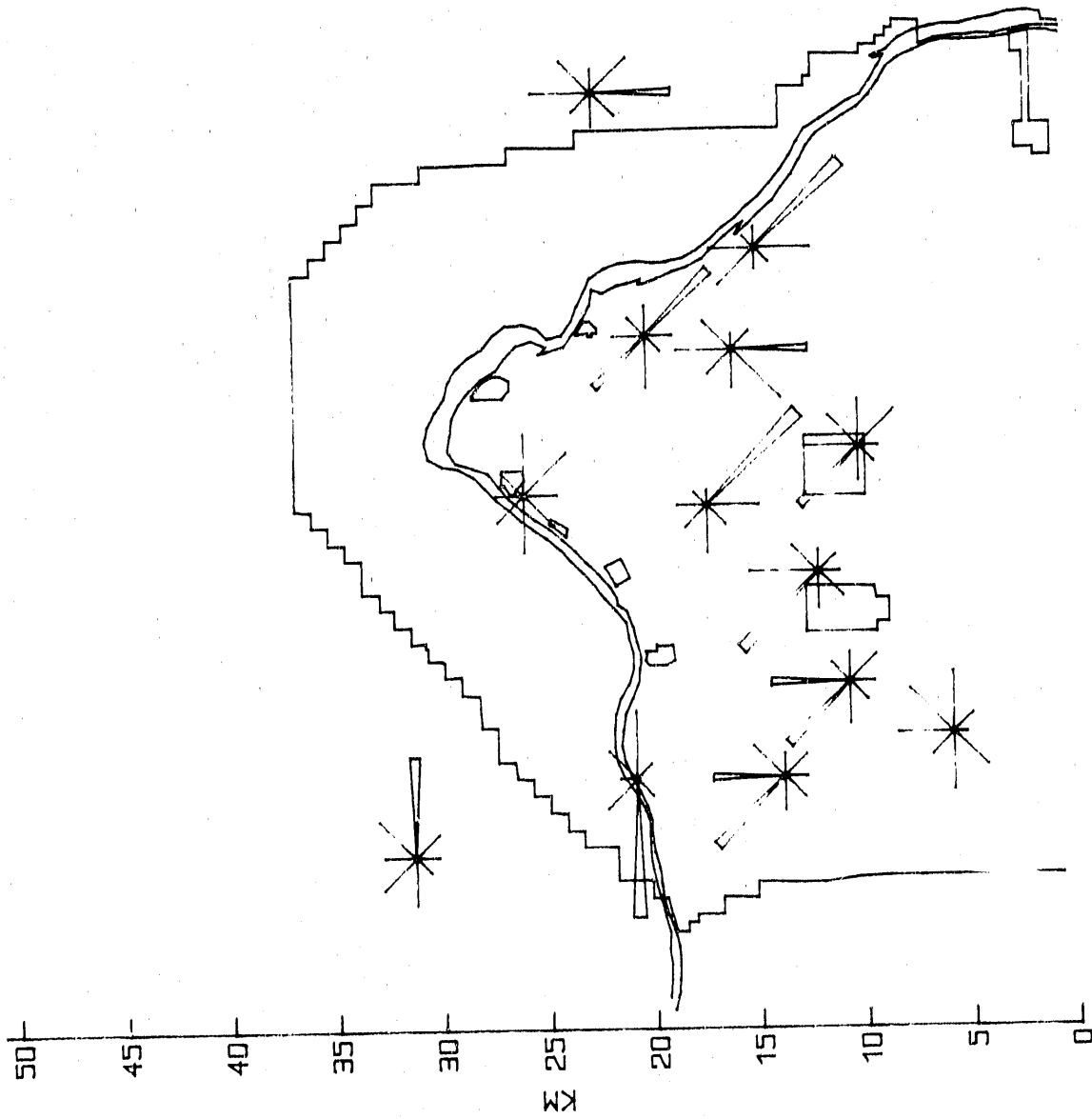
FIGURE 5.46. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Fall Season--0700 and 0800 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)



FALL

9:00
AND
10:00



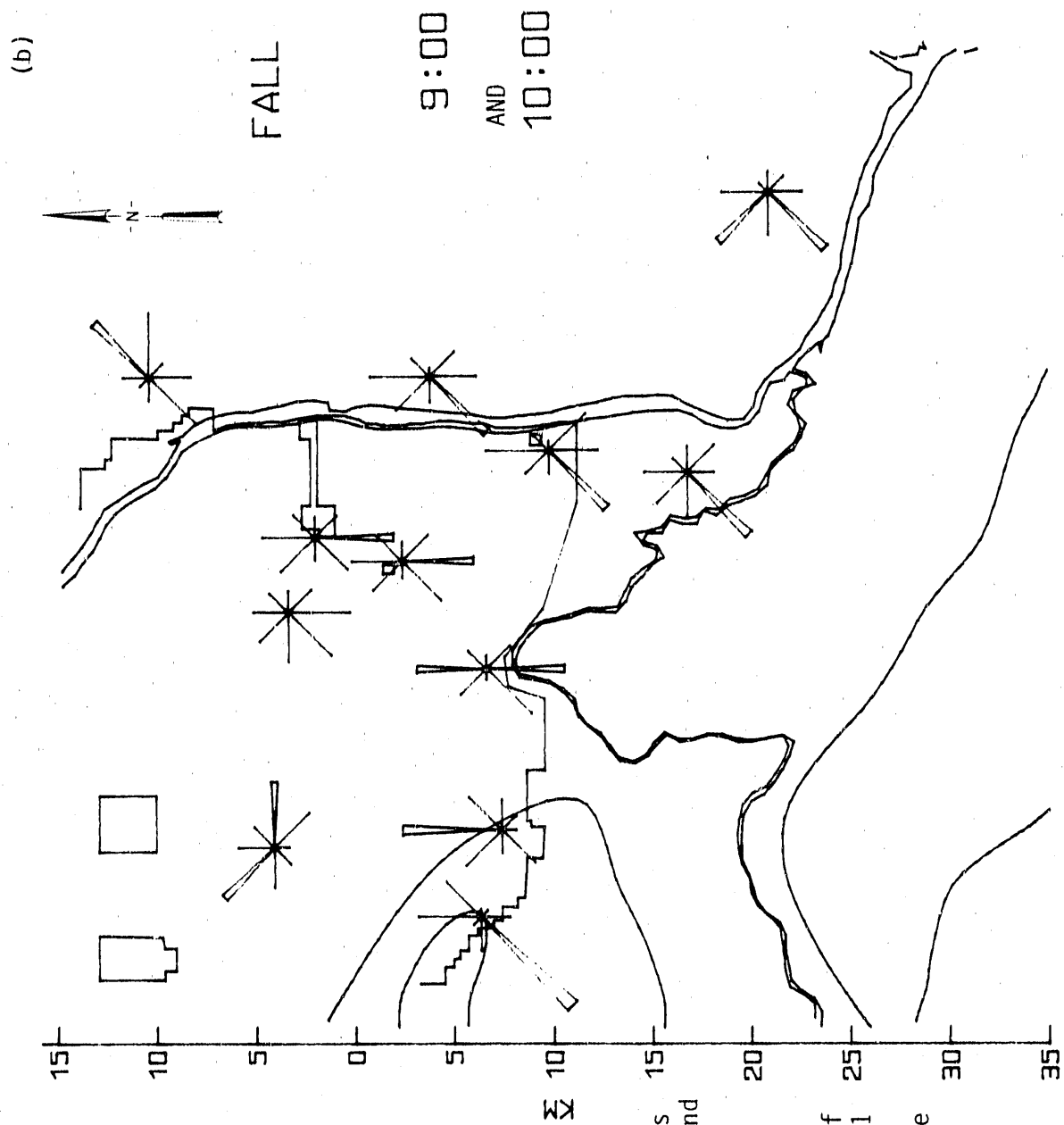
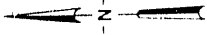


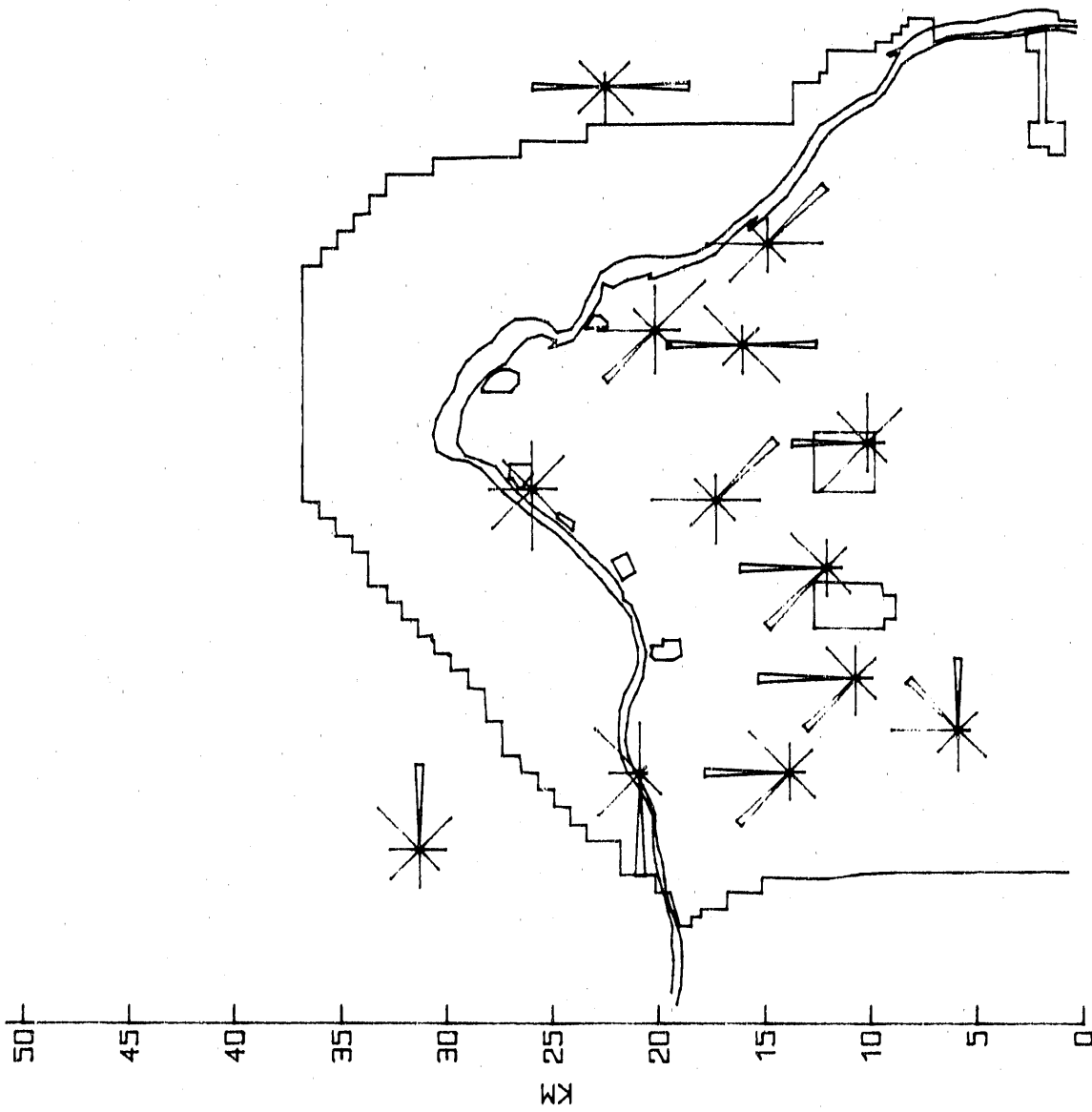
FIGURE 5.47. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Fall Season 1--0900 and 1000 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)



FALL

11:00
AND
12:00



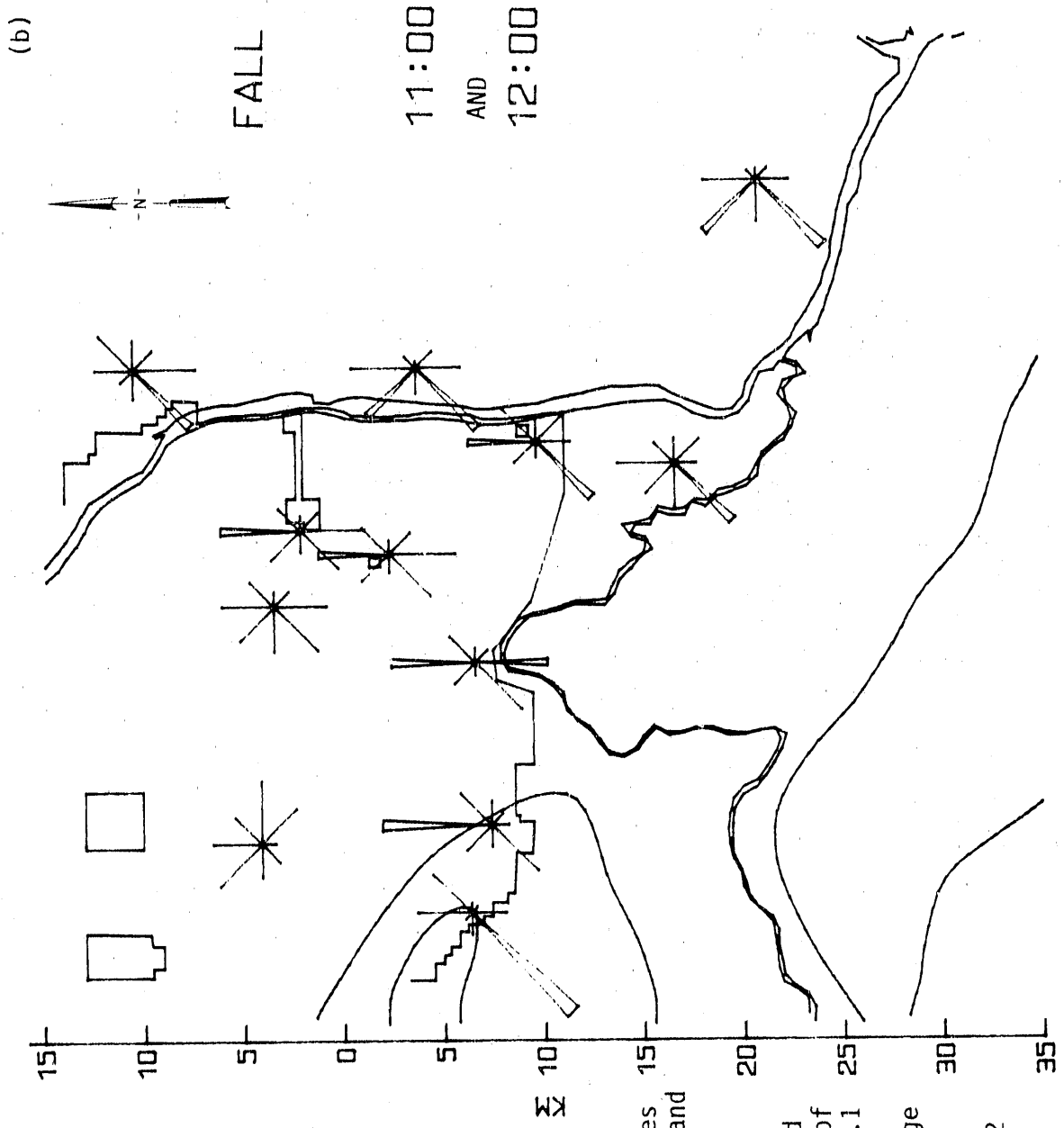


FIGURE 5.48. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Fall Season--1100 and 1200 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

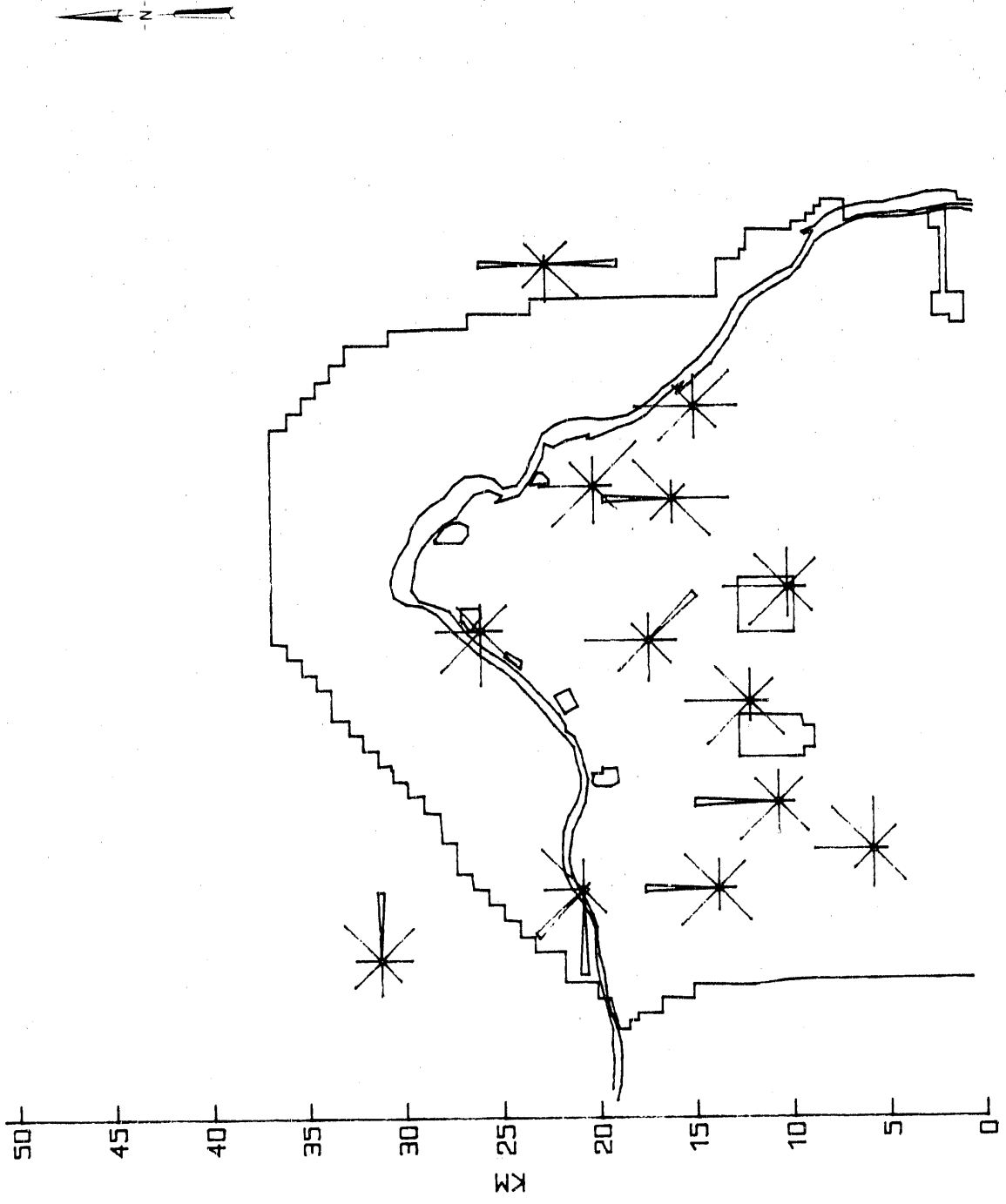
(a)

FALL

13:00

AND

14:00



(b)

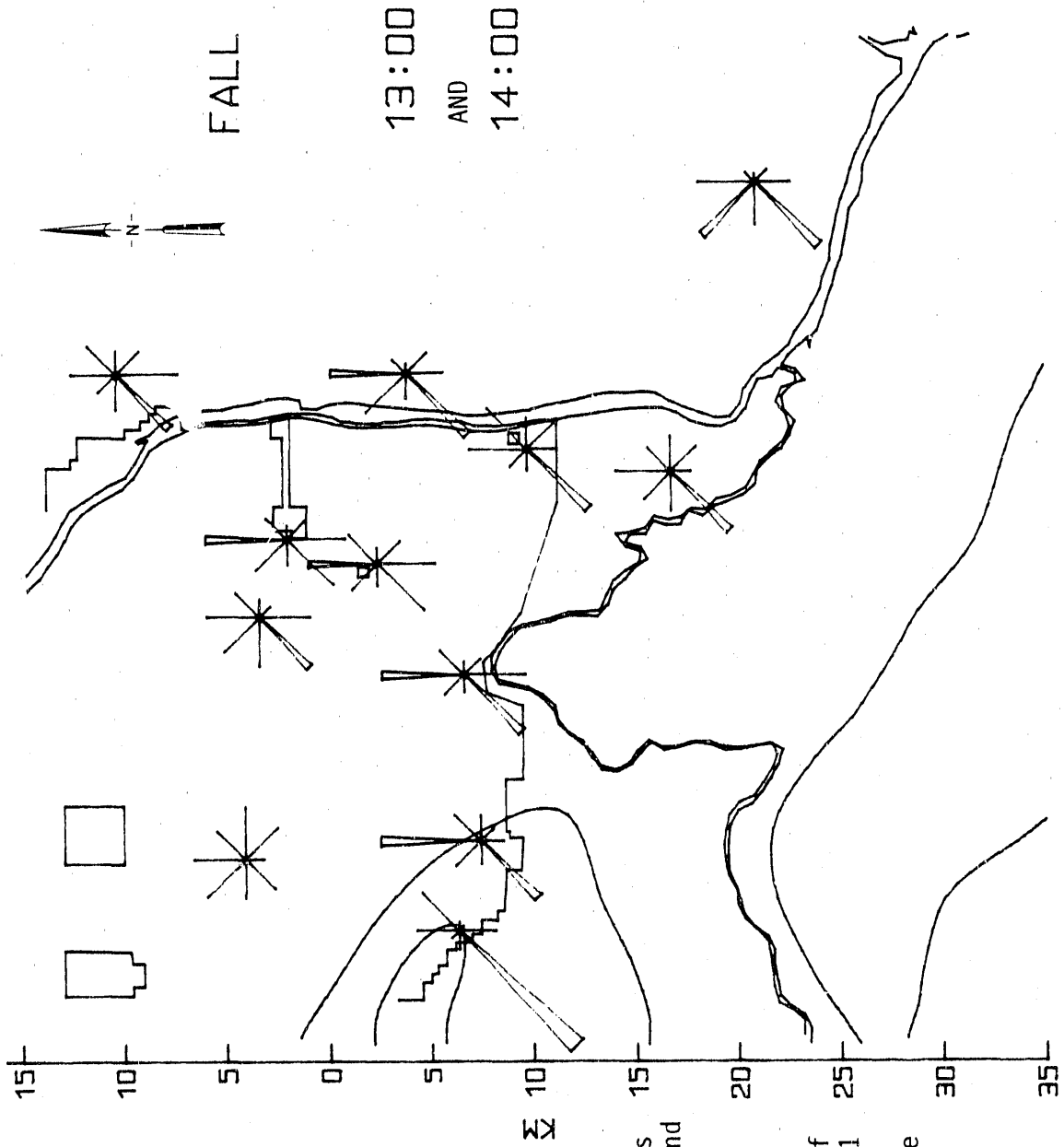
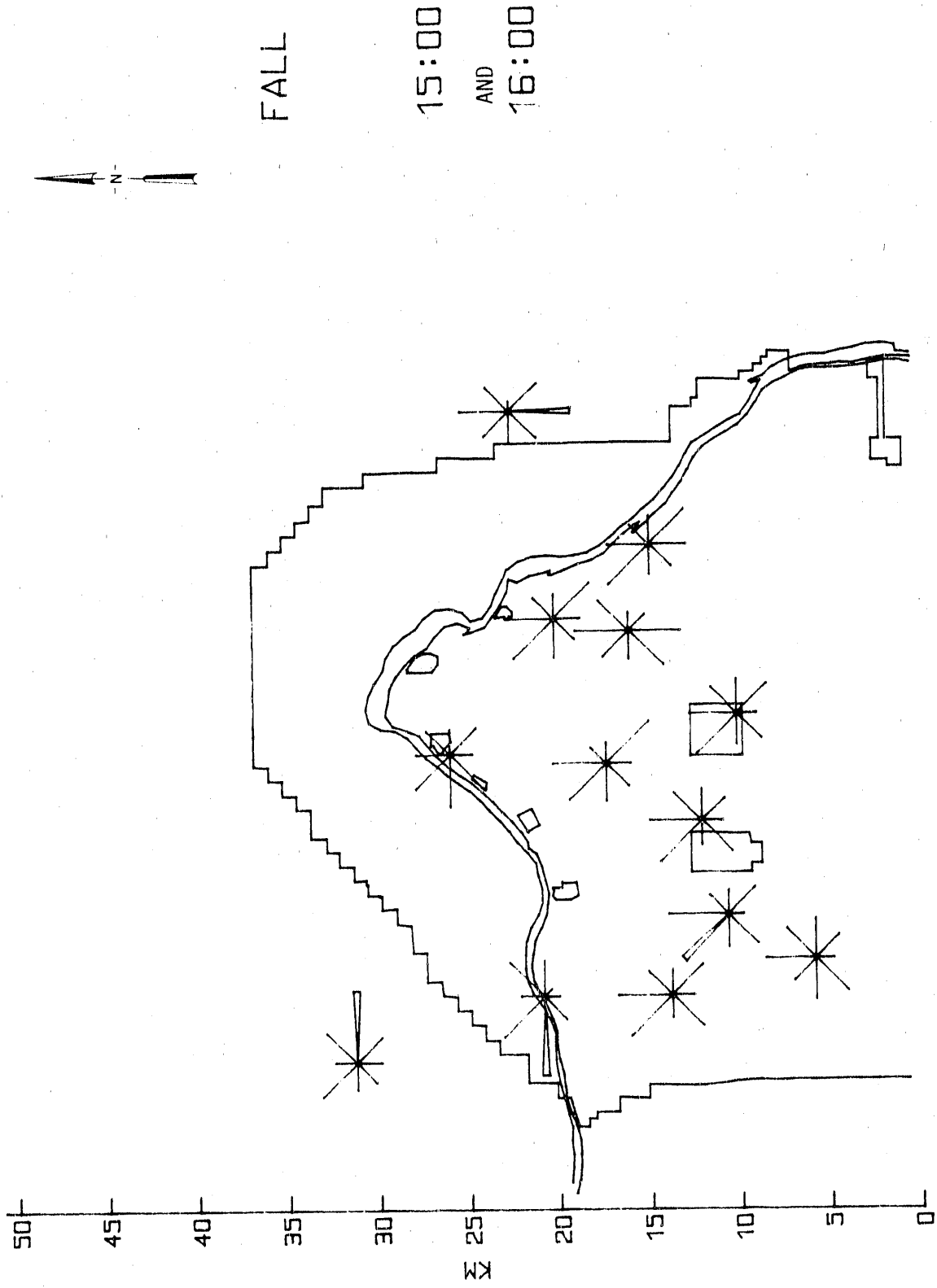


FIGURE 5.49. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Fall Season--1300 and 1400 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)



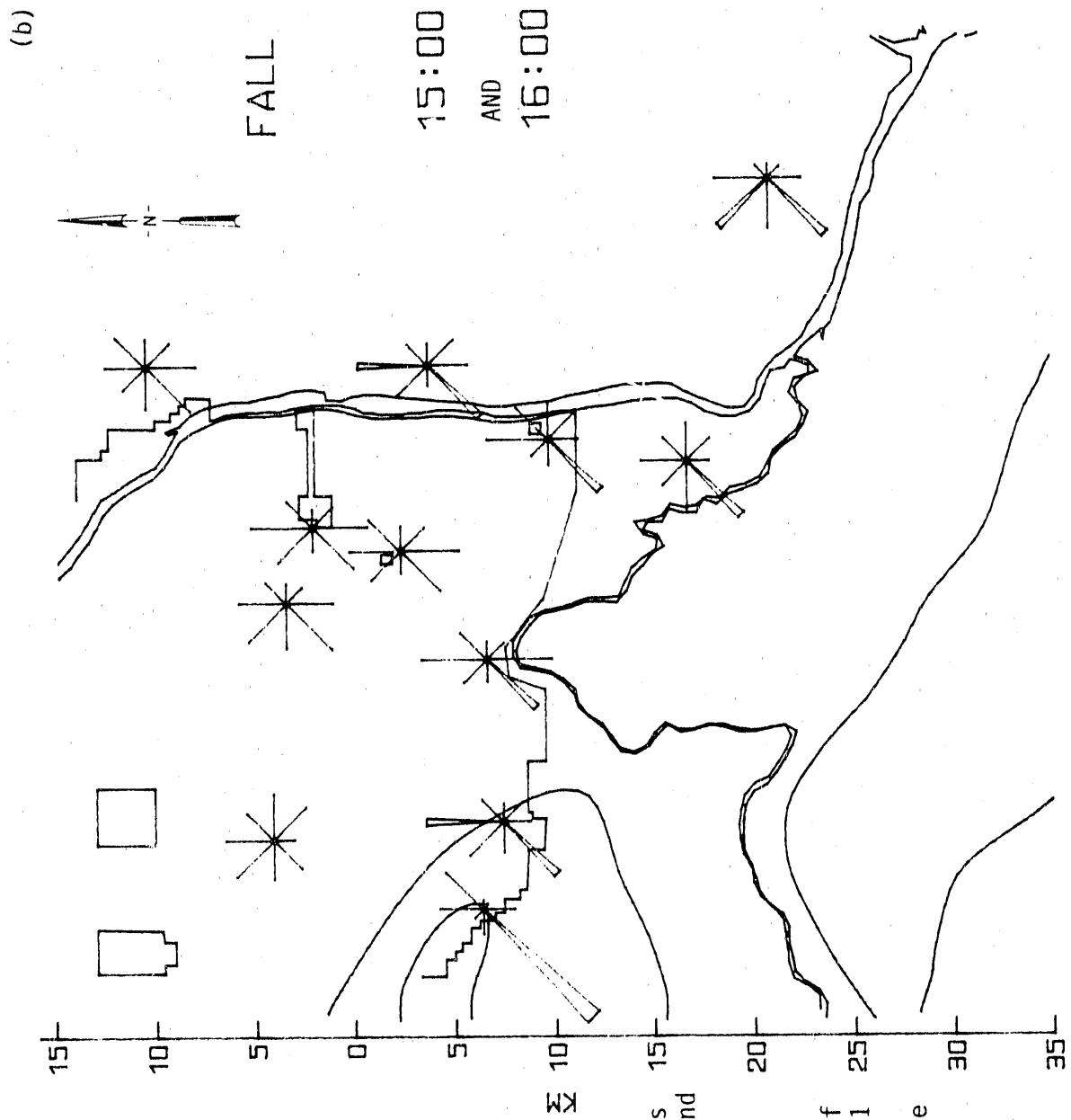


FIGURE 5.50. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Fall Season--1500 and 1600 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

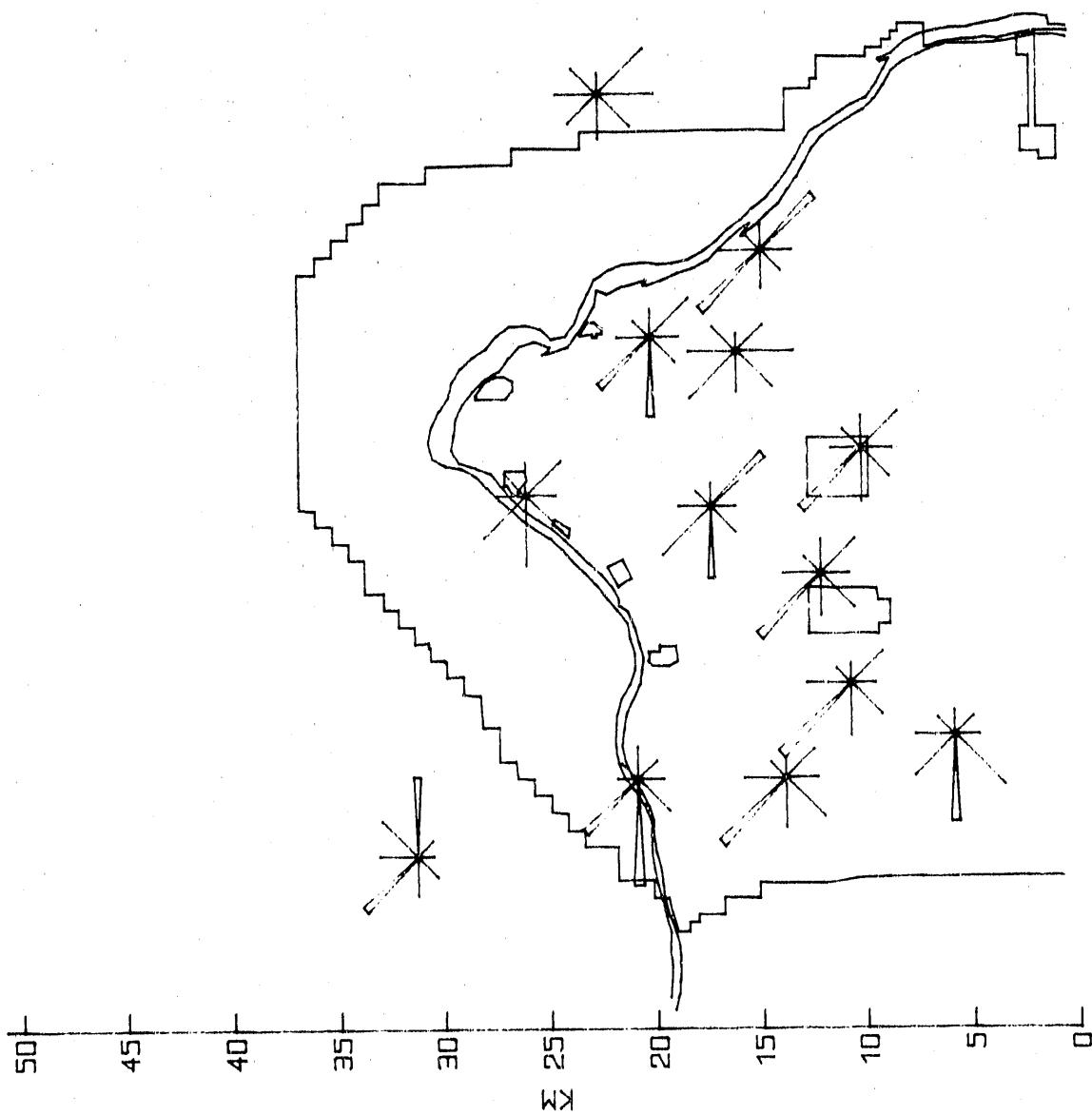
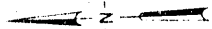
(a)

FALL

17:00

AND

18:00



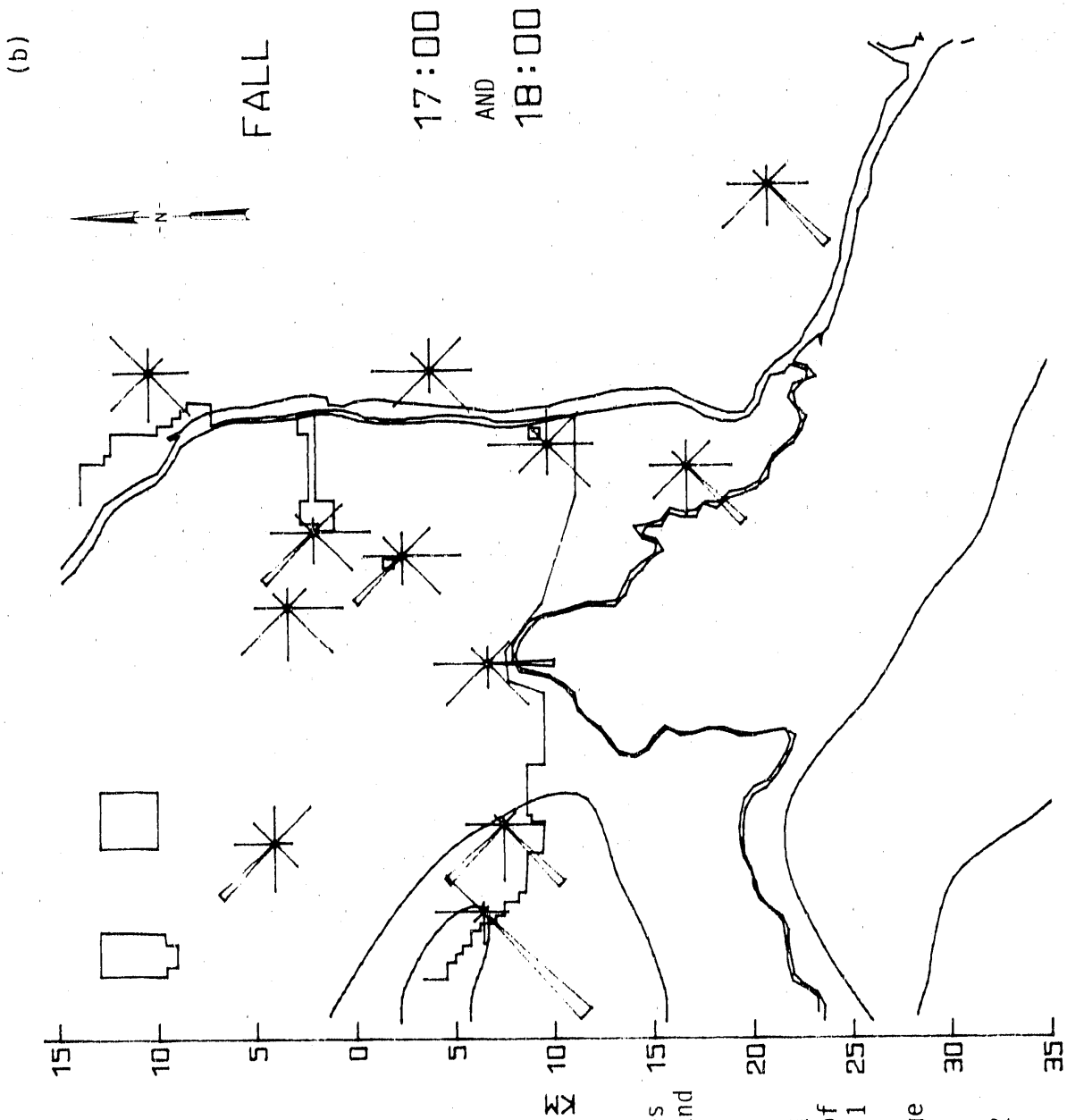


FIGURE 5.51. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Fall Season--1700 and 1800 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

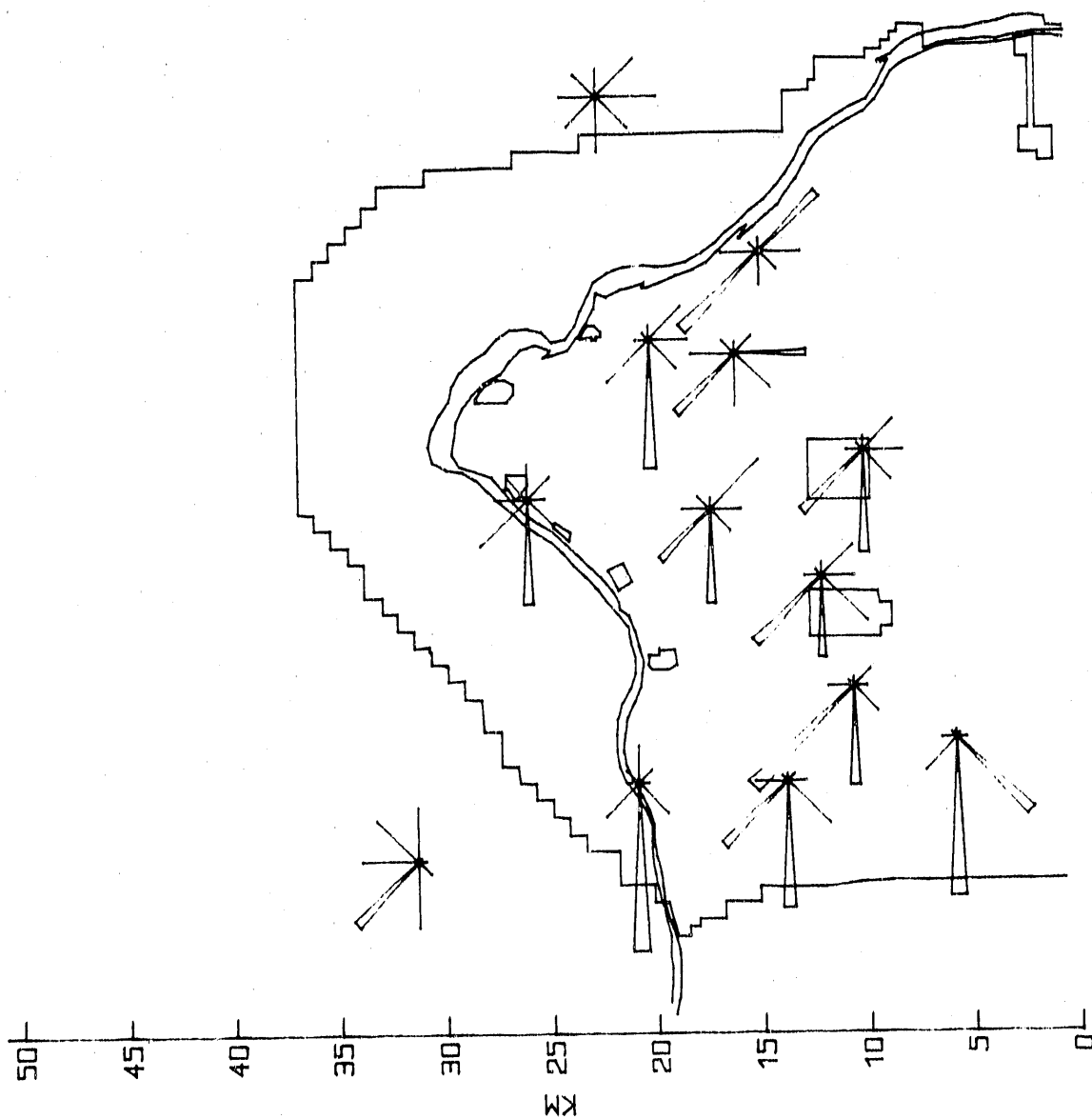
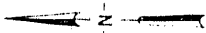
(a)

FALL

19:00

AND

20:00



(b)

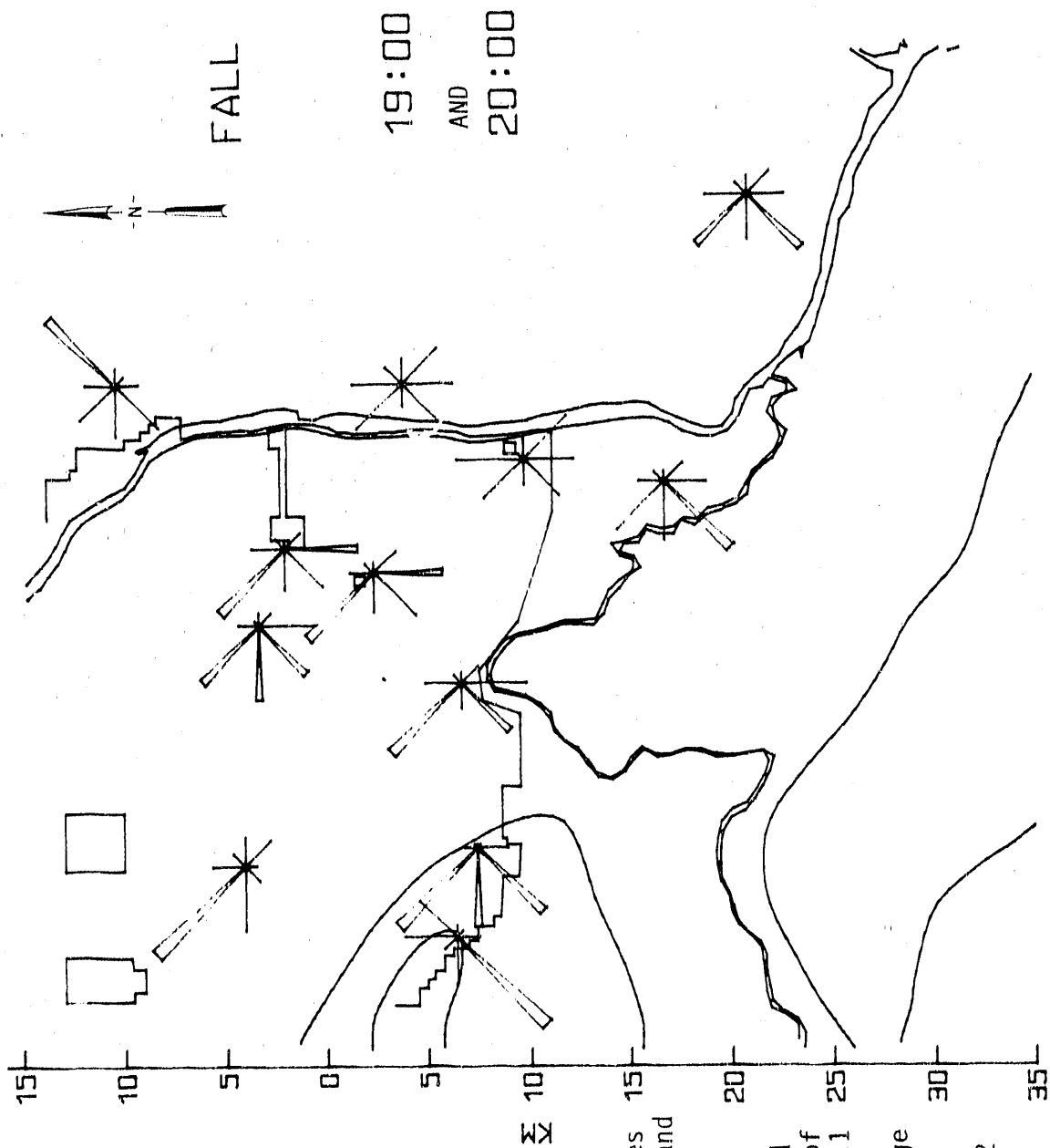
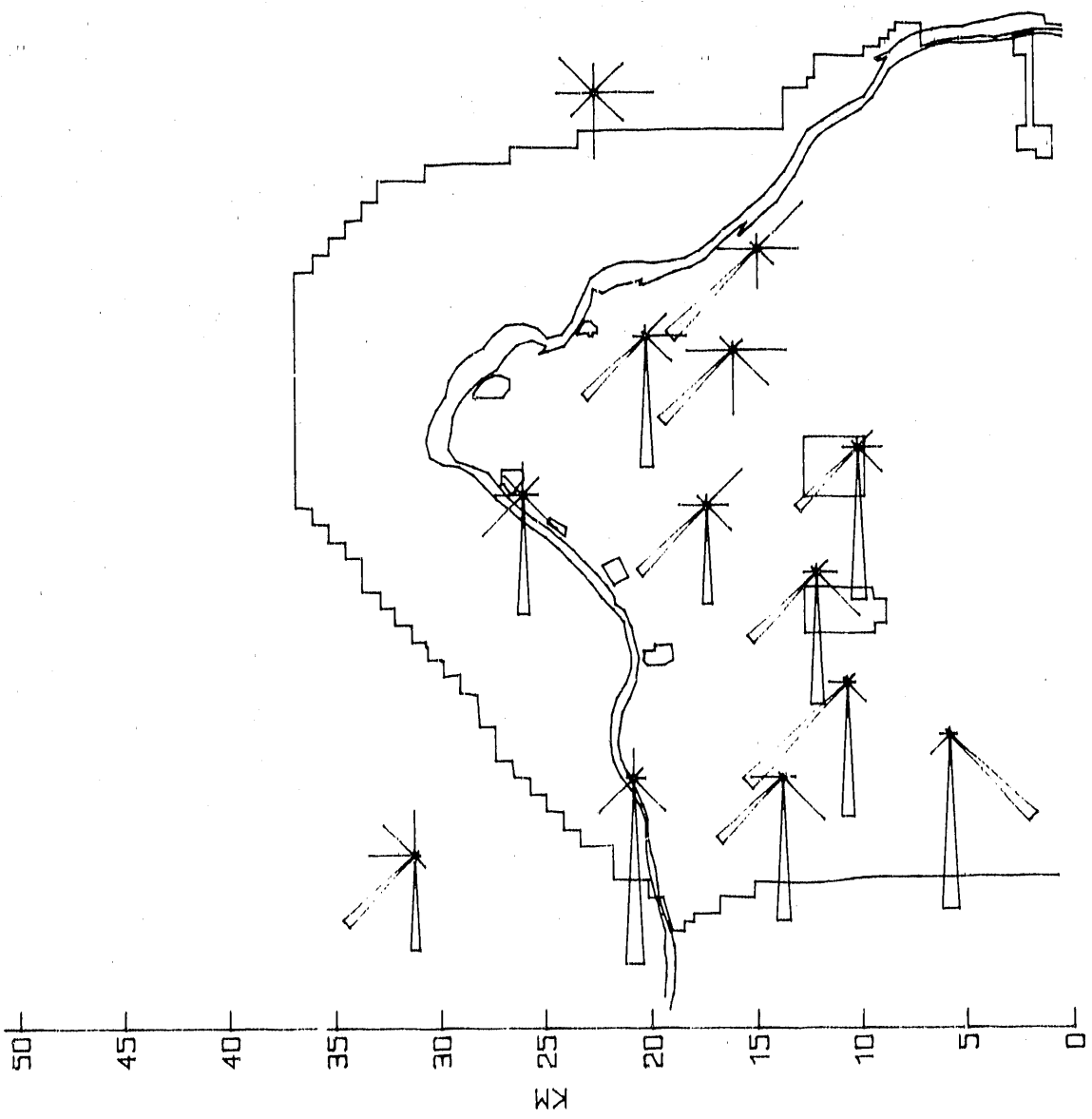
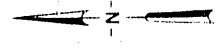


FIGURE 5.52. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Fall Season--1900 and 2000 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

FALL

21:00
AND
22:00



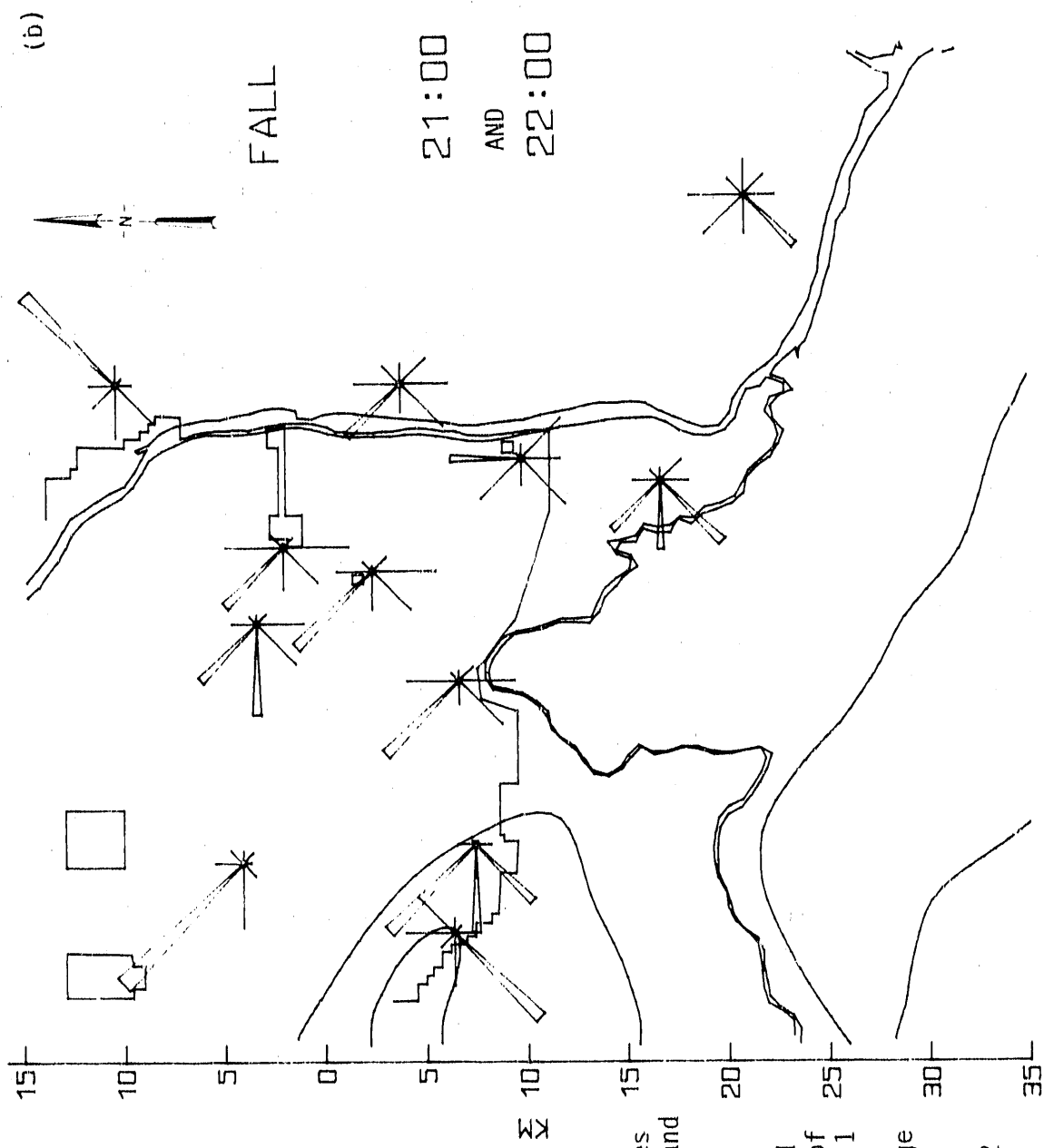
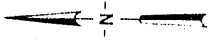


FIGURE 5.53. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Fall Season--2100 and 2200 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

(a)

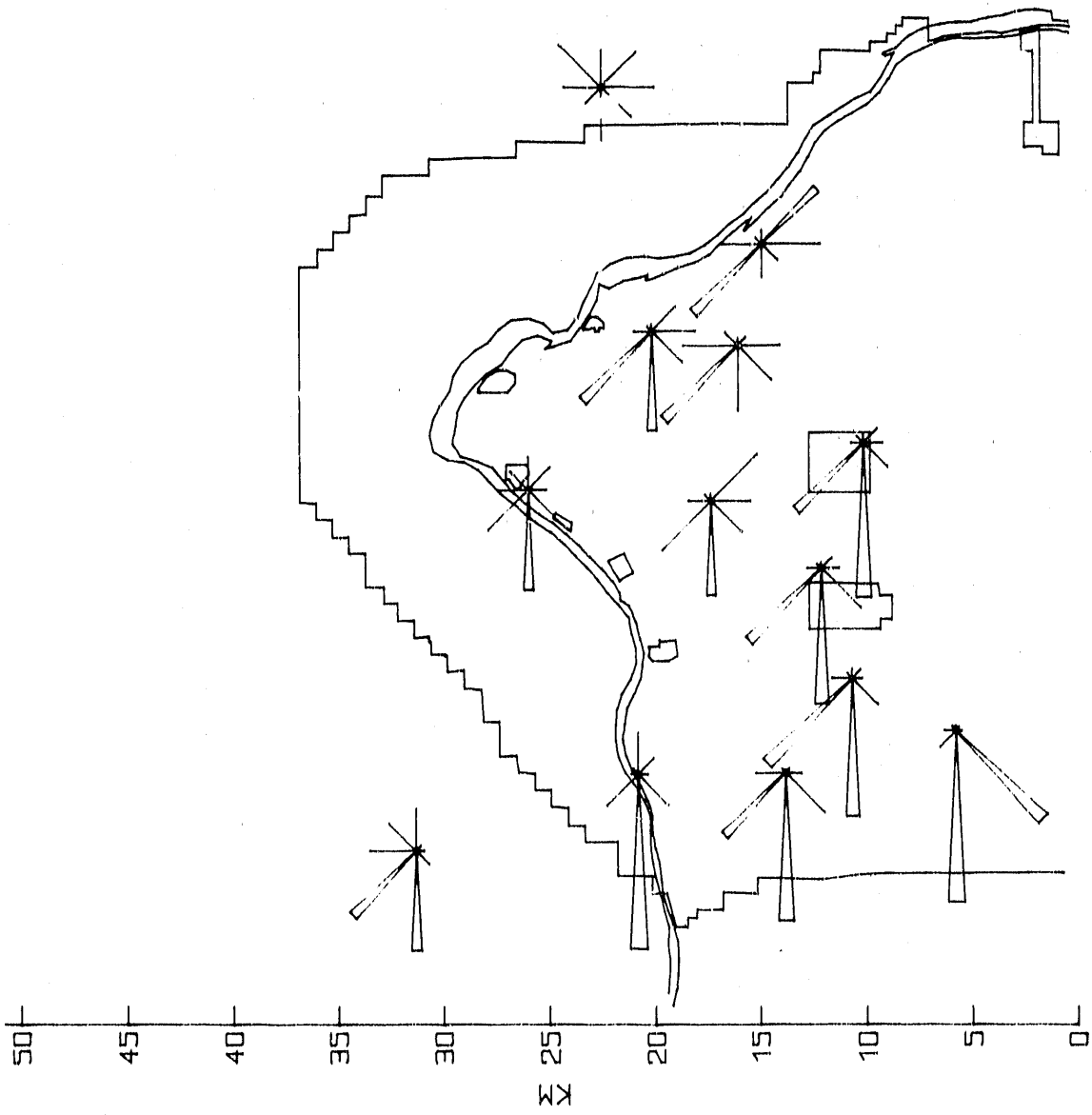


FALL

23:00

AND

24:00



5.180

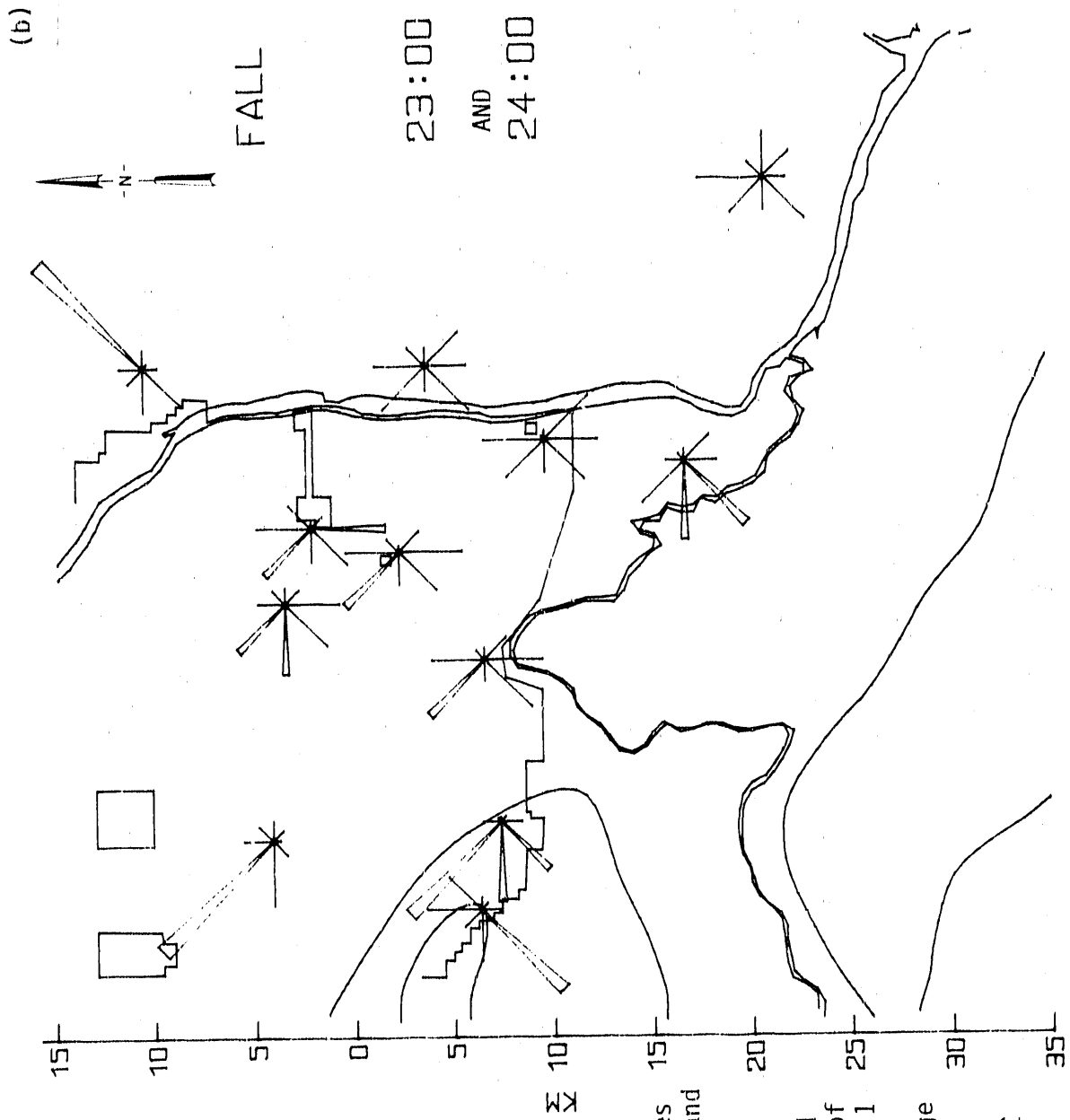


FIGURE 5.54. Wind Roses for the Northern (a) and Southern (b) Portions of the Hanford Site-- Fall Season--2300 and 2400 PST. In the wind roses, a line length of 0.5 cm represents a 0.1 (i.e., 10%) frequency of occurrence. A wedge is used instead of a line when a frequency of occurrence is ≥ 0.2 (i.e., 20%).

6.0 JOINT FREQUENCY DISTRIBUTIONS OF ATMOSPHERIC STABILITY, WIND DIRECTION, AND WIND SPEED

In this section, we present climatological summaries of the joint frequency distribution of atmospheric stability, wind direction, and wind speed for selected stations in the Hanford Meteorology Monitoring Network. Information on the frequency of occurrence of the potential combinations of atmospheric stability, wind direction, and wind speed are often used in atmospheric dispersion modeling to make preliminary estimates of the long- and short-term environmental impacts that may result from pollutant releases. Environmental impact projections are used in the preparation of environmental impact assessments, permit applications, routine environmental reports, and other studies.

Atmospheric dispersion is a combination of atmospheric transport and diffusion. Atmospheric transport can be estimated using information on local wind directions and speeds. Atmospheric diffusion can be estimated using information on the intensity of atmospheric turbulence. Because atmospheric turbulence is a difficult parameter to measure, the rate of mechanically and convectively induced turbulent mixing is usually approximated from more easily measurable meteorological parameters. The most popular turbulence-typing scheme involves the use of atmospheric stability classes (Randerson 1984). A number of methods are available for determining atmospheric stability. These methods involve measurements of such parameters as wind speed, solar radiation, cloud cover, and the vertical temperature gradient. Traditionally, seven atmospheric stability classes, labelled "A" through "G", are used to estimate the turbulence intensity. Stability class "A" represents an unstable atmosphere characterized by the highest rate of turbulent mixing. The rate of turbulence decreases through the classes so that stability class "D" represents a neutral atmosphere with a moderate amount of turbulence mixing and stability class "G" represents a very stable atmosphere with a low rate of turbulent mixing.

In this section, we present joint frequency distributions for selected Hanford monitoring stations. The meteorological data used to generate the joint frequency distributions are from the same time period (January 1, 1982, through December 31, 1989) as was used to generate the wind frequency

distributions presented in the previous section. Eight full years of data (just under 70,000 hourly data records) were available for most of the selected stations. Joint frequency distributions are not presented for stations located on mountain summits, on the Arid Lands Ecology Reserve (located between Rattlesnake Mountain and Highway 240), outside the Hanford Site, or for which 5 or more years of data were not available.

In past assessments of atmospheric dispersion, joint frequency distributions for the Hanford Meteorology Station were frequently used to represent conditions at locations throughout the Hanford Site. For some locations data from the Hanford Meteorology Station is very representative of local conditions; at other locations the differences between local wind patterns and those at the Hanford Meteorology Station are significant. The availability of joint frequency distributions for a variety of Hanford locations should allow researchers to select data that are more representative of local dispersion conditions when preparing preliminary estimates of potential environmental impacts.

Although joint frequency distributions are useful for generating preliminary estimates of environmental impacts, the use of these distributions is not appropriate for many applications. Joint frequency distribution data do not reflect spatial or temporal variations in atmospheric conditions. Particularly in complex terrain environments, as are present at many locations in the Hanford region, the wind data provided in a joint frequency distribution may only be representative of conditions within a mile or two of the monitoring site. As a result, environmental impacts computed using a joint frequency distribution may only be applicable to a relatively small area surrounding the monitoring site. In such circumstances, more sophisticated dispersion modeling approaches (e.g., involving meteorological data from more than one location or modifications to transport winds to account for terrain effects) are often required to properly estimate environmental impacts. If you are unsure of the appropriateness of the use of a joint frequency distribution to compute preliminary estimates of environmental impact, please contact the Hanford Meteorology Station [(509) 373-2716] and ask to be referred to an atmospheric dispersion modeling specialist for assistance.

Two sets of joint frequency distributions are presented in Tables 6.1 through 6.24. The first set of joint frequency distributions (Tables 6.1 through 6.12) uses an atmospheric stability parameterization based on vertical temperature gradients [the NRC's ΔT method as defined by the U.S. NRC (1980)]. The second set (Tables 6.13 through 6.24) uses a parameterization based on the time of year, time of day, wind speed, cloud cover, and visibility [based on Pasquill (1961)]. The NRC ΔT method is used to produce real-time estimates of atmospheric stability for the Hanford Site. The advantage of this method is that it only requires temperature measurements at two elevations on an instrumented tower to provide the vertical temperature gradient used to estimate atmospheric stability. This estimation of atmospheric stability is done automatically by the data-processing equipment that records and stores temperature data. The disadvantage to this method is that it may not give an accurate indication of the degree of turbulence intensity in the lower atmosphere under some meteorological conditions. The Pasquill method for computing atmospheric stability requires the collection of a number of different types of meteorological data. The advantage to this method is that it is generally a more accurate indication of turbulence intensity. The disadvantage is that this method requires the measurement and observation of a number of different parameters (including either the manual observation of sky conditions or the use of sophisticated monitoring equipment to measure incoming solar radiation).

The NRC ΔT atmospheric stability data are archived in a meteorological data base at the Hanford Meteorology Station. Atmospheric stability data based on the Pasquill method are not stored in this data base; to compute atmospheric stability using this method, hourly meteorological data must be retrieved from several data files and processed. As a result, most preliminary assessments of environmental impacts for the Hanford area have been computed using the readily available NRC ΔT atmospheric stability data. To allow researchers to study the differences between the environmental impact projections produced using both stability determination methods, both sets of joint frequency distributions are presented in the following tables.

In Tables 6.1 through 6.24, the top line of each frequency distribution's heading gives the station identification number and name. The second line gives the name of the season and time of day being examined. Both the season and time-of-day category will be "ALL" because the joint frequency distributions presented here are not functions of the season or time of day. In the data summary, the beginning and ending dates for the available data from the indicated station are presented. The number of hours of data for the indicated stability class and the total number of hours of data processed for the station (independent of the stability class) are also presented. After the data summary, the frequency of occurrence of the indicated combinations of atmospheric stability, wind direction, and wind speed is presented. Multiplying the total number of hours of data for the station by any element in the joint frequency distribution gives the total number of hours that particular combination of atmospheric stability, wind direction, and wind speed occurred. Adding up all the frequencies of occurrence for each stability class will give a total frequency of occurrence of 1.

Once again, we emphasize that if you are unsure of the appropriateness of the use of a joint frequency distribution to compute preliminary estimates of environmental impact, please contact the Hanford Meteorology Station [(509) 373-2716] and asked to be referred to an atmospheric dispersion modeling specialist for assistance.

TABLE 6.1. Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method),
Wind Direction, and Wind Speed at the Prosser Barricade Station

STATION: 1 PROSSER BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS A: 9189.
TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 65222.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00076	0.00457	0.00469	0.00227	0.00007	0.00003	0.00000	0.00000	0.01238
NORTH-NORTHEAST	0.00094	0.00489	0.00360	0.00085	0.00013	0.00001	0.00000	0.00000	0.01042
NORTHEAST	0.00082	0.00334	0.00106	0.00061	0.00002	0.00003	0.00000	0.00000	0.00588
EAST-NORTHEAST	0.00085	0.00260	0.00039	0.00006	0.00000	0.00000	0.00000	0.00000	0.00389
EAST	0.00112	0.00185	0.00053	0.00000	0.00000	0.00000	0.00000	0.00000	0.00350
EAST-SOUTHEAST	0.00100	0.00246	0.00084	0.00001	0.00000	0.00000	0.00000	0.00000	0.00431
SOUTHEAST	0.00080	0.00339	0.00076	0.00007	0.00000	0.00000	0.00000	0.00000	0.00502
SOUTH-SOUTHEAST	0.00086	0.00626	0.00231	0.00017	0.00001	0.00000	0.00000	0.00000	0.00961
SOUTH	0.00081	0.00827	0.00732	0.00097	0.00011	0.00000	0.00000	0.00000	0.01748
SOUTH-SOUTHWEST	0.00065	0.00455	0.01059	0.00726	0.00089	0.00018	0.00001	0.00000	0.02413
SOUTHWEST	0.00051	0.00161	0.00451	0.00595	0.00145	0.00036	0.00005	0.00000	0.01442
WEST-SOUTHWEST	0.00024	0.00088	0.00202	0.00302	0.00142	0.00040	0.00003	0.00000	0.00801
WEST	0.00031	0.00064	0.00107	0.00136	0.00074	0.00010	0.00002	0.00000	0.00423
WEST-NORTHWEST	0.00031	0.00107	0.00119	0.00068	0.00014	0.00004	0.00000	0.00000	0.00342
NORTHWEST	0.00037	0.00185	0.00196	0.00139	0.00061	0.00007	0.00000	0.00000	0.00625
NORTH-NORTHWEST	0.00066	0.00270	0.00249	0.00169	0.00033	0.00005	0.00000	0.00000	0.00792
TOTAL:	0.01099	0.05092	0.04532	0.02636	0.00592	0.00127	0.00011	0.00000	0.14089

STATION: 1 PROSSER BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS B: 3736.
TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 65222.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00043	0.00225	0.00196	0.00081	0.00007	0.00000	0.00000	0.00000	0.00552
NORTH-NORTHEAST	0.00066	0.00212	0.00155	0.00029	0.00003	0.00002	0.00000	0.00000	0.00466
NORTHEAST	0.00054	0.00136	0.00048	0.00015	0.00002	0.00000	0.00000	0.00000	0.00255
EAST-NORTHEAST	0.00042	0.00107	0.00013	0.00000	0.00000	0.00000	0.00000	0.00000	0.00162
EAST	0.00033	0.00091	0.00029	0.00002	0.00000	0.00000	0.00000	0.00000	0.00154
EAST-SOUTHEAST	0.00054	0.00087	0.00030	0.00000	0.00000	0.00000	0.00000	0.00000	0.00171
SOUTHEAST	0.00035	0.00110	0.00026	0.00003	0.00000	0.00000	0.00000	0.00000	0.00174
SOUTH-SOUTHEAST	0.00055	0.00225	0.00075	0.00006	0.00002	0.00000	0.00000	0.00000	0.00363
SOUTH	0.00047	0.00349	0.00235	0.00034	0.00000	0.00000	0.00000	0.00000	0.00664
SOUTH-SOUTHWEST	0.00034	0.00274	0.00487	0.00245	0.00024	0.00009	0.00001	0.00000	0.01075
SOUTHWEST	0.00029	0.00083	0.00177	0.00206	0.00053	0.00011	0.00006	0.00000	0.00565
WEST-SOUTHWEST	0.00015	0.00037	0.00061	0.00077	0.00038	0.00015	0.00000	0.00000	0.00242
WEST	0.00024	0.00035	0.00024	0.00034	0.00022	0.00003	0.00000	0.00002	0.00145
WEST-NORTHWEST	0.00022	0.00037	0.00025	0.00018	0.00000	0.00000	0.00000	0.00000	0.00102
NORTHWEST	0.00027	0.00095	0.00069	0.00061	0.00016	0.00005	0.00000	0.00000	0.00273
NORTH-NORTHWEST	0.00040	0.00143	0.00107	0.00068	0.00009	0.00000	0.00000	0.00000	0.00367
TOTAL:	0.00619	0.02246	0.01756	0.00879	0.00175	0.00044	0.00008	0.00002	0.05728

TABLE 6.1. Continued

STATION: 1 PROSSER BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS C: 3400.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 65222.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00046	0.00192	0.00210	0.00043	0.00003	0.00000	0.00000	0.00000	0.00495
NORTH-NORTHEAST	0.00049	0.00184	0.00114	0.00025	0.00003	0.00003	0.00000	0.00000	0.00378
NORTHEAST	0.00048	0.00110	0.00026	0.00012	0.00002	0.00000	0.00000	0.00000	0.00198
EAST-NORTHEAST	0.00048	0.00089	0.00016	0.00001	0.00000	0.00000	0.00000	0.00000	0.00153
EAST	0.00046	0.00062	0.00012	0.00000	0.00000	0.00000	0.00000	0.00000	0.00120
EAST-SOUTHEAST	0.00050	0.00081	0.00020	0.00003	0.00000	0.00000	0.00000	0.00000	0.00154
SOUTHEAST	0.00051	0.00111	0.00030	0.00002	0.00000	0.00000	0.00000	0.00000	0.00194
SOUTH-SOUTHEAST	0.00063	0.00188	0.00070	0.00002	0.00000	0.00000	0.00000	0.00000	0.00323
SOUTH	0.00077	0.00248	0.00200	0.00021	0.00002	0.00000	0.00000	0.00000	0.00548
SOUTH-SOUTHWEST	0.00070	0.00188	0.00291	0.00227	0.00016	0.00004	0.00001	0.00000	0.00797
SOUTHWEST	0.00037	0.00088	0.00170	0.00168	0.00044	0.00010	0.00005	0.00000	0.00521
WEST-SOUTHWEST	0.00027	0.00037	0.00061	0.00066	0.00040	0.00003	0.00000	0.00000	0.00234
WEST	0.00029	0.00034	0.00025	0.00029	0.00008	0.00002	0.00000	0.00000	0.00128
WEST-NORTHWEST	0.00030	0.00052	0.00037	0.00025	0.00002	0.00000	0.00000	0.00000	0.00145
NORTHWEST	0.00031	0.00109	0.00090	0.00064	0.00021	0.00004	0.00000	0.00000	0.00319
NORTH-NORTHWEST	0.00044	0.00188	0.00184	0.00071	0.00014	0.00004	0.00000	0.00000	0.00506
TOTAL:	0.00745	0.01959	0.01556	0.00759	0.00156	0.00031	0.00006	0.00000	0.05213

STATION: 1 PROSSER BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS D: 20453.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 65222.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00345	0.01173	0.00738	0.00241	0.00030	0.00006	0.00000	0.00000	0.02532
NORTH-NORTHEAST	0.00291	0.00835	0.00398	0.00104	0.00025	0.00008	0.00000	0.00000	0.01660
NORTHEAST	0.00262	0.00521	0.00124	0.00053	0.00017	0.00002	0.00000	0.00000	0.00979
EAST-NORTHEAST	0.00193	0.00336	0.00046	0.00007	0.00005	0.00000	0.00000	0.00000	0.00587
EAST	0.00191	0.00420	0.00052	0.00005	0.00000	0.00000	0.00000	0.00000	0.00667
EAST-SOUTHEAST	0.00246	0.00464	0.00111	0.00011	0.00000	0.00000	0.00000	0.00000	0.00833
SOUTHEAST	0.00290	0.00734	0.00188	0.00016	0.00000	0.00000	0.00000	0.00000	0.01228
SOUTH-SOUTHEAST	0.00345	0.01142	0.00453	0.00026	0.00003	0.00000	0.00000	0.00000	0.01969
SOUTH	0.00348	0.01277	0.00807	0.00175	0.00008	0.00002	0.00000	0.00000	0.02614
SOUTH-SOUTHWEST	0.00344	0.01057	0.01519	0.01020	0.00203	0.00065	0.00006	0.00000	0.04213
SOUTHWEST	0.00237	0.00662	0.00789	0.00837	0.00360	0.00203	0.00027	0.00000	0.03116
WEST-SOUTHWEST	0.00158	0.00326	0.00296	0.00425	0.00169	0.00070	0.00006	0.00000	0.01450
WEST	0.00140	0.00273	0.00199	0.00159	0.00048	0.00017	0.00001	0.00000	0.00837
WEST-NORTHWEST	0.00196	0.00383	0.00226	0.00120	0.00028	0.00005	0.00000	0.00000	0.00957
NORTHWEST	0.00277	0.00996	0.01081	0.00908	0.00278	0.00036	0.00002	0.00000	0.03579
NORTH-NORTHWEST	0.00332	0.01560	0.01504	0.00624	0.00110	0.00007	0.00000	0.00000	0.04137
TOTAL:	0.04195	0.12154	0.08529	0.04733	0.01283	0.00423	0.00041	0.00000	0.31359

TABLE 6.1. Continued

STATION: 1 PROSSER BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 1100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS E: 15282.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 65222.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00305	0.00828	0.00404	0.00122	0.00038	0.00001	0.00000	0.00000	0.01698
NORTH-NORTHEAST	0.00231	0.00397	0.00134	0.00030	0.00036	0.00016	0.00000	0.00000	0.00843
NORTHEAST	0.00177	0.00293	0.00041	0.00018	0.00008	0.00003	0.00006	0.00000	0.00545
EAST-NORTHEAST	0.00167	0.00199	0.00019	0.00006	0.00001	0.00000	0.00000	0.00000	0.00391
EAST	0.00203	0.00252	0.00036	0.00003	0.00001	0.00000	0.00000	0.00000	0.00495
EAST-SOUTHEAST	0.00233	0.00350	0.00067	0.00001	0.00002	0.00000	0.00000	0.00000	0.00654
SOUTHEAST	0.00286	0.00608	0.00120	0.00010	0.00000	0.00000	0.00000	0.00000	0.01024
SOUTH-SOUTHEAST	0.00432	0.01113	0.00301	0.00019	0.00000	0.00000	0.00000	0.00000	0.01865
SOUTH	0.00443	0.01176	0.00499	0.00093	0.00007	0.00001	0.00000	0.00000	0.02219
SOUTH-SOUTHWEST	0.00407	0.01160	0.00875	0.00462	0.00099	0.00018	0.00000	0.00000	0.03022
SOUTHWEST	0.00348	0.00695	0.00617	0.00393	0.00183	0.00078	0.00005	0.00002	0.02318
WEST-SOUTHWEST	0.00232	0.00281	0.00200	0.00177	0.00072	0.00014	0.00001	0.00000	0.00977
WEST	0.00228	0.00288	0.00141	0.00077	0.00021	0.00001	0.00000	0.00000	0.00756
WEST-NORTHWEST	0.00248	0.00402	0.00149	0.00043	0.00002	0.00000	0.00000	0.00000	0.00844
NORTHWEST	0.00341	0.00840	0.00818	0.00390	0.00070	0.00008	0.00000	0.00000	0.02467
NORTH-NORTHWEST	0.00379	0.01341	0.01199	0.00355	0.00037	0.00001	0.00000	0.00000	0.03313
TOTAL:	0.04659	0.10222	0.05619	0.02199	0.00576	0.00141	0.00012	0.00002	0.23431

STATION: 1 PROSSER BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS F: 9188.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 65222.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00335	0.00608	0.00235	0.00038	0.00001	0.00002	0.00000	0.00000	0.01219
NORTH-NORTHEAST	0.00204	0.00270	0.00057	0.00002	0.00001	0.00000	0.00000	0.00000	0.00534
NORTHEAST	0.00158	0.00125	0.00020	0.00005	0.00000	0.00000	0.00000	0.00000	0.00308
EAST-NORTHEAST	0.00101	0.00080	0.00012	0.00000	0.00000	0.00000	0.00000	0.00000	0.00193
EAST	0.00122	0.00094	0.00011	0.00003	0.00000	0.00000	0.00000	0.00000	0.00230
EAST-SOUTHEAST	0.00175	0.00154	0.00035	0.00004	0.00000	0.00000	0.00000	0.00000	0.00369
SOUTHEAST	0.00259	0.00358	0.00051	0.00002	0.00000	0.00000	0.00000	0.00000	0.00669
SOUTH-SOUTHEAST	0.00289	0.00713	0.00140	0.00007	0.00000	0.00000	0.00000	0.00000	0.01149
SOUTH	0.00354	0.00812	0.00262	0.00042	0.00003	0.00000	0.00000	0.00000	0.01473
SOUTH-SOUTHWEST	0.00379	0.00688	0.00416	0.00145	0.00015	0.00000	0.00000	0.00000	0.01644
SOUTHWEST	0.00373	0.00411	0.00267	0.00113	0.00021	0.00000	0.00000	0.00000	0.01185
WEST-SOUTHWEST	0.00206	0.00212	0.00064	0.00018	0.00006	0.00000	0.00000	0.00000	0.00506
WEST	0.00166	0.00104	0.00033	0.00008	0.00000	0.00000	0.00000	0.00000	0.00311
WEST-NORTHWEST	0.00242	0.00162	0.00032	0.00003	0.00000	0.00000	0.00000	0.00000	0.00439
NORTHWEST	0.00334	0.00509	0.00276	0.00078	0.00004	0.00000	0.00000	0.00000	0.01203
NORTH-NORTHWEST	0.00416	0.01115	0.00921	0.00193	0.00010	0.00000	0.00000	0.00000	0.02655
TOTAL:	0.04115	0.06417	0.02832	0.00662	0.00060	0.00002	0.00000	0.00000	0.14087

TABLE 6.1. Continued

STATION: 1 PROSSER BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS G: 3974.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 65222.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00196	0.00346	0.00071	0.00010	0.00000	0.00000	0.00000	0.00000	0.00623
NORTH-NORTHEAST	0.00119	0.00104	0.00019	0.00001	0.00000	0.00000	0.00000	0.00000	0.00243
NORTHEAST	0.00087	0.00052	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00141
EAST-NORTHEAST	0.00048	0.00024	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00073
EAST	0.00062	0.00031	0.00006	0.00004	0.00000	0.00000	0.00000	0.00000	0.00103
EAST-SOUTHEAST	0.00075	0.00065	0.00007	0.00001	0.00000	0.00000	0.00000	0.00000	0.00148
SOUTHEAST	0.00086	0.00157	0.00033	0.00002	0.00000	0.00000	0.00000	0.00000	0.00278
SOUTH-SOUTHEAST	0.00124	0.00274	0.00080	0.00002	0.00000	0.00000	0.00000	0.00000	0.00482
SOUTH	0.00158	0.00283	0.00106	0.00024	0.00000	0.00000	0.00000	0.00000	0.00571
SOUTH-SOUTHWEST	0.00181	0.00251	0.00128	0.00076	0.00014	0.00001	0.00000	0.00000	0.00650
SOUTHWEST	0.00165	0.00151	0.00095	0.00037	0.00012	0.00002	0.00000	0.00000	0.00463
WEST-SOUTHWEST	0.00092	0.00051	0.00015	0.00006	0.00001	0.00000	0.00000	0.00000	0.00164
WEST	0.00085	0.00041	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00129
WEST-NORTHWEST	0.00105	0.00059	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00166
NORTHWEST	0.00179	0.00228	0.00080	0.00010	0.00000	0.00000	0.00000	0.00000	0.00497
NORTH-NORTHWEST	0.00253	0.00565	0.00487	0.00058	0.00000	0.00000	0.00000	0.00000	0.01362
TOTAL:	0.02015	0.02683	0.01135	0.00230	0.00028	0.00003	0.00000	0.00000	0.06093

**TABLE 6.2. Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method),
Wind Direction, and Wind Speed at the Army Loop Road Station**

STATION: 3 ARMY LOOP ROAD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS A: 9354.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66657.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00069	0.00414	0.00290	0.00047	0.00002	0.00000	0.00000	0.00000	0.00821
NORTH-NORTHEAST	0.00076	0.00410	0.00185	0.00048	0.00010	0.00000	0.00000	0.00000	0.00727
NORTHEAST	0.00108	0.00428	0.00115	0.00059	0.00001	0.00003	0.00000	0.00000	0.00715
EAST-NORTHEAST	0.00095	0.00627	0.00079	0.00013	0.00000	0.00000	0.00000	0.00000	0.00813
EAST	0.00141	0.00874	0.00159	0.00005	0.00000	0.00000	0.00000	0.00000	0.01179
EAST-SOUTHEAST	0.00140	0.00882	0.00277	0.00009	0.00000	0.00000	0.00000	0.00000	0.01308
SOUTHEAST	0.00101	0.00518	0.00224	0.00053	0.00000	0.00000	0.00000	0.00000	0.00897
SOUTH-SOUTHEAST	0.00099	0.00262	0.00132	0.00047	0.00003	0.00000	0.00000	0.00000	0.00543
SOUTH	0.00052	0.00228	0.00137	0.00047	0.00008	0.00001	0.00001	0.00000	0.00473
SOUTH-SOUTHWEST	0.00063	0.00176	0.00134	0.00072	0.00025	0.00003	0.00001	0.00000	0.00473
SOUTHWEST	0.00047	0.00192	0.00204	0.00136	0.00081	0.00021	0.00002	0.00000	0.00684
WEST-SOUTHWEST	0.00055	0.00218	0.00383	0.00370	0.00169	0.00054	0.00006	0.00000	0.01254
WEST	0.00058	0.00250	0.00325	0.00256	0.00101	0.00032	0.00002	0.00000	0.01024
WEST-NORTHWEST	0.00062	0.00318	0.00249	0.00133	0.00041	0.00007	0.00000	0.00000	0.00810
NORTHWEST	0.00075	0.00401	0.00353	0.00259	0.00139	0.00031	0.00002	0.00000	0.01261
NORTH-NORTHWEST	0.00064	0.00429	0.00344	0.00133	0.00077	0.00005	0.00000	0.00000	0.01052
TOTAL:	0.01302	0.06626	0.03589	0.01688	0.00659	0.00158	0.00012	0.00000	0.14033

STATION: 3 ARMY LOOP ROAD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS B: 3777.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66657.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00043	0.00172	0.00107	0.00023	0.00002	0.00002	0.00000	0.00000	0.00349
NORTH-NORTHEAST	0.00035	0.00166	0.00067	0.00016	0.00005	0.00002	0.00000	0.00000	0.00291
NORTHEAST	0.00052	0.00158	0.00050	0.00010	0.00002	0.00000	0.00000	0.00000	0.00273
EAST-NORTHEAST	0.00056	0.00223	0.00034	0.00003	0.00000	0.00000	0.00000	0.00000	0.00316
EAST	0.00065	0.00278	0.00044	0.00002	0.00000	0.00000	0.00000	0.00000	0.00390
EAST-SOUTHEAST	0.00095	0.00327	0.00074	0.00005	0.00000	0.00000	0.00000	0.00000	0.00499
SOUTHEAST	0.00090	0.00250	0.00089	0.00018	0.00000	0.00000	0.00000	0.00000	0.00447
SOUTH-SOUTHEAST	0.00056	0.00187	0.00047	0.00011	0.00003	0.00000	0.00000	0.00000	0.00304
SOUTH	0.00056	0.00100	0.00052	0.00011	0.00002	0.00000	0.00000	0.00000	0.00221
SOUTH-SOUTHWEST	0.00037	0.00087	0.00038	0.00016	0.00006	0.00005	0.00003	0.00001	0.00191
SOUTHWEST	0.00034	0.00095	0.00057	0.00037	0.00027	0.00016	0.00006	0.00000	0.00274
WEST-SOUTHWEST	0.00036	0.00116	0.00121	0.00094	0.00044	0.00017	0.00000	0.00000	0.00429
WEST	0.00029	0.00133	0.00105	0.00055	0.00029	0.00012	0.00002	0.00000	0.00364
WEST-NORTHWEST	0.00037	0.00182	0.00094	0.00038	0.00008	0.00002	0.00000	0.00000	0.00361
NORTHWEST	0.00040	0.00221	0.00143	0.00078	0.00026	0.00012	0.00002	0.00000	0.00521
NORTH-NORTHWEST	0.00045	0.00206	0.00141	0.00033	0.00011	0.00000	0.00000	0.00000	0.00436
TOTAL:	0.00807	0.02901	0.01263	0.00450	0.00164	0.00068	0.00012	0.00002	0.05666

TABLE 6.2. Continued

STATION: 3 ARMY LOOP ROAD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS C: 3436.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66657.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00047	0.00163	0.00083	0.00010	0.00000	0.00000	0.00000	0.00000	0.00302
NORTH-NORTHEAST	0.00031	0.00132	0.00066	0.00014	0.00004	0.00000	0.00000	0.00000	0.00246
NORTHEAST	0.00062	0.00143	0.00026	0.00005	0.00000	0.00002	0.00000	0.00000	0.00238
EAST-NORTHEAST	0.00063	0.00184	0.00029	0.00002	0.00000	0.00000	0.00000	0.00000	0.00270
EAST	0.00083	0.00253	0.00021	0.00005	0.00000	0.00000	0.00000	0.00000	0.00362
EAST-SOUTHEAST	0.00091	0.00240	0.00047	0.00005	0.00000	0.00000	0.00000	0.00000	0.00383
SOUTHEAST	0.00077	0.00170	0.00074	0.00005	0.00000	0.00000	0.00000	0.00000	0.00326
SOUTH-SOUTHEAST	0.00062	0.00108	0.00055	0.00015	0.00000	0.00000	0.00000	0.00000	0.00240
SOUTH	0.00050	0.00085	0.00041	0.00015	0.00001	0.00000	0.00000	0.00000	0.00191
SOUTH-SOUTHWEST	0.00047	0.00072	0.00048	0.00012	0.00008	0.00003	0.00001	0.00000	0.00192
SOUTHWEST	0.00040	0.00059	0.00052	0.00032	0.00026	0.00010	0.00005	0.00000	0.00223
WEST-SOUTHWEST	0.00050	0.00070	0.00093	0.00089	0.00043	0.00009	0.00003	0.00000	0.00356
WEST	0.00046	0.00116	0.00091	0.00058	0.00022	0.00002	0.00000	0.00000	0.00335
WEST-NORTHWEST	0.00067	0.00193	0.00131	0.00036	0.00011	0.00000	0.00000	0.00000	0.00439
NORTHWEST	0.00050	0.00231	0.00219	0.00085	0.00035	0.00018	0.00000	0.00000	0.00637
NORTH-NORTHWEST	0.00051	0.00202	0.00113	0.00031	0.00009	0.00000	0.00000	0.00000	0.00407
TOTAL:	0.00917	0.02420	0.01188	0.00419	0.00159	0.00044	0.00009	0.00000	0.05155

STATION: 3 ARMY LOOP ROAD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS D: 20865.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66657.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00258	0.00764	0.00340	0.00080	0.00014	0.00007	0.00000	0.00000	0.01464
NORTH-NORTHEAST	0.00281	0.00628	0.00193	0.00065	0.00019	0.00005	0.00000	0.00000	0.01189
NORTHEAST	0.00291	0.00733	0.00121	0.00044	0.00015	0.00005	0.00000	0.00000	0.01209
EAST-NORTHEAST	0.00398	0.00877	0.00121	0.00007	0.00009	0.00003	0.00000	0.00000	0.01413
EAST	0.00462	0.01078	0.00188	0.00017	0.00003	0.00000	0.00000	0.00000	0.01748
EAST-SOUTHEAST	0.00455	0.01180	0.00287	0.00057	0.00005	0.00002	0.00000	0.00000	0.01985
SOUTHEAST	0.00366	0.00802	0.00408	0.00122	0.00004	0.00000	0.00000	0.00000	0.01702
SOUTH-SOUTHEAST	0.00250	0.00382	0.00215	0.00107	0.00006	0.00000	0.00000	0.00000	0.00961
SOUTH	0.00188	0.00211	0.00163	0.00093	0.00015	0.00002	0.00000	0.00000	0.00671
SOUTH-SOUTHWEST	0.00208	0.00193	0.00176	0.00122	0.00093	0.00073	0.00017	0.00004	0.00887
SOUTHWEST	0.00214	0.00227	0.00225	0.00273	0.00276	0.00236	0.00038	0.00006	0.01495
WEST-SOUTHWEST	0.00251	0.00331	0.00355	0.00503	0.00287	0.00122	0.00020	0.00003	0.01872
WEST	0.00367	0.00774	0.00674	0.00435	0.00124	0.00047	0.00001	0.00000	0.02421
WEST-NORTHWEST	0.00431	0.01744	0.01739	0.00602	0.00121	0.00015	0.00000	0.00000	0.04652
NORTHWEST	0.00408	0.01707	0.01617	0.00882	0.00410	0.00083	0.00000	0.00000	0.05107
NORTH-NORTHWEST	0.00319	0.01213	0.00672	0.00248	0.00063	0.00010	0.00001	0.00000	0.02526
TOTAL:	0.05146	0.12843	0.07492	0.03658	0.01463	0.00609	0.00078	0.00014	0.31302

TABLE 6.2. Continued

STATION: 3 ARMY LOOP ROAD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS E: 15678.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66657.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00299	0.00554	0.00165	0.00050	0.00008	0.00000	0.00000	0.00000	0.01076
NORTH-NORTHEAST	0.00308	0.00409	0.00098	0.00046	0.00031	0.00012	0.00000	0.00000	0.00905
NORTHEAST	0.00312	0.00509	0.00083	0.00006	0.00006	0.00010	0.00000	0.00000	0.00926
EAST-NORTHEAST	0.00326	0.00596	0.00065	0.00005	0.00001	0.00000	0.00000	0.00000	0.00993
EAST	0.00323	0.00656	0.00091	0.00013	0.00002	0.00000	0.00000	0.00000	0.01085
EAST-SOUTHEAST	0.00326	0.00615	0.00186	0.00040	0.00001	0.00001	0.00000	0.00000	0.01170
SOUTHEAST	0.00238	0.00462	0.00247	0.00065	0.00003	0.00000	0.00000	0.00000	0.01014
SOUTH-SOUTHEAST	0.00168	0.00223	0.00141	0.00034	0.00008	0.00001	0.00000	0.00000	0.00575
SOUTH	0.00133	0.00113	0.00073	0.00038	0.00003	0.00002	0.00000	0.00000	0.00362
SOUTH-SOUTHWEST	0.00101	0.00095	0.00058	0.00052	0.00041	0.00040	0.00005	0.00000	0.00392
SOUTHWEST	0.00156	0.00132	0.00099	0.00088	0.00112	0.00100	0.00030	0.00003	0.00720
WEST-SOUTHWEST	0.00201	0.00227	0.00167	0.00243	0.00104	0.00034	0.00005	0.00000	0.00981
WEST	0.00339	0.00694	0.00559	0.00280	0.00050	0.00001	0.00000	0.00000	0.01922
WEST-NORTHWEST	0.00454	0.01926	0.02040	0.00397	0.00034	0.00003	0.00000	0.00000	0.04855
NORTHWEST	0.00440	0.02015	0.01484	0.00440	0.00078	0.00014	0.00000	0.00000	0.04470
NORTH-NORTHWEST	0.00407	0.01115	0.00465	0.00081	0.00003	0.00004	0.00000	0.00000	0.02075
TOTAL:	0.04531	0.10341	0.06020	0.01875	0.00486	0.00224	0.00041	0.00003	0.23520

STATION: 3 ARMY LOOP ROAD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS F: 9488.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66657.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00304	0.00423	0.00092	0.00004	0.00001	0.00000	0.00000	0.00000	0.00825
NORTH-NORTHEAST	0.00255	0.00306	0.00077	0.00002	0.00001	0.00000	0.00000	0.00000	0.00640
NORTHEAST	0.00310	0.00334	0.00038	0.00003	0.00000	0.00000	0.00000	0.00000	0.00685
EAST-NORTHEAST	0.00337	0.00477	0.00037	0.00002	0.00000	0.00000	0.00000	0.00000	0.00852
EAST	0.00250	0.00473	0.00053	0.00008	0.00000	0.00000	0.00000	0.00000	0.00784
EAST-SOUTHEAST	0.00214	0.00339	0.00087	0.00014	0.00004	0.00000	0.00000	0.00000	0.00658
SOUTHEAST	0.00134	0.00268	0.00085	0.00011	0.00003	0.00000	0.00000	0.00000	0.00501
SOUTH-SOUTHEAST	0.00100	0.00098	0.00047	0.00021	0.00001	0.00000	0.00000	0.00000	0.00266
SOUTH	0.00084	0.00055	0.00020	0.00006	0.00001	0.00000	0.00000	0.00000	0.00166
SOUTH-SOUTHWEST	0.00086	0.00038	0.00012	0.00006	0.00004	0.00000	0.00000	0.00000	0.00147
SOUTHWEST	0.00093	0.00059	0.00024	0.00016	0.00004	0.00003	0.00000	0.00000	0.00199
WEST-SOUTHWEST	0.00129	0.00130	0.00026	0.00014	0.00008	0.00000	0.00000	0.00000	0.00307
WEST	0.00217	0.00420	0.00182	0.00033	0.00005	0.00003	0.00000	0.00000	0.00860
WEST-NORTHWEST	0.00332	0.01444	0.00805	0.00048	0.00004	0.00000	0.00000	0.00000	0.02633
NORTHWEST	0.00371	0.01871	0.00840	0.00027	0.00002	0.00000	0.00000	0.00000	0.03111
NORTH-NORTHWEST	0.00347	0.00974	0.00262	0.00017	0.00000	0.00000	0.00000	0.00000	0.01601
TOTAL:	0.03563	0.07710	0.02687	0.00231	0.00038	0.00006	0.00000	0.00000	0.14234

TABLE 6.2. Continued

STATION: 3 ARMY LOOP ROAD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS G: 4059.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66657.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00133	0.00175	0.00035	0.00000	0.00000	0.00000	0.00000	0.00000	0.00343
NORTH-NORTHEAST	0.00157	0.00158	0.00007	0.00001	0.00000	0.00000	0.00000	0.00000	0.00323
NORTHEAST	0.00157	0.00185	0.00021	0.00000	0.00000	0.00000	0.00000	0.00000	0.00364
EAST-NORTHEAST	0.00151	0.00218	0.00016	0.00001	0.00000	0.00000	0.00000	0.00000	0.00386
EAST	0.00107	0.00225	0.00035	0.00001	0.00000	0.00000	0.00000	0.00000	0.00369
EAST-SOUTHEAST	0.00077	0.00114	0.00032	0.00012	0.00000	0.00002	0.00000	0.00000	0.00236
SOUTHEAST	0.00042	0.00059	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.00136
SOUTH-SOUTHEAST	0.00027	0.00029	0.00006	0.00000	0.00002	0.00000	0.00000	0.00000	0.00063
SOUTH	0.00031	0.00021	0.00003	0.00003	0.00000	0.00000	0.00000	0.00000	0.00058
SOUTH-SOUTHWEST	0.00031	0.00012	0.00004	0.00002	0.00004	0.00001	0.00001	0.00000	0.00056
SOUTHWEST	0.00030	0.00013	0.00002	0.00005	0.00002	0.00000	0.00000	0.00000	0.00053
WEST-SOUTHWEST	0.00054	0.00044	0.00004	0.00003	0.00000	0.00000	0.00000	0.00000	0.00105
WEST	0.00074	0.00171	0.00028	0.00000	0.00000	0.00000	0.00000	0.00000	0.00272
WEST-NORTHWEST	0.00138	0.00649	0.00331	0.00002	0.00000	0.00000	0.00000	0.00000	0.01120
NORTHWEST	0.00160	0.00919	0.00436	0.00006	0.00000	0.00000	0.00000	0.00000	0.01522
NORTH-NORTHWEST	0.00151	0.00436	0.00095	0.00002	0.00000	0.00000	0.00000	0.00000	0.00684
TOTAL:	0.01520	0.03429	0.01085	0.00044	0.00008	0.00003	0.00002	0.00000	0.06089

TABLE 6.3. Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the Edna Railroad Crossing Station

STATION: 5 EDNA RAILROAD CROSSING

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS A: 9322.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66794.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00068	0.00553	0.00384	0.00063	0.00007	0.00000	0.00000	0.00000	0.01076
NORTH-NORTHEAST	0.00057	0.00450	0.00214	0.00036	0.00012	0.00000	0.00000	0.00000	0.00769
NORTHEAST	0.00095	0.00348	0.00130	0.00047	0.00004	0.00000	0.00000	0.00000	0.00627
EAST-NORTHEAST	0.00088	0.00457	0.00091	0.00030	0.00000	0.00000	0.00000	0.00000	0.00666
EAST	0.00098	0.00716	0.00299	0.00005	0.00000	0.00000	0.00000	0.00000	0.01118
EAST-SOUTHEAST	0.00116	0.00889	0.00565	0.00044	0.00000	0.00000	0.00000	0.00000	0.01614
SOUTHEAST	0.00104	0.00715	0.00331	0.00040	0.00003	0.00000	0.00000	0.00000	0.01194
SOUTH-SOUTHEAST	0.00107	0.00446	0.00269	0.00061	0.00004	0.00001	0.00000	0.00000	0.00888
SOUTH	0.00067	0.00303	0.00241	0.00109	0.00016	0.00003	0.00000	0.00000	0.00739
SOUTH-SOUTHWEST	0.00036	0.00202	0.00150	0.00095	0.00024	0.00003	0.00000	0.00000	0.00510
SOUTHWEST	0.00039	0.00169	0.00172	0.00096	0.00034	0.00005	0.00000	0.00000	0.00514
WEST-SOUTHWEST	0.00050	0.00194	0.00304	0.00154	0.00085	0.00013	0.00000	0.00000	0.00800
WEST	0.00022	0.00165	0.00289	0.00185	0.00060	0.00018	0.00000	0.00000	0.00739
WEST-NORTHWEST	0.00074	0.00233	0.00273	0.00224	0.00120	0.00016	0.00000	0.00000	0.00939
NORTHWEST	0.00063	0.00224	0.00273	0.00277	0.00136	0.00011	0.00001	0.00000	0.00985
NORTH-NORTHWEST	0.00081	0.00370	0.00257	0.00052	0.00016	0.00001	0.00000	0.00000	0.00778
TOTAL:	0.01165	0.06433	0.04243	0.01518	0.00521	0.00075	0.00001	0.00000	0.13956

STATION: 5 EDNA RAILROAD CROSSING

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS B: 3781.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66794.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00041	0.00208	0.00152	0.00015	0.00003	0.00000	0.00000	0.00000	0.00419
NORTH-NORTHEAST	0.00039	0.00186	0.00079	0.00007	0.00001	0.00001	0.00000	0.00000	0.00314
NORTHEAST	0.00026	0.00130	0.00048	0.00016	0.00003	0.00000	0.00000	0.00000	0.00224
EAST-NORTHEAST	0.00026	0.00179	0.00032	0.00009	0.00001	0.00000	0.00000	0.00000	0.00247
EAST	0.00042	0.00239	0.00118	0.00000	0.00000	0.00000	0.00000	0.00000	0.00399
EAST-SOUTHEAST	0.00071	0.00345	0.00201	0.00009	0.00000	0.00000	0.00000	0.00000	0.00627
SOUTHEAST	0.00071	0.00363	0.00166	0.00014	0.00000	0.00000	0.00000	0.00000	0.00615
SOUTH-SOUTHEAST	0.00067	0.00231	0.00114	0.00025	0.00004	0.00000	0.00000	0.00000	0.00441
SOUTH	0.00049	0.00151	0.00102	0.00023	0.00008	0.00000	0.00000	0.00000	0.00333
SOUTH-SOUTHWEST	0.00045	0.00086	0.00072	0.00028	0.00007	0.00003	0.00000	0.00000	0.00240
SOUTHWEST	0.00030	0.00063	0.00076	0.00035	0.00016	0.00004	0.00000	0.00000	0.00224
WEST-SOUTHWEST	0.00028	0.00063	0.00083	0.00055	0.00029	0.00007	0.00000	0.00000	0.00265
WEST	0.00035	0.00063	0.00069	0.00051	0.00010	0.00004	0.00001	0.00000	0.00236
WEST-NORTHWEST	0.00049	0.00086	0.00080	0.00058	0.00019	0.00007	0.00002	0.00000	0.00301
NORTHWEST	0.00061	0.00156	0.00066	0.00061	0.00025	0.00005	0.00000	0.00000	0.00374
NORTH-NORTHWEST	0.00042	0.00220	0.00120	0.00014	0.00005	0.00000	0.00000	0.00000	0.00402
TOTAL:	0.00723	0.02770	0.01578	0.00422	0.00133	0.00031	0.00003	0.00000	0.05661

TABLE 6.3. Continued

STATION: 5 EDNA RAILROAD CROSSING

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS C: 3446.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66794.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00040	0.00185	0.00112	0.00017	0.00001	0.00000	0.00000	0.00000	0.00354
NORTH-NORTHEAST	0.00043	0.00122	0.00089	0.00027	0.00002	0.00000	0.00000	0.00000	0.00283
NORTHEAST	0.00034	0.00107	0.00047	0.00011	0.00002	0.00000	0.00000	0.00000	0.00201
EAST-NORTHEAST	0.00039	0.00121	0.00019	0.00004	0.00000	0.00000	0.00000	0.00000	0.00183
EAST	0.00037	0.00170	0.00050	0.00001	0.00000	0.00000	0.00000	0.00000	0.00258
EAST-SOUTHEAST	0.00069	0.00270	0.00115	0.00011	0.00000	0.00000	0.00000	0.00000	0.00466
SOUTHEAST	0.00098	0.00387	0.00133	0.00016	0.00000	0.00000	0.00000	0.00000	0.00633
SOUTH-SOUTHEAST	0.00095	0.00249	0.00081	0.00033	0.00002	0.00000	0.00000	0.00000	0.00459
SOUTH	0.00068	0.00126	0.00092	0.00026	0.00004	0.00000	0.00000	0.00000	0.00316
SOUTH-SOUTHWEST	0.00054	0.00061	0.00057	0.00027	0.00006	0.00001	0.00000	0.00000	0.00207
SOUTHWEST	0.00032	0.00050	0.00034	0.00019	0.00010	0.00005	0.00000	0.00000	0.00150
WEST-SOUTHWEST	0.00033	0.00061	0.00061	0.00057	0.00024	0.00004	0.00000	0.00000	0.00240
WEST	0.00043	0.00058	0.00055	0.00039	0.00013	0.00001	0.00000	0.00000	0.00209
WEST-NORTHWEST	0.00072	0.00097	0.00092	0.00057	0.00035	0.00007	0.00000	0.00000	0.00360
NORTHWEST	0.00068	0.00205	0.00092	0.00058	0.00024	0.00001	0.00000	0.00000	0.00447
NORTH-NORTHWEST	0.00070	0.00220	0.00078	0.00018	0.00005	0.00000	0.00000	0.00000	0.00392
TOTAL:	0.00894	0.02490	0.01208	0.00421	0.00127	0.00019	0.00000	0.00000	0.05159

STATION: 5 EDNA RAILROAD CROSSING

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS D: 20897.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66794.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00306	0.01064	0.00538	0.00100	0.00017	0.00002	0.00000	0.00000	0.02028
NORTH-NORTHEAST	0.00205	0.00465	0.00255	0.00112	0.00025	0.00009	0.00000	0.00000	0.01071
NORTHEAST	0.00180	0.00387	0.00182	0.00064	0.00038	0.00006	0.00001	0.00000	0.00858
EAST-NORTHEAST	0.00177	0.00334	0.00067	0.00046	0.00023	0.00012	0.00007	0.00000	0.00665
EAST	0.00238	0.00588	0.00167	0.00009	0.00003	0.00000	0.00000	0.00000	0.01006
EAST-SOUTHEAST	0.00394	0.01328	0.00470	0.00042	0.00001	0.00000	0.00000	0.00000	0.02235
SOUTHEAST	0.00483	0.01969	0.00738	0.00100	0.00005	0.00000	0.00000	0.00000	0.03295
SOUTH-SOUTHEAST	0.00564	0.01338	0.00593	0.00140	0.00010	0.00000	0.00000	0.00000	0.02645
SOUTH	0.00421	0.00623	0.00409	0.00229	0.00033	0.00002	0.00001	0.00000	0.01719
SOUTH-SOUTHWEST	0.00331	0.00350	0.00297	0.00215	0.00079	0.00018	0.00002	0.00000	0.01291
SOUTHWEST	0.00284	0.00245	0.00284	0.00264	0.00143	0.00026	0.00003	0.00000	0.01250
WEST-SOUTHWEST	0.00289	0.00293	0.00339	0.00321	0.00113	0.00027	0.00000	0.00000	0.01383
WEST	0.00333	0.00361	0.00414	0.00327	0.00060	0.00021	0.00000	0.00000	0.01515
WEST-NORTHWEST	0.00455	0.00785	0.00665	0.00587	0.00263	0.00062	0.00003	0.00000	0.02818
NORTHWEST	0.00572	0.01615	0.01019	0.00600	0.00191	0.00030	0.00000	0.00000	0.04027
NORTH-NORTHWEST	0.00540	0.01856	0.00875	0.00184	0.00021	0.00004	0.00000	0.00000	0.03480
TOTAL:	0.05771	0.13602	0.07312	0.03342	0.01026	0.00217	0.00016	0.00000	0.31286

TABLE C.3. Continued

STATION: 5 EDNA RAILROAD CROSSING

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS E: 15758.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66794.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00223	0.00668	0.00331	0.00063	0.00000	0.00000	0.00000	0.00000	0.01285
NORTH-NORTHEAST	0.00119	0.00175	0.00071	0.00068	0.00050	0.00009	0.00000	0.00000	0.00493
NORTHEAST	0.00091	0.00145	0.00053	0.00057	0.00040	0.00019	0.00003	0.00000	0.00408
EAST-NORTHEAST	0.00116	0.00119	0.00027	0.00041	0.00019	0.00001	0.00000	0.00000	0.00324
EAST	0.00154	0.00322	0.00042	0.00019	0.00004	0.00000	0.00000	0.00000	0.00540
EAST-SOUTHEAST	0.00323	0.01127	0.00380	0.00011	0.00000	0.00000	0.00000	0.00000	0.01840
SOUTHEAST	0.00476	0.02265	0.00495	0.00039	0.00000	0.00000	0.00000	0.00000	0.03276
SOUTH-SOUTHEAST	0.00567	0.01346	0.00297	0.00069	0.00005	0.00000	0.00000	0.00000	0.02283
SOUTH	0.00522	0.00550	0.00176	0.00087	0.00015	0.00001	0.00000	0.00000	0.01351
SOUTH-SOUTHWEST	0.00410	0.00240	0.00115	0.00078	0.00025	0.00006	0.00000	0.00000	0.00875
SOUTHWEST	0.00329	0.00195	0.00132	0.00060	0.00018	0.00002	0.00001	0.00000	0.00738
WEST-SOUTHWEST	0.00266	0.00208	0.00197	0.00096	0.00028	0.00001	0.00000	0.00000	0.00797
WEST	0.00310	0.00308	0.00264	0.00122	0.00009	0.00000	0.00000	0.00000	0.01014
WEST-NORTHWEST	0.00526	0.00764	0.00426	0.00301	0.00055	0.00003	0.00000	0.00000	0.02075
NORTHWEST	0.00519	0.01684	0.00726	0.00245	0.00045	0.00003	0.00000	0.00000	0.03222
NORTH-NORTHWEST	0.00406	0.01793	0.00799	0.00063	0.00008	0.00000	0.00000	0.00000	0.03070
TOTAL:	0.05357	0.11910	0.04533	0.01419	0.00322	0.00046	0.00004	0.00000	0.23592

STATION: 5 EDNA RAILROAD CROSSING

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS F: 9557.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66794.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00131	0.00332	0.00159	0.00013	0.00002	0.00000	0.00000	0.00000	0.00637
NORTH-NORTHEAST	0.00000	0.00100	0.00046	0.00019	0.00001	0.00000	0.00000	0.00000	0.00248
NORTHEAST	0.00000	0.00062	0.00034	0.00040	0.00003	0.00000	0.00000	0.00000	0.00185
EAST-NORTHEAST	0.00000	0.00062	0.00013	0.00028	0.00011	0.00000	0.00000	0.00000	0.00180
EAST	0.00100	0.00127	0.00014	0.00010	0.00003	0.00000	0.00000	0.00000	0.00253
EAST-SOUTHEAST	0.00202	0.00659	0.00237	0.00008	0.00001	0.00000	0.00000	0.00000	0.01107
SOUTHEAST	0.00350	0.01675	0.00260	0.00017	0.00000	0.00000	0.00000	0.00000	0.02301
SOUTH-SOUTHEAST	0.00536	0.01371	0.00072	0.00019	0.00001	0.00001	0.00000	0.00000	0.02000
SOUTH	0.00556	0.00644	0.00026	0.00014	0.00002	0.00002	0.00000	0.00000	0.01244
SOUTH-SOUTHWEST	0.00387	0.00199	0.00008	0.00003	0.00004	0.00001	0.00000	0.00000	0.00601
SOUTHWEST	0.00292	0.00081	0.00006	0.00000	0.00001	0.00000	0.00000	0.00000	0.00380
WEST-SOUTHWEST	0.00238	0.00069	0.00026	0.00004	0.00001	0.00000	0.00000	0.00000	0.00337
WEST	0.00296	0.00106	0.00041	0.00007	0.00001	0.00000	0.00000	0.00000	0.00450
WEST-NORTHWEST	0.00407	0.00433	0.00050	0.00011	0.00001	0.00000	0.00000	0.00000	0.00902
NORTHWEST	0.00451	0.01130	0.00222	0.00010	0.00000	0.00000	0.00000	0.00000	0.01813
NORTH-NORTHWEST	0.00275	0.01049	0.00342	0.00004	0.00000	0.00000	0.00000	0.00000	0.01671
TOTAL:	0.04415	0.08098	0.01556	0.00205	0.00031	0.00003	0.00000	0.00000	0.14308

TABLE 6.3. Continued

STATION: 5 EDNA RAILROAD CROSSING

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS G: 4033.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66794.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00062	0.00116	0.00026	0.00001	0.00000	0.00000	0.00000	0.00000	0.00205
NORTH-NORTHEAST	0.00034	0.00023	0.00005	0.00001	0.00000	0.00000	0.00000	0.00000	0.00063
NORTHEAST	0.00027	0.00015	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.00045
EAST-NORTHEAST	0.00028	0.00006	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	0.00037
EAST	0.00034	0.00060	0.00008	0.00001	0.00000	0.00000	0.00000	0.00000	0.00102
EAST-SOUTHEAST	0.00095	0.00222	0.00100	0.00010	0.00000	0.00000	0.00000	0.00000	0.00426
SOUTHEAST	0.00159	0.00519	0.00110	0.00009	0.00000	0.00000	0.00000	0.00000	0.00797
SOUTH-SOUTHEAST	0.00251	0.00627	0.00022	0.00006	0.00000	0.00000	0.00000	0.00000	0.00905
SOUTH	0.00275	0.00303	0.00002	0.00005	0.00000	0.00000	0.00000	0.00000	0.00585
SOUTH-SOUTHWEST	0.00213	0.00110	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00326
SOUTHWEST	0.00109	0.00036	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00147
WEST-SOUTHWEST	0.00101	0.00008	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00112
WEST	0.00135	0.00025	0.00002	0.00000	0.00001	0.00000	0.00000	0.00000	0.00164
WEST-NORTHWEST	0.00239	0.00263	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00506
NORTHWEST	0.00205	0.00625	0.00082	0.00000	0.00000	0.00000	0.00000	0.00000	0.00911
NORTH-NORTHWEST	0.00140	0.00444	0.00122	0.00000	0.00000	0.00000	0.00000	0.00000	0.00707
TOTAL:	0.02106	0.03402	0.00491	0.00036	0.00003	0.00000	0.00000	0.00000	0.06038

TABLE 6.4. Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the 200 East Area Station

STATION: 6 200 EAST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS A: 9306.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66526.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00133	0.00586	0.00252	0.00044	0.00006	0.00000	0.00000	0.00000	0.01021
NORTH-NORTHEAST	0.00107	0.00571	0.00315	0.00061	0.00018	0.00001	0.00000	0.00000	0.01074
NORTHEAST	0.00122	0.00455	0.00137	0.00067	0.00017	0.00003	0.00000	0.00000	0.00801
EAST-NORTHEAST	0.00141	0.00534	0.00065	0.00009	0.00000	0.00000	0.00000	0.00000	0.00749
EAST	0.00135	0.00590	0.00103	0.00002	0.00000	0.00000	0.00000	0.00000	0.00830
EAST-SOUTHEAST	0.00115	0.00673	0.00179	0.00007	0.00000	0.00000	0.00000	0.00000	0.00974
SOUTHEAST	0.00072	0.00576	0.00175	0.00024	0.00000	0.00000	0.00000	0.00000	0.00847
SOUTH-SOUTHEAST	0.00033	0.00334	0.00186	0.00056	0.00001	0.00000	0.00000	0.00000	0.00610
SOUTH	0.00035	0.00192	0.00106	0.00034	0.00005	0.00000	0.00000	0.00000	0.00372
SOUTH-SOUTHWEST	0.00031	0.00158	0.00100	0.00042	0.00008	0.00003	0.00000	0.00000	0.00341
SOUTHWEST	0.00034	0.00189	0.00212	0.00120	0.00060	0.00016	0.00000	0.00000	0.00632
WEST-SOUTHWEST	0.00027	0.00202	0.00401	0.00297	0.00180	0.00053	0.00006	0.00000	0.01166
WEST	0.00043	0.00182	0.00275	0.00194	0.00068	0.00021	0.00000	0.00000	0.00784
WEST-NORTHWEST	0.00060	0.00305	0.00370	0.00241	0.00117	0.00020	0.00000	0.00000	0.01112
NORTHWEST	0.00062	0.00492	0.00448	0.00356	0.00233	0.00058	0.00008	0.00000	0.01656
NORTH-NORTHWEST	0.00107	0.00604	0.00251	0.00047	0.00011	0.00000	0.00000	0.00000	0.01019
TOTAL:	0.01258	0.06643	0.03573	0.01601	0.00725	0.00176	0.00014	0.00000	0.13989

STATION: 6 200 EAST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS B: 3770.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66526.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00061	0.00248	0.00090	0.00015	0.00001	0.00000	0.00000	0.00000	0.00415
NORTH-NORTHEAST	0.00063	0.00275	0.00110	0.00026	0.00006	0.00000	0.00000	0.00000	0.00479
NORTHEAST	0.00084	0.00169	0.00039	0.00015	0.00001	0.00000	0.00000	0.00000	0.00308
EAST-NORTHEAST	0.00080	0.00173	0.00031	0.00005	0.00001	0.00000	0.00000	0.00000	0.00292
EAST	0.00081	0.00232	0.00036	0.00001	0.00000	0.00000	0.00000	0.00000	0.00351
EAST-SOUTHEAST	0.00063	0.00228	0.00049	0.00004	0.00000	0.00000	0.00000	0.00000	0.00343
SOUTHEAST	0.00042	0.00277	0.00066	0.00007	0.00000	0.00000	0.00000	0.00000	0.00391
SOUTH-SOUTHEAST	0.00024	0.00176	0.00095	0.00012	0.00003	0.00000	0.00000	0.00000	0.00311
SOUTH	0.00029	0.00114	0.00031	0.00013	0.00001	0.00001	0.00000	0.00000	0.00189
SOUTH-SOUTHWEST	0.00017	0.00092	0.00037	0.00016	0.00003	0.00002	0.00000	0.00000	0.00167
SOUTHWEST	0.00009	0.00076	0.00090	0.00055	0.00029	0.00004	0.00002	0.00000	0.00265
WEST-SOUTHWEST	0.00016	0.00091	0.00102	0.00090	0.00048	0.00017	0.00002	0.00000	0.00365
WEST	0.00027	0.00094	0.00088	0.00045	0.00017	0.00006	0.00000	0.00000	0.00276
WEST-NORTHWEST	0.00047	0.00159	0.00182	0.00068	0.00029	0.00007	0.00001	0.00000	0.00494
NORTHWEST	0.00054	0.00247	0.00159	0.00081	0.00057	0.00011	0.00000	0.00000	0.00608
NORTH-NORTHWEST	0.00068	0.00241	0.00098	0.00007	0.00000	0.00000	0.00000	0.00000	0.00414
TOTAL:	0.00764	0.02891	0.01303	0.00460	0.00197	0.00048	0.00005	0.00000	0.05667

TABLE 6.4. Continued

STATION: 6 200 EAST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS C: 3422.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66526.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00072	0.00183	0.00065	0.00000	0.00000	0.00000	0.00000	0.00000	0.00329
NORTH-NORTHEAST	0.00084	0.00179	0.00089	0.00018	0.00003	0.00000	0.00000	0.00000	0.00373
NORTHEAST	0.00057	0.00114	0.00036	0.00018	0.00002	0.00002	0.00000	0.00000	0.00229
EAST-NORTHEAST	0.00091	0.00146	0.00020	0.00002	0.00000	0.00000	0.00000	0.00000	0.00258
EAST	0.00069	0.00157	0.00028	0.00000	0.00000	0.00000	0.00000	0.00000	0.00255
EAST-SOUTHEAST	0.00064	0.00204	0.00033	0.00003	0.00000	0.00000	0.00000	0.00000	0.00304
SOUTHEAST	0.00040	0.00230	0.00078	0.00007	0.00000	0.00000	0.00000	0.00000	0.00355
SOUTH-SOUTHEAST	0.00024	0.00133	0.00071	0.00018	0.00001	0.00000	0.00000	0.00000	0.00347
SOUTH	0.00027	0.00084	0.00046	0.00016	0.00001	0.00000	0.00000	0.00000	0.00174
SOUTH-SOUTHWEST	0.00024	0.00059	0.00032	0.00012	0.00003	0.00002	0.00000	0.00000	0.00132
SOUTHWEST	0.00031	0.00066	0.00066	0.00029	0.00020	0.00008	0.00003	0.00000	0.00223
WEST-SOUTHWEST	0.00026	0.00074	0.00093	0.00079	0.00046	0.00010	0.00001	0.00000	0.00329
WEST	0.00038	0.00117	0.00105	0.00060	0.00007	0.00002	0.00000	0.00000	0.00329
WEST-NORTHWEST	0.00039	0.00184	0.00215	0.00092	0.00028	0.00007	0.00000	0.00000	0.00564
NORTHWEST	0.00058	0.00305	0.00198	0.00080	0.00045	0.00017	0.00000	0.00000	0.00703
NORTH-NORTHWEST	0.00069	0.00193	0.00065	0.00011	0.00001	0.00000	0.00001	0.00000	0.00342
TOTAL:	0.00813	0.02428	0.01239	0.00455	0.00156	0.00047	0.00006	0.00000	0.05144

STATION: 6 200 EAST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS D: 20575.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66526.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00338	0.00713	0.00263	0.00096	0.00006	0.00002	0.00000	0.00000	0.01419
NORTH-NORTHEAST	0.00316	0.00692	0.00251	0.00110	0.00027	0.00011	0.00000	0.00000	0.01408
NORTHEAST	0.00305	0.00712	0.00128	0.00051	0.00019	0.00005	0.00000	0.00000	0.01220
EAST-NORTHEAST	0.00368	0.00567	0.00060	0.00013	0.00007	0.00004	0.00001	0.00000	0.01020
EAST	0.00300	0.00698	0.00109	0.00009	0.00003	0.00000	0.00000	0.00000	0.01118
EAST-SOUTHEAST	0.00299	0.00867	0.00177	0.00011	0.00003	0.00000	0.00000	0.00000	0.01358
SOUTHEAST	0.00233	0.00974	0.00377	0.00042	0.00000	0.00000	0.00000	0.00000	0.01627
SOUTH-SOUTHEAST	0.00189	0.00654	0.00382	0.00125	0.00007	0.00000	0.00000	0.00000	0.01356
SOUTH	0.00131	0.00376	0.00233	0.00118	0.00020	0.00002	0.00000	0.00000	0.00879
SOUTH-SOUTHWEST	0.00135	0.00300	0.00206	0.00179	0.00104	0.00045	0.00006	0.00001	0.00976
SOUTHWEST	0.00166	0.00359	0.00331	0.00402	0.00274	0.00119	0.00015	0.00000	0.01666
WEST-SOUTHWEST	0.00151	0.00476	0.00517	0.00598	0.00324	0.00117	0.00011	0.00000	0.02194
WEST	0.00197	0.00688	0.00875	0.00597	0.00107	0.00033	0.00000	0.00000	0.02497
WEST-NORTHWEST	0.00295	0.01368	0.02256	0.01728	0.00691	0.00107	0.00000	0.00000	0.06447
NORTHWEST	0.00400	0.01316	0.01150	0.00684	0.00385	0.00132	0.00008	0.00000	0.04073
NORTH-NORTHWEST	0.00355	0.00954	0.00290	0.00060	0.00011	0.00000	0.00000	0.00000	0.01670
TOTAL:	0.04177	0.11713	0.07606	0.04824	0.01989	0.00577	0.00041	0.00002	0.30928

TABLE 6.4. Continued

STATION: 6 200 EAST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS E: 15679.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66526.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00153	0.00321	0.00115	0.00062	0.00005	0.00000	0.00000	0.00000	0.00656
NORTH-NORTHEAST	0.00161	0.00218	0.00079	0.00077	0.00058	0.00004	0.00000	0.00000	0.00597
NORTHEAST	0.00143	0.00253	0.00036	0.00018	0.00017	0.00012	0.00003	0.00000	0.00483
EAST-NORTHEAST	0.00168	0.00236	0.00017	0.00002	0.00001	0.00000	0.00000	0.00000	0.00423
EAST	0.00193	0.00337	0.00045	0.00001	0.00002	0.00000	0.00000	0.00000	0.00578
EAST-SOUTHEAST	0.00211	0.00519	0.00100	0.00004	0.00000	0.00000	0.00000	0.00000	0.00834
SOUTHEAST	0.00167	0.00580	0.00244	0.00021	0.00000	0.00000	0.00000	0.00000	0.01013
SOUTH-SOUTHEAST	0.00166	0.00586	0.00305	0.00065	0.00009	0.00001	0.00000	0.00000	0.01132
SOUTH	0.00131	0.00371	0.00200	0.00058	0.00015	0.00001	0.00000	0.00000	0.00775
SOUTH-SOUTHWEST	0.00110	0.00282	0.00139	0.00076	0.00043	0.00013	0.00000	0.00000	0.00664
SOUTHWEST	0.00149	0.00371	0.00202	0.00163	0.00115	0.00042	0.00005	0.00000	0.01047
WEST-SOUTHWEST	0.00177	0.00613	0.00585	0.00330	0.00147	0.00022	0.00000	0.00000	0.01873
WEST	0.00194	0.01090	0.01503	0.00506	0.00034	0.00001	0.00000	0.00000	0.03327
WEST-NORTHWEST	0.00235	0.01549	0.02741	0.01572	0.00291	0.00043	0.00001	0.00000	0.06432
NORTHWEST	0.00254	0.01096	0.00923	0.00455	0.00100	0.00018	0.00000	0.00000	0.02846
NORTH-NORTHWEST	0.00224	0.00495	0.00147	0.00018	0.00002	0.00001	0.00000	0.00000	0.00887
TOTAL:	0.02836	0.08915	0.07381	0.03427	0.00840	0.00159	0.00009	0.00000	0.23568

STATION: 6 200 EAST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS F: 9643.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66526.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00082	0.00150	0.00042	0.00015	0.00002	0.00000	0.00000	0.00000	0.00291
NORTH-NORTHEAST	0.00078	0.00113	0.00049	0.00012	0.00004	0.00000	0.00000	0.00000	0.00256
NORTHEAST	0.00075	0.00111	0.00018	0.00003	0.00000	0.00000	0.00000	0.00000	0.00207
EAST-NORTHEAST	0.00101	0.00126	0.00007	0.00000	0.00000	0.00000	0.00000	0.00000	0.00234
EAST	0.00127	0.00195	0.00011	0.00000	0.00000	0.00000	0.00000	0.00000	0.00333
EAST-SOUTHEAST	0.00146	0.00309	0.00041	0.00003	0.00000	0.00000	0.00000	0.00000	0.00500
SOUTHEAST	0.00145	0.00507	0.00134	0.00006	0.00000	0.00000	0.00000	0.00000	0.00791
SOUTH-SOUTHEAST	0.00139	0.00520	0.00242	0.00022	0.00001	0.00000	0.00000	0.00000	0.00924
SOUTH	0.00147	0.00362	0.00153	0.00015	0.00007	0.00001	0.00000	0.00000	0.00686
SOUTH-SOUTHWEST	0.00114	0.00303	0.00054	0.00010	0.00002	0.00001	0.00000	0.00000	0.00483
SOUTHWEST	0.00133	0.00349	0.00092	0.00017	0.00002	0.00000	0.00000	0.00000	0.00592
WEST-SOUTHWEST	0.00147	0.00571	0.00353	0.00038	0.00005	0.00000	0.00000	0.00000	0.01114
WEST	0.00167	0.01002	0.01034	0.00084	0.00004	0.00000	0.00000	0.00000	0.02291
WEST-NORTHWEST	0.00161	0.01479	0.01880	0.00130	0.00003	0.00000	0.00000	0.00000	0.03653
NORTHWEST	0.00148	0.00871	0.00552	0.00039	0.00002	0.00000	0.00000	0.00000	0.01611
NORTH-NORTHWEST	0.00129	0.00317	0.00073	0.00008	0.00000	0.00000	0.00000	0.00000	0.00527
TOTAL:	0.02040	0.07284	0.04735	0.00403	0.00032	0.00002	0.00000	0.00000	0.14495

TABLE 6.4. Continued

STATION: 6 200 EAST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS G: 4131.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66526.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00041	0.00044	0.00010	0.00000	0.00000	0.00000	0.00000	0.00000	0.00094
NORTH-NORTHEAST	0.00028	0.00041	0.00002	0.00002	0.00000	0.00000	0.00000	0.00000	0.00073
NORTHEAST	0.00038	0.00070	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00107
EAST-NORTHEAST	0.00042	0.00067	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00110
EAST	0.00056	0.00099	0.00006	0.00000	0.00000	0.00000	0.00000	0.00000	0.00161
EAST-SOUTHEAST	0.00068	0.00155	0.00017	0.00001	0.00000	0.00000	0.00000	0.00000	0.00241
SOUTHEAST	0.00068	0.00223	0.00050	0.00002	0.00000	0.00000	0.00000	0.00000	0.00343
SOUTH-SOUTHEAST	0.00069	0.00231	0.00142	0.00011	0.00001	0.00000	0.00000	0.00000	0.00454
SOUTH	0.00067	0.00182	0.00055	0.00003	0.00000	0.00000	0.00000	0.00000	0.00307
SOUTH-SOUTHWEST	0.00055	0.00130	0.00019	0.00001	0.00000	0.00000	0.00000	0.00000	0.00205
SOUTHWEST	0.00066	0.00126	0.00029	0.00005	0.00000	0.00000	0.00000	0.00000	0.00226
WEST-SOUTHWEST	0.00045	0.00245	0.00189	0.00003	0.00000	0.00000	0.00000	0.00000	0.00482
WEST	0.00085	0.00433	0.00545	0.00002	0.00000	0.00000	0.00000	0.00000	0.01067
WEST-NORTHWEST	0.00083	0.00512	0.00926	0.00022	0.00000	0.00000	0.00000	0.00000	0.01544
NORTHWEST	0.00067	0.00310	0.00216	0.00003	0.00000	0.00000	0.00000	0.00000	0.00596
NORTH-NORTHWEST	0.00054	0.00128	0.00017	0.00000	0.00000	0.00000	0.00000	0.00000	0.00199
TOTAL:	0.00932	0.02997	0.02225	0.00054	0.00002	0.00000	0.00000	0.00000	0.06210

**TABLE 6.5. Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method),
Wind Direction, and Wind Speed at the 200 West Area Station**

STATION: 7 200 WEST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 3/82 AT 0100 PST
DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS A: 6999.
TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 52719.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00151	0.00720	0.00283	0.00027	0.00000	0.00000	0.00000	0.00000	0.01181
NORTH-NORTHEAST	0.00184	0.00382	0.00176	0.00056	0.00005	0.00000	0.00000	0.00000	0.00803
NORTHEAST	0.00172	0.00290	0.00068	0.00032	0.00005	0.00000	0.00000	0.00000	0.00565
EAST-NORTHEAST	0.00180	0.00257	0.00021	0.00006	0.00000	0.00000	0.00000	0.00000	0.00464
EAST	0.00155	0.00284	0.00032	0.00001	0.00000	0.00000	0.00000	0.00000	0.00472
EAST-SOUTHEAST	0.00157	0.00368	0.00063	0.00002	0.00000	0.00000	0.00000	0.00000	0.00590
SOUTHEAST	0.00163	0.00435	0.00107	0.00006	0.00000	0.00000	0.00000	0.00000	0.00712
SOUTH-SOUTHEAST	0.00107	0.00357	0.00041	0.00009	0.00000	0.00000	0.00000	0.00000	0.00514
SOUTH	0.00094	0.00270	0.00041	0.00009	0.00000	0.00000	0.00000	0.00000	0.00413
SOUTH-SOUTHWEST	0.00047	0.00271	0.00120	0.00048	0.00015	0.00000	0.00000	0.00000	0.00501
SOUTHWEST	0.00062	0.00299	0.00236	0.00133	0.00053	0.00005	0.00000	0.00000	0.00789
WEST-SOUTHWEST	0.00062	0.00368	0.00471	0.00419	0.00120	0.00022	0.00000	0.00000	0.01462
WEST	0.00035	0.00224	0.00289	0.00202	0.00061	0.00011	0.00000	0.00000	0.00822
WEST-NORTHWEST	0.00059	0.00224	0.00188	0.00109	0.00027	0.00003	0.00000	0.00000	0.00609
NORTHWEST	0.00073	0.00511	0.00532	0.00409	0.00254	0.00033	0.00000	0.00000	0.01811
NORTH-NORTHWEST	0.00097	0.00766	0.00524	0.00149	0.00033	0.00000	0.00000	0.00000	0.01568
TOTAL:	0.01796	0.06026	0.03191	0.01616	0.00573	0.00074	0.00000	0.00000	0.13276

STATION: 7 200 WEST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 3/82 AT 0100 PST
DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS B: 3271.
TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 52719.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00084	0.00384	0.00103	0.00008	0.00001	0.00000	0.00000	0.00000	0.00581
NORTH-NORTHEAST	0.00073	0.00207	0.00055	0.00019	0.00003	0.00000	0.00000	0.00000	0.00357
NORTHEAST	0.00060	0.00115	0.00020	0.00018	0.00000	0.00000	0.00000	0.00000	0.00213
EAST-NORTHEAST	0.00062	0.00065	0.00015	0.00000	0.00000	0.00000	0.00000	0.00000	0.00141
EAST	0.00080	0.00081	0.00010	0.00000	0.00000	0.00000	0.00000	0.00000	0.00171
EAST-SOUTHEAST	0.00074	0.00130	0.00016	0.00000	0.00000	0.00000	0.00000	0.00000	0.00221
SOUTHEAST	0.00047	0.00149	0.00048	0.00000	0.00000	0.00000	0.00000	0.00000	0.00244
SOUTH-SOUTHEAST	0.00066	0.00189	0.00017	0.00006	0.00000	0.00000	0.00000	0.00000	0.00278
SOUTH	0.00050	0.00143	0.00015	0.00005	0.00002	0.00000	0.00000	0.00000	0.00215
SOUTH-SOUTHWEST	0.00048	0.00115	0.00045	0.00023	0.00007	0.00002	0.00000	0.00000	0.00240
SOUTHWEST	0.00050	0.00189	0.00084	0.00041	0.00028	0.00002	0.00000	0.00000	0.00395
WEST-SOUTHWEST	0.00029	0.00188	0.00188	0.00137	0.00037	0.00011	0.00000	0.00000	0.00590
WEST	0.00051	0.00190	0.00139	0.00062	0.00014	0.00004	0.00000	0.00000	0.00460
WEST-NORTHWEST	0.00042	0.00206	0.00092	0.00020	0.00005	0.00003	0.00000	0.00000	0.00368
NORTHWEST	0.00061	0.00342	0.00274	0.00106	0.00061	0.00006	0.00000	0.00000	0.00851
NORTH-NORTHWEST	0.00072	0.00491	0.00278	0.00034	0.00003	0.00002	0.00000	0.00000	0.00880
TOTAL:	0.00950	0.03185	0.01398	0.00480	0.00161	0.00030	0.00000	0.00000	0.06205

TABLE 6.5. Continued

STATION: 7 200 WEST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS C: 3018.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 52719.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00069	0.00323	0.00085	0.00012	0.00000	0.00000	0.00000	0.00000	0.00490
NORTH-NORTHEAST	0.00087	0.00151	0.00058	0.00013	0.00005	0.00000	0.00000	0.00000	0.00313
NORTHEAST	0.00065	0.00102	0.00021	0.00012	0.00000	0.00000	0.00000	0.00000	0.00201
EAST-NORTHEAST	0.00062	0.00086	0.00003	0.00002	0.00000	0.00000	0.00000	0.00000	0.00153
EAST	0.00056	0.00089	0.00006	0.00000	0.00000	0.00000	0.00000	0.00000	0.00152
EAST-SOUTHEAST	0.00093	0.00114	0.00015	0.00004	0.00000	0.00000	0.00000	0.00000	0.00217
SOUTHEAST	0.00058	0.00119	0.00040	0.00000	0.00000	0.00000	0.00000	0.00000	0.00277
SOUTH-SOUTHEAST	0.00068	0.00137	0.00034	0.00004	0.00000	0.00000	0.00000	0.00000	0.00243
SOUTH	0.00044	0.00093	0.00021	0.00007	0.00000	0.00000	0.00000	0.00000	0.00165
SOUTH-SOUTHWEST	0.00060	0.00095	0.00038	0.00017	0.00009	0.00004	0.00000	0.00000	0.00222
SOUTHWEST	0.00071	0.00110	0.00082	0.00043	0.00016	0.00005	0.00000	0.00000	0.00327
WEST-SOUTHWEST	0.00078	0.00159	0.00132	0.00128	0.00037	0.00011	0.00000	0.00000	0.00546
WEST	0.00081	0.00147	0.00145	0.00057	0.00005	0.00001	0.00000	0.00000	0.00437
WEST-NORTHWEST	0.00055	0.00201	0.00118	0.00029	0.00009	0.00000	0.00000	0.00000	0.00413
NORTHWEST	0.00046	0.00274	0.00299	0.00130	0.00048	0.00015	0.00000	0.00000	0.00813
NORTH-NORTHWEST	0.00075	0.00395	0.00237	0.00046	0.00004	0.00002	0.00000	0.00000	0.00758
TOTAL:	0.01070	0.02648	0.01333	0.00503	0.00133	0.00038	0.00000	0.00000	0.05725

STATION: 7 200 WEST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS D: 16845.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 52719.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00430	0.01096	0.00285	0.00055	0.00003	0.00000	0.00000	0.00000	0.01869
NORTH-NORTHEAST	0.00365	0.00636	0.00231	0.00080	0.00021	0.00000	0.00000	0.00000	0.01333
NORTHEAST	0.00294	0.00383	0.00069	0.00047	0.00015	0.00000	0.00000	0.00000	0.00807
EAST-NORTHEAST	0.00249	0.00274	0.00031	0.00009	0.00000	0.00000	0.00000	0.00000	0.00562
EAST	0.00257	0.00380	0.00043	0.00001	0.00000	0.00000	0.00000	0.00000	0.00661
EAST-SOUTHEAST	0.00303	0.00486	0.00132	0.00006	0.00000	0.00000	0.00000	0.00000	0.00927
SOUTHEAST	0.00358	0.00717	0.00190	0.00022	0.00000	0.00000	0.00000	0.00000	0.01286
SOUTH-SOUTHEAST	0.00395	0.00498	0.00138	0.00043	0.00000	0.00000	0.00000	0.00000	0.01075
SOUTH	0.00375	0.00323	0.00118	0.00071	0.00004	0.00000	0.00000	0.00000	0.00890
SOUTH-SOUTHWEST	0.00417	0.00341	0.00265	0.00178	0.00082	0.00026	0.00002	0.00000	0.01310
SOUTHWEST	0.00485	0.00482	0.00449	0.00478	0.00357	0.00058	0.00007	0.00000	0.02315
WEST-SOUTHWEST	0.00470	0.00717	0.00717	0.00723	0.00290	0.00068	0.00005	0.00000	0.02989
WEST	0.00450	0.01201	0.01085	0.00441	0.00074	0.00033	0.00000	0.00000	0.03284
WEST-NORTHWEST	0.00507	0.01759	0.01507	0.00586	0.00110	0.00006	0.00000	0.00000	0.04475
NORTHWEST	0.00427	0.01583	0.01566	0.01169	0.00538	0.00098	0.00000	0.00000	0.05381
NORTH-NORTHWEST	0.00455	0.01349	0.00740	0.00187	0.00033	0.00002	0.00000	0.00000	0.02766
TOTAL:	0.06237	0.12225	0.07567	0.04095	0.01525	0.00290	0.00013	0.00000	0.31952

TABLE 6.5. Continued

STATION: 7 200 WEST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS E: 12084.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 52719.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00206	0.00348	0.00115	0.00021	0.00002	0.00000	0.00000	0.00000	0.00693
NORTH-NORTHEAST	0.00162	0.00170	0.00075	0.00097	0.00032	0.00000	0.00000	0.00000	0.00536
NORTHEAST	0.00116	0.00083	0.00025	0.00025	0.00016	0.00002	0.00000	0.00000	0.00267
EAST-NORTHEAST	0.00098	0.00083	0.00012	0.00000	0.00001	0.00000	0.00000	0.00000	0.00194
EAST	0.00130	0.00116	0.00013	0.00004	0.00001	0.00000	0.00000	0.00000	0.00264
EAST-SOUTHEAST	0.00165	0.00257	0.00055	0.00002	0.00000	0.00000	0.00000	0.00000	0.00478
SOUTHEAST	0.00290	0.00330	0.00103	0.00011	0.00000	0.00000	0.00000	0.00000	0.00733
SOUTH-SOUTHEAST	0.00303	0.00310	0.00064	0.00006	0.00000	0.00000	0.00000	0.00000	0.00684
SOUTH	0.00350	0.00214	0.00074	0.00025	0.00000	0.00000	0.00000	0.00000	0.00663
SOUTH-SOUTHWEST	0.00398	0.00259	0.00127	0.00073	0.00033	0.00003	0.00000	0.00000	0.00893
SOUTHWEST	0.00474	0.00415	0.00230	0.00187	0.00107	0.00014	0.00002	0.00000	0.01430
WEST-SOUTHWEST	0.00601	0.00901	0.00496	0.00285	0.00064	0.00003	0.00000	0.00000	0.02350
WEST	0.00638	0.01898	0.01212	0.00201	0.00016	0.00000	0.00000	0.00000	0.03965
WEST-NORTHWEST	0.00573	0.02570	0.01588	0.00311	0.00032	0.00002	0.00000	0.00000	0.05075
NORTHWEST	0.00463	0.01276	0.01045	0.00477	0.00112	0.00015	0.00000	0.00000	0.03389
NORTH-NORTHWEST	0.00331	0.00583	0.00332	0.00056	0.00006	0.00000	0.00000	0.00000	0.01308
TOTAL:	0.05298	0.09812	0.05567	0.01779	0.00423	0.00040	0.00002	0.00000	0.22922

STATION: 7 200 WEST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS F: 7400.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 52719.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00173	0.00227	0.00046	0.00003	0.00000	0.00000	0.00000	0.00000	0.00450
NORTH-NORTHEAST	0.00132	0.00114	0.00023	0.00007	0.00000	0.00000	0.00000	0.00001	0.00277
NORTHEAST	0.00087	0.00055	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00146
EAST-NORTHEAST	0.00094	0.00052	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00146
EAST	0.00098	0.00042	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00142
EAST-SOUTHEAST	0.00137	0.00099	0.00015	0.00004	0.00000	0.00000	0.00000	0.00000	0.00255
SOUTHEAST	0.00222	0.00269	0.00021	0.00004	0.00000	0.00000	0.00000	0.00000	0.00515
SOUTH-SOUTHEAST	0.00267	0.00181	0.00023	0.00003	0.00000	0.00000	0.00000	0.00000	0.00475
SOUTH	0.00268	0.00144	0.00015	0.00004	0.00000	0.00000	0.00000	0.00000	0.00430
SOUTH-SOUTHWEST	0.00364	0.00158	0.00029	0.00005	0.00000	0.00000	0.00000	0.00000	0.00556
SOUTHWEST	0.00469	0.00231	0.00043	0.00007	0.00000	0.00000	0.00000	0.00000	0.00749
WEST-SOUTHWEST	0.00620	0.00581	0.00093	0.00021	0.00000	0.00000	0.00000	0.00000	0.01315
WEST	0.00699	0.01363	0.00284	0.00024	0.00002	0.00000	0.00000	0.00000	0.02372
WEST-NORTHWEST	0.00734	0.02234	0.00482	0.00014	0.00000	0.00000	0.00000	0.00000	0.03464
NORTHWEST	0.00490	0.01049	0.00309	0.00011	0.00000	0.00000	0.00000	0.00000	0.01859
NORTH-NORTHWEST	0.00271	0.00416	0.00186	0.00013	0.00000	0.00000	0.00000	0.00000	0.00885
TOTAL:	0.05123	0.07216	0.01574	0.00120	0.00002	0.00000	0.00000	0.00002	0.14037

TABLE 6.5. Continued

STATION: 7 200 WEST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS G: 3102.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 52719.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00111	0.00088	0.00012	0.00000	0.00000	0.00000	0.00000	0.00000	0.00211
NORTH-NORTHEAST	0.00076	0.00040	0.00009	0.00000	0.00000	0.00000	0.00000	0.00000	0.00125
NORTHEAST	0.00053	0.00026	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00079
EAST-NORTHEAST	0.00058	0.00014	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00074
EAST	0.00056	0.00015	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00074
EAST-SOUTHEAST	0.00076	0.00051	0.00011	0.00001	0.00000	0.00000	0.00000	0.00000	0.00138
SOUTHEAST	0.00079	0.00082	0.00012	0.00000	0.00000	0.00000	0.00000	0.00000	0.00173
SOUTH-SOUTHEAST	0.00121	0.00069	0.00007	0.00000	0.00000	0.00000	0.00000	0.00000	0.00197
SOUTH	0.00128	0.00059	0.00002	0.00002	0.00000	0.00000	0.00000	0.00000	0.00190
SOUTH-SOUTHWEST	0.00154	0.00056	0.00004	0.00002	0.00000	0.00000	0.00000	0.00000	0.00215
SOUTHWEST	0.00208	0.00089	0.00008	0.00002	0.00000	0.00000	0.00000	0.00000	0.00308
WEST-SOUTHWEST	0.00273	0.00172	0.00013	0.00000	0.00000	0.00000	0.00000	0.00000	0.00458
WEST	0.00388	0.00545	0.00038	0.00003	0.00000	0.00000	0.00000	0.00000	0.00974
WEST-NORTHWEST	0.00428	0.01083	0.00140	0.00001	0.00000	0.00000	0.00000	0.00000	0.01652
NORTHWEST	0.00281	0.00380	0.00058	0.00000	0.00000	0.00000	0.00000	0.00000	0.00719
NORTH-NORTHWEST	0.00149	0.00131	0.00018	0.00000	0.00000	0.00000	0.00000	0.00000	0.00298
TOTAL:	0.02639	0.02900	0.00334	0.00011	0.00000	0.00000	0.00000	0.00000	0.05884

TABLE 6.6. Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the Fast Flux Test Facility Station

STATION: 9 FAST FLUX TEST FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS A: 9171.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66572.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00042	0.00292	0.00323	0.00114	0.00005	0.00001	0.00000	0.00000	0.00777
NORTH-NORTHEAST	0.00035	0.00378	0.00426	0.00126	0.00021	0.00002	0.00000	0.00000	0.00987
NORTHEAST	0.00032	0.00362	0.00283	0.00077	0.00011	0.00003	0.00000	0.00000	0.00768
EAST-NORTHEAST	0.00039	0.00369	0.00140	0.00014	0.00007	0.00000	0.00000	0.00000	0.00569
EAST	0.00036	0.00339	0.00134	0.00003	0.00000	0.00000	0.00000	0.00000	0.00513
EAST-SOUTHEAST	0.00054	0.00489	0.00169	0.00003	0.00000	0.00000	0.00000	0.00000	0.00715
SOUTHEAST	0.00037	0.00483	0.00204	0.00018	0.00003	0.00000	0.00000	0.00000	0.00745
SOUTH-SOUTHEAST	0.00023	0.00416	0.00295	0.00042	0.00002	0.00000	0.00000	0.00000	0.00777
SOUTH	0.00035	0.00423	0.00701	0.00223	0.00026	0.00003	0.00000	0.00000	0.01411
SOUTH-SOUTHWEST	0.00025	0.00336	0.00833	0.00753	0.00179	0.00020	0.00005	0.00000	0.02152
SOUTHWEST	0.00032	0.00189	0.00278	0.00361	0.00199	0.00055	0.00016	0.00000	0.01129
WEST-SOUTHWEST	0.00033	0.00130	0.00194	0.00210	0.00118	0.00037	0.00004	0.00000	0.00726
WEST	0.00020	0.00123	0.00178	0.00174	0.00072	0.00019	0.00003	0.00000	0.00589
WEST-NORTHWEST	0.00020	0.00169	0.00200	0.00126	0.00051	0.00013	0.00002	0.00000	0.00580
NORTHWEST	0.00021	0.00151	0.00242	0.00188	0.00080	0.00013	0.00008	0.00000	0.00701
NORTH-NORTHWEST	0.00037	0.00211	0.00259	0.00113	0.00015	0.00000	0.00000	0.00000	0.00635
TOTAL:	0.00521	0.04859	0.04856	0.02546	0.00789	0.00167	0.00038	0.00000	0.13776

STATION: 9 FAST FLUX TEST FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS B: 3753.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66572.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00020	0.00143	0.00178	0.00039	0.00001	0.00000	0.00000	0.00000	0.00381
NORTH-NORTHEAST	0.00032	0.00190	0.00149	0.00038	0.00009	0.00000	0.00000	0.00000	0.00419
NORTHEAST	0.00031	0.00178	0.00055	0.00021	0.00000	0.00002	0.00000	0.00000	0.00287
EAST-NORTHEAST	0.00037	0.00119	0.00037	0.00004	0.00000	0.00000	0.00000	0.00000	0.00197
EAST	0.00024	0.00137	0.00044	0.00000	0.00000	0.00000	0.00000	0.00000	0.00205
EAST-SOUTHEAST	0.00030	0.00134	0.00059	0.00001	0.00000	0.00000	0.00000	0.00000	0.00223
SOUTHEAST	0.00027	0.00180	0.00082	0.00011	0.00000	0.00000	0.00000	0.00000	0.00300
SOUTH-SOUTHEAST	0.00020	0.00207	0.00098	0.00018	0.00001	0.00000	0.00000	0.00000	0.00344
SOUTH	0.00024	0.00183	0.00257	0.00071	0.00009	0.00003	0.00000	0.00000	0.00547
SOUTH-SOUTHWEST	0.00028	0.00190	0.00401	0.00361	0.00048	0.00008	0.00001	0.00001	0.01039
SOUTHWEST	0.00028	0.00091	0.00121	0.00123	0.00048	0.00022	0.00006	0.00000	0.00439
WEST-SOUTHWEST	0.00016	0.00045	0.00063	0.00070	0.00040	0.00011	0.00000	0.00000	0.00245
WEST	0.00016	0.00053	0.00042	0.00043	0.00018	0.00003	0.00000	0.00000	0.00175
WEST-NORTHWEST	0.00008	0.00080	0.00034	0.00042	0.00017	0.00000	0.00001	0.00000	0.00183
NORTHWEST	0.00025	0.00090	0.00111	0.00061	0.00025	0.00003	0.00002	0.00000	0.00316
NORTH-NORTHWEST	0.00023	0.00152	0.00115	0.00041	0.00006	0.00000	0.00000	0.00000	0.00337
TOTAL:	0.00389	0.02171	0.01848	0.00945	0.00222	0.00051	0.00011	0.00002	0.05638

TABLE 6.6. Continued

STATION: 9 FAST FLUX TEST FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS C: 3403.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66572.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00020	0.00172	0.00137	0.00034	0.00001	0.00001	0.00000	0.00000	0.00364
NORTH-NORTHEAST	0.00025	0.00162	0.00118	0.00031	0.00002	0.00001	0.00000	0.00000	0.00339
NORTHEAST	0.00028	0.00132	0.00052	0.00017	0.00003	0.00003	0.00000	0.00000	0.00236
EAST-NORTHEAST	0.00036	0.00101	0.00023	0.00003	0.00001	0.00000	0.00000	0.00000	0.00164
EAST	0.00026	0.00086	0.00024	0.00002	0.00000	0.00000	0.00000	0.00000	0.00137
EAST-SOUTHEAST	0.00037	0.00105	0.00037	0.00003	0.00000	0.00000	0.00000	0.00000	0.00182
SOUTHEAST	0.00045	0.00146	0.00078	0.00005	0.00000	0.00000	0.00000	0.00000	0.00274
SOUTH-SOUTHEAST	0.00025	0.00194	0.00146	0.00019	0.00002	0.00001	0.00000	0.00000	0.00386
SOUTH	0.00024	0.00152	0.00204	0.00067	0.00003	0.00002	0.00000	0.00000	0.00451
SOUTH-SOUTHWEST	0.00024	0.00149	0.00268	0.00274	0.00038	0.00005	0.00003	0.00000	0.00760
SOUTHWEST	0.00024	0.00089	0.00094	0.00124	0.00052	0.00022	0.00006	0.00000	0.00413
WEST-SOUTHWEST	0.00020	0.00044	0.00044	0.00054	0.00035	0.00007	0.00000	0.00000	0.00204
WEST	0.00030	0.00080	0.00057	0.00034	0.00010	0.00002	0.00000	0.00000	0.00210
WEST-NORTHWEST	0.00024	0.00086	0.00079	0.00047	0.00014	0.00001	0.00000	0.00000	0.00252
NORTHWEST	0.00022	0.00114	0.00130	0.00056	0.00024	0.00015	0.00000	0.00000	0.00360
NORTH-NORTHWEST	0.00028	0.00165	0.00143	0.00035	0.00006	0.00000	0.00000	0.00000	0.00378
TOTAL:	0.00437	0.01977	0.01634	0.00805	0.00191	0.00059	0.00009	0.00000	0.05112

STATION: 9 FAST FLUX TEST FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS D: 20763.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66572.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00177	0.00746	0.00414	0.00150	0.00018	0.00007	0.00000	0.00000	0.01512
NORTH-NORTHEAST	0.00162	0.00656	0.00389	0.00135	0.00034	0.00009	0.00000	0.00000	0.01385
NORTHEAST	0.00141	0.00579	0.00276	0.00066	0.00027	0.00007	0.00002	0.00000	0.01097
EAST-NORTHEAST	0.00124	0.00402	0.00096	0.00015	0.00009	0.00007	0.00000	0.00000	0.00652
EAST	0.00110	0.00354	0.00086	0.00007	0.00002	0.00000	0.00000	0.00000	0.00559
EAST-SOUTHEAST	0.00189	0.00478	0.00131	0.00014	0.00002	0.00000	0.00000	0.00000	0.00814
SOUTHEAST	0.00150	0.00752	0.00356	0.00067	0.00000	0.00000	0.00000	0.00000	0.01325
SOUTH-SOUTHEAST	0.00167	0.01029	0.00923	0.00141	0.00006	0.00000	0.00000	0.00000	0.02267
SOUTH	0.00169	0.00941	0.01154	0.00477	0.00039	0.00003	0.00000	0.00000	0.02783
SOUTH-SOUTHWEST	0.00199	0.00826	0.01325	0.01401	0.00338	0.00100	0.00020	0.00001	0.04210
SOUTHWEST	0.00198	0.00516	0.00550	0.00714	0.00427	0.00251	0.00051	0.00003	0.02711
WEST-SOUTHWEST	0.00143	0.00375	0.00290	0.00310	0.00161	0.00066	0.00004	0.00000	0.01349
WEST	0.00120	0.00541	0.00476	0.00248	0.00073	0.00014	0.00000	0.00000	0.01472
WEST-NORTHWEST	0.00155	0.00908	0.01131	0.00632	0.00203	0.00024	0.00000	0.00000	0.03052
NORTHWEST	0.00195	0.01079	0.01446	0.00770	0.00327	0.00092	0.00003	0.00002	0.03912
NORTH-NORTHWEST	0.00192	0.00916	0.00738	0.00210	0.00029	0.00003	0.00000	0.00000	0.02088
TOTAL:	0.02591	0.11096	0.09779	0.05360	0.01694	0.00583	0.00080	0.00006	0.31189

TABLE 6.6. Continued

STATION: 9 FAST FLUX TEST FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS E: 15724.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66572.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00110	0.00573	0.00273	0.00051	0.00007	0.00000	0.00000	0.00000	0.01014
NORTH-NORTHEAST	0.00112	0.00467	0.00222	0.00047	0.00063	0.00017	0.00000	0.00000	0.00928
NORTHEAST	0.00096	0.00327	0.00109	0.00043	0.00015	0.00017	0.00011	0.00000	0.00618
EAST-NORTHEAST	0.00079	0.00235	0.00052	0.00008	0.00002	0.00000	0.00000	0.00000	0.00376
EAST	0.00080	0.00212	0.00020	0.00003	0.00002	0.00000	0.00000	0.00000	0.00317
EAST-SOUTHEAST	0.00109	0.00309	0.00067	0.00009	0.00000	0.00000	0.00000	0.00000	0.00494
SOUTHEAST	0.00101	0.00544	0.00358	0.00036	0.00000	0.00002	0.00000	0.00000	0.01041
SOUTH-SOUTHEAST	0.00105	0.00786	0.01091	0.00139	0.00001	0.00000	0.00000	0.00000	0.02122
SOUTH	0.00117	0.00880	0.01108	0.00312	0.00017	0.00001	0.00000	0.00000	0.02436
SOUTH-SOUTHWEST	0.00176	0.00873	0.01068	0.00806	0.00180	0.00060	0.00008	0.00001	0.03180
SOUTHWEST	0.00163	0.00558	0.00475	0.00425	0.00224	0.00083	0.00013	0.00003	0.01944
WEST-SOUTHWEST	0.00143	0.00473	0.00244	0.00163	0.00055	0.00010	0.00002	0.00000	0.01089
WEST	0.00128	0.00517	0.00401	0.00111	0.00021	0.00001	0.00000	0.00000	0.01178
WEST-NORTHWEST	0.00141	0.00724	0.01039	0.00364	0.00064	0.00003	0.00001	0.00000	0.02338
NORTHWEST	0.00148	0.00881	0.01414	0.00429	0.00069	0.00012	0.00000	0.00000	0.02954
NORTH-NORTHWEST	0.00163	0.00698	0.00575	0.00147	0.00006	0.00000	0.00000	0.00000	0.01589
TOTAL:	0.01971	0.09058	0.08517	0.03094	0.00736	0.00204	0.00035	0.00005	0.23620

STATION: 9 FAST FLUX TEST FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS F: 9631.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66572.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00106	0.00564	0.00224	0.00013	0.00001	0.00000	0.00000	0.00000	0.00907
NORTH-NORTHEAST	0.00100	0.00586	0.00212	0.00018	0.00004	0.00000	0.00000	0.00000	0.00919
NORTHEAST	0.00069	0.00322	0.00087	0.00006	0.00002	0.00000	0.00000	0.00000	0.00485
EAST-NORTHEAST	0.00071	0.00166	0.00030	0.00003	0.00000	0.00000	0.00000	0.00000	0.00270
EAST	0.00072	0.00148	0.00014	0.00002	0.00000	0.00000	0.00000	0.00000	0.00236
EAST-SOUTHEAST	0.00061	0.00202	0.00019	0.00000	0.00000	0.00000	0.00000	0.00000	0.00282
SOUTHEAST	0.00090	0.00337	0.00240	0.00014	0.00000	0.00000	0.00000	0.00000	0.00681
SOUTH-SOUTHEAST	0.00081	0.00540	0.00955	0.00126	0.00001	0.00000	0.00000	0.00000	0.01702
SOUTH	0.00107	0.00708	0.00789	0.00195	0.00009	0.00001	0.00000	0.00000	0.01808
SOUTH-SOUTHWEST	0.00127	0.00606	0.00649	0.00362	0.00042	0.00003	0.00000	0.00000	0.01790
SOUTHWEST	0.00138	0.00445	0.00225	0.00103	0.00029	0.00005	0.00000	0.00000	0.00945
WEST-SOUTHWEST	0.00105	0.00276	0.00109	0.00018	0.00008	0.00000	0.00000	0.00000	0.00517
WEST	0.00079	0.00269	0.00094	0.00017	0.00000	0.00000	0.00000	0.00000	0.00459
WEST-NORTHWEST	0.00100	0.00395	0.00310	0.00030	0.00000	0.00000	0.00000	0.00000	0.00835
NORTHWEST	0.00083	0.00530	0.00783	0.00108	0.00000	0.00000	0.00000	0.00000	0.01504
NORTH-NORTHWEST	0.00109	0.00552	0.00384	0.00081	0.00000	0.00000	0.00000	0.00000	0.01126
TOTAL:	0.01498	0.06647	0.05124	0.01095	0.00095	0.00009	0.00000	0.00000	0.14467

TABLE 6.6. Continued

STATION: 9 FAST FLUX TEST FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS G: 4127.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66572.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00047	0.00280	0.00111	0.00001	0.00000	0.00000	0.00000	0.00000	0.00439
NORTH-NORTHEAST	0.00038	0.00274	0.00102	0.00007	0.00003	0.00000	0.00000	0.00000	0.00423
NORTHEAST	0.00026	0.00158	0.00033	0.00002	0.00000	0.00000	0.00000	0.00000	0.00219
EAST-NORTHEAST	0.00022	0.00074	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100
EAST	0.00032	0.00066	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100
EAST-SOUTHEAST	0.00041	0.00078	0.00008	0.00001	0.00000	0.00000	0.00000	0.00000	0.00128
SOUTHEAST	0.00032	0.00147	0.00090	0.00011	0.00000	0.00000	0.00000	0.00000	0.00281
SOUTH-SOUTHEAST	0.00038	0.00220	0.00486	0.00091	0.00003	0.00000	0.00000	0.00000	0.00840
SOUTH	0.00050	0.00297	0.00322	0.00098	0.00011	0.00000	0.00000	0.00000	0.00778
SOUTH-SOUTHWEST	0.00062	0.00241	0.00230	0.00143	0.00030	0.00001	0.00000	0.00000	0.00708
SOUTHWEST	0.00047	0.00170	0.00070	0.00035	0.00009	0.00000	0.00000	0.00000	0.00331
WEST-SOUTHWEST	0.00044	0.00084	0.00017	0.00007	0.00003	0.00000	0.00000	0.00000	0.00155
WEST	0.00051	0.00101	0.00016	0.00002	0.00000	0.00000	0.00000	0.00000	0.00170
WEST-NORTHWEST	0.00038	0.00160	0.00109	0.00003	0.00000	0.00000	0.00000	0.00000	0.00310
NORTHWEST	0.00052	0.00255	0.00332	0.00055	0.00000	0.00000	0.00000	0.00000	0.00694
NORTH-NORTHWEST	0.00045	0.00249	0.00210	0.00020	0.00000	0.00000	0.00000	0.00000	0.00525
TOTAL:	0.00665	0.02854	0.02144	0.00475	0.00060	0.00002	0.00000	0.00000	0.06199

TABLE 6.7. Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the Yakima Barricade Station

STATION: 10 YAKIMA BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS A: 9258.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66883.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00063	0.00621	0.00443	0.00046	0.00005	0.00001	0.00000	0.00000	0.01179
NORTH-NORTHEAST	0.00070	0.00689	0.00238	0.00037	0.00008	0.00001	0.00000	0.00000	0.01041
NORTHEAST	0.00095	0.00567	0.00068	0.00045	0.00010	0.00001	0.00000	0.00000	0.00786
EAST-NORTHEAST	0.00098	0.00448	0.00035	0.00010	0.00000	0.00000	0.00000	0.00000	0.00591
EAST	0.00083	0.00398	0.00032	0.00001	0.00000	0.00000	0.00000	0.00000	0.00513
EAST-SOUTHEAST	0.00096	0.00549	0.00080	0.00004	0.00000	0.00000	0.00000	0.00000	0.00729
SOUTHEAST	0.00063	0.00503	0.00162	0.00008	0.00000	0.00000	0.00000	0.00000	0.00736
SOUTH-SOUTHEAST	0.00041	0.00324	0.00125	0.00006	0.00001	0.00000	0.00000	0.00000	0.00497
SOUTH	0.00034	0.00182	0.00095	0.00020	0.00006	0.00001	0.00000	0.00000	0.00338
SOUTH-SOUTHWEST	0.00034	0.00208	0.00184	0.00073	0.00018	0.00000	0.00000	0.00000	0.00518
SOUTHWEST	0.00018	0.00200	0.00364	0.00327	0.00113	0.00023	0.00000	0.00000	0.01044
WEST-SOUTHWEST	0.00017	0.00177	0.00374	0.00389	0.00145	0.00049	0.00000	0.00000	0.01150
WEST	0.00026	0.00162	0.00166	0.00160	0.00036	0.00008	0.00000	0.00000	0.00559
WEST-NORTHWEST	0.00020	0.00146	0.00170	0.00148	0.00061	0.00002	0.00000	0.00000	0.00547
NORTHWEST	0.00038	0.00230	0.00644	0.00629	0.00303	0.00052	0.00001	0.00000	0.01898
NORTH-NORTHWEST	0.00047	0.00500	0.00805	0.00299	0.00059	0.00005	0.00000	0.00000	0.01715
TOTAL:	0.00843	0.05903	0.03985	0.02202	0.00764	0.00144	0.00001	0.00000	0.13842

STATION: 10 YAKIMA BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS B: 3754.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66883.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00042	0.00350	0.00144	0.00005	0.00000	0.00000	0.00000	0.00000	0.00541
NORTH-NORTHEAST	0.00027	0.00333	0.00070	0.00010	0.00000	0.00000	0.00000	0.00000	0.00440
NORTHEAST	0.00051	0.00218	0.00047	0.00013	0.00001	0.00000	0.00000	0.00000	0.00331
EAST-NORTHEAST	0.00054	0.00180	0.00012	0.00001	0.00000	0.00000	0.00000	0.00000	0.00247
EAST	0.00036	0.00145	0.00017	0.00000	0.00000	0.00000	0.00000	0.00000	0.00198
EAST-SOUTHEAST	0.00043	0.00148	0.00023	0.00000	0.00000	0.00000	0.00000	0.00000	0.00214
SOUTHEAST	0.00035	0.00207	0.00037	0.00006	0.00000	0.00000	0.00000	0.00000	0.00285
SOUTH-SOUTHEAST	0.00031	0.00151	0.00036	0.00005	0.00000	0.00000	0.00000	0.00000	0.00222
SOUTH	0.00023	0.00117	0.00029	0.00010	0.00004	0.00001	0.00000	0.00000	0.00184
SOUTH-SOUTHWEST	0.00023	0.00096	0.00061	0.00018	0.00011	0.00005	0.00000	0.00000	0.00215
SOUTHWEST	0.00021	0.00096	0.00128	0.00088	0.00035	0.00018	0.00000	0.00000	0.00386
WEST-SOUTHWEST	0.00011	0.00078	0.00152	0.00127	0.00021	0.00014	0.00001	0.00000	0.00404
WEST	0.00014	0.00050	0.00055	0.00035	0.00011	0.00000	0.00000	0.00000	0.00166
WEST-NORTHWEST	0.00013	0.00089	0.00070	0.00048	0.00019	0.00001	0.00000	0.00000	0.00240
NORTHWEST	0.00012	0.00176	0.00321	0.00200	0.00054	0.00012	0.00001	0.00000	0.00776
NORTH-NORTHWEST	0.00030	0.00289	0.00352	0.00082	0.00009	0.00001	0.00000	0.00000	0.00763
TOTAL:	0.00466	0.02726	0.01553	0.00647	0.00164	0.00052	0.00003	0.00000	0.05613

TABLE 6.7. Continued

STATION: 10 YAKIMA BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS C: 3463.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66883.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00056	0.00292	0.00110	0.00009	0.00000	0.00000	0.00000	0.00000	0.00467
NORTH-NORTHEAST	0.00068	0.00249	0.00073	0.00008	0.00003	0.00000	0.00000	0.00000	0.00400
NORTHEAST	0.00062	0.00190	0.00036	0.00005	0.00000	0.00000	0.00000	0.00000	0.00293
EAST-NORTHEAST	0.00042	0.00123	0.00009	0.00001	0.00000	0.00000	0.00000	0.00000	0.00175
EAST	0.00052	0.00093	0.00015	0.00000	0.00000	0.00000	0.00000	0.00000	0.00160
EAST-SOUTHEAST	0.00052	0.00105	0.00016	0.00003	0.00000	0.00000	0.00000	0.00000	0.00175
SOUTHEAST	0.00055	0.00146	0.00025	0.00002	0.00000	0.00000	0.00000	0.00000	0.00229
SOUTH-SOUTHEAST	0.00045	0.00138	0.00038	0.00004	0.00000	0.00000	0.00000	0.00000	0.00225
SOUTH	0.00044	0.00087	0.00033	0.00005	0.00001	0.00000	0.00000	0.00000	0.00171
SOUTH-SOUTHWEST	0.00026	0.00074	0.00044	0.00014	0.00008	0.00004	0.00001	0.00000	0.00172
SOUTHWEST	0.00042	0.00094	0.00110	0.00057	0.00037	0.00011	0.00002	0.00000	0.00352
WEST-SOUTHWEST	0.00029	0.00077	0.00140	0.00111	0.00021	0.00003	0.00000	0.00000	0.00381
WEST	0.00026	0.00088	0.00066	0.00036	0.00007	0.00003	0.00000	0.00000	0.00225
WEST-NORTHWEST	0.00014	0.00093	0.00108	0.00045	0.00010	0.00003	0.00000	0.00000	0.00273
NORTHWEST	0.00032	0.00156	0.00352	0.00206	0.00061	0.00014	0.00002	0.00000	0.00823
NORTH-NORTHWEST	0.00032	0.00258	0.00280	0.00078	0.00008	0.00001	0.00001	0.00000	0.00658
TOTAL:	0.00677	0.02262	0.01453	0.00583	0.00157	0.00039	0.00006	0.00000	0.05178

STATION: 10 YAKIMA BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS D: 20976.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66883.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00426	0.01142	0.00353	0.00037	0.00012	0.00000	0.00000	0.00000	0.01970
NORTH-NORTHEAST	0.00472	0.00909	0.00219	0.00067	0.00016	0.00000	0.00000	0.00000	0.01683
NORTHEAST	0.00397	0.00592	0.00090	0.00029	0.00015	0.00000	0.00000	0.00000	0.01122
EAST-NORTHEAST	0.00325	0.00359	0.00024	0.00012	0.00005	0.00000	0.00000	0.00000	0.00726
EAST	0.00289	0.00297	0.00037	0.00001	0.00000	0.00000	0.00000	0.00000	0.00623
EAST-SOUTHEAST	0.00355	0.00395	0.00088	0.00004	0.00000	0.00000	0.00000	0.00000	0.00843
SOUTHEAST	0.00356	0.00515	0.00140	0.00015	0.00000	0.00000	0.00000	0.00000	0.01026
SOUTH-SOUTHEAST	0.00376	0.00539	0.00186	0.00030	0.00003	0.00000	0.00000	0.00000	0.01133
SOUTH	0.00366	0.00353	0.00158	0.00060	0.00017	0.00003	0.00001	0.00000	0.00959
SOUTH-SOUTHWEST	0.00351	0.00346	0.00242	0.00212	0.00134	0.00032	0.00009	0.00000	0.01326
SOUTHWEST	0.00368	0.00466	0.00523	0.00543	0.00315	0.00110	0.00007	0.00000	0.02333
WEST-SOUTHWEST	0.00351	0.00681	0.00840	0.00664	0.00195	0.00082	0.00005	0.00000	0.02818
WEST	0.00351	0.00908	0.00837	0.00292	0.00038	0.00014	0.00000	0.00000	0.02440
WEST-NORTHWEST	0.00326	0.00986	0.00914	0.00526	0.00202	0.00035	0.00000	0.00000	0.02988
NORTHWEST	0.00287	0.01241	0.01917	0.01572	0.00984	0.00250	0.00007	0.00000	0.06258
NORTH-NORTHWEST	0.00339	0.01331	0.01052	0.00316	0.00068	0.00009	0.00000	0.00000	0.03115
TOTAL:	0.05735	0.11058	0.07619	0.04381	0.02003	0.00535	0.00030	0.00000	0.31362

TABLE 6.7. Continued

STATION: 10 YAKIMA BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS E: 15733.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66883.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00215	0.00614	0.00185	0.00048	0.00004	0.00000	0.00000	0.00000	0.01065
NORTH-NORTHEAST	0.00177	0.00320	0.00059	0.00053	0.00020	0.00000	0.00000	0.00000	0.00629
NORTHEAST	0.00143	0.00163	0.00020	0.00024	0.00019	0.00000	0.00000	0.00000	0.00368
EAST-NORTHEAST	0.00120	0.00110	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00241
EAST	0.00100	0.00076	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000	0.00181
EAST-SOUTHEAST	0.00125	0.00138	0.00023	0.00001	0.00000	0.00000	0.00000	0.00000	0.00287
SOUTHEAST	0.00150	0.00217	0.00048	0.00005	0.00002	0.00000	0.00000	0.00000	0.00422
SOUTH-SOUTHEAST	0.00212	0.00299	0.00078	0.00011	0.00004	0.00000	0.00000	0.00000	0.00603
SOUTH	0.00237	0.00324	0.00111	0.00027	0.00003	0.00002	0.00000	0.00000	0.00705
SOUTH-SOUTHWEST	0.00289	0.00355	0.00153	0.00076	0.00027	0.00008	0.00003	0.00000	0.00910
SOUTHWEST	0.00337	0.00548	0.00366	0.00198	0.00096	0.00016	0.00003	0.00000	0.01564
WEST-SOUTHWEST	0.00452	0.01265	0.00880	0.00368	0.00052	0.00007	0.00000	0.00000	0.03024
WEST	0.00494	0.02127	0.01168	0.00167	0.00018	0.00001	0.00000	0.00000	0.03974
WEST-NORTHWEST	0.00396	0.01589	0.00981	0.00305	0.00064	0.00007	0.00000	0.00000	0.03342
NORTHWEST	0.00300	0.01130	0.01543	0.00995	0.00335	0.00050	0.00000	0.00000	0.04353
NORTH-NORTHWEST	0.00273	0.00787	0.00528	0.00226	0.00034	0.00005	0.00000	0.00000	0.01854
TOTAL:	0.04019	0.10062	0.06157	0.02506	0.00677	0.00096	0.00006	0.00000	0.23523

STATION: 10 YAKIMA BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS F: 9586.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66883.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00153	0.00418	0.00138	0.00028	0.00000	0.00000	0.00000	0.00000	0.00738
NORTH-NORTHEAST	0.00115	0.00248	0.00028	0.00008	0.00000	0.00000	0.00000	0.00000	0.00399
NORTHEAST	0.00071	0.00085	0.00005	0.00001	0.00000	0.00000	0.00000	0.00000	0.00162
EAST-NORTHEAST	0.00069	0.00048	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00120
EAST	0.00060	0.00034	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00096
EAST-SOUTHEAST	0.00061	0.00042	0.00006	0.00001	0.00000	0.00000	0.00000	0.00000	0.00110
SOUTHEAST	0.00069	0.00091	0.00010	0.00000	0.00000	0.00000	0.00000	0.00000	0.00171
SOUTH-SOUTHEAST	0.00124	0.00171	0.00022	0.00001	0.00000	0.00000	0.00000	0.00000	0.00317
SOUTH	0.00125	0.00275	0.00045	0.00007	0.00000	0.00000	0.00000	0.00000	0.00452
SOUTH-SOUTHWEST	0.00158	0.00331	0.00073	0.00006	0.00000	0.00000	0.00000	0.00000	0.00568
SOUTHWEST	0.00228	0.00446	0.00273	0.00027	0.00000	0.00000	0.00000	0.00000	0.00975
WEST-SOUTHWEST	0.00359	0.01069	0.00451	0.00043	0.00003	0.00000	0.00000	0.00000	0.01926
WEST	0.00442	0.02150	0.00791	0.00027	0.00002	0.00000	0.00000	0.00000	0.03412
WEST-NORTHWEST	0.00316	0.01248	0.00427	0.00023	0.00000	0.00000	0.00000	0.00000	0.02014
NORTHWEST	0.00222	0.00727	0.00612	0.00158	0.00013	0.00000	0.00000	0.00000	0.01733
NORTH-NORTHWEST	0.00187	0.00470	0.00351	0.00127	0.00004	0.00000	0.00000	0.00000	0.01138
TOTAL:	0.02760	0.07854	0.03238	0.00458	0.00022	0.00000	0.00000	0.00000	0.14332

TABLE 6.7. Continued

STATION: 10 YAKIMA BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS G: 4113.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66883.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00078	0.00201	0.00048	0.00004	0.00000	0.00000	0.00000	0.00000	0.00331
NORTH-NORTHEAST	0.00059	0.00171	0.00032	0.00002	0.00000	0.00000	0.00000	0.00000	0.00264
NORTHEAST	0.00034	0.00044	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00080
EAST-NORTHEAST	0.00026	0.00018	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00045
EAST	0.00023	0.00011	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00034
EAST-SOUTHEAST	0.00019	0.00014	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00034
SOUTHEAST	0.00036	0.00025	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00062
SOUTH-SOUTHEAST	0.00044	0.00073	0.00007	0.00000	0.00000	0.00000	0.00000	0.00000	0.00125
SOUTH	0.00067	0.00134	0.00011	0.00001	0.00000	0.00000	0.00000	0.00000	0.00212
SOUTH-SOUTHWEST	0.00065	0.00164	0.00039	0.00001	0.00000	0.00000	0.00000	0.00000	0.00268
SOUTHWEST	0.00088	0.00161	0.00168	0.00003	0.00000	0.00000	0.00000	0.00000	0.00421
WEST-SOUTHWEST	0.00152	0.00424	0.00219	0.00005	0.00000	0.00000	0.00000	0.00000	0.00800
WEST	0.00191	0.01007	0.00420	0.00004	0.00001	0.00000	0.00000	0.00000	0.01624
WEST-NORTHWEST	0.00152	0.00473	0.00156	0.00002	0.00000	0.00000	0.00000	0.00000	0.00783
NORTHWEST	0.00075	0.00276	0.00218	0.00039	0.00000	0.00000	0.00000	0.00000	0.00609
NORTH-NORTHWEST	0.00082	0.00231	0.00112	0.00031	0.00000	0.00000	0.00000	0.00000	0.00457
TOTAL:	0.01192	0.03428	0.01434	0.00094	0.00001	0.00000	0.00000	0.00000	0.06150

TABLE 6.8. Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the 300 Area Station

STATION: 11 300 AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS A: 6159.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 53759.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00031	0.00184	0.00226	0.00113	0.00009	0.00002	0.00000	0.00000	0.00565
NORTH-NORTHEAST	0.00030	0.00247	0.00492	0.00187	0.00012	0.00000	0.00000	0.00000	0.00968
NORTHEAST	0.00027	0.00312	0.00445	0.00066	0.00003	0.00004	0.00000	0.00000	0.00855
EAST-NORTHEAST	0.00036	0.00381	0.00171	0.00009	0.00002	0.00000	0.00000	0.00000	0.00599
EAST	0.00031	0.00522	0.00253	0.00006	0.00000	0.00000	0.00000	0.00000	0.00811
EAST-SOUTHEAST	0.00037	0.00432	0.00339	0.00002	0.00000	0.00000	0.00000	0.00000	0.00810
SOUTHEAST	0.00033	0.00430	0.00373	0.00040	0.00002	0.00000	0.00000	0.00000	0.00879
SOUTH-SOUTHEAST	0.00059	0.00278	0.00223	0.00015	0.00003	0.00000	0.00000	0.00000	0.00579
SOUTH	0.00027	0.00180	0.00222	0.00055	0.00012	0.00001	0.00000	0.00000	0.00496
SOUTH-SOUTHWEST	0.00028	0.00187	0.00451	0.00273	0.00086	0.00011	0.00000	0.00000	0.01035
SOUTHWEST	0.00030	0.00206	0.00613	0.00491	0.00151	0.00041	0.00002	0.00000	0.01535
WEST-SOUTHWEST	0.00021	0.00163	0.00336	0.00390	0.00122	0.00026	0.00000	0.00000	0.01058
WEST	0.00017	0.00069	0.00094	0.00097	0.00070	0.00022	0.00002	0.00000	0.00372
WEST-NORTHWEST	0.00015	0.00056	0.00052	0.00047	0.00005	0.00002	0.00000	0.00000	0.00176
NORTHWEST	0.00031	0.00069	0.00072	0.00065	0.00042	0.00006	0.00000	0.00000	0.00285
NORTH-NORTHWEST	0.00027	0.00172	0.00147	0.00065	0.00017	0.00003	0.00000	0.00000	0.00432
TOTAL:	0.00480	0.03888	0.04509	0.01922	0.00536	0.00119	0.00004	0.00000	0.11457

STATION: 11 300 AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS B: 3166.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 53759.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00033	0.00161	0.00166	0.00057	0.00008	0.00000	0.00000	0.00000	0.00424
NORTH-NORTHEAST	0.00024	0.00181	0.00227	0.00071	0.00012	0.00000	0.00000	0.00000	0.00515
NORTHEAST	0.00010	0.00153	0.00117	0.00011	0.00003	0.00000	0.00000	0.00000	0.00294
EAST-NORTHEAST	0.00024	0.00153	0.00033	0.00002	0.00000	0.00000	0.00000	0.00000	0.00212
EAST	0.00041	0.00222	0.00090	0.00002	0.00000	0.00000	0.00000	0.00000	0.00356
EAST-SOUTHEAST	0.00028	0.00278	0.00160	0.00005	0.00000	0.00000	0.00000	0.00000	0.00471
SOUTHEAST	0.00037	0.00272	0.00203	0.00016	0.00000	0.00000	0.00000	0.00000	0.00528
SOUTH-SOUTHEAST	0.00035	0.00197	0.00111	0.00009	0.00003	0.00000	0.00000	0.00000	0.00355
SOUTH	0.00023	0.00130	0.00106	0.00027	0.00008	0.00001	0.00000	0.00000	0.00295
SOUTH-SOUTHWEST	0.00029	0.00158	0.00286	0.00150	0.00026	0.00004	0.00000	0.00000	0.00652
SOUTHWEST	0.00020	0.00110	0.00276	0.00209	0.00044	0.00012	0.00002	0.00002	0.00675
WEST-SOUTHWEST	0.00017	0.00067	0.00129	0.00141	0.00045	0.00011	0.00000	0.00000	0.00409
WEST	0.00023	0.00046	0.00040	0.00035	0.00022	0.00005	0.00000	0.00000	0.00171
WEST-NORTHWEST	0.00016	0.00038	0.00021	0.00013	0.00004	0.00000	0.00000	0.00000	0.00093
NORTHWEST	0.00010	0.00047	0.00036	0.00036	0.00007	0.00004	0.00002	0.00000	0.00141
NORTH-NORTHWEST	0.00023	0.00138	0.00083	0.00041	0.00014	0.00000	0.00000	0.00000	0.00299
TOTAL:	0.00391	0.02351	0.02085	0.00824	0.00195	0.00037	0.00004	0.00002	0.05889

TABLE 6.8. Continued

STATION: 11 300 AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS C: 3045.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 53759.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00035	0.00201	0.00219	0.00070	0.00011	0.00000	0.00000	0.00000	0.00535
NORTH-NORTHEAST	0.00021	0.00167	0.00166	0.00035	0.00005	0.00002	0.00000	0.00000	0.00395
NORTHEAST	0.00023	0.00100	0.00069	0.00011	0.00000	0.00002	0.00000	0.00000	0.00206
EAST-NORTHEAST	0.00034	0.00118	0.00028	0.00003	0.00000	0.00000	0.00000	0.00000	0.00184
EAST	0.00027	0.00121	0.00050	0.00002	0.00000	0.00000	0.00000	0.00000	0.00199
EAST-SOUTHEAST	0.00028	0.00239	0.00113	0.00015	0.00000	0.00000	0.00000	0.00000	0.00396
SOUTHEAST	0.00028	0.00314	0.00158	0.00007	0.00000	0.00000	0.00000	0.00000	0.00507
SOUTH-SOUTHEAST	0.00043	0.00183	0.00087	0.00013	0.00000	0.00000	0.00000	0.00000	0.00326
SOUTH	0.00045	0.00133	0.00102	0.00018	0.00006	0.00000	0.00000	0.00000	0.00303
SOUTH-SOUTHWEST	0.00037	0.00112	0.00209	0.00134	0.00026	0.00002	0.00000	0.00000	0.00519
SOUTHWEST	0.00028	0.00102	0.00274	0.00226	0.00073	0.00017	0.00009	0.00002	0.00732
WEST-SOUTHWEST	0.00038	0.00063	0.00118	0.00119	0.00041	0.00008	0.00000	0.00000	0.00387
WEST	0.00045	0.00048	0.00037	0.00022	0.00014	0.00002	0.00000	0.00000	0.00169
WEST-NORTHWEST	0.00034	0.00057	0.00011	0.00011	0.00004	0.00001	0.00000	0.00000	0.00118
NORTHWEST	0.00037	0.00116	0.00056	0.00037	0.00017	0.00000	0.00000	0.00000	0.00263
NORTH-NORTHWEST	0.00046	0.00175	0.00147	0.00053	0.00004	0.00000	0.00000	0.00000	0.00426
TOTAL:	0.00551	0.02249	0.01843	0.00776	0.00201	0.00033	0.00009	0.00002	0.05664

STATION: 11 300 AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS D: 17498.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 53759.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00128	0.01119	0.01079	0.00289	0.00026	0.00009	0.00001	0.00000	0.02652
NORTH-NORTHEAST	0.00086	0.00511	0.00534	0.00181	0.00032	0.00013	0.00001	0.00000	0.01358
NORTHEAST	0.00070	0.00337	0.00273	0.00053	0.00026	0.00003	0.00002	0.00000	0.00765
EAST-NORTHEAST	0.00090	0.00323	0.00112	0.00027	0.00003	0.00006	0.00000	0.00000	0.00560
EAST	0.00073	0.00542	0.00188	0.00018	0.00003	0.00000	0.00000	0.00000	0.00824
EAST-SOUTHEAST	0.00153	0.01013	0.00435	0.00031	0.00004	0.00000	0.00000	0.00000	0.01636
SOUTHEAST	0.00176	0.01506	0.00713	0.00059	0.00004	0.00000	0.00000	0.00000	0.02458
SOUTH-SOUTHEAST	0.00238	0.01065	0.00400	0.00065	0.00005	0.00000	0.00000	0.00000	0.01772
SOUTH	0.00205	0.00903	0.00591	0.00162	0.00018	0.00003	0.00000	0.00000	0.01882
SOUTH-SOUTHWEST	0.00248	0.00848	0.01167	0.00815	0.00203	0.00076	0.00005	0.00000	0.03362
SOUTHWEST	0.00332	0.00697	0.01133	0.01114	0.00505	0.00266	0.00078	0.00009	0.04133
WEST-SOUTHWEST	0.00274	0.00580	0.00659	0.00631	0.00225	0.00099	0.00011	0.00000	0.02479
WEST	0.00239	0.00436	0.00252	0.00189	0.00062	0.00031	0.00005	0.00000	0.01214
WEST-NORTHWEST	0.00211	0.00519	0.00204	0.00120	0.00031	0.00006	0.00001	0.00000	0.01092
NORTHWEST	0.00236	0.00999	0.00587	0.00495	0.00209	0.00057	0.00004	0.00000	0.02586
NORTH-NORTHWEST	0.00260	0.01529	0.01336	0.00526	0.00109	0.00014	0.00002	0.00000	0.03776
TOTAL:	0.03019	0.12926	0.09663	0.04775	0.01466	0.00582	0.00108	0.00009	0.32549

TABLE 6.8. Continued

STATION: 11 300 AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS E: 12778.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 53759.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00118	0.00766	0.01029	0.00171	0.00027	0.00000	0.00000	0.00000	0.02111
NORTH-NORTHEAST	0.00070	0.00266	0.00363	0.00069	0.00076	0.00010	0.00008	0.00000	0.00861
NORTHEAST	0.00068	0.00084	0.00037	0.00045	0.00026	0.00008	0.00009	0.00000	0.00277
EAST-NORTHEAST	0.00067	0.00104	0.00039	0.00023	0.00008	0.00000	0.00000	0.00000	0.00241
EAST	0.00095	0.00209	0.00071	0.00010	0.00004	0.00000	0.00000	0.00000	0.00388
EAST-SOUTHEAST	0.00140	0.00835	0.00415	0.00004	0.00000	0.00000	0.00000	0.00000	0.01394
SOUTHEAST	0.00168	0.01571	0.00616	0.00037	0.00000	0.00000	0.00000	0.00000	0.02391
SOUTH-SOUTHEAST	0.00212	0.01189	0.00269	0.00033	0.00002	0.00000	0.00000	0.00000	0.01704
SOUTH	0.00193	0.01049	0.00545	0.00095	0.00008	0.00000	0.00000	0.00000	0.01889
SOUTH-SOUTHWEST	0.00251	0.00702	0.00781	0.00351	0.00103	0.00034	0.00002	0.00000	0.02223
SOUTHWEST	0.00276	0.00602	0.00768	0.00561	0.00260	0.00156	0.00043	0.00000	0.02666
WEST-SOUTHWEST	0.00239	0.00485	0.00501	0.00279	0.00056	0.00013	0.00000	0.00000	0.01573
WEST	0.00239	0.00405	0.00212	0.00078	0.00018	0.00001	0.00000	0.00000	0.00953
WEST-NORTHWEST	0.00254	0.00527	0.00190	0.00047	0.00000	0.00000	0.00000	0.00000	0.01019
NORTHWEST	0.00228	0.00706	0.00419	0.00204	0.00052	0.00015	0.00000	0.00000	0.01624
NORTH-NORTHWEST	0.00215	0.01117	0.00860	0.00222	0.00042	0.00000	0.00000	0.00000	0.02456
TOTAL:	0.02833	0.10616	0.07113	0.02227	0.00681	0.00238	0.00061	0.00000	0.23769

STATION: 11 300 AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS F: 7772.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 53759.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00100	0.00447	0.00791	0.00082	0.00001	0.00000	0.00000	0.00000	0.01421
NORTH-NORTHEAST	0.00070	0.00151	0.00256	0.00043	0.00002	0.00000	0.00000	0.00000	0.00523
NORTHEAST	0.00054	0.00053	0.00025	0.00019	0.00004	0.00000	0.00000	0.00000	0.00155
EAST-NORTHEAST	0.00044	0.00026	0.00025	0.00020	0.00000	0.00000	0.00000	0.00000	0.00114
EAST	0.00072	0.00095	0.00036	0.00005	0.00000	0.00000	0.00000	0.00000	0.00208
EAST-SOUTHEAST	0.00124	0.00520	0.00371	0.00007	0.00000	0.00000	0.00000	0.00000	0.01023
SOUTHEAST	0.00139	0.01307	0.00553	0.00003	0.00000	0.00000	0.00000	0.00000	0.02002
SOUTH-SOUTHEAST	0.00196	0.01051	0.00175	0.00007	0.00001	0.00000	0.00000	0.00000	0.01430
SOUTH	0.00235	0.00692	0.00294	0.00027	0.00001	0.00000	0.00000	0.00000	0.01249
SOUTH-SOUTHWEST	0.00203	0.00469	0.00370	0.00077	0.00012	0.00003	0.00000	0.00000	0.01134
SOUTHWEST	0.00266	0.00322	0.00315	0.00165	0.00047	0.00008	0.00000	0.00000	0.01122
WEST-SOUTHWEST	0.00228	0.00217	0.00122	0.00069	0.00008	0.00002	0.00000	0.00000	0.00646
WEST	0.00182	0.00242	0.00040	0.00015	0.00000	0.00000	0.00000	0.00000	0.00479
WEST-NORTHWEST	0.00215	0.00292	0.00034	0.00004	0.00000	0.00000	0.00000	0.00000	0.00545
NORTHWEST	0.00214	0.00564	0.00107	0.00018	0.00004	0.00000	0.00000	0.00000	0.00907
NORTH-NORTHWEST	0.00161	0.00782	0.00489	0.00065	0.00002	0.00000	0.00000	0.00000	0.01499
TOTAL:	0.02502	0.07230	0.04005	0.00625	0.00082	0.00013	0.00000	0.00000	0.14457

TABLE 6.8. Continued

STATION: 11 300 AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS G: 3341.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 53759.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00063	0.00235	0.00374	0.00056	0.00001	0.00000	0.00000	0.00000	0.00729
NORTH-NORTHEAST	0.00045	0.00069	0.00120	0.00035	0.00001	0.00000	0.00000	0.00000	0.00269
NORTHEAST	0.00027	0.00011	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040
EAST-NORTHEAST	0.00015	0.00009	0.00002	0.00004	0.00000	0.00000	0.00000	0.00000	0.00030
EAST	0.00036	0.00038	0.00009	0.00003	0.00000	0.00000	0.00000	0.00000	0.00086
EAST-SOUTHEAST	0.00057	0.00246	0.00178	0.00006	0.00000	0.00000	0.00000	0.00000	0.00487
SOUTHEAST	0.00079	0.00653	0.00267	0.00002	0.00000	0.00000	0.00000	0.00000	0.01001
SOUTH-SOUTHEAST	0.00069	0.00469	0.00060	0.00003	0.00000	0.00000	0.00000	0.00000	0.00602
SOUTH	0.00099	0.00283	0.00080	0.00014	0.00000	0.00000	0.00000	0.00000	0.00477
SOUTH-SOUTHWEST	0.00094	0.00170	0.00134	0.00039	0.00005	0.00000	0.00000	0.00000	0.00442
SOUTHWEST	0.00135	0.00103	0.00107	0.00063	0.00011	0.00002	0.00000	0.00000	0.00421
WEST-SOUTHWEST	0.00098	0.00062	0.00033	0.00021	0.00000	0.00000	0.00002	0.00000	0.00215
WEST	0.00098	0.00083	0.00012	0.00001	0.00000	0.00000	0.00000	0.00000	0.00195
WEST-NORTHWEST	0.00095	0.00126	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000	0.00226
NORTHWEST	0.00102	0.00240	0.00025	0.00000	0.00000	0.00000	0.00000	0.00000	0.00367
NORTH-NORTHWEST	0.00097	0.00311	0.00207	0.00013	0.00000	0.00000	0.00000	0.00000	0.00628
TOTAL:	0.01209	0.03106	0.01616	0.00260	0.00019	0.00002	0.00002	0.00000	0.06215

TABLE 6.9. Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the Wye Barricade Station

STATION: 12 WYE BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS A: 9214.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66481.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00068	0.00343	0.00316	0.00091	0.00008	0.00000	0.00000	0.00000	0.00825
NORTH-NORTHEAST	0.00064	0.00389	0.00248	0.00073	0.00015	0.00000	0.00000	0.00000	0.00789
NORTHEAST	0.00074	0.00346	0.00171	0.00048	0.00007	0.00005	0.00000	0.00000	0.00650
EAST-NORTHEAST	0.00067	0.00306	0.00099	0.00032	0.00003	0.00000	0.00000	0.00000	0.00507
EAST	0.00081	0.00347	0.00111	0.00007	0.00000	0.00000	0.00000	0.00000	0.00546
EAST-SOUTHEAST	0.00089	0.00306	0.00101	0.00001	0.00000	0.00000	0.00000	0.00000	0.00497
SOUTHEAST	0.00074	0.00349	0.00138	0.00008	0.00002	0.00000	0.00000	0.00000	0.00571
SOUTH-SOUTHEAST	0.00062	0.00485	0.00270	0.00044	0.00003	0.00000	0.00000	0.00000	0.00865
SOUTH	0.00072	0.00494	0.00502	0.00182	0.00026	0.00004	0.00000	0.00000	0.01280
SOUTH-SOUTHWEST	0.00060	0.00403	0.00595	0.00415	0.00104	0.00014	0.00000	0.00000	0.01592
SOUTHWEST	0.00061	0.00321	0.00423	0.00304	0.00131	0.00037	0.00009	0.00000	0.01286
WEST-SOUTHWEST	0.00064	0.00290	0.00349	0.00266	0.00123	0.00042	0.00011	0.00000	0.01145
WEST	0.00060	0.00224	0.00288	0.00222	0.00092	0.00028	0.00003	0.00000	0.00917
WEST-NORTHWEST	0.00039	0.00240	0.00225	0.00198	0.00061	0.00005	0.00000	0.00000	0.00768
NORTHWEST	0.00055	0.00277	0.00224	0.00153	0.00133	0.00031	0.00005	0.00000	0.00878
NORTH-NORTHWEST	0.00057	0.00318	0.00248	0.00083	0.00032	0.00005	0.00000	0.00000	0.00744
TOTAL:	0.01047	0.05438	0.04310	0.02127	0.00740	0.00171	0.00027	0.00000	0.13860

STATION: 12 WYE BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS B: 3758.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66481.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00032	0.00152	0.00088	0.00025	0.00000	0.00000	0.00000	0.00000	0.00297
NORTH-NORTHEAST	0.00036	0.00134	0.00082	0.00030	0.00007	0.00002	0.00000	0.00000	0.00290
NORTHEAST	0.00029	0.00108	0.00026	0.00009	0.00000	0.00000	0.00000	0.00000	0.00171
EAST-NORTHEAST	0.00025	0.00091	0.00020	0.00010	0.00000	0.00001	0.00000	0.00000	0.00148
EAST	0.00024	0.00106	0.00029	0.00001	0.00000	0.00000	0.00000	0.00000	0.00159
EAST-SOUTHEAST	0.00030	0.00090	0.00034	0.00000	0.00000	0.00000	0.00000	0.00000	0.00154
SOUTHEAST	0.00028	0.00098	0.00036	0.00004	0.00000	0.00000	0.00000	0.00000	0.00165
SOUTH-SOUTHEAST	0.00034	0.00134	0.00068	0.00014	0.00001	0.00000	0.00000	0.00000	0.00251
SOUTH	0.00031	0.00185	0.00160	0.00049	0.00007	0.00002	0.00000	0.00000	0.00434
SOUTH-SOUTHWEST	0.00032	0.00206	0.00309	0.00164	0.00031	0.00004	0.00003	0.00000	0.00749
SOUTHWEST	0.00043	0.00260	0.00214	0.00123	0.00036	0.00019	0.00005	0.00000	0.00701
WEST-SOUTHWEST	0.00033	0.00215	0.00129	0.00093	0.00037	0.00018	0.00000	0.00000	0.00525
WEST	0.00032	0.00185	0.00092	0.00068	0.00033	0.00005	0.00000	0.00001	0.00415
WEST-NORTHWEST	0.00031	0.00183	0.00097	0.00048	0.00022	0.00006	0.00001	0.00001	0.00387
NORTHWEST	0.00036	0.00197	0.00126	0.00035	0.00030	0.00010	0.00002	0.00000	0.00435
NORTH-NORTHWEST	0.00022	0.00165	0.00139	0.00041	0.00001	0.00001	0.00000	0.00000	0.00370
TOTAL:	0.00498	0.02509	0.01649	0.00713	0.00205	0.00068	0.00011	0.00002	0.05653

TABLE 6.9. Continued

STATION: 12 WYE BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS C: 3427.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66481.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00032	0.00112	0.00080	0.00019	0.00001	0.00000	0.00000	0.00000	0.00244
NORTH-NORTHEAST	0.00027	0.00103	0.00048	0.00025	0.00006	0.00001	0.00000	0.00000	0.00211
NORTHEAST	0.00027	0.00087	0.00028	0.00005	0.00000	0.00002	0.00000	0.00000	0.00150
EAST-NORTHEAST	0.00030	0.00056	0.00017	0.00005	0.00000	0.00000	0.00000	0.00000	0.00108
EAST	0.00024	0.00065	0.00019	0.00001	0.00000	0.00000	0.00000	0.00000	0.00109
EAST-SOUTHEAST	0.00029	0.00079	0.00016	0.00004	0.00000	0.00000	0.00000	0.00000	0.00129
SOUTHEAST	0.00032	0.00100	0.00034	0.00002	0.00000	0.00000	0.00000	0.00000	0.00168
SOUTH-SOUTHEAST	0.00025	0.00150	0.00075	0.00012	0.00000	0.00000	0.00000	0.00000	0.00262
SOUTH	0.00031	0.00154	0.00130	0.00052	0.00006	0.00000	0.00000	0.00000	0.00373
SOUTH-SOUTHWEST	0.00041	0.00154	0.00173	0.00148	0.00018	0.00002	0.00000	0.00000	0.00536
SOUTHWEST	0.00046	0.00208	0.00167	0.00096	0.00046	0.00022	0.00003	0.00002	0.00589
WEST-SOUTHWEST	0.00039	0.00211	0.00129	0.00066	0.00041	0.00008	0.00000	0.00000	0.00493
WEST	0.00030	0.00234	0.00125	0.00063	0.00017	0.00005	0.00000	0.00000	0.00474
WEST-NORTHWEST	0.00043	0.00208	0.00162	0.00061	0.00025	0.00001	0.00000	0.00000	0.00499
NORTHWEST	0.00014	0.00174	0.00196	0.00045	0.00039	0.00017	0.00000	0.00000	0.00485
NORTH-NORTHWEST	0.00027	0.00130	0.00123	0.00039	0.00007	0.00001	0.00000	0.00000	0.00327
TOTAL:	0.00496	0.02225	0.01522	0.00644	0.00206	0.00057	0.00003	0.00002	0.05155

STATION: 12 WYE BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS D: 20738.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66481.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00160	0.00602	0.00377	0.00115	0.00016	0.00006	0.00000	0.00000	0.01275
NORTH-NORTHEAST	0.00133	0.00455	0.00214	0.00077	0.00028	0.00009	0.00000	0.00000	0.00916
NORTHEAST	0.00110	0.00379	0.00136	0.00047	0.00003	0.00003	0.00002	0.00000	0.00680
EAST-NORTHEAST	0.00137	0.00338	0.00083	0.00009	0.00005	0.00006	0.00000	0.00000	0.00577
EAST	0.00140	0.00371	0.00075	0.00004	0.00001	0.00000	0.00000	0.00000	0.00591
EAST-SOUTHEAST	0.00175	0.00446	0.00105	0.00014	0.00000	0.00000	0.00000	0.00000	0.00739
SOUTHEAST	0.00181	0.00544	0.00223	0.00024	0.00000	0.00000	0.00000	0.00000	0.00972
SOUTH-SOUTHEAST	0.00177	0.00722	0.00440	0.00123	0.00010	0.00000	0.00000	0.00000	0.01472
SOUTH	0.00166	0.00869	0.00773	0.00363	0.00033	0.00002	0.00000	0.00000	0.02207
SOUTH-SOUTHWEST	0.00207	0.00846	0.01037	0.00735	0.00215	0.00058	0.00007	0.00000	0.03105
SOUTHWEST	0.00255	0.00889	0.00832	0.00616	0.00441	0.00225	0.00025	0.00003	0.03285
WEST-SOUTHWEST	0.00235	0.01012	0.00679	0.00427	0.00245	0.00095	0.00009	0.00000	0.02703
WEST	0.00191	0.01116	0.01106	0.00586	0.00115	0.00035	0.00006	0.00000	0.03154
WEST-NORTHWEST	0.00191	0.01101	0.01808	0.01218	0.00357	0.00067	0.00002	0.00000	0.04745
NORTHWEST	0.00163	0.00782	0.01029	0.00659	0.00341	0.00147	0.00002	0.00000	0.03124
NORTH-NORTHWEST	0.00184	0.00687	0.00527	0.00207	0.00040	0.00002	0.00000	0.00000	0.01648
TOTAL:	0.02805	0.11158	0.09443	0.05226	0.01850	0.00656	0.00053	0.00003	0.31194

TABLE 6.9. Continued

STATION: 12 WYE BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS E: 15668.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66481.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00091	0.00383	0.00155	0.00058	0.00007	0.00000	0.00000	0.00000	0.00693
NORTH-NORTHEAST	0.00085	0.00217	0.00055	0.00067	0.00046	0.00008	0.00000	0.00000	0.00479
NORTHEAST	0.00079	0.00178	0.00047	0.00017	0.00012	0.00013	0.00008	0.00000	0.00353
EAST-NORTHEAST	0.00093	0.00217	0.00044	0.00011	0.00001	0.00000	0.00000	0.00000	0.00364
EAST	0.00131	0.00339	0.00074	0.00003	0.00002	0.00000	0.00000	0.00000	0.00550
EAST-SOUTHEAST	0.00153	0.00417	0.00064	0.00007	0.00000	0.00000	0.00000	0.00000	0.00641
SOUTHEAST	0.00152	0.00493	0.00198	0.00021	0.00000	0.00000	0.00000	0.00000	0.00865
SOUTH-SOUTHEAST	0.00181	0.00703	0.00460	0.00089	0.00010	0.00000	0.00000	0.00000	0.01444
SOUTH	0.00168	0.00885	0.00772	0.00237	0.00015	0.00002	0.00000	0.00000	0.02079
SOUTH-SOUTHWEST	0.00167	0.00800	0.00959	0.00353	0.00133	0.00032	0.00007	0.00000	0.02451
SOUTHWEST	0.00206	0.00756	0.00719	0.00262	0.00151	0.00060	0.00007	0.00000	0.02161
WEST-SOUTHWEST	0.00159	0.00744	0.00612	0.00198	0.00080	0.00009	0.00000	0.00000	0.01802
WEST	0.00140	0.00787	0.00935	0.00361	0.00031	0.00001	0.00000	0.00000	0.02255
WEST-NORTHWEST	0.00152	0.00834	0.01648	0.00724	0.00115	0.00009	0.00000	0.00000	0.03482
NORTHWEST	0.00170	0.00867	0.01078	0.00385	0.00091	0.00015	0.00000	0.00000	0.02606
NORTH-NORTHWEST	0.00146	0.00675	0.00438	0.00075	0.00009	0.00000	0.00000	0.00000	0.01342
TOTAL:	0.02274	0.09294	0.08258	0.02868	0.00702	0.00149	0.00021	0.00000	0.23568

STATION: 12 WYE BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS F: 9578.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66481.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00075	0.00286	0.00103	0.00015	0.00002	0.00000	0.00000	0.00000	0.00481
NORTH-NORTHEAST	0.00071	0.00197	0.00053	0.00006	0.00001	0.00000	0.00000	0.00000	0.00328
NORTHEAST	0.00078	0.00147	0.00019	0.00006	0.00002	0.00000	0.00000	0.00000	0.00253
EAST-NORTHEAST	0.00081	0.00221	0.00027	0.00000	0.00001	0.00000	0.00000	0.00000	0.00330
EAST	0.00086	0.00429	0.00077	0.00000	0.00000	0.00000	0.00000	0.00000	0.00593
EAST-SOUTHEAST	0.00133	0.00465	0.00048	0.00002	0.00000	0.00000	0.00000	0.00000	0.00647
SOUTHEAST	0.00127	0.00410	0.00125	0.00006	0.00000	0.00000	0.00000	0.00000	0.00670
SOUTH-SOUTHEAST	0.00157	0.00555	0.00337	0.00045	0.00005	0.00000	0.00000	0.00000	0.01099
SOUTH	0.00131	0.00736	0.00528	0.00102	0.00011	0.00002	0.00000	0.00000	0.01509
SOUTH-SOUTHWEST	0.00135	0.00669	0.00601	0.00128	0.00027	0.00006	0.00001	0.00000	0.01567
SOUTHWEST	0.00136	0.00580	0.00403	0.00046	0.00012	0.00000	0.00000	0.00000	0.01177
WEST-SOUTHWEST	0.00144	0.00512	0.00293	0.00029	0.00002	0.00000	0.00000	0.00000	0.00978
WEST	0.00091	0.00511	0.00422	0.00062	0.00000	0.00000	0.00000	0.00000	0.01086
WEST-NORTHWEST	0.00093	0.00557	0.00774	0.00121	0.00002	0.00000	0.00000	0.00000	0.01546
NORTHWEST	0.00099	0.00569	0.00614	0.00034	0.00003	0.00000	0.00000	0.00000	0.01319
NORTH-NORTHWEST	0.00076	0.00440	0.00290	0.00016	0.00002	0.00000	0.00000	0.00000	0.00823
TOTAL:	0.01713	0.07282	0.04716	0.00618	0.00069	0.00008	0.00002	0.00000	0.14407

TABLE 6.9. Continued

STATION: 12 WYE BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS G: 4098.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66481.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00035	0.00172	0.00044	0.00005	0.00000	0.00000	0.00000	0.00000	0.00256
NORTH-NORTHEAST	0.00037	0.00115	0.00013	0.00003	0.00000	0.00000	0.00000	0.00000	0.00169
NORTHEAST	0.00044	0.00108	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00152
EAST-NORTHEAST	0.00047	0.00110	0.00007	0.00000	0.00000	0.00000	0.00000	0.00000	0.00165
EAST	0.00043	0.00234	0.00049	0.00000	0.00000	0.00000	0.00000	0.00000	0.00325
EAST-SOUTHEAST	0.00054	0.00266	0.00033	0.00000	0.00000	0.00000	0.00000	0.00000	0.00353
SOUTHEAST	0.00057	0.00196	0.00049	0.00005	0.00000	0.00000	0.00000	0.00000	0.00307
SOUTH-SOUTHEAST	0.00053	0.00262	0.00154	0.00024	0.00002	0.00002	0.00000	0.00000	0.00496
SOUTH	0.00052	0.00325	0.00220	0.00053	0.00006	0.00002	0.00000	0.00000	0.00659
SOUTH-SOUTHWEST	0.00064	0.00264	0.00214	0.00055	0.00009	0.00001	0.00000	0.00000	0.00607
SOUTHWEST	0.00068	0.00212	0.00149	0.00009	0.00001	0.00000	0.00000	0.00000	0.00440
WEST-SOUTHWEST	0.00063	0.00184	0.00092	0.00004	0.00000	0.00000	0.00000	0.00000	0.00342
WEST	0.00041	0.00162	0.00137	0.00017	0.00000	0.00000	0.00000	0.00000	0.00357
WEST-NORTHWEST	0.00027	0.00170	0.00325	0.00038	0.00000	0.00000	0.00000	0.00000	0.00560
NORTHWEST	0.00049	0.00250	0.00302	0.00004	0.00000	0.00000	0.00000	0.00000	0.00605
NORTH-NORTHWEST	0.00032	0.00218	0.00117	0.00003	0.00000	0.00000	0.00000	0.00000	0.00370
TOTAL:	0.00764	0.03251	0.01906	0.00223	0.00017	0.00005	0.00000	0.00000	0.06164

TABLE 6.10. Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the 100-N Area Station

STATION: 13 100 - N AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS A: 9126.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66579.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00099	0.00563	0.00138	0.00039	0.00006	0.00000	0.00000	0.00000	0.00845
NORTH-NORTHEAST	0.00081	0.00459	0.00301	0.00078	0.00031	0.00000	0.00000	0.00000	0.00949
NORTHEAST	0.00060	0.00357	0.00174	0.00073	0.00019	0.00003	0.00000	0.00000	0.00687
EAST-NORTHEAST	0.00084	0.00219	0.00052	0.00027	0.00003	0.00000	0.00000	0.00000	0.00384
EAST	0.00086	0.00338	0.00083	0.00008	0.00001	0.00000	0.00000	0.00000	0.00516
EAST-SOUTHEAST	0.00094	0.00383	0.00133	0.00016	0.00001	0.00000	0.00000	0.00000	0.00626
SOUTHEAST	0.00073	0.00310	0.00170	0.00045	0.00003	0.00000	0.00000	0.00000	0.00601
SOUTH-SOUTHEAST	0.00067	0.00213	0.00075	0.00022	0.00004	0.00000	0.00000	0.00000	0.00381
SOUTH	0.00071	0.00157	0.00050	0.00019	0.00002	0.00000	0.00000	0.00000	0.00299
SOUTH-SOUTHWEST	0.00063	0.00203	0.00115	0.00051	0.00013	0.00000	0.00000	0.00000	0.00444
SOUTHWEST	0.00068	0.00386	0.00282	0.00204	0.00059	0.00023	0.00000	0.00000	0.01022
WEST-SOUTHWEST	0.00080	0.00588	0.00374	0.00154	0.00050	0.00007	0.00001	0.00000	0.01254
WEST	0.00108	0.00655	0.00423	0.00222	0.00077	0.00011	0.00000	0.00000	0.01496
WEST-NORTHWEST	0.00139	0.00695	0.00419	0.00350	0.00185	0.00046	0.00000	0.00000	0.01834
NORTHWEST	0.00130	0.00710	0.00221	0.00204	0.00105	0.00029	0.00002	0.00000	0.01401
NORTH-NORTHWEST	0.00126	0.00663	0.00126	0.00045	0.00008	0.00000	0.00000	0.00000	0.00968
TOTAL:	0.01428	0.06899	0.03136	0.01555	0.00566	0.00120	0.00003	0.00000	0.13707

STATION: 13 100 - N AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS B: 3731.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66579.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00038	0.00169	0.00043	0.00015	0.00002	0.00000	0.00000	0.00000	0.00268
NORTH-NORTHEAST	0.00034	0.00161	0.00081	0.00028	0.00012	0.00000	0.00000	0.00000	0.00317
NORTHEAST	0.00039	0.00118	0.00063	0.00031	0.00005	0.00000	0.00000	0.00000	0.00256
EAST-NORTHEAST	0.00041	0.00104	0.00039	0.00003	0.00001	0.00001	0.00000	0.00000	0.00188
EAST	0.00061	0.00161	0.00037	0.00003	0.00002	0.00000	0.00000	0.00000	0.00263
EAST-SOUTHEAST	0.00082	0.00203	0.00051	0.00009	0.00000	0.00000	0.00000	0.00000	0.00344
SOUTHEAST	0.00072	0.00189	0.00060	0.00013	0.00002	0.00000	0.00000	0.00000	0.00336
SOUTH-SOUTHEAST	0.00066	0.00137	0.00042	0.00016	0.00003	0.00000	0.00000	0.00000	0.00264
SOUTH	0.00052	0.00093	0.00038	0.00008	0.00003	0.00002	0.00000	0.00000	0.00196
SOUTH-SOUTHWEST	0.00042	0.00099	0.00023	0.00013	0.00006	0.00002	0.00000	0.00000	0.00184
SOUTHWEST	0.00062	0.00163	0.00115	0.00066	0.00033	0.00005	0.00000	0.00000	0.00443
WEST-SOUTHWEST	0.00069	0.00289	0.00145	0.00040	0.00011	0.00006	0.00000	0.00000	0.00559
WEST	0.00075	0.00271	0.00116	0.00071	0.00023	0.00003	0.00000	0.00000	0.00559
WEST-NORTHWEST	0.00088	0.00282	0.00108	0.00095	0.00041	0.00014	0.00000	0.00000	0.00627
NORTHWEST	0.00080	0.00262	0.00053	0.00034	0.00022	0.00008	0.00000	0.00000	0.00460
NORTH-NORTHWEST	0.00062	0.00229	0.00036	0.00011	0.00000	0.00000	0.00000	0.00000	0.00339
TOTAL:	0.00963	0.02929	0.01050	0.00455	0.00165	0.00042	0.00000	0.00000	0.05604

TABLE 6.10. Continued

STATION: 13 100 - N AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS C: 3429.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66579.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00065	0.00126	0.00043	0.00009	0.00001	0.00000	0.00000	0.00000	0.00243
NORTH-NORTHEAST	0.00045	0.00107	0.00071	0.00020	0.00005	0.00002	0.00000	0.00000	0.00249
NORTHEAST	0.00058	0.00131	0.00042	0.00027	0.00005	0.00000	0.00000	0.00000	0.00264
EAST-NORTHEAST	0.00060	0.00122	0.00024	0.00003	0.00000	0.00000	0.00000	0.00000	0.00210
EAST	0.00077	0.00158	0.00043	0.00003	0.00000	0.00000	0.00000	0.00000	0.00280
EAST-SOUTHEAST	0.00091	0.00181	0.00066	0.00007	0.00000	0.00000	0.00000	0.00000	0.00346
SOUTHEAST	0.00099	0.00169	0.00080	0.00025	0.00002	0.00000	0.00000	0.00000	0.00374
SOUTH-SOUTHEAST	0.00072	0.00121	0.00026	0.00013	0.00000	0.00000	0.00000	0.00000	0.00233
SOUTH	0.00084	0.00069	0.00028	0.00011	0.00001	0.00002	0.00000	0.00000	0.00193
SOUTH-SOUTHWEST	0.00082	0.00102	0.00035	0.00010	0.00008	0.00000	0.00002	0.00000	0.00239
SOUTHWEST	0.00085	0.00191	0.00084	0.00054	0.00017	0.00007	0.00000	0.00000	0.00437
WEST-SOUTHWEST	0.00084	0.00211	0.00107	0.00042	0.00013	0.00007	0.00000	0.00000	0.00464
WEST	0.00075	0.00200	0.00128	0.00050	0.00010	0.00003	0.00000	0.00000	0.00466
WEST-NORTHWEST	0.00113	0.00154	0.00098	0.00079	0.00051	0.00002	0.00000	0.00000	0.00497
NORTHWEST	0.00109	0.00140	0.00057	0.00041	0.00021	0.00006	0.00000	0.00000	0.00374
NORTH-NORTHWEST	0.00082	0.00149	0.00039	0.00011	0.00000	0.00000	0.00000	0.00000	0.00281
TOTAL:	0.01281	0.02331	0.00972	0.00406	0.00132	0.00027	0.00002	0.00000	0.05150

STATION: 13 100 - N AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS D: 20932.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66579.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00307	0.00572	0.00173	0.00068	0.00030	0.00002	0.00000	0.00000	0.01152
NORTH-NORTHEAST	0.00272	0.00483	0.00236	0.00136	0.00045	0.00019	0.00001	0.00000	0.01193
NORTHEAST	0.00248	0.00504	0.00193	0.00114	0.00029	0.00015	0.00000	0.00000	0.01102
EAST-NORTHEAST	0.00323	0.00625	0.00118	0.00030	0.00014	0.00007	0.00000	0.00000	0.01117
EAST	0.00452	0.00922	0.00127	0.00013	0.00001	0.00000	0.00000	0.00000	0.01516
EAST-SOUTHEAST	0.00582	0.01240	0.00274	0.00034	0.00001	0.00000	0.00000	0.00000	0.02132
SOUTHEAST	0.00561	0.00970	0.00366	0.00078	0.00008	0.00000	0.00000	0.00000	0.01983
SOUTH-SOUTHEAST	0.00466	0.00596	0.00207	0.00073	0.00011	0.00000	0.00000	0.00000	0.01352
SOUTH	0.00431	0.00532	0.00121	0.00056	0.00009	0.00007	0.00000	0.00000	0.01157
SOUTH-SOUTHWEST	0.00511	0.00584	0.00289	0.00159	0.00102	0.00026	0.00003	0.00000	0.01675
SOUTHWEST	0.00533	0.00989	0.00560	0.00415	0.00183	0.00035	0.00000	0.00000	0.02715
WEST-SOUTHWEST	0.00445	0.01645	0.01100	0.00367	0.00118	0.00016	0.00000	0.00000	0.03690
WEST	0.00421	0.01381	0.01273	0.00661	0.00116	0.00021	0.00000	0.00000	0.03874
WEST-NORTHWEST	0.00425	0.01052	0.00848	0.00765	0.00346	0.00097	0.00000	0.00000	0.03532
NORTHWEST	0.00448	0.00831	0.00243	0.00229	0.00144	0.00023	0.00000	0.00000	0.01919
NORTH-NORTHWEST	0.00376	0.00656	0.00198	0.00072	0.00016	0.00011	0.00002	0.00000	0.01331
TOTAL:	0.06802	0.13582	0.06328	0.03268	0.01173	0.00279	0.00006	0.00000	0.31439

TABLE 6.10. Continued

STATION: 13 100 - N AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS E: 15747.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66579.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00281	0.00338	0.00113	0.00043	0.00033	0.00007	0.00000	0.00000	0.00815
NORTH-NORTHEAST	0.00231	0.00331	0.00122	0.00079	0.00023	0.00015	0.00000	0.00000	0.00801
NORTHEAST	0.00214	0.00475	0.00074	0.00046	0.00043	0.00050	0.00003	0.00000	0.00905
EAST-NORTHEAST	0.00283	0.00648	0.00099	0.00021	0.00008	0.00005	0.00000	0.00000	0.01064
EAST	0.00385	0.00833	0.00116	0.00007	0.00002	0.00000	0.00000	0.00000	0.01343
EAST-SOUTHEAST	0.00390	0.00866	0.00152	0.00013	0.00002	0.00000	0.00000	0.00000	0.01422
SOUTHEAST	0.00332	0.00628	0.00271	0.00038	0.00002	0.00000	0.00000	0.00000	0.01272
SOUTH-SOUTHEAST	0.00291	0.00427	0.00152	0.00037	0.00004	0.00003	0.00000	0.00000	0.00913
SOUTH	0.00295	0.00343	0.00110	0.00022	0.00005	0.00003	0.00000	0.00000	0.00779
SOUTH-SOUTHWEST	0.00356	0.00342	0.00156	0.00069	0.00022	0.00008	0.00000	0.00000	0.00953
SOUTHWEST	0.00394	0.00800	0.00336	0.00144	0.00048	0.00007	0.00002	0.00000	0.01730
WEST-SOUTHWEST	0.00439	0.01469	0.00989	0.00205	0.00033	0.00004	0.00000	0.00000	0.03139
WEST	0.00376	0.01363	0.01192	0.00492	0.00057	0.00003	0.00000	0.00000	0.03483
WEST-NORTHWEST	0.00427	0.00994	0.00721	0.00471	0.00149	0.00017	0.00001	0.00000	0.02779
NORTHWEST	0.00352	0.00612	0.00197	0.00104	0.00046	0.00017	0.00000	0.00000	0.01327
NORTH-NORTHWEST	0.00338	0.00431	0.00107	0.00036	0.00011	0.00002	0.00001	0.00000	0.00926
TOTAL:	0.05385	0.10900	0.04907	0.01826	0.00487	0.00140	0.00008	0.00000	0.23652

STATION: 13 100 - N AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS F: 9529.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66579.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00273	0.00222	0.00074	0.00015	0.00002	0.00000	0.00000	0.00000	0.00584
NORTH-NORTHEAST	0.00226	0.00201	0.00072	0.00044	0.00016	0.00000	0.00000	0.00000	0.00560
NORTHEAST	0.00241	0.00339	0.00062	0.00018	0.00001	0.00000	0.00000	0.00000	0.00661
EAST-NORTHEAST	0.00249	0.00592	0.00099	0.00007	0.00000	0.00000	0.00000	0.00000	0.00945
EAST	0.00333	0.00765	0.00095	0.00007	0.00000	0.00000	0.00000	0.00000	0.01199
EAST-SOUTHEAST	0.00312	0.00548	0.00088	0.00010	0.00000	0.00000	0.00000	0.00000	0.00958
SOUTHEAST	0.00255	0.00382	0.00095	0.00004	0.00000	0.00000	0.00000	0.00000	0.00736
SOUTH-SOUTHEAST	0.00187	0.00222	0.00052	0.00007	0.00002	0.00000	0.00000	0.00000	0.00469
SOUTH	0.00178	0.00164	0.00019	0.00004	0.00000	0.00000	0.00000	0.00000	0.00365
SOUTH-SOUTHWEST	0.00246	0.00222	0.00041	0.00001	0.00003	0.00000	0.00000	0.00000	0.00512
SOUTHWEST	0.00302	0.00444	0.00103	0.00015	0.00003	0.00000	0.00000	0.00000	0.00866
WEST-SOUTHWEST	0.00480	0.00890	0.00349	0.00050	0.00004	0.00000	0.00000	0.00000	0.01772
WEST	0.00394	0.00888	0.00264	0.00045	0.00005	0.00000	0.00000	0.00000	0.01597
WEST-NORTHWEST	0.00453	0.00684	0.00187	0.00034	0.00012	0.00000	0.00000	0.00000	0.01370
NORTHWEST	0.00400	0.00438	0.00063	0.00012	0.00005	0.00000	0.00000	0.00000	0.00917
NORTH-NORTHWEST	0.00408	0.00299	0.00068	0.00023	0.00001	0.00000	0.00000	0.00000	0.00799
TOTAL:	0.04935	0.07300	0.01730	0.00294	0.00053	0.00000	0.00000	0.00000	0.14312

TABLE 6.10. Continued

STATION: 13 100 - N AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS G: 4085.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66579.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00129	0.00081	0.00013	0.00002	0.00000	0.00000	0.00000	0.00000	0.00225
NORTH-NORTHEAST	0.00117	0.00100	0.00015	0.00008	0.00002	0.00000	0.00000	0.00000	0.00242
NORTHEAST	0.00104	0.00169	0.00016	0.00000	0.00000	0.00000	0.00000	0.00000	0.00290
EAST-NORTHEAST	0.00114	0.00283	0.00040	0.00002	0.00000	0.00000	0.00000	0.00000	0.00439
EAST	0.00126	0.00278	0.00052	0.00004	0.00000	0.00000	0.00000	0.00000	0.00460
EAST-SOUTHEAST	0.00115	0.00213	0.00031	0.00006	0.00000	0.00000	0.00000	0.00000	0.00365
SOUTHEAST	0.00076	0.00132	0.00014	0.00000	0.00000	0.00000	0.00000	0.00000	0.00222
SOUTH-SOUTHEAST	0.00069	0.00085	0.00007	0.00001	0.00000	0.00000	0.00000	0.00000	0.00162
SOUTH	0.00084	0.00056	0.00006	0.00002	0.00000	0.00000	0.00000	0.00000	0.00149
SOUTH-SOUTHWEST	0.00099	0.00087	0.00011	0.00001	0.00000	0.00000	0.00000	0.00000	0.00198
SOUTHWEST	0.00168	0.00182	0.00041	0.00001	0.00000	0.00000	0.00000	0.00000	0.00393
WEST-SOUTHWEST	0.00238	0.00403	0.00098	0.00016	0.00000	0.00000	0.00000	0.00000	0.00754
WEST	0.00251	0.00483	0.00084	0.00011	0.00002	0.00000	0.00000	0.00000	0.00831
WEST-NORTHWEST	0.00270	0.00321	0.00038	0.00009	0.00000	0.00000	0.00000	0.00000	0.00638
NORTHWEST	0.00236	0.00175	0.00017	0.00002	0.00000	0.00000	0.00000	0.00000	0.00430
NORTH-NORTHWEST	0.00217	0.00108	0.00011	0.00001	0.00000	0.00000	0.00000	0.00000	0.00337
TOTAL:	0.02414	0.03157	0.00494	0.00068	0.00003	0.00000	0.00000	0.00000	0.06136

TABLE 6.11. Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the WNP-2 Facility Station

STATION: 14 WNP - 2 FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS A: 9351.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 67045.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00109	0.00585	0.00373	0.00079	0.00010	0.00000	0.00000	0.00000	0.01156
NORTH-NORTHEAST	0.00098	0.00526	0.00279	0.00042	0.00012	0.00000	0.00000	0.00000	0.00956
NORTHEAST	0.00142	0.00392	0.00128	0.00032	0.00007	0.00001	0.00000	0.00000	0.00703
EAST-NORTHEAST	0.00124	0.00308	0.00066	0.00006	0.00000	0.00000	0.00000	0.00000	0.00504
EAST	0.00150	0.00303	0.00049	0.00002	0.00000	0.00000	0.00000	0.00000	0.00504
EAST-SOUTHEAST	0.00132	0.00384	0.00092	0.00001	0.00000	0.00000	0.00000	0.00000	0.00610
SOUTHEAST	0.00117	0.00422	0.00120	0.00008	0.00002	0.00001	0.00000	0.00000	0.00671
SOUTH-SOUTHEAST	0.00105	0.00506	0.00201	0.00329	0.00002	0.00000	0.00000	0.00000	0.00843
SOUTH	0.00107	0.00566	0.00436	0.00095	0.00007	0.00000	0.00000	0.00000	0.01211
SOUTH-SOUTHWEST	0.00073	0.00520	0.00616	0.00405	0.00077	0.00008	0.00000	0.00000	0.01698
SOUTHWEST	0.00053	0.00348	0.00368	0.00278	0.00103	0.00026	0.00007	0.00000	0.01183
WEST-SOUTHWEST	0.00051	0.00231	0.00258	0.00170	0.00083	0.00028	0.00003	0.00000	0.00824
WEST	0.00062	0.00194	0.00213	0.00159	0.00074	0.00020	0.00003	0.00000	0.00725
WEST-NORTHWEST	0.00051	0.00207	0.00201	0.00114	0.00035	0.00005	0.00001	0.00000	0.00615
NORTHWEST	0.00095	0.00262	0.00221	0.00187	0.00090	0.00012	0.00004	0.00000	0.00872
NORTH-NORTHWEST	0.00120	0.00432	0.00228	0.00070	0.00022	0.00001	0.00000	0.00000	0.00873
TOTAL:	0.01590	0.06187	0.03848	0.01676	0.00524	0.00104	0.00018	0.00000	0.13947

STATION: 14 WNP - 2 FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS B: 3814.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 67045.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00058	0.00223	0.00153	0.00029	0.00003	0.00000	0.00000	0.00000	0.00466
NORTH-NORTHEAST	0.00061	0.00237	0.00084	0.00021	0.00006	0.00000	0.00000	0.00000	0.00409
NORTHEAST	0.00074	0.00177	0.00022	0.00013	0.00002	0.00000	0.00000	0.00000	0.00288
EAST-NORTHEAST	0.00066	0.00150	0.00016	0.00003	0.00000	0.00000	0.00000	0.00000	0.00234
EAST	0.00061	0.00117	0.00011	0.00000	0.00000	0.00000	0.00000	0.00000	0.00189
EAST-SOUTHEAST	0.00101	0.00160	0.00040	0.00000	0.00000	0.00000	0.00000	0.00000	0.00302
SOUTHEAST	0.00079	0.00169	0.00052	0.00002	0.00000	0.00000	0.00000	0.00000	0.00302
SOUTH-SOUTHEAST	0.00054	0.00238	0.00062	0.00011	0.00001	0.00000	0.00000	0.00000	0.00365
SOUTH	0.00071	0.00316	0.00232	0.00036	0.00002	0.00000	0.00000	0.00000	0.00657
SOUTH-SOUTHWEST	0.00056	0.00175	0.00305	0.00114	0.00014	0.00003	0.00003	0.00000	0.00669
SOUTHWEST	0.00049	0.00105	0.00141	0.00070	0.00041	0.00013	0.00002	0.00000	0.00421
WEST-SOUTHWEST	0.00032	0.00077	0.00063	0.00051	0.00023	0.00013	0.00000	0.00000	0.00259
WEST	0.00029	0.00081	0.00046	0.00033	0.00017	0.00002	0.00001	0.00000	0.00210
WEST-NORTHWEST	0.00041	0.00074	0.00049	0.00039	0.00011	0.00005	0.00000	0.00000	0.00219
NORTHWEST	0.00051	0.00128	0.00084	0.00040	0.00021	0.00005	0.00003	0.00000	0.00331
NORTH-NORTHWEST	0.00053	0.00204	0.00081	0.00030	0.00000	0.00000	0.00000	0.00000	0.00368
TOTAL:	0.00935	0.02633	0.01441	0.00491	0.00140	0.00040	0.00009	0.00000	0.05689

TABLE 6.11. Continued

STATION: 14 WNP - 2 FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS C: 3451.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 67045.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00072	0.00193	0.00121	0.00018	0.00002	0.00000	0.00000	0.00000	0.00406
NORTH-NORTHEAST	0.00073	0.00163	0.00064	0.00013	0.00002	0.00000	0.00000	0.00000	0.00315
NORTHEAST	0.00047	0.00121	0.00040	0.00004	0.00003	0.00000	0.00000	0.00000	0.00215
EAST-NORTHEAST	0.00065	0.00090	0.00009	0.00001	0.00000	0.00000	0.00000	0.00000	0.00166
EAST	0.00073	0.00071	0.00006	0.00000	0.00000	0.00000	0.00000	0.00000	0.00150
EAST-SOUTHEAST	0.00062	0.00108	0.00023	0.00004	0.00000	0.00000	0.00000	0.00000	0.00197
SOUTHEAST	0.00092	0.00130	0.00050	0.00004	0.00000	0.00000	0.00000	0.00000	0.00276
SOUTH-SOUTHEAST	0.00086	0.00242	0.00103	0.00005	0.00000	0.00000	0.00000	0.00000	0.00435
SOUTH	0.00074	0.00232	0.00175	0.00030	0.00003	0.00000	0.00000	0.00000	0.00513
SOUTH-SOUTHWEST	0.00063	0.00160	0.00210	0.00117	0.00012	0.00003	0.00003	0.00000	0.00567
SOUTHWEST	0.00041	0.00098	0.00101	0.00073	0.00035	0.00013	0.00002	0.00000	0.00362
WEST-SOUTHWEST	0.00043	0.00058	0.00061	0.00041	0.00015	0.00005	0.00000	0.00000	0.00222
WEST	0.00054	0.00078	0.00055	0.00032	0.00010	0.00002	0.00000	0.00000	0.00232
WEST-NORTHWEST	0.00057	0.00091	0.00064	0.00032	0.00008	0.00001	0.00000	0.00000	0.00253
NORTHWEST	0.00068	0.00158	0.00076	0.00047	0.00032	0.00005	0.00000	0.00000	0.00386
NORTH-NORTHWEST	0.00078	0.00248	0.00096	0.00021	0.00008	0.00001	0.00001	0.00000	0.00453
TOTAL:	0.01049	0.02239	0.01253	0.00441	0.00130	0.00030	0.00006	0.00000	0.05147

STATION: 14 WNP - 2 FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS D: 20911.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 67045.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00298	0.00922	0.00471	0.00120	0.00012	0.00004	0.00000	0.00000	0.01826
NORTH-NORTHEAST	0.00277	0.00621	0.00291	0.00062	0.00021	0.00008	0.00001	0.00000	0.01281
NORTHEAST	0.00227	0.00547	0.00140	0.00032	0.00006	0.00002	0.00000	0.00000	0.00954
EAST-NORTHEAST	0.00191	0.00431	0.00072	0.00009	0.00011	0.00000	0.00000	0.00000	0.00713
EAST	0.00197	0.00209	0.00024	0.00002	0.00001	0.00000	0.00000	0.00000	0.00433
EAST-SOUTHEAST	0.00204	0.00331	0.00066	0.00008	0.00000	0.00000	0.00000	0.00000	0.00610
SOUTHEAST	0.00290	0.00548	0.00229	0.00029	0.00002	0.00000	0.00000	0.00000	0.01098
SOUTH-SOUTHEAST	0.00347	0.01307	0.00617	0.00095	0.00001	0.00000	0.00000	0.00000	0.02368
SOUTH	0.00399	0.01550	0.01086	0.00279	0.00017	0.00001	0.00000	0.00000	0.03331
SOUTH-SOUTHWEST	0.00472	0.01016	0.01017	0.00754	0.00201	0.00056	0.00005	0.00000	0.03521
SOUTHWEST	0.00428	0.00591	0.00593	0.00503	0.00290	0.00087	0.00007	0.00000	0.02501
WEST-SOUTHWEST	0.00381	0.00479	0.00312	0.00243	0.00127	0.00035	0.00001	0.00000	0.01577
WEST	0.00397	0.00544	0.00395	0.00178	0.00060	0.00007	0.00001	0.00000	0.01582
WEST-NORTHWEST	0.00491	0.00977	0.00844	0.00435	0.00093	0.00013	0.00000	0.00000	0.02854
NORTHWEST	0.00524	0.01446	0.00972	0.00580	0.00338	0.00041	0.00000	0.00000	0.03901
NORTH-NORTHWEST	0.00458	0.01348	0.00628	0.00175	0.00030	0.00001	0.00000	0.00000	0.02640
TOTAL:	0.05583	0.12866	0.07756	0.03504	0.01211	0.00255	0.00015	0.00000	0.31189

TABLE 6.11. Continued

STATION: 14 WNP - 2 FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS E: 15790.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 67045.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00282	0.00771	0.00177	0.00064	0.00009	0.00000	0.00000	0.00000	0.01303
NORTH-NORTHEAST	0.00234	0.00486	0.00087	0.00051	0.00032	0.00005	0.00000	0.00000	0.00894
NORTHEAST	0.00191	0.00428	0.00081	0.00022	0.00008	0.00010	0.00000	0.00000	0.00740
EAST-NORTHEAST	0.00173	0.00213	0.00060	0.00002	0.00001	0.00000	0.00000	0.00000	0.00449
EAST	0.00124	0.00110	0.00014	0.00003	0.00001	0.00000	0.00000	0.00000	0.00252
EAST-SOUTHEAST	0.00148	0.00153	0.00027	0.00002	0.00000	0.00000	0.00000	0.00000	0.00329
SOUTHEAST	0.00186	0.00425	0.00155	0.00013	0.00000	0.00000	0.00000	0.00000	0.00780
SOUTH-SOUTHEAST	0.00294	0.01149	0.00566	0.00049	0.00002	0.00000	0.00000	0.00000	0.02060
SOUTH	0.00386	0.01474	0.00825	0.00178	0.00013	0.00000	0.00000	0.00000	0.02876
SOUTH-SOUTHWEST	0.00428	0.01007	0.00610	0.00351	0.00098	0.00022	0.00004	0.00000	0.02520
SOUTHWEST	0.00434	0.00594	0.00348	0.00315	0.00142	0.00042	0.00001	0.00000	0.01875
WEST-SOUTHWEST	0.00365	0.00486	0.00221	0.00099	0.00026	0.00000	0.00000	0.00000	0.01197
WEST	0.00386	0.00516	0.00281	0.00073	0.00008	0.00000	0.00000	0.00000	0.01263
WEST-NORTHWEST	0.00412	0.00758	0.00659	0.00261	0.00037	0.00001	0.00000	0.00000	0.02129
NORTHWEST	0.00447	0.01204	0.00732	0.00292	0.00063	0.00008	0.00000	0.00000	0.02745
NORTH-NORTHWEST	0.00418	0.01170	0.00452	0.00090	0.00008	0.00000	0.00000	0.00000	0.02138
TOTAL:	0.04907	0.10945	0.05295	0.01863	0.00449	0.00088	0.00004	0.00000	0.23551

STATION: 14 WNP - 2 FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS F: 9608.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 67045.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00315	0.00695	0.00090	0.00008	0.00000	0.00000	0.00000	0.00000	0.01107
NORTH-NORTHEAST	0.00274	0.00495	0.00033	0.00007	0.00000	0.00000	0.00000	0.00000	0.00809
NORTHEAST	0.00257	0.00439	0.00060	0.00002	0.00000	0.00000	0.00000	0.00000	0.00758
EAST-NORTHEAST	0.00213	0.00262	0.00034	0.00001	0.00000	0.00000	0.00000	0.00000	0.00510
EAST	0.00141	0.00045	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000	0.00190
EAST-SOUTHEAST	0.00144	0.00073	0.00009	0.00001	0.00000	0.00000	0.00000	0.00000	0.00227
SOUTHEAST	0.00169	0.00273	0.00058	0.00002	0.00000	0.00000	0.00000	0.00000	0.00501
SOUTH-SOUTHEAST	0.00239	0.00742	0.00325	0.00023	0.00000	0.00000	0.00000	0.00000	0.01329
SOUTH	0.00339	0.01007	0.00542	0.00080	0.00014	0.00000	0.00000	0.00000	0.01981
SOUTH-SOUTHWEST	0.00390	0.00693	0.00252	0.00088	0.00015	0.00003	0.00000	0.00000	0.01441
SOUTHWEST	0.00350	0.00275	0.00117	0.00050	0.00009	0.00000	0.00000	0.00000	0.00801
WEST-SOUTHWEST	0.00277	0.00228	0.00057	0.00012	0.00001	0.00000	0.00000	0.00000	0.00576
WEST	0.00289	0.00193	0.00046	0.00004	0.00000	0.00000	0.00000	0.00000	0.00532
WEST-NORTHWEST	0.00309	0.00364	0.00100	0.00016	0.00000	0.00000	0.00000	0.00000	0.00789
NORTHWEST	0.00379	0.00666	0.00182	0.00026	0.00000	0.00000	0.00000	0.00000	0.01253
NORTH-NORTHWEST	0.00390	0.00889	0.00220	0.00025	0.00000	0.00000	0.00000	0.00000	0.01525
TOTAL:	0.04475	0.07340	0.02128	0.00346	0.00039	0.00003	0.00000	0.00000	0.14331

TABLE 6.11. Continued

STATION: 14 WNP - 2 FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS G: 4120.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 67045.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00167	0.00437	0.00016	0.00001	0.00000	0.00000	0.00000	0.00000	0.00621
NORTH-NORTHEAST	0.00161	0.00294	0.00008	0.00001	0.00000	0.00000	0.00000	0.00000	0.00464
NORTHEAST	0.00125	0.00265	0.00017	0.00000	0.00000	0.00000	0.00000	0.00000	0.00408
EAST-NORTHEAST	0.00098	0.00102	0.00010	0.00000	0.00000	0.00000	0.00000	0.00000	0.00211
EAST	0.00071	0.00023	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00094
EAST-SOUTHEAST	0.00065	0.00029	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00095
SOUTHEAST	0.00102	0.00087	0.00019	0.00001	0.00000	0.00000	0.00000	0.00000	0.00209
SOUTH-SOUTHEAST	0.00095	0.00218	0.00150	0.00019	0.00001	0.00000	0.00000	0.00000	0.00483
SOUTH	0.00116	0.00375	0.00213	0.00044	0.00004	0.00001	0.00000	0.00000	0.00752
SOUTH-SOUTHWEST	0.00134	0.00273	0.00077	0.00038	0.00009	0.00002	0.00000	0.00000	0.00534
SOUTHWEST	0.00163	0.00144	0.00029	0.00013	0.00004	0.00000	0.00000	0.00000	0.00353
WEST-SOUTHWEST	0.00114	0.00074	0.00009	0.00002	0.00000	0.00000	0.00000	0.00000	0.00198
WEST	0.00136	0.00071	0.00007	0.00002	0.00000	0.00000	0.00000	0.00000	0.00217
WEST-NORTHWEST	0.00126	0.00100	0.00020	0.00000	0.00000	0.00000	0.00000	0.00000	0.00246
NORTHWEST	0.00189	0.00275	0.00065	0.00001	0.00000	0.00000	0.00000	0.00000	0.00531
NORTH-NORTHWEST	0.00197	0.00464	0.00068	0.00001	0.00000	0.00000	0.00000	0.00000	0.00729
TOTAL:	0.02060	0.03231	0.00710	0.00124	0.00018	0.00003	0.00000	0.00000	0.06145

TABLE 6.12. Joint Frequency Distribution of Atmospheric Stability (NRC ΔT Method), Wind Direction, and Wind Speed at the Hanford Meteorology Station

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS A: 9557.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 68238.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00118	0.00697	0.00267	0.00027	0.00007	0.00000	0.00000	0.00000	0.01116
NORTH-NORTHEAST	0.00177	0.00547	0.00221	0.00068	0.00008	0.00003	0.00000	0.00000	0.01023
NORTHEAST	0.00177	0.00445	0.00130	0.00051	0.00007	0.00000	0.00000	0.00000	0.00809
EAST-NORTHEAST	0.00152	0.00377	0.00086	0.00017	0.00008	0.00000	0.00000	0.00000	0.00639
EAST	0.00128	0.00417	0.00057	0.00002	0.00001	0.00000	0.00000	0.00000	0.00604
EAST-SOUTHEAST	0.00114	0.00462	0.00078	0.00001	0.00000	0.00000	0.00000	0.00000	0.00656
SOUTHEAST	0.00085	0.00425	0.00099	0.00012	0.00000	0.00000	0.00000	0.00000	0.00622
SOUTH-SOUTHEAST	0.00059	0.00313	0.00087	0.00018	0.00002	0.00000	0.00000	0.00000	0.00479
SOUTH	0.00048	0.00230	0.00091	0.00028	0.00003	0.00000	0.00000	0.00000	0.00400
SOUTH-SOUTHWEST	0.00051	0.00218	0.00193	0.00088	0.00025	0.00001	0.00000	0.00000	0.00576
SOUTHWEST	0.00034	0.00287	0.00382	0.00276	0.00099	0.00006	0.00000	0.00000	0.01083
WEST-SOUTHWEST	0.00035	0.00224	0.00375	0.00322	0.00113	0.00029	0.00000	0.00000	0.01099
WEST	0.00054	0.00199	0.00204	0.00156	0.00019	0.00010	0.00000	0.00000	0.00642
WEST-NORTHWEST	0.00052	0.00302	0.00319	0.00239	0.00045	0.00003	0.00000	0.00000	0.00959
NORTHWEST	0.00086	0.00605	0.00699	0.00448	0.00182	0.00011	0.00004	0.00000	0.02034
NORTH-NORTHWEST	0.00100	0.00736	0.00334	0.00085	0.00011	0.00000	0.00000	0.00000	0.01265
TOTAL:	0.01468	0.06485	0.03621	0.01838	0.00526	0.00063	0.00004	0.00000	0.14005

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS B: 3861.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 68238.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00077	0.00333	0.00080	0.00014	0.00002	0.00000	0.00000	0.00000	0.00505
NORTH-NORTHEAST	0.00093	0.00254	0.00096	0.00015	0.00005	0.00000	0.00000	0.00000	0.00462
NORTHEAST	0.00065	0.00228	0.00058	0.00015	0.00000	0.00000	0.00000	0.00000	0.00365
EAST-NORTHEAST	0.00059	0.00176	0.00028	0.00007	0.00001	0.00000	0.00000	0.00000	0.00271
EAST	0.00058	0.00139	0.00030	0.00000	0.00000	0.00000	0.00000	0.00000	0.00227
EAST-SOUTHEAST	0.00050	0.00172	0.00018	0.00000	0.00000	0.00000	0.00000	0.00000	0.00240
SOUTHEAST	0.00030	0.00151	0.00035	0.00002	0.00000	0.00000	0.00000	0.00000	0.00218
SOUTH-SOUTHEAST	0.00025	0.00127	0.00036	0.00007	0.00001	0.00000	0.00000	0.00000	0.00196
SOUTH	0.00033	0.00130	0.00021	0.00010	0.00000	0.00003	0.00000	0.00000	0.00196
SOUTH-SOUTHWEST	0.00022	0.00109	0.00062	0.00033	0.00009	0.00001	0.00000	0.00000	0.00237
SOUTHWEST	0.00015	0.00141	0.00093	0.00072	0.00036	0.00006	0.00000	0.00000	0.00362
WEST-SOUTHWEST	0.00019	0.00092	0.00146	0.00099	0.00024	0.00007	0.00000	0.00000	0.00386
WEST	0.00027	0.00087	0.00078	0.00032	0.00003	0.00000	0.00000	0.00000	0.00227
WEST-NORTHWEST	0.00028	0.00203	0.00121	0.00057	0.00014	0.00003	0.00000	0.00000	0.00425
NORTHWEST	0.00039	0.00329	0.00259	0.00104	0.00043	0.00003	0.00000	0.00000	0.00777
NORTH-NORTHWEST	0.00077	0.00321	0.00141	0.00024	0.00001	0.00000	0.00000	0.00000	0.00564
TOTAL:	0.00715	0.02990	0.01301	0.00489	0.00139	0.00023	0.00000	0.00000	0.05658

TABLE 6.12. Continued

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS C: 3503.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 68238.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00110	0.00251	0.00042	0.00012	0.00001	0.00000	0.00000	0.00000	0.00416
NORTH-NORTHEAST	0.00107	0.00215	0.00064	0.00009	0.00003	0.00000	0.00000	0.00000	0.00398
NORTHEAST	0.00072	0.00162	0.00046	0.00014	0.00000	0.00000	0.00000	0.00000	0.00294
EAST-NORTHEAST	0.00064	0.00111	0.00027	0.00005	0.00000	0.00000	0.00000	0.00000	0.00208
EAST	0.00057	0.00123	0.00015	0.00001	0.00000	0.00000	0.00000	0.00000	0.00197
EAST-SOUTHEAST	0.00062	0.00113	0.00009	0.00000	0.00000	0.00000	0.00000	0.00000	0.00184
SOUTHEAST	0.00067	0.00160	0.00024	0.00002	0.00000	0.00000	0.00000	0.00000	0.00253
SOUTH-SOUTHEAST	0.00336	0.00101	0.00029	0.00008	0.00000	0.00000	0.00000	0.00000	0.00173
SOUTH	0.00041	0.00068	0.00025	0.00007	0.00000	0.00002	0.00000	0.00000	0.00143
SOUTH-SOUTHWEST	0.00029	0.00080	0.00047	0.00023	0.00009	0.00002	0.00000	0.00000	0.00191
SOUTHWEST	0.00026	0.00091	0.00080	0.00058	0.00024	0.00002	0.00000	0.00000	0.00281
WEST-SOUTHWEST	0.00036	0.00099	0.00121	0.00093	0.00010	0.00005	0.00000	0.00000	0.00364
WEST	0.00048	0.00085	0.00116	0.00042	0.00004	0.00001	0.00000	0.00000	0.00295
WEST-NORTHWEST	0.00034	0.00126	0.00141	0.00061	0.00013	0.00000	0.00000	0.00000	0.00376
NORTHWEST	0.00068	0.00282	0.00309	0.00107	0.00027	0.00010	0.00000	0.00000	0.00803
NORTH-NORTHWEST	0.00088	0.00325	0.00122	0.00021	0.00001	0.00000	0.00000	0.00000	0.00556
TOTAL:	0.00944	0.02393	0.01218	0.00463	0.00094	0.00022	0.00000	0.00000	0.05134

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS D: 21300.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 68238.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00546	0.00772	0.00202	0.00050	0.00008	0.00002	0.00001	0.00000	0.01582
NORTH-NORTHEAST	0.00487	0.00629	0.00167	0.00084	0.00026	0.00002	0.00000	0.00000	0.01396
NORTHEAST	0.00462	0.00448	0.00096	0.00056	0.00012	0.00000	0.00000	0.00000	0.01075
EAST-NORTHEAST	0.00378	0.00402	0.00053	0.00033	0.00010	0.00000	0.00000	0.00000	0.00876
EAST	0.00377	0.00439	0.00050	0.00003	0.00003	0.00000	0.00000	0.00000	0.00872
EAST-SOUTHEAST	0.00441	0.00574	0.00073	0.00004	0.00000	0.00000	0.00000	0.00000	0.01093
SOUTHEAST	0.00437	0.00627	0.00167	0.00027	0.00000	0.00000	0.00000	0.00000	0.01258
SOUTH-SOUTHEAST	0.00290	0.00432	0.00156	0.00074	0.00008	0.00001	0.00000	0.00000	0.00960
SOUTH	0.00265	0.00348	0.00166	0.00114	0.00027	0.00007	0.00001	0.00000	0.00928
SOUTH-SOUTHWEST	0.00250	0.00360	0.00269	0.00278	0.00135	0.00046	0.00005	0.00000	0.01343
SOUTHWEST	0.00244	0.00391	0.00450	0.00592	0.00311	0.00088	0.00014	0.00001	0.02091
WEST-SOUTHWEST	0.00299	0.00537	0.00771	0.00556	0.00142	0.00040	0.00001	0.00000	0.02346
WEST	0.00309	0.00760	0.00787	0.00352	0.00040	0.00014	0.00000	0.00000	0.02263
WEST-NORTHWEST	0.00414	0.01421	0.01779	0.01123	0.00252	0.00016	0.00000	0.00000	0.05004
NORTHWEST	0.00477	0.01799	0.01871	0.01135	0.00420	0.00072	0.00000	0.00000	0.05774
NORTH-NORTHWEST	0.00496	0.01284	0.00439	0.00123	0.00014	0.00000	0.00000	0.00000	0.02354
TOTAL:	0.06173	0.11222	0.07494	0.04604	0.01408	0.00289	0.00022	0.00001	0.31214

TABLE 6.12. Continued

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS E: 16037.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 68238.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00214	0.00308	0.00091	0.00017	0.00010	0.00000	0.00000	0.00000	0.00640
NORTH-NORTHEAST	0.00185	0.00166	0.00040	0.00076	0.00029	0.00006	0.00000	0.00000	0.00502
NORTHEAST	0.00151	0.00148	0.00042	0.00026	0.00010	0.00002	0.00000	0.00000	0.00379
EAST-NORTHEAST	0.00147	0.00151	0.00023	0.00006	0.00000	0.00000	0.00000	0.00000	0.00326
EAST	0.00163	0.00234	0.00020	0.00002	0.00000	0.00000	0.00000	0.00000	0.00419
EAST-SOUTHEAST	0.00219	0.00343	0.00063	0.00001	0.00000	0.00000	0.00000	0.00000	0.00625
SOUTHEAST	0.00234	0.00439	0.00154	0.00009	0.00005	0.00000	0.00000	0.00000	0.00839
SOUTH-SOUTHEAST	0.00217	0.00439	0.00180	0.00030	0.00008	0.00000	0.00000	0.00000	0.00874
SOUTH	0.00204	0.00385	0.00143	0.00055	0.00020	0.00001	0.00000	0.00000	0.00809
SOUTH-SOUTHWEST	0.00201	0.00390	0.00173	0.00125	0.00042	0.00014	0.00000	0.00000	0.00946
SOUTHWEST	0.00254	0.00545	0.00406	0.00291	0.00066	0.00012	0.00000	0.00000	0.01574
WEST-SOUTHWEST	0.00257	0.01055	0.00809	0.00246	0.00022	0.00001	0.00000	0.00000	0.02389
WEST	0.00309	0.01435	0.01238	0.00162	0.00011	0.00001	0.00000	0.00000	0.03156
WEST-NORTHWEST	0.00359	0.01791	0.02202	0.00557	0.00077	0.00001	0.00000	0.00000	0.04988
NORTHWEST	0.00330	0.01264	0.01456	0.00594	0.00111	0.00012	0.00000	0.00000	0.03766
NORTH-NORTHWEST	0.00308	0.00686	0.00236	0.00036	0.00005	0.00000	0.00000	0.00000	0.01271
TOTAL:	0.03750	0.09778	0.07275	0.02233	0.00416	0.00050	0.00000	0.00000	0.23502

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS F: 9769.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 68238.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00137	0.00177	0.00018	0.00003	0.00000	0.00000	0.00000	0.00000	0.00335
NORTH-NORTHEAST	0.00112	0.00099	0.00012	0.00001	0.00001	0.00000	0.00000	0.00000	0.00225
NORTHEAST	0.00088	0.00078	0.00029	0.00004	0.00000	0.00000	0.00000	0.00000	0.00200
EAST-NORTHEAST	0.00072	0.00085	0.00007	0.00000	0.00000	0.00000	0.00000	0.00000	0.00164
EAST	0.00096	0.00112	0.00011	0.00000	0.00000	0.00000	0.00000	0.00000	0.00220
EAST-SOUTHEAST	0.00135	0.00196	0.00021	0.00000	0.00000	0.00000	0.00000	0.00000	0.00352
SOUTHEAST	0.00151	0.00358	0.00116	0.00003	0.00000	0.00000	0.00000	0.00000	0.00628
SOUTH-SOUTHEAST	0.00132	0.00301	0.00137	0.00014	0.00001	0.00001	0.00000	0.00000	0.00586
SOUTH	0.00149	0.00327	0.00049	0.00005	0.00002	0.00000	0.00001	0.00000	0.00534
SOUTH-SOUTHWEST	0.00153	0.00423	0.00073	0.00001	0.00001	0.00000	0.00000	0.00000	0.00651
SOUTHWEST	0.00146	0.00633	0.00147	0.00013	0.00002	0.00000	0.00000	0.00000	0.00940
WEST-SOUTHWEST	0.00191	0.01093	0.00437	0.00026	0.00002	0.00000	0.00000	0.00000	0.01749
WEST	0.00174	0.01454	0.00493	0.00019	0.00001	0.00000	0.00000	0.00000	0.02141
WEST-NORTHWEST	0.00236	0.01558	0.00870	0.00022	0.00001	0.00000	0.00000	0.00000	0.02686
NORTHWEST	0.00200	0.01120	0.00711	0.00043	0.00002	0.00000	0.00000	0.00000	0.02075
NORTH-NORTHWEST	0.00175	0.00506	0.00138	0.00009	0.00000	0.00000	0.00000	0.00000	0.00829
TOTAL:	0.02348	0.08519	0.03269	0.00164	0.00013	0.00001	0.00001	0.00000	0.14316

TABLE 6.12. Continued

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR NRC DELTA T STABILITY CLASS G: 4211.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 68238.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00058	0.00071	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00133
NORTH-NORTHEAST	0.00055	0.00051	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00106
NORTHEAST	0.00046	0.00042	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00088
EAST-NORTHEAST	0.00045	0.00032	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00076
EAST	0.00047	0.00049	0.00006	0.00000	0.00000	0.00000	0.00000	0.00000	0.00102
EAST-SOUTHEAST	0.00049	0.00079	0.00008	0.00000	0.00000	0.00000	0.00000	0.00000	0.00136
SOUTHEAST	0.00051	0.00141	0.00063	0.00000	0.00000	0.00000	0.00000	0.00000	0.00255
SOUTH-SOUTHEAST	0.00048	0.00180	0.00063	0.00007	0.00000	0.00000	0.00000	0.00000	0.00298
SOUTH	0.00055	0.00182	0.00021	0.00000	0.00000	0.00000	0.00000	0.00000	0.00258
SOUTH-SOUTHWEST	0.00056	0.00205	0.00038	0.00000	0.00000	0.00000	0.00000	0.00000	0.00299
SOUTHWEST	0.00080	0.00289	0.00087	0.00000	0.00000	0.00000	0.00000	0.00000	0.00456
WEST-SOUTHWEST	0.00068	0.00532	0.00272	0.00000	0.00000	0.00000	0.00000	0.00000	0.00872
WEST	0.00064	0.00561	0.00138	0.00000	0.00000	0.00000	0.00000	0.00000	0.00762
WEST-NORTHWEST	0.00081	0.00663	0.00372	0.00000	0.00000	0.00000	0.00000	0.00000	0.01116
NORTHWEST	0.00083	0.00490	0.00347	0.00003	0.00000	0.00000	0.00000	0.00000	0.00923
NORTH-NORTHWEST	0.00087	0.00172	0.00029	0.00001	0.00000	0.00000	0.00000	0.00000	0.00290
TOTAL:	0.00973	0.03738	0.01448	0.00012	0.00000	0.00000	0.00000	0.00000	0.06171

TABLE 6.13. Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the Prosser Barricade Station

STATION: 1 PROSSER BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS A: 907.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 65226.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00006	0.00044	0.00028	0.00004	0.00000	0.00000	0.00000	0.00000	0.00083
NORTH-NORTHEAST	0.00005	0.00060	0.00027	0.00004	0.00000	0.00000	0.00000	0.00000	0.00096
NORTHEAST	0.00004	0.00042	0.00017	0.00003	0.00000	0.00000	0.00000	0.00000	0.00067
EAST-NORTHEAST	0.00012	0.00050	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00063
EAST	0.00008	0.00032	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00042
EAST-SOUTHEAST	0.00008	0.00032	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00042
SOUTHEAST	0.00007	0.00032	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040
SOUTH-SOUTHEAST	0.00008	0.00092	0.00030	0.00002	0.00000	0.00000	0.00000	0.00000	0.00131
SOUTH	0.00007	0.00121	0.00120	0.00006	0.00000	0.00000	0.00000	0.00000	0.00255
SOUTH-SOUTHWEST	0.00004	0.00076	0.00147	0.00073	0.00004	0.00000	0.00000	0.00000	0.00305
SOUTHWEST	0.00003	0.00021	0.00037	0.00061	0.00015	0.00002	0.00000	0.00000	0.00138
WEST-SOUTHWEST	0.00002	0.00007	0.00010	0.00016	0.00004	0.00000	0.00000	0.00000	0.00039
WEST	0.00001	0.00002	0.00005	0.00003	0.00000	0.00001	0.00000	0.00000	0.00012
WEST-NORTHWEST	0.00005	0.00007	0.00007	0.00004	0.00000	0.00001	0.00000	0.00000	0.00024
NORTHWEST	0.00000	0.00015	0.00002	0.00007	0.00002	0.00000	0.00000	0.00000	0.00026
NORTH-NORTHWEST	0.00007	0.00007	0.00010	0.00003	0.00002	0.00000	0.00000	0.00000	0.00028
TOTAL:	0.00087	0.00641	0.00446	0.00187	0.00026	0.00003	0.00000	0.00000	0.01391

STATION: 1 PROSSER BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS B: 10091.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 65226.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00203	0.00642	0.00553	0.00183	0.00007	0.00001	0.00000	0.00000	0.01588
NORTH-NORTHEAST	0.00218	0.00667	0.00354	0.00047	0.00015	0.00004	0.00000	0.00000	0.01306
NORTHEAST	0.00180	0.00394	0.00093	0.00031	0.00002	0.00000	0.00000	0.00000	0.00701
EAST-NORTHEAST	0.00157	0.00253	0.00018	0.00002	0.00000	0.00000	0.00000	0.00000	0.00429
EAST	0.00178	0.00218	0.00025	0.00000	0.00000	0.00000	0.00000	0.00000	0.00421
EAST-SOUTHEAST	0.00163	0.00251	0.00035	0.00000	0.00000	0.00000	0.00000	0.00000	0.00449
SOUTHEAST	0.00168	0.00396	0.00065	0.00003	0.00000	0.00000	0.00000	0.00000	0.00633
SOUTH-SOUTHEAST	0.00200	0.00770	0.00230	0.00009	0.00000	0.00000	0.00000	0.00000	0.01209
SOUTH	0.00194	0.00975	0.00761	0.00112	0.00005	0.00000	0.00000	0.00000	0.02047
SOUTH-SOUTHWEST	0.00167	0.00603	0.01136	0.00713	0.00077	0.00015	0.00000	0.00000	0.02711
SOUTHWEST	0.00112	0.00241	0.00395	0.00492	0.00080	0.00021	0.00003	0.00000	0.01345
WEST-SOUTHWEST	0.00052	0.00101	0.00115	0.00157	0.00046	0.00016	0.00001	0.00000	0.00488
WEST	0.00059	0.00075	0.00041	0.00041	0.00022	0.00007	0.00000	0.00000	0.00245
WEST-NORTHWEST	0.00071	0.00109	0.00056	0.00029	0.00002	0.00000	0.00000	0.00000	0.00267
NORTHWEST	0.00093	0.00240	0.00154	0.00082	0.00013	0.00002	0.00000	0.00000	0.00583
NORTH-NORTHWEST	0.00161	0.00502	0.00261	0.00117	0.00011	0.00000	0.00000	0.00000	0.01051
TOTAL:	0.02375	0.06436	0.04291	0.02016	0.00281	0.00067	0.00005	0.00000	0.15471

TABLE 6.13. Continued

STATION: 1 PROSSER BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS C: 9298.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 65226.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00160	0.00604	0.00514	0.00213	0.00015	0.00002	0.00000	0.00000	0.01508
NORTH-NORTHEAST	0.00163	0.00514	0.00364	0.00091	0.00014	0.00001	0.00000	0.00000	0.01146
NORTHEAST	0.00130	0.00312	0.00065	0.00025	0.00005	0.00000	0.00000	0.00000	0.00537
EAST-NORTHEAST	0.00110	0.00228	0.00026	0.00001	0.00000	0.00000	0.00000	0.00000	0.00365
EAST	0.00102	0.00166	0.00035	0.00003	0.00000	0.00000	0.00000	0.00000	0.00306
EAST-SOUTHEAST	0.00148	0.00214	0.00052	0.00004	0.00000	0.00000	0.00000	0.00000	0.00418
SOUTHEAST	0.00162	0.00312	0.00107	0.00011	0.00000	0.00000	0.00000	0.00000	0.00591
SOUTH-SOUTHEAST	0.00194	0.00525	0.00209	0.00014	0.00002	0.00000	0.00000	0.00000	0.00943
SOUTH	0.00194	0.00678	0.00504	0.00073	0.00004	0.00001	0.00000	0.00000	0.01454
SOUTH-SOUTHWEST	0.00162	0.00451	0.00884	0.00585	0.00059	0.00015	0.00001	0.00000	0.02158
SOUTHWEST	0.00108	0.00213	0.00457	0.00445	0.00108	0.00028	0.00002	0.00000	0.01360
WEST-SOUTHWEST	0.00062	0.00094	0.00145	0.00192	0.00069	0.00021	0.00002	0.00000	0.00584
WEST	0.00068	0.00083	0.00055	0.00071	0.00020	0.00002	0.00001	0.00000	0.00301
WEST-NORTHWEST	0.00083	0.00129	0.00069	0.00028	0.00004	0.00002	0.00000	0.00000	0.00314
NORTHWEST	0.00132	0.00274	0.00232	0.00106	0.00035	0.00005	0.00000	0.00000	0.00784
NORTH-NORTHWEST	0.00166	0.00572	0.00514	0.00208	0.00025	0.00001	0.00000	0.00000	0.01486
TOTAL:	0.02143	0.05369	0.04231	0.02070	0.00359	0.00077	0.00006	0.00000	0.14255

STATION: 1 PROSSER BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS D: 18393.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 65226.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00224	0.00679	0.00516	0.00220	0.00057	0.00005	0.00000	0.00000	0.01700
NORTH-NORTHEAST	0.00151	0.00430	0.00248	0.00107	0.00049	0.00025	0.00000	0.00000	0.01011
NORTHEAST	0.00151	0.00284	0.00102	0.00090	0.00014	0.00007	0.00006	0.00000	0.00655
EAST-NORTHEAST	0.00097	0.00215	0.00064	0.00012	0.00002	0.00000	0.00000	0.00000	0.00390
EAST	0.00121	0.00276	0.00074	0.00007	0.00001	0.00000	0.00000	0.00000	0.00479
EAST-SOUTHEAST	0.00159	0.00332	0.00146	0.00013	0.00002	0.00000	0.00000	0.00000	0.00651
SOUTHEAST	0.00218	0.00603	0.00151	0.00019	0.00000	0.00000	0.00000	0.00000	0.00991
SOUTH-SOUTHEAST	0.00274	0.01007	0.00378	0.00035	0.00003	0.00000	0.00000	0.00000	0.01698
SOUTH	0.00330	0.01209	0.00700	0.00159	0.00017	0.00002	0.00000	0.00000	0.02418
SOUTH-SOUTHWEST	0.00334	0.01117	0.01370	0.00975	0.00231	0.00071	0.00008	0.00000	0.04107
SOUTHWEST	0.00298	0.00659	0.00874	0.00895	0.00443	0.00221	0.00037	0.00000	0.03427
WEST-SOUTHWEST	0.00168	0.00366	0.00373	0.00499	0.00271	0.00091	0.00005	0.00000	0.01773
WEST	0.00161	0.00320	0.00272	0.00234	0.00101	0.00022	0.00002	0.00002	0.01113
WEST-NORTHWEST	0.00179	0.00419	0.00301	0.00157	0.00034	0.00004	0.00000	0.00000	0.01094
NORTHWEST	0.00218	0.00659	0.01031	0.00904	0.00295	0.00039	0.00000	0.00000	0.03145
NORTH-NORTHWEST	0.00270	0.00995	0.01469	0.00667	0.00135	0.00012	0.00000	0.00000	0.03548
TOTAL:	0.03354	0.09568	0.08069	0.04993	0.01656	0.00498	0.00058	0.00002	0.28199

TABLE 6.13. Continued

STATION: 1 PROSSER BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS E: 10229.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 65226.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00219	0.00548	0.00321	0.00079	0.00003	0.00002	0.00000	0.00000	0.01172
NORTH-NORTHEAST	0.00151	0.00258	0.00106	0.00016	0.00000	0.00000	0.00000	0.00000	0.00531
NORTHEAST	0.00117	0.00141	0.00028	0.00007	0.00002	0.00000	0.00000	0.00000	0.00295
EAST-NORTHEAST	0.00089	0.00099	0.00019	0.00002	0.00003	0.00000	0.00000	0.00000	0.00212
EAST	0.00117	0.00124	0.00027	0.00004	0.00000	0.00000	0.00000	0.00000	0.00272
EAST-SOUTHEAST	0.00157	0.00196	0.00051	0.00002	0.00000	0.00000	0.00000	0.00000	0.00406
SOUTHEAST	0.00203	0.00382	0.00073	0.00007	0.00000	0.00000	0.00000	0.00000	0.00665
SOUTH-SOUTHEAST	0.00231	0.00693	0.00191	0.00009	0.00000	0.00000	0.00000	0.00000	0.01124
SOUTH	0.00275	0.00777	0.00274	0.00048	0.00001	0.00000	0.00000	0.00000	0.01374
SOUTH-SOUTHWEST	0.00300	0.00761	0.00512	0.00239	0.00043	0.00012	0.00000	0.00000	0.01867
SOUTHWEST	0.00264	0.00452	0.00379	0.00193	0.00063	0.00026	0.00002	0.00002	0.01381
WEST-SOUTHWEST	0.00178	0.00193	0.00143	0.00091	0.00042	0.00008	0.00000	0.00000	0.00656
WEST	0.00176	0.00172	0.00093	0.00051	0.00015	0.00002	0.00000	0.00000	0.00508
WEST-NORTHWEST	0.00172	0.00246	0.00073	0.00034	0.00006	0.00003	0.00000	0.00000	0.00532
NORTHWEST	0.00233	0.00592	0.00618	0.00320	0.00054	0.00002	0.00000	0.00000	0.01818
NORTH-NORTHWEST	0.00299	0.01024	0.01192	0.00330	0.00024	0.00000	0.00000	0.00000	0.02868
TOTAL:	0.03181	0.06658	0.04100	0.01430	0.00254	0.00055	0.00002	0.00002	0.15882

STATION: 1 PROSSER BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS F: 10314.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 65226.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00311	0.00802	0.00257	0.00040	0.00003	0.00001	0.00000	0.00000	0.01415
NORTH-NORTHEAST	0.00186	0.00348	0.00092	0.00007	0.00003	0.00001	0.00000	0.00000	0.00637
NORTHEAST	0.00147	0.00234	0.00041	0.00005	0.00000	0.00000	0.00000	0.00000	0.00427
EAST-NORTHEAST	0.00129	0.00140	0.00013	0.00004	0.00000	0.00000	0.00000	0.00000	0.00286
EAST	0.00152	0.00200	0.00025	0.00002	0.00000	0.00000	0.00000	0.00000	0.00378
EAST-SOUTHEAST	0.00195	0.00260	0.00040	0.00002	0.00000	0.00000	0.00000	0.00000	0.00496
SOUTHEAST	0.00216	0.00414	0.00089	0.00003	0.00000	0.00000	0.00000	0.00000	0.00722
SOUTH-SOUTHEAST	0.00305	0.00731	0.00214	0.00006	0.00000	0.00000	0.00000	0.00000	0.01257
SOUTH	0.00313	0.00736	0.00303	0.00063	0.00003	0.00000	0.00000	0.00000	0.01417
SOUTH-SOUTHWEST	0.00296	0.00713	0.00479	0.00215	0.00032	0.00002	0.00000	0.00000	0.01736
SOUTHWEST	0.00301	0.00448	0.00285	0.00175	0.00064	0.00026	0.00005	0.00000	0.01304
WEST-SOUTHWEST	0.00190	0.00184	0.00076	0.00079	0.00023	0.00003	0.00001	0.00000	0.00556
WEST	0.00168	0.00126	0.00045	0.00032	0.00010	0.00000	0.00000	0.00000	0.00382
WEST-NORTHWEST	0.00224	0.00177	0.00060	0.00016	0.00000	0.00000	0.00000	0.00000	0.00477
NORTHWEST	0.00323	0.00704	0.00386	0.00170	0.00047	0.00012	0.00002	0.00000	0.01644
NORTH-NORTHWEST	0.00365	0.01278	0.00850	0.00172	0.00012	0.00001	0.00000	0.00000	0.02679
TOTAL:	0.03821	0.07494	0.03255	0.00990	0.00199	0.00046	0.00008	0.00000	0.15813

TABLE 6.13. Continued

STATION: 1 PROSSER BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS G: 5994.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 65226.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00222	0.00509	0.00135	0.00022	0.00001	0.00002	0.00000	0.00000	0.00892
NORTH-NORTHEAST	0.00178	0.00213	0.00047	0.00003	0.00000	0.00000	0.00000	0.00000	0.00440
NORTHEAST	0.00140	0.00162	0.00021	0.00003	0.00006	0.00000	0.00000	0.00000	0.00332
EAST-NORTHEAST	0.00092	0.00109	0.00003	0.00001	0.00001	0.00000	0.00000	0.00000	0.00207
EAST	0.00092	0.00119	0.00013	0.00001	0.00000	0.00000	0.00000	0.00000	0.00225
EAST-SOUTHEAST	0.00105	0.00164	0.00029	0.00002	0.00000	0.00000	0.00000	0.00000	0.00300
SOUTHEAST	0.00112	0.00278	0.00036	0.00000	0.00000	0.00000	0.00000	0.00000	0.00426
SOUTH-SOUTHEAST	0.00183	0.00463	0.00093	0.00004	0.00000	0.00000	0.00000	0.00000	0.00749
SOUTH	0.00195	0.00471	0.00177	0.00026	0.00001	0.00000	0.00000	0.00000	0.00870
SOUTH-SOUTHWEST	0.00216	0.00352	0.00247	0.00099	0.00014	0.00001	0.00000	0.00000	0.00929
SOUTHWEST	0.00152	0.00217	0.00139	0.00086	0.00046	0.00014	0.00000	0.00000	0.00654
WEST-SOUTHWEST	0.00102	0.00086	0.00038	0.00037	0.00012	0.00003	0.00000	0.00000	0.00278
WEST	0.00070	0.00062	0.00020	0.00012	0.00003	0.00000	0.00000	0.00000	0.00167
WEST-NORTHWEST	0.00141	0.00116	0.00021	0.00007	0.00001	0.00000	0.00000	0.00000	0.00286
NORTHWEST	0.00230	0.00478	0.00187	0.00062	0.00005	0.00000	0.00000	0.00000	0.00963
NORTH-NORTHWEST	0.00261	0.00804	0.00355	0.00043	0.00005	0.00004	0.00000	0.00000	0.01471
TOTAL:	0.02491	0.04604	0.01565	0.00409	0.00095	0.00025	0.00000	0.00000	0.09190

TABLE 6.14. Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the Army Loop Road Station

STATION: 3 ARMY LOOP ROAD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS A: 907.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66657.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00005	0.00051	0.00015	0.00001	0.00000	0.00000	0.00000	0.00000	0.00072
NORTH-NORTHEAST	0.00007	0.00060	0.00022	0.00003	0.00000	0.00000	0.00000	0.00000	0.00092
NORTHEAST	0.00012	0.00060	0.00009	0.00000	0.00000	0.00000	0.00000	0.00000	0.00081
EAST-NORTHEAST	0.00008	0.00086	0.00009	0.00000	0.00000	0.00000	0.00000	0.00000	0.00103
EAST	0.00009	0.00121	0.00024	0.00000	0.00000	0.00000	0.00000	0.00000	0.00154
EAST-SOUTHEAST	0.00016	0.00112	0.00025	0.00004	0.00001	0.00000	0.00000	0.00000	0.00159
SOUTHEAST	0.00007	0.00062	0.00036	0.00008	0.00000	0.00000	0.00000	0.00000	0.00113
SOUTH-SOUTHEAST	0.00005	0.00052	0.00015	0.00005	0.00000	0.00000	0.00000	0.00000	0.00077
SOUTH	0.00003	0.00036	0.00011	0.00003	0.00001	0.00000	0.00000	0.00000	0.00055
SOUTH-SOUTHWEST	0.00008	0.00017	0.00016	0.00002	0.00001	0.00001	0.00000	0.00000	0.00045
SOUTHWEST	0.00005	0.00028	0.00018	0.00005	0.00004	0.00000	0.00002	0.00000	0.00062
WEST-SOUTHWEST	0.00002	0.00016	0.00026	0.00022	0.00006	0.00000	0.00000	0.00000	0.00072
WEST	0.00009	0.00023	0.00017	0.00013	0.00004	0.00000	0.00002	0.00000	0.00068
WEST-NORTHWEST	0.00008	0.00043	0.00015	0.00005	0.00003	0.00000	0.00000	0.00000	0.00073
NORTHWEST	0.00008	0.00034	0.00008	0.00007	0.00005	0.00000	0.00000	0.00000	0.00063
NORTH-NORTHWEST	0.00008	0.00038	0.00014	0.00010	0.00003	0.00000	0.00000	0.00000	0.00073
TOTAL:	0.00122	0.00840	0.00279	0.00089	0.00027	0.00002	0.00003	0.00000	0.01361

STATION: 3 ARMY LOOP ROAD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS B: 10298.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66657.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00135	0.00553	0.00246	0.00038	0.00000	0.00002	0.00000	0.00000	0.00974
NORTH-NORTHEAST	0.00170	0.00470	0.00130	0.00032	0.00008	0.00001	0.00000	0.00000	0.00810
NORTHEAST	0.00200	0.00555	0.00080	0.00021	0.00003	0.00002	0.00000	0.00000	0.00859
EAST-NORTHEAST	0.00249	0.00796	0.00089	0.00005	0.00000	0.00000	0.00000	0.00000	0.01139
EAST	0.00325	0.01176	0.00133	0.00003	0.00000	0.00000	0.00000	0.00000	0.01637
EAST-SOUTHEAST	0.00351	0.01224	0.00213	0.00011	0.00000	0.00000	0.00000	0.00000	0.01799
SOUTHEAST	0.00261	0.00745	0.00198	0.00031	0.00000	0.00000	0.00000	0.00000	0.01235
SOUTH-SOUTHEAST	0.00194	0.00351	0.00095	0.00030	0.00002	0.00000	0.00000	0.00000	0.00671
SOUTH	0.00115	0.00233	0.00089	0.00026	0.00002	0.00000	0.00000	0.00000	0.00465
SOUTH-SOUTHWEST	0.00111	0.00164	0.00092	0.00047	0.00020	0.00003	0.00000	0.00000	0.00437
SOUTHWEST	0.00119	0.00185	0.00111	0.00076	0.00034	0.00022	0.00003	0.00000	0.00551
WEST-SOUTHWEST	0.00119	0.00209	0.00209	0.00185	0.00061	0.00039	0.00000	0.00000	0.00821
WEST	0.00135	0.00279	0.00209	0.00116	0.00043	0.00017	0.00000	0.00000	0.00799
WEST-NORTHWEST	0.00135	0.00427	0.00234	0.00080	0.00007	0.00001	0.00000	0.00000	0.00884
NORTHWEST	0.00147	0.00526	0.00371	0.00112	0.00038	0.00005	0.00002	0.00000	0.01200
NORTH-NORTHWEST	0.00156	0.00602	0.00321	0.00068	0.00021	0.00001	0.00000	0.00000	0.01169
TOTAL:	0.02922	0.08496	0.02817	0.00881	0.00237	0.00092	0.00005	0.00000	0.15449

TABLE 6.14. Continued

STATION: 3 ARMY LOOP ROAD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS C: 9485.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66657.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00168	0.00422	0.00279	0.00044	0.00004	0.00004	0.00000	0.00000	0.00922
NORTH-NORTHEAST	0.00139	0.00387	0.00179	0.00034	0.00011	0.00002	0.00000	0.00000	0.00751
NORTHEAST	0.00202	0.00409	0.00083	0.00020	0.00008	0.00002	0.00000	0.00000	0.00722
EAST-NORTHEAST	0.00229	0.00557	0.00053	0.00006	0.00000	0.00000	0.00000	0.00000	0.00844
EAST	0.00251	0.00651	0.00095	0.00006	0.00000	0.00000	0.00000	0.00000	0.01004
EAST-SOUTHEAST	0.00263	0.00692	0.00160	0.00019	0.00001	0.00000	0.00000	0.00000	0.01135
SOUTHEAST	0.00211	0.00462	0.00164	0.00041	0.00000	0.00000	0.00000	0.00000	0.00879
SOUTH-SOUTHEAST	0.00127	0.00222	0.00101	0.00043	0.00004	0.00000	0.00000	0.00000	0.00496
SOUTH	0.00116	0.00178	0.00103	0.00045	0.00008	0.00000	0.00000	0.00000	0.00451
SOUTH-SOUTHWEST	0.00133	0.00165	0.00075	0.00042	0.00019	0.00006	0.00001	0.00000	0.00442
SOUTHWEST	0.00135	0.00141	0.00154	0.00086	0.00052	0.00021	0.00008	0.00000	0.00597
WEST-SOUTHWEST	0.00134	0.00212	0.00281	0.00223	0.00071	0.00027	0.00003	0.00001	0.00952
WEST	0.00145	0.00310	0.00287	0.00151	0.00032	0.00014	0.00000	0.00000	0.00939
WEST-NORTHWEST	0.00185	0.00560	0.00362	0.00096	0.00016	0.00005	0.00000	0.00000	0.01223
NORTHWEST	0.00187	0.00662	0.00578	0.00142	0.00043	0.00017	0.00000	0.00000	0.01629
NORTH-NORTHWEST	0.00167	0.00579	0.00392	0.00073	0.00029	0.00003	0.00000	0.00000	0.01243
TOTAL:	0.02792	0.06610	0.03344	0.01071	0.00299	0.00101	0.00012	0.00002	0.14230

STATION: 3 ARMY LOOP ROAD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS D: 18658.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66657.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00194	0.00459	0.00265	0.00103	0.00020	0.00000	0.00000	0.00000	0.01040
NORTH-NORTHEAST	0.00169	0.00357	0.00170	0.00103	0.00047	0.00014	0.00000	0.00000	0.00859
NORTHEAST	0.00181	0.00432	0.00138	0.00077	0.00007	0.00017	0.00000	0.00000	0.00851
EAST-NORTHEAST	0.00189	0.00531	0.00099	0.00016	0.00002	0.00001	0.00000	0.00000	0.00839
EAST	0.00205	0.00618	0.00157	0.00023	0.00003	0.00000	0.00000	0.00000	0.01005
EAST-SOUTHEAST	0.00216	0.00560	0.00306	0.00063	0.00008	0.00003	0.00000	0.00000	0.01155
SOUTHEAST	0.00136	0.00485	0.00364	0.00111	0.00008	0.00000	0.00000	0.00000	0.01104
SOUTH-SOUTHEAST	0.00147	0.00344	0.00217	0.00099	0.00013	0.00001	0.00000	0.00000	0.00821
SOUTH	0.00113	0.00209	0.00193	0.00107	0.00016	0.00004	0.00001	0.00000	0.00643
SOUTH-SOUTHWEST	0.00113	0.00173	0.00201	0.00140	0.00107	0.00092	0.00010	0.00001	0.00838
SOUTHWEST	0.00114	0.00230	0.00261	0.00299	0.00329	0.00260	0.00054	0.00006	0.01552
WEST-SOUTHWEST	0.00143	0.00321	0.00433	0.00643	0.00413	0.00144	0.00025	0.00000	0.02122
WEST	0.00193	0.00714	0.00808	0.00580	0.00196	0.00059	0.00002	0.00000	0.02552
WEST-NORTHWEST	0.00224	0.01617	0.02142	0.00690	0.00155	0.00020	0.00000	0.00000	0.04849
NORTHWEST	0.00243	0.01698	0.01927	0.01051	0.00463	0.00117	0.00002	0.00000	0.05500
NORTH-NORTHWEST	0.00219	0.01021	0.00636	0.00288	0.00084	0.00013	0.00001	0.00000	0.02262
TOTAL:	0.02798	0.09766	0.08316	0.04393	0.01871	0.00744	0.00096	0.00008	0.27991

TABLE 6.14. Continued

STATION: 3 ARMY LOOP ROAD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS E: 10491.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66657.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00179	0.00380	0.00149	0.00013	0.00000	0.00000	0.00000	0.00000	0.00721
NORTH-NORTHEAST	0.00144	0.00284	0.00095	0.00014	0.00002	0.00000	0.00000	0.00000	0.00539
NORTHEAST	0.00166	0.00245	0.00060	0.00004	0.00000	0.00000	0.00000	0.00000	0.00475
EAST-NORTHEAST	0.00168	0.00331	0.00047	0.00001	0.00004	0.00001	0.00000	0.00000	0.00553
EAST	0.00155	0.00354	0.00062	0.00010	0.00000	0.00000	0.00000	0.00000	0.00580
EAST-SOUTHEAST	0.00138	0.00310	0.00126	0.00026	0.00000	0.00001	0.00000	0.00000	0.00602
SOUTHEAST	0.00123	0.00242	0.00178	0.00038	0.00000	0.00000	0.00000	0.00000	0.00581
SOUTH-SOUTHEAST	0.00068	0.00134	0.00094	0.00023	0.00002	0.00000	0.00000	0.00000	0.00321
SOUTH	0.00078	0.00062	0.00050	0.00017	0.00003	0.00000	0.00000	0.00000	0.00211
SOUTH-SOUTHWEST	0.00065	0.00063	0.00047	0.00023	0.00017	0.00010	0.00007	0.00000	0.00231
SOUTHWEST	0.00061	0.00095	0.00065	0.00049	0.00058	0.00034	0.00004	0.00002	0.00367
WEST-SOUTHWEST	0.00108	0.00162	0.00111	0.00127	0.00050	0.00014	0.00001	0.00000	0.00574
WEST	0.00168	0.00499	0.00349	0.00138	0.00033	0.00004	0.00000	0.00000	0.01192
WEST-NORTHWEST	0.00243	0.01625	0.01474	0.00225	0.00026	0.00000	0.00000	0.00000	0.03592
NORTHWEST	0.00258	0.01846	0.01196	0.00275	0.00075	0.00009	0.00000	0.00000	0.03660
NORTH-NORTHWEST	0.00194	0.00871	0.00409	0.00054	0.00012	0.00000	0.00000	0.00000	0.01539
TOTAL:	0.02316	0.07504	0.04513	0.01037	0.00282	0.00074	0.00012	0.00002	0.15739

STATION: 3 ARMY LOOP ROAD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS F: 10638.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66657.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00255	0.00460	0.00111	0.00009	0.00000	0.00000	0.00000	0.00000	0.00835
NORTH-NORTHEAST	0.00288	0.00382	0.00070	0.00006	0.00003	0.00001	0.00000	0.00000	0.00750
NORTHEAST	0.00300	0.00459	0.00048	0.00005	0.00002	0.00000	0.00000	0.00000	0.00814
EAST-NORTHEAST	0.00324	0.00526	0.00059	0.00003	0.00003	0.00000	0.00000	0.00000	0.00915
EAST	0.00291	0.00552	0.00078	0.00004	0.00002	0.00000	0.00000	0.00000	0.00929
EAST-SOUTHEAST	0.00231	0.00495	0.00107	0.00010	0.00000	0.00000	0.00000	0.00000	0.00843
SOUTHEAST	0.00181	0.00328	0.00134	0.00038	0.00002	0.00000	0.00000	0.00000	0.00682
SOUTH-SOUTHEAST	0.00136	0.00121	0.00095	0.00031	0.00002	0.00000	0.00000	0.00000	0.00385
SOUTH	0.00108	0.00056	0.00029	0.00012	0.00000	0.00001	0.00000	0.00000	0.00206
SOUTH-SOUTHWEST	0.00087	0.00059	0.00031	0.00022	0.00015	0.00009	0.00008	0.00001	0.00230
SOUTHWEST	0.00122	0.00056	0.00032	0.00050	0.00039	0.00032	0.00006	0.00002	0.00337
WEST-SOUTHWEST	0.00167	0.00136	0.00057	0.00078	0.00035	0.00009	0.00004	0.00002	0.00488
WEST	0.00267	0.00451	0.00218	0.00076	0.00014	0.00001	0.00000	0.00000	0.01027
WEST-NORTHWEST	0.00419	0.01452	0.00877	0.00115	0.00010	0.00002	0.00000	0.00000	0.02874
NORTHWEST	0.00399	0.01744	0.00775	0.00124	0.00057	0.00011	0.00000	0.00000	0.03060
NORTH-NORTHWEST	0.00377	0.00930	0.00230	0.00032	0.00012	0.00001	0.00000	0.00000	0.01583
TOTAL:	0.03952	0.08208	0.02901	0.00615	0.00195	0.00066	0.00018	0.00005	0.15959

TABLE 6.14. Continued

STATION: 3 ARMY LOOP ROAD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS G: 6180.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66657.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00218	0.00340	0.00046	0.00006	0.00003	0.00002	0.00000	0.00000	0.00616
NORTH-NORTHEAST	0.00227	0.00269	0.00026	0.00001	0.00000	0.00000	0.00000	0.00000	0.00523
NORTHEAST	0.00233	0.00331	0.00037	0.00002	0.00005	0.00000	0.00000	0.00000	0.00607
EAST-NORTHEAST	0.00256	0.00374	0.00024	0.00002	0.00000	0.00000	0.00000	0.00000	0.00656
EAST	0.00194	0.00365	0.00044	0.00005	0.00000	0.00000	0.00000	0.00000	0.00608
EAST-SOUTHEAST	0.00182	0.00304	0.00052	0.00009	0.00000	0.00000	0.00000	0.00000	0.00547
SOUTHEAST	0.00129	0.00206	0.00083	0.00011	0.00000	0.00000	0.00000	0.00000	0.00430
SOUTH-SOUTHEAST	0.00085	0.00066	0.00026	0.00005	0.00000	0.00000	0.00000	0.00000	0.00182
SOUTH	0.00060	0.00038	0.00013	0.00001	0.00000	0.00000	0.00000	0.00000	0.00113
SOUTH-SOUTHWEST	0.00055	0.00031	0.00010	0.00006	0.00001	0.00005	0.00003	0.00003	0.00113
SOUTHWEST	0.00058	0.00042	0.00021	0.00023	0.00012	0.00019	0.00005	0.00000	0.00180
WEST-SOUTHWEST	0.00101	0.00079	0.00033	0.00039	0.00019	0.00005	0.00000	0.00000	0.00275
WEST	0.00212	0.00281	0.00074	0.00045	0.00009	0.00001	0.00000	0.00000	0.00621
WEST-NORTHWEST	0.00307	0.00731	0.00286	0.00044	0.00004	0.00000	0.00000	0.00000	0.01372
NORTHWEST	0.00301	0.00855	0.00289	0.00065	0.00008	0.00000	0.00000	0.00000	0.01518
NORTH-NORTHWEST	0.00264	0.00536	0.00089	0.00017	0.00004	0.00001	0.00000	0.00000	0.00911
TOTAL:	0.02882	0.04849	0.01154	0.00279	0.00065	0.00033	0.00008	0.00003	0.09271

TABLE 6.15. Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the Edna Railroad Crossing Station

STATION: 5 EDNA RAILROAD CROSSING

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS A: 911.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66794.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	9 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00001	0.00053	0.00018	0.00002	0.00000	0.00000	0.00000	0.00000	0.00074
NORTH-NORTHEAST	0.00007	0.00058	0.00011	0.00001	0.00000	0.00000	0.00000	0.00000	0.00077
NORTHEAST	0.00007	0.00048	0.00006	0.00003	0.00000	0.00000	0.00000	0.00000	0.00064
EAST-NORTHEAST	0.00006	0.00085	0.00012	0.00000	0.00000	0.00000	0.00000	0.00000	0.00104
EAST	0.00006	0.00112	0.00064	0.00000	0.00000	0.00000	0.00000	0.00000	0.00182
EAST-SOUTHEAST	0.00008	0.00115	0.00086	0.00006	0.00000	0.00000	0.00000	0.00000	0.00215
SOUTHEAST	0.00006	0.00059	0.00045	0.00002	0.00000	0.00000	0.00000	0.00000	0.00113
SOUTH-SOUTHEAST	0.00002	0.00030	0.00036	0.00013	0.00000	0.00000	0.00000	0.00000	0.00081
SOUTH	0.00003	0.00052	0.00038	0.00011	0.00000	0.00000	0.00000	0.00000	0.00104
SOUTH-SOUTHWEST	0.00001	0.00030	0.00021	0.00005	0.00000	0.00000	0.00000	0.00000	0.00058
SOUTHWEST	0.00003	0.00023	0.00013	0.00008	0.00002	0.00000	0.00000	0.00000	0.00050
WEST-SOUTHWEST	0.00002	0.00022	0.00011	0.00004	0.00007	0.00000	0.00000	0.00000	0.00046
WEST	0.00004	0.00016	0.00011	0.00006	0.00003	0.00000	0.00000	0.00000	0.00040
WEST-NORTHWEST	0.00003	0.00016	0.00010	0.00013	0.00008	0.00001	0.00000	0.00000	0.00052
NORTHWEST	0.00000	0.00015	0.00013	0.00017	0.00003	0.00000	0.00000	0.00000	0.00048
NORTH-NORTHWEST	0.00002	0.00038	0.00016	0.00001	0.00000	0.00000	0.00000	0.00000	0.00056
TOTAL:	0.00063	0.00774	0.00410	0.00091	0.00024	0.00001	0.00000	0.00000	0.01364

STATION: 5 EDNA RAILROAD CROSSING

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS B: 10295.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66794.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00147	0.00636	0.00340	0.00032	0.00004	0.00000	0.00000	0.00000	0.01158
NORTH-NORTHEAST	0.00109	0.00430	0.00182	0.00029	0.00009	0.00003	0.00000	0.00000	0.00764
NORTHEAST	0.00148	0.00370	0.00100	0.00016	0.00008	0.00001	0.00000	0.00000	0.00642
EAST-NORTHEAST	0.00143	0.00469	0.00071	0.00004	0.00000	0.00000	0.00000	0.00000	0.00687
EAST	0.00169	0.00758	0.00273	0.00001	0.00000	0.00000	0.00000	0.00000	0.01202
EAST-SOUTHEAST	0.00259	0.01149	0.00445	0.00029	0.00000	0.00000	0.00000	0.00000	0.01882
SOUTHEAST	0.00261	0.01314	0.00374	0.00040	0.00000	0.00000	0.00000	0.00000	0.01989
SOUTH-SOUTHEAST	0.00292	0.00815	0.00362	0.00056	0.00004	0.00001	0.00000	0.00000	0.01531
SOUTH	0.00219	0.00396	0.00210	0.00084	0.00016	0.00002	0.00000	0.00000	0.00927
SOUTH-SOUTHWEST	0.00139	0.00228	0.00104	0.00053	0.00008	0.00001	0.00000	0.00000	0.00534
SOUTHWEST	0.00097	0.00147	0.00111	0.00055	0.00015	0.00006	0.00000	0.00000	0.00432
WEST-SOUTHWEST	0.00100	0.00156	0.00159	0.00087	0.00030	0.00010	0.00000	0.00000	0.00542
WEST	0.00083	0.00171	0.00150	0.00090	0.00017	0.00008	0.00000	0.00000	0.00520
WEST-NORTHWEST	0.00164	0.00217	0.00150	0.00096	0.00046	0.00010	0.00000	0.00000	0.00683
NORTHWEST	0.00191	0.00380	0.00179	0.00083	0.00026	0.00002	0.00001	0.00000	0.00863
NORTH-NORTHWEST	0.00195	0.00588	0.00250	0.00021	0.00001	0.00001	0.00000	0.00000	0.01057
TOTAL:	0.02717	0.08225	0.03460	0.00777	0.00184	0.00048	0.00001	0.00000	0.15413

TABLE 6.15. Continued

STATION: 5 EDNA RAILROAD CROSSING

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS C: 9503.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66794.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00110	0.00545	0.00389	0.00060	0.00008	0.00001	0.00000	0.00000	0.01114
NORTH-NORTHEAST	0.00092	0.00357	0.00220	0.00053	0.00005	0.00003	0.00000	0.00000	0.00731
NORTHEAST	0.00083	0.00231	0.00108	0.00039	0.00005	0.00000	0.00000	0.00000	0.00466
EAST-NORTHEAST	0.00081	0.00286	0.00048	0.00012	0.00003	0.00000	0.00000	0.00000	0.00430
EAST	0.00126	0.00446	0.00144	0.00004	0.00000	0.00000	0.00000	0.00000	0.00720
EAST-SOUTHEAST	0.00203	0.00811	0.00346	0.00027	0.00000	0.00000	0.00000	0.00000	0.01388
SOUTHEAST	0.00259	0.01032	0.00392	0.00046	0.00000	0.00000	0.00000	0.00000	0.01729
SOUTH-SOUTHEAST	0.00335	0.00735	0.00246	0.00065	0.00002	0.00001	0.00000	0.00000	0.01384
SOUTH	0.00235	0.00360	0.00203	0.00090	0.00009	0.00001	0.00000	0.00000	0.00897
SOUTH-SOUTHWEST	0.00148	0.00162	0.00127	0.00059	0.00020	0.00001	0.00000	0.00000	0.00517
SOUTHWEST	0.00108	0.00135	0.00135	0.00048	0.00024	0.00008	0.00000	0.00000	0.00458
WEST-SOUTHWEST	0.00081	0.00151	0.00195	0.00095	0.00042	0.00010	0.00000	0.00000	0.00573
WEST	0.00123	0.00142	0.00194	0.00111	0.00019	0.00006	0.00000	0.00000	0.00596
WEST-NORTHWEST	0.00194	0.00275	0.00227	0.00137	0.00043	0.00010	0.00001	0.00000	0.00887
NORTHWEST	0.00242	0.00535	0.00208	0.00112	0.00056	0.00004	0.00000	0.00000	0.01158
NORTH-NORTHWEST	0.00196	0.00645	0.00291	0.00036	0.00011	0.00001	0.00000	0.00000	0.01180
TOTAL:	0.02617	0.06848	0.03475	0.00994	0.00246	0.00046	0.00001	0.00000	0.14227

STATION: 5 EDNA RAILROAD CROSSING

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS D: 18688.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66794.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00189	0.00713	0.00494	0.00119	0.00013	0.00000	0.00000	0.00000	0.01528
NORTH-NORTHEAST	0.00111	0.00267	0.00180	0.00125	0.00064	0.00013	0.00000	0.00000	0.00761
NORTHEAST	0.00085	0.00226	0.00161	0.00100	0.00044	0.00025	0.00003	0.00000	0.00645
EAST-NORTHEAST	0.00110	0.00199	0.00067	0.00093	0.00029	0.00006	0.00001	0.00000	0.00505
EAST	0.00129	0.00422	0.00150	0.00027	0.00009	0.00000	0.00000	0.00000	0.00737
EAST-SOUTHEAST	0.00255	0.01029	0.00547	0.00046	0.00002	0.00000	0.00000	0.00000	0.01879
SOUTHEAST	0.00316	0.01908	0.00640	0.00089	0.00007	0.00000	0.00000	0.00000	0.02959
SOUTH-SOUTHEAST	0.00378	0.01219	0.00467	0.00153	0.00019	0.00001	0.00000	0.00000	0.02236
SOUTH	0.00318	0.00553	0.00384	0.00227	0.00046	0.00004	0.00001	0.00000	0.01533
SOUTH-SOUTHWEST	0.00278	0.00291	0.00321	0.00258	0.00106	0.00017	0.00002	0.00000	0.01272
SOUTHWEST	0.00160	0.00257	0.00303	0.00285	0.00152	0.00021	0.00000	0.00000	0.01178
WEST-SOUTHWEST	0.00151	0.00268	0.00453	0.00395	0.00172	0.00030	0.00000	0.00000	0.01470
WEST	0.00176	0.00320	0.00495	0.00366	0.00096	0.00028	0.00001	0.00000	0.01482
WEST-NORTHWEST	0.00270	0.00741	0.00726	0.00670	0.00320	0.00065	0.00003	0.00000	0.02795
NORTHWEST	0.00342	0.01419	0.01131	0.00731	0.00265	0.00039	0.00000	0.00000	0.03928
NORTH-NORTHWEST	0.00283	0.01567	0.00987	0.00199	0.00031	0.00003	0.00000	0.00000	0.03069
TOTAL:	0.03550	0.11401	0.07507	0.03884	0.01374	0.00252	0.00012	0.00000	0.27979

TABLE 6.15. Continued

STATION: 5 EDNA RAILROAD CROSSING

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS E: 10460.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66794.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00143	0.00534	0.00250	0.00029	0.00001	0.00000	0.00000	0.00000	0.00956
NORTH-NORTHEAST	0.00075	0.00125	0.00079	0.00041	0.00010	0.00000	0.00000	0.00000	0.00330
NORTHEAST	0.00051	0.00071	0.00048	0.00046	0.00008	0.00000	0.00000	0.00000	0.00225
EAST-NORTHEAST	0.00052	0.00072	0.00022	0.00027	0.00020	0.00001	0.00003	0.00000	0.00197
EAST	0.00088	0.00184	0.00028	0.00006	0.00001	0.00000	0.00000	0.00000	0.00307
EAST-SOUTHEAST	0.00171	0.00580	0.00252	0.00011	0.00000	0.00000	0.00000	0.00000	0.01013
SOUTHEAST	0.00312	0.01342	0.00321	0.00028	0.00001	0.00000	0.00000	0.00000	0.02004
SOUTH-SOUTHEAST	0.00371	0.00956	0.00148	0.00028	0.00000	0.00000	0.00000	0.00000	0.01502
SOUTH	0.00346	0.00467	0.00107	0.00042	0.00002	0.00001	0.00000	0.00000	0.00965
SOUTH-SOUTHWEST	0.00228	0.00194	0.00061	0.00034	0.00004	0.00003	0.00000	0.00000	0.00524
SOUTHWEST	0.00177	0.00116	0.00065	0.00037	0.00011	0.00002	0.00000	0.00000	0.00409
WEST-SOUTHWEST	0.00171	0.00145	0.00108	0.00043	0.00013	0.00001	0.00000	0.00000	0.00480
WEST	0.00195	0.00199	0.00163	0.00075	0.00011	0.00001	0.00000	0.00000	0.00644
WEST-NORTHWEST	0.00332	0.00540	0.00271	0.00179	0.00044	0.00004	0.00000	0.00000	0.01370
NORTHWEST	0.00318	0.01350	0.00527	0.00173	0.00035	0.00004	0.00000	0.00000	0.02406
NORTH-NORTHWEST	0.00270	0.01414	0.00594	0.00042	0.00006	0.00000	0.00000	0.00000	0.02326
TOTAL:	0.03298	0.08290	0.03044	0.00841	0.00168	0.00016	0.00003	0.00000	0.15660

STATION: 5 EDNA RAILROAD CROSSING

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS F: 10637.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66794.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00162	0.00427	0.00148	0.00018	0.00002	0.00000	0.00000	0.00000	0.00757
NORTH-NORTHEAST	0.00119	0.00166	0.00054	0.00014	0.00003	0.00000	0.00000	0.00000	0.00357
NORTHEAST	0.00061	0.00148	0.00040	0.00026	0.00022	0.00002	0.00000	0.00000	0.00298
EAST-NORTHEAST	0.00093	0.00096	0.00025	0.00014	0.00003	0.00006	0.00000	0.00000	0.00237
EAST	0.00105	0.00192	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.00332
EAST-SOUTHEAST	0.00217	0.00709	0.00239	0.00011	0.00000	0.00000	0.00000	0.00000	0.01176
SOUTHEAST	0.00377	0.01471	0.00281	0.00026	0.00000	0.00000	0.00000	0.00000	0.02155
SOUTH-SOUTHEAST	0.00483	0.01169	0.00132	0.00029	0.00001	0.00000	0.00000	0.00000	0.01814
SOUTH	0.00493	0.00534	0.00079	0.00034	0.00003	0.00000	0.00000	0.00000	0.01142
SOUTH-SOUTHWEST	0.00386	0.00197	0.00054	0.00025	0.00008	0.00005	0.00000	0.00000	0.00676
SOUTHWEST	0.00284	0.00100	0.00056	0.00025	0.00014	0.00004	0.00001	0.00000	0.00484
WEST-SOUTHWEST	0.00305	0.00096	0.00068	0.00033	0.00012	0.00003	0.00000	0.00000	0.00517
WEST	0.00369	0.00162	0.00087	0.00048	0.00004	0.00000	0.00000	0.00000	0.00671
WEST-NORTHWEST	0.00488	0.00532	0.00144	0.00098	0.00022	0.00004	0.00000	0.00000	0.01288
NORTHWEST	0.00479	0.01289	0.00281	0.00095	0.00031	0.00000	0.00000	0.00000	0.02176
NORTH-NORTHWEST	0.00365	0.01134	0.00315	0.00025	0.00007	0.00000	0.00000	0.00000	0.01846
TOTAL:	0.04788	0.08421	0.02032	0.00527	0.00132	0.00024	0.00001	0.00000	0.15925

TABLE 6.15. Continued

STATION: 5 EDNA RAILROAD CROSSING

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS G: 6300.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66794.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00119	0.00219	0.00065	0.00011	0.00003	0.00001	0.00000	0.00000	0.00417
NORTH-NORTHEAST	0.00066	0.00117	0.00033	0.00005	0.00000	0.00001	0.00000	0.00000	0.00222
NORTHEAST	0.00065	0.00099	0.00030	0.00007	0.00004	0.00000	0.00000	0.00000	0.00207
EAST-NORTHEAST	0.00055	0.00069	0.00006	0.00008	0.00000	0.00000	0.00003	0.00000	0.00141
EAST	0.00080	0.00108	0.00009	0.00000	0.00000	0.00000	0.00000	0.00000	0.00197
EAST-SOUTHEAST	0.00157	0.00443	0.00154	0.00005	0.00000	0.00000	0.00000	0.00000	0.00758
SOUTHEAST	0.00210	0.00766	0.00180	0.00004	0.00000	0.00000	0.00000	0.00000	0.01161
SOUTH-SOUTHEAST	0.00324	0.00683	0.00055	0.00010	0.00000	0.00000	0.00000	0.00000	0.01072
SOUTH	0.00347	0.00340	0.00028	0.00006	0.00001	0.00000	0.00000	0.00000	0.00723
SOUTH-SOUTHWEST	0.00295	0.00145	0.00012	0.00014	0.00000	0.00003	0.00000	0.00000	0.00469
SOUTHWEST	0.00285	0.00061	0.00022	0.00016	0.00004	0.00000	0.00003	0.00000	0.00392
WEST-SOUTHWEST	0.00195	0.00058	0.00019	0.00031	0.00004	0.00000	0.00000	0.00000	0.00307
WEST	0.00223	0.00077	0.00034	0.00036	0.00005	0.00000	0.00000	0.00000	0.00374
WEST-NORTHWEST	0.00371	0.00339	0.00062	0.00044	0.00010	0.00000	0.00000	0.00000	0.00826
NORTHWEST	0.00367	0.00650	0.00142	0.00039	0.00004	0.00000	0.00000	0.00000	0.01201
NORTH-NORTHWEST	0.00243	0.00568	0.00142	0.00012	0.00000	0.00000	0.00000	0.00000	0.00965
TOTAL:	0.03400	0.04743	0.00994	0.00249	0.00036	0.00004	0.00006	0.00000	0.09432

TABLE 6.16. Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the 200 East Area Station

STATION: 6 200 EAST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS A: 907.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66526.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00008	0.00058	0.00008	0.00001	0.00000	0.00000	0.00000	0.00000	0.00075
NORTH-NORTHEAST	0.00010	0.00070	0.00025	0.00003	0.00000	0.00000	0.00000	0.00000	0.00107
NORTHEAST	0.00014	0.00073	0.00007	0.00003	0.00000	0.00000	0.00000	0.00000	0.00097
EAST-NORTHEAST	0.00012	0.00080	0.00007	0.00000	0.00000	0.00000	0.00000	0.00000	0.00098
EAST	0.00008	0.00066	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00077
EAST-SOUTHEAST	0.00014	0.00104	0.00006	0.00002	0.00000	0.00000	0.00000	0.00000	0.00126
SOUTHEAST	0.00004	0.00107	0.00029	0.00000	0.00000	0.00000	0.00000	0.00000	0.00141
SOUTH-SOUTHEAST	0.00008	0.00082	0.00026	0.00006	0.00000	0.00000	0.00000	0.00000	0.00122
SOUTH	0.00009	0.00041	0.00010	0.00005	0.00000	0.00000	0.00000	0.00000	0.00065
SOUTH-SOUTHWEST	0.00004	0.00035	0.00009	0.00000	0.00000	0.00000	0.00000	0.00000	0.00047
SOUTHWEST	0.00005	0.00025	0.00017	0.00005	0.00002	0.00000	0.00000	0.00000	0.00054
WEST-SOUTHWEST	0.00006	0.00026	0.00019	0.00020	0.00005	0.00001	0.00000	0.00000	0.00079
WEST	0.00006	0.00024	0.00011	0.00007	0.00001	0.00002	0.00000	0.00000	0.00051
WEST-NORTHWEST	0.00006	0.00033	0.00010	0.00012	0.00006	0.00000	0.00000	0.00000	0.00066
NORTHWEST	0.00004	0.00049	0.00016	0.00014	0.00011	0.00003	0.00000	0.00000	0.00096
NORTH-NORTHWEST	0.00006	0.00047	0.00005	0.00005	0.00000	0.00000	0.00000	0.00000	0.00062
TOTAL:	0.00123	0.00920	0.00207	0.00081	0.00026	0.00006	0.00000	0.00000	0.01363

STATION: 6 200 EAST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS B: 10263.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66526.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00269	0.00756	0.00209	0.00031	0.00002	0.00000	0.00000	0.00000	0.01268
NORTH-NORTHEAST	0.00260	0.00736	0.00202	0.00045	0.00015	0.00003	0.00000	0.00000	0.01262
NORTHEAST	0.00287	0.00570	0.00098	0.00025	0.00009	0.00002	0.00000	0.00000	0.00990
EAST-NORTHEAST	0.00333	0.00624	0.00039	0.00004	0.00000	0.00000	0.00000	0.00000	0.01000
EAST	0.00280	0.00756	0.00045	0.00002	0.00000	0.00000	0.00000	0.00000	0.01083
EAST-SOUTHEAST	0.00233	0.00820	0.00105	0.00002	0.00000	0.00000	0.00000	0.00000	0.01160
SOUTHEAST	0.00169	0.00820	0.00169	0.00014	0.00000	0.00000	0.00000	0.00000	0.01173
SOUTH-SOUTHEAST	0.00094	0.00475	0.00194	0.00033	0.00000	0.00000	0.00000	0.00000	0.00796
SOUTH	0.00071	0.00250	0.00084	0.00020	0.00000	0.00001	0.00000	0.00000	0.00426
SOUTH-SOUTHWEST	0.00065	0.00177	0.00062	0.00030	0.00004	0.00002	0.00000	0.00000	0.00339
SOUTHWEST	0.00077	0.00185	0.00136	0.00072	0.00036	0.00011	0.00000	0.00000	0.00517
WEST-SOUTHWEST	0.00078	0.00227	0.00222	0.00154	0.00078	0.00031	0.00002	0.00000	0.00792
WEST	0.00091	0.00264	0.00186	0.00084	0.00022	0.00012	0.00000	0.00000	0.00659
WEST-NORTHWEST	0.00139	0.00451	0.00350	0.00128	0.00045	0.00007	0.00000	0.00000	0.01121
NORTHWEST	0.00196	0.00740	0.00431	0.00141	0.00071	0.00011	0.00003	0.00000	0.01593
NORTH-NORTHWEST	0.00250	0.00774	0.00197	0.00023	0.00005	0.00000	0.00000	0.00000	0.01250
TOTAL:	0.02892	0.08625	0.02730	0.00809	0.00287	0.00080	0.00005	0.00000	0.15427

TABLE 6.16. Continued

STATION: 6 200 EAST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS C: 9433.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66526.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00188	0.00528	0.00240	0.00035	0.00003	0.00000	0.00000	0.00000	0.00994
NORTH-NORTHEAST	0.00182	0.00497	0.00298	0.00049	0.00014	0.00004	0.00000	0.00000	0.01045
NORTHEAST	0.00168	0.00433	0.00088	0.00032	0.00013	0.00000	0.00000	0.00000	0.00734
EAST-NORTHEAST	0.00228	0.00387	0.00042	0.00005	0.00001	0.00000	0.00000	0.00000	0.00663
EAST	0.00177	0.00445	0.00073	0.00002	0.00000	0.00000	0.00000	0.00000	0.00697
EAST-SOUTHEAST	0.00175	0.00522	0.00105	0.00003	0.00000	0.00000	0.00000	0.00000	0.00806
SOUTHEAST	0.00121	0.00548	0.00156	0.00018	0.00000	0.00000	0.00000	0.00000	0.00843
SOUTH-SOUTHEAST	0.00099	0.00366	0.00149	0.00055	0.00002	0.00000	0.00000	0.00000	0.00670
SOUTH	0.00078	0.00212	0.00091	0.00039	0.00004	0.00002	0.00000	0.00000	0.00427
SOUTH-SOUTHWEST	0.00059	0.00178	0.00082	0.00034	0.00010	0.00007	0.00000	0.00000	0.00370
SOUTHWEST	0.00056	0.00195	0.00189	0.00079	0.00052	0.00011	0.00002	0.00000	0.00584
WEST-SOUTHWEST	0.00051	0.00252	0.00285	0.00178	0.00071	0.00022	0.00004	0.00000	0.00864
WEST	0.00092	0.00304	0.00326	0.00131	0.00034	0.00009	0.00000	0.00000	0.00895
WEST-NORTHWEST	0.00129	0.00539	0.00697	0.00211	0.00053	0.00008	0.00000	0.00000	0.01638
NORTHWEST	0.00193	0.00786	0.00578	0.00167	0.00080	0.00040	0.00002	0.00000	0.01846
NORTH-NORTHWEST	0.00175	0.00672	0.00228	0.00028	0.00001	0.00000	0.00000	0.00000	0.01104
TOTAL:	0.02172	0.06863	0.03627	0.01067	0.00340	0.00102	0.00008	0.00000	0.14179

STATION: 6 200 EAST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS D: 18686.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66526.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00112	0.00330	0.00204	0.00108	0.00012	0.00000	0.00000	0.00000	0.00766
NORTH-NORTHEAST	0.00067	0.00285	0.00212	0.00152	0.00079	0.00006	0.00000	0.00000	0.00801
NORTHEAST	0.00088	0.00317	0.00119	0.00098	0.00025	0.00020	0.00003	0.00000	0.00670
EAST-NORTHEAST	0.00092	0.00311	0.00080	0.00018	0.00002	0.00002	0.00001	0.00000	0.00505
EAST	0.00116	0.00399	0.00133	0.00005	0.00002	0.00000	0.00000	0.00000	0.00654
EAST-SOUTHEAST	0.00118	0.00482	0.00208	0.00017	0.00003	0.00000	0.00000	0.00000	0.00827
SOUTHEAST	0.00092	0.00587	0.00381	0.00046	0.00001	0.00000	0.00000	0.00000	0.01108
SOUTH-SOUTHEAST	0.00098	0.00462	0.00473	0.00138	0.00013	0.00000	0.00000	0.00000	0.01185
SOUTH	0.00084	0.00361	0.00336	0.00134	0.00023	0.00002	0.00000	0.00000	0.00939
SOUTH-SOUTHWEST	0.00070	0.00319	0.00243	0.00198	0.00119	0.00040	0.00003	0.00000	0.00992
SOUTHWEST	0.00075	0.00370	0.00385	0.00457	0.00312	0.00142	0.00014	0.00000	0.01755
WEST-SOUTHWEST	0.00092	0.00512	0.00863	0.00743	0.00456	0.00146	0.00014	0.00000	0.02827
WEST	0.00109	0.00735	0.01468	0.00740	0.00146	0.00037	0.00000	0.00000	0.03236
WEST-NORTHWEST	0.00113	0.01079	0.02796	0.02068	0.00790	0.00130	0.00003	0.00000	0.06979
NORTHWEST	0.00097	0.00866	0.01272	0.00949	0.00502	0.00152	0.00010	0.00000	0.03847
NORTH-NORTHWEST	0.00105	0.00500	0.00309	0.00070	0.00011	0.00001	0.00001	0.00000	0.00998
TOTAL:	0.01529	0.07916	0.09482	0.05941	0.02495	0.00678	0.00048	0.00000	0.28088

TABLE 6.16. Continued

STATION: 6 200 EAST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS E: 10520.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66526.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25	32 - 38	>38	
NORTH	0.00055	0.00153	0.00102	0.00036	0.00000	0.00000	0.00000	0.00000	0.00346
NORTH-NORTHEAST	0.00071	0.00131	0.00085	0.00031	0.00001	0.00000	0.00000	0.00000	0.00319
NORTHEAST	0.00039	0.00091	0.00044	0.00006	0.00000	0.00000	0.00000	0.00000	0.00181
EAST-NORTHEAST	0.00052	0.00106	0.00016	0.00003	0.00001	0.00003	0.00000	0.00000	0.00180
EAST	0.00048	0.00129	0.00030	0.00000	0.00001	0.00000	0.00000	0.00000	0.00208
EAST-SOUTHEAST	0.00056	0.00242	0.00068	0.00007	0.00000	0.00000	0.00000	0.00000	0.00373
SOUTHEAST	0.00066	0.00331	0.00166	0.00011	0.00000	0.00000	0.00000	0.00000	0.00574
SOUTH-SOUTHEAST	0.00076	0.00361	0.00279	0.00043	0.00004	0.00001	0.00000	0.00000	0.00765
SOUTH	0.00099	0.00269	0.00163	0.00037	0.00010	0.00001	0.00000	0.00000	0.00579
SOUTH-SOUTHWEST	0.00063	0.00209	0.00096	0.00037	0.00012	0.00005	0.00000	0.00000	0.00423
SOUTHWEST	0.00090	0.00282	0.00142	0.00082	0.00039	0.00009	0.00002	0.00000	0.00645
WEST-SOUTHWEST	0.00077	0.00466	0.00473	0.00187	0.00067	0.00012	0.00000	0.00000	0.01281
WEST	0.00099	0.00826	0.01244	0.00324	0.00022	0.00003	0.00000	0.00000	0.02519
WEST-NORTHWEST	0.00091	0.01213	0.02585	0.00831	0.00157	0.00019	0.00000	0.00000	0.04896
NORTHWEST	0.00086	0.00838	0.00752	0.00248	0.00078	0.00016	0.00002	0.00000	0.02020
NORTH-NORTHWEST	0.00082	0.00302	0.00108	0.00009	0.00001	0.00000	0.00000	0.00000	0.00503
TOTAL:	0.01151	0.05950	0.06354	0.01892	0.00394	0.00069	0.00003	0.00000	0.15813

STATION: 6 200 EAST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS F: 10617.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66526.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00136	0.00240	0.00051	0.00021	0.00003	0.00000	0.00000	0.00000	0.00452
NORTH-NORTHEAST	0.00133	0.00216	0.00054	0.00019	0.00006	0.00001	0.00000	0.00000	0.00430
NORTHEAST	0.00113	0.00234	0.00033	0.00005	0.00003	0.00000	0.00000	0.00000	0.00388
EAST-NORTHEAST	0.00150	0.00201	0.00013	0.00001	0.00003	0.00000	0.00000	0.00000	0.00368
EAST	0.00187	0.00293	0.00037	0.00004	0.00002	0.00000	0.00000	0.00000	0.00523
EAST-SOUTHEAST	0.00204	0.00422	0.00069	0.00001	0.00000	0.00000	0.00000	0.00000	0.00697
SOUTHEAST	0.00172	0.00593	0.00143	0.00015	0.00000	0.00000	0.00000	0.00000	0.00922
SOUTH-SOUTHEAST	0.00149	0.00558	0.00202	0.00026	0.00002	0.00000	0.00000	0.00000	0.00937
SOUTH	0.00124	0.00335	0.00107	0.00018	0.00009	0.00000	0.00000	0.00000	0.00592
SOUTH-SOUTHWEST	0.00122	0.00246	0.00073	0.00031	0.00013	0.00005	0.00000	0.00001	0.00492
SOUTHWEST	0.00157	0.00312	0.00107	0.00065	0.00040	0.00012	0.00005	0.00000	0.00697
WEST-SOUTHWEST	0.00151	0.00509	0.00272	0.00099	0.00041	0.00007	0.00000	0.00000	0.01079
WEST	0.00192	0.01016	0.00863	0.00146	0.00010	0.00000	0.00000	0.00000	0.02228
WEST-NORTHWEST	0.00238	0.01410	0.01530	0.00438	0.00080	0.00016	0.00000	0.00000	0.03712
NORTHWEST	0.00230	0.00900	0.00427	0.00111	0.00069	0.00013	0.00000	0.00000	0.01750
NORTH-NORTHWEST	0.00199	0.00407	0.00072	0.00009	0.00005	0.00000	0.00000	0.00000	0.00692
TOTAL:	0.02658	0.07893	0.04053	0.01009	0.00287	0.00054	0.00005	0.00002	0.15959

TABLE 6.16. Continued

STATION: 6 200 EAST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS G: 6100.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66526.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00110	0.00179	0.00023	0.00011	0.00000	0.00002	0.00000	0.00000	0.00325
NORTH-NORTHEAST	0.00114	0.00154	0.00018	0.00006	0.00001	0.00002	0.00000	0.00000	0.00297
NORTHEAST	0.00114	0.00167	0.00007	0.00003	0.00005	0.00000	0.00000	0.00000	0.00295
EAST-NORTHEAST	0.00125	0.00138	0.00005	0.00000	0.00003	0.00000	0.00000	0.00000	0.00272
EAST	0.00146	0.00219	0.00016	0.00001	0.00001	0.00000	0.00000	0.00000	0.00383
EAST-SOUTHEAST	0.00166	0.00365	0.00033	0.00002	0.00000	0.00000	0.00000	0.00000	0.00566
SOUTHEAST	0.00142	0.00382	0.00078	0.00005	0.00000	0.00000	0.00000	0.00000	0.00607
SOUTH-SOUTHEAST	0.00120	0.00329	0.00100	0.00009	0.00002	0.00000	0.00000	0.00000	0.00560
SOUTH	0.00099	0.00211	0.00034	0.00005	0.00002	0.00000	0.00000	0.00000	0.00352
SOUTH-SOUTHWEST	0.00104	0.00160	0.00021	0.00005	0.00005	0.00005	0.00003	0.00000	0.00304
SOUTHWEST	0.00128	0.00166	0.00048	0.00029	0.00019	0.00005	0.00003	0.00000	0.00399
WEST-SOUTHWEST	0.00133	0.00279	0.00106	0.00053	0.00030	0.00000	0.00000	0.00000	0.00601
WEST	0.00163	0.00436	0.00327	0.00055	0.00002	0.00000	0.00000	0.00000	0.00983
WEST-NORTHWEST	0.00204	0.00832	0.00602	0.00165	0.00027	0.00003	0.00000	0.00000	0.01833
NORTHWEST	0.00237	0.00457	0.00167	0.00069	0.00011	0.00002	0.00000	0.00000	0.00943
NORTH-NORTHWEST	0.00189	0.00229	0.00022	0.00008	0.00002	0.00000	0.00000	0.00000	0.00450
TOTAL:	0.02294	0.04705	0.01608	0.00425	0.00111	0.00020	0.00006	0.00000	0.09169

TABLE 6.17. Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the 200 West Area Station

STATION: 7 200 WEST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS A: 754.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 52719.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00017	0.00089	0.00013	0.00000	0.00000	0.00000	0.00000	0.00000	0.00119
NORTH-NORTHEAST	0.00025	0.00050	0.00014	0.00000	0.00000	0.00000	0.00000	0.00000	0.00090
NORTHEAST	0.00018	0.00039	0.00008	0.00000	0.00000	0.00000	0.00000	0.00000	0.00065
EAST-NORTHEAST	0.00019	0.00030	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00051
EAST	0.00019	0.00034	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00056
EAST-SOUTHEAST	0.00013	0.00051	0.00010	0.00000	0.00000	0.00000	0.00000	0.00000	0.00074
SOUTHEAST	0.00017	0.00072	0.00006	0.00000	0.00000	0.00000	0.00000	0.00000	0.00095
SOUTH-SOUTHEAST	0.00012	0.00062	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00074
SOUTH	0.00011	0.00058	0.00004	0.00003	0.00000	0.00000	0.00000	0.00000	0.00076
SOUTH-SOUTHWEST	0.00005	0.00070	0.00014	0.00003	0.00000	0.00000	0.00000	0.00000	0.00092
SOUTHWEST	0.00006	0.00047	0.00018	0.00003	0.00006	0.00000	0.00000	0.00000	0.00080
WEST-SOUTHWEST	0.00003	0.00062	0.00048	0.00022	0.00005	0.00001	0.00000	0.00000	0.00141
WEST	0.00004	0.00046	0.00024	0.00016	0.00001	0.00001	0.00000	0.00000	0.00092
WEST-NORTHWEST	0.00004	0.00027	0.00008	0.00005	0.00006	0.00000	0.00000	0.00000	0.00051
NORTHWEST	0.00006	0.00082	0.00022	0.00020	0.00012	0.00000	0.00000	0.00000	0.00143
NORTH-NORTHWEST	0.00014	0.00097	0.00012	0.00008	0.00003	0.00000	0.00000	0.00000	0.00133
TOTAL:	0.00192	0.00916	0.00207	0.00080	0.00034	0.00002	0.00000	0.00000	0.01430

STATION: 7 200 WEST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS B: 8268.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 52719.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00294	0.01072	0.00254	0.00019	0.00000	0.00000	0.00000	0.00000	0.01640
NORTH-NORTHEAST	0.00367	0.00588	0.00117	0.00039	0.00002	0.00000	0.00000	0.00000	0.01112
NORTHEAST	0.00255	0.00337	0.00054	0.00005	0.00002	0.00002	0.00000	0.00000	0.00654
EAST-NORTHEAST	0.00312	0.00306	0.00014	0.00002	0.00000	0.00000	0.00000	0.00000	0.00634
EAST	0.00266	0.00359	0.00022	0.00000	0.00000	0.00000	0.00000	0.00000	0.00646
EAST-SOUTHEAST	0.00275	0.00417	0.00022	0.00000	0.00000	0.00000	0.00000	0.00000	0.00707
SOUTHEAST	0.00266	0.00519	0.00051	0.00002	0.00000	0.00000	0.00000	0.00000	0.00838
SOUTH-SOUTHEAST	0.00279	0.00478	0.00035	0.00004	0.00000	0.00000	0.00000	0.00000	0.00776
SOUTH	0.00235	0.00310	0.00028	0.00014	0.00003	0.00000	0.00000	0.00000	0.00590
SOUTH-SOUTHWEST	0.00184	0.00280	0.00079	0.00039	0.00012	0.00000	0.00000	0.00000	0.00595
SOUTHWEST	0.00175	0.00368	0.00195	0.00085	0.00030	0.00007	0.00000	0.00000	0.00860
WEST-SOUTHWEST	0.00173	0.00342	0.00310	0.00247	0.00044	0.00021	0.00000	0.00000	0.01137
WEST	0.00149	0.00319	0.00241	0.00109	0.00020	0.00012	0.00000	0.00000	0.00850
WEST-NORTHWEST	0.00162	0.00379	0.00153	0.00068	0.00016	0.00002	0.00000	0.00000	0.00780
NORTHWEST	0.00193	0.00655	0.00569	0.00200	0.00059	0.00014	0.00000	0.00000	0.01690
NORTH-NORTHWEST	0.00230	0.01169	0.00644	0.00093	0.00017	0.00000	0.00000	0.00000	0.02153
TOTAL:	0.03815	0.07891	0.02788	0.00928	0.00705	0.00057	0.00000	0.00000	0.15683

TABLE 6.17. Continued

STATION: 7 200 WEST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS C: 7495.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 52719.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00220	0.00734	0.00224	0.00021	0.00003	0.00000	0.00000	0.00000	0.01202
NORTH-NORTHEAST	0.00179	0.00393	0.00179	0.00031	0.00012	0.00000	0.00000	0.00000	0.00794
NORTHEAST	0.00176	0.00242	0.00037	0.00019	0.00006	0.00000	0.00000	0.00000	0.00481
EAST-NORTHEAST	0.00127	0.00161	0.00018	0.00003	0.00000	0.00000	0.00000	0.00000	0.00310
EAST	0.00162	0.00206	0.00022	0.00003	0.00000	0.00000	0.00000	0.00000	0.00393
EAST-SOUTHEAST	0.00199	0.00271	0.00045	0.00003	0.00000	0.00000	0.00000	0.00000	0.00518
SOUTHEAST	0.00216	0.00338	0.00099	0.00008	0.00000	0.00000	0.00000	0.00000	0.00661
SOUTH-SOUTHEAST	0.00215	0.00313	0.00051	0.00008	0.00000	0.00000	0.00000	0.00000	0.00587
SOUTH	0.00178	0.00235	0.00040	0.00017	0.00001	0.00000	0.00000	0.00000	0.00471
SOUTH-SOUTHWEST	0.00185	0.00210	0.00123	0.00051	0.00018	0.00000	0.00000	0.00000	0.00588
SOUTHWEST	0.00227	0.00242	0.00227	0.00098	0.00039	0.00005	0.00000	0.00000	0.00839
WEST-SOUTHWEST	0.00231	0.00378	0.00409	0.00262	0.00062	0.00020	0.00002	0.00000	0.01364
WEST	0.00221	0.00375	0.00363	0.00137	0.00033	0.00008	0.00000	0.00000	0.01136
WEST-NORTHWEST	0.00203	0.00499	0.00287	0.00056	0.00009	0.00002	0.00000	0.00000	0.01056
NORTHWEST	0.00202	0.00727	0.00748	0.00236	0.00093	0.00031	0.00000	0.00000	0.02038
NORTH-NORTHWEST	0.00219	0.00873	0.00586	0.00090	0.00013	0.00000	0.00000	0.00000	0.01782
TOTAL:	0.03160	0.06199	0.03456	0.01043	0.00290	0.00066	0.00002	0.00000	0.14217

STATION: 7 200 WEST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS D: 14933.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 52719.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00183	0.00530	0.00251	0.00063	0.00004	0.00000	0.00000	0.00000	0.01031
NORTH-NORTHEAST	0.00133	0.00267	0.00175	0.00175	0.00048	0.00000	0.00000	0.00000	0.00797
NORTHEAST	0.00090	0.00210	0.00065	0.00097	0.00025	0.00000	0.00000	0.00000	0.00486
EAST-NORTHEAST	0.00093	0.00156	0.00031	0.00008	0.00001	0.00000	0.00000	0.00000	0.00288
EAST	0.00108	0.00173	0.00037	0.00001	0.00001	0.00000	0.00000	0.00000	0.00321
EAST-SOUTHEAST	0.00149	0.00299	0.00115	0.00011	0.00000	0.00000	0.00000	0.00000	0.00573
SOUTHEAST	0.00166	0.00443	0.00230	0.00019	0.00000	0.00000	0.00000	0.00000	0.00857
SOUTH-SOUTHEAST	0.00185	0.00368	0.00136	0.00050	0.00000	0.00000	0.00000	0.00000	0.00738
SOUTH	0.00206	0.00235	0.00132	0.00063	0.00001	0.00000	0.00000	0.00000	0.00636
SOUTH-SOUTHWEST	0.00209	0.00255	0.00260	0.00191	0.00077	0.00019	0.00000	0.00000	0.01010
SOUTHWEST	0.00264	0.00470	0.00432	0.00489	0.00400	0.00054	0.00000	0.00000	0.02116
WEST-SOUTHWEST	0.00326	0.00788	0.00803	0.00876	0.00362	0.00070	0.00003	0.00000	0.03228
WEST	0.00436	0.01540	0.01355	0.00537	0.00106	0.00028	0.00000	0.00000	0.04000
WEST-NORTHWEST	0.00397	0.02323	0.01831	0.00626	0.00108	0.00010	0.00000	0.00000	0.05295
NORTHWEST	0.00275	0.01311	0.01447	0.01341	0.00698	0.00106	0.00000	0.00000	0.05178
NORTH-NORTHWEST	0.00178	0.00755	0.00576	0.00219	0.00038	0.00005	0.00000	0.00000	0.01771
TOTAL:	0.03397	0.10122	0.07874	0.04763	0.01866	0.00292	0.00011	0.00000	0.28326

TABLE 6.17. Continued

STATION: 7 200 WEST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS E: 8444.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 52719.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00133	0.00259	0.00087	0.00012	0.00000	0.00000	0.00000	0.00001	0.00492
NORTH-NORTHEAST	0.00096	0.00114	0.00082	0.00012	0.00002	0.00000	0.00000	0.00001	0.00305
NORTHEAST	0.00065	0.00078	0.00026	0.00003	0.00000	0.00000	0.00000	0.00000	0.00172
EAST-NORTHEAST	0.00064	0.00061	0.00012	0.00002	0.00000	0.00000	0.00000	0.00000	0.00139
EAST	0.00063	0.00075	0.00014	0.00001	0.00000	0.00000	0.00000	0.00000	0.00154
EAST-SOUTHEAST	0.00086	0.00146	0.00059	0.00004	0.00000	0.00000	0.00000	0.00000	0.00295
SOUTHEAST	0.00147	0.00270	0.00057	0.00010	0.00000	0.00000	0.00000	0.00000	0.00484
SOUTH-SOUTHEAST	0.00156	0.00176	0.00060	0.00003	0.00000	0.00000	0.00000	0.00000	0.00395
SOUTH	0.00168	0.00135	0.00040	0.00012	0.00000	0.00000	0.00000	0.00000	0.00355
SOUTH-SOUTHWEST	0.00234	0.00170	0.00072	0.00027	0.00017	0.00002	0.00000	0.00000	0.00521
SOUTHWEST	0.00264	0.00243	0.00133	0.00098	0.00039	0.00008	0.00000	0.00000	0.00785
WEST-SOUTHWEST	0.00387	0.00651	0.00301	0.00158	0.00039	0.00000	0.00000	0.00000	0.01537
WEST	0.00465	0.01548	0.00639	0.00107	0.00009	0.00000	0.00000	0.00000	0.02768
WEST-NORTHWEST	0.00494	0.02362	0.01008	0.00187	0.00023	0.00000	0.00000	0.00000	0.04075
NORTHWEST	0.00371	0.01068	0.00723	0.00248	0.00083	0.00011	0.00000	0.00000	0.02504
NORTH-NORTHWEST	0.00227	0.00494	0.00272	0.00038	0.00003	0.00000	0.00000	0.00000	0.01035
TOTAL:	0.03422	0.07851	0.03585	0.00922	0.00214	0.00021	0.00000	0.00002	0.16017

STATION: 7 200 WEST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS F: 8227.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 52719.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00222	0.00291	0.00079	0.00005	0.00000	0.00000	0.00000	0.00000	0.00597
NORTH-NORTHEAST	0.00176	0.00186	0.00049	0.00011	0.00003	0.00000	0.00000	0.00000	0.00425
NORTHEAST	0.00142	0.00100	0.00008	0.00004	0.00000	0.00000	0.00000	0.00000	0.00254
EAST-NORTHEAST	0.00115	0.00072	0.00007	0.00000	0.00000	0.00000	0.00000	0.00000	0.00193
EAST	0.00125	0.00101	0.00007	0.00002	0.00000	0.00000	0.00000	0.00000	0.00235
EAST-SOUTHEAST	0.00154	0.00195	0.00034	0.00000	0.00000	0.00000	0.00000	0.00000	0.00383
SOUTHEAST	0.00232	0.00323	0.00041	0.00004	0.00000	0.00000	0.00000	0.00000	0.00601
SOUTH-SOUTHEAST	0.00296	0.00221	0.00032	0.00007	0.00000	0.00000	0.00000	0.00000	0.00355
SOUTH	0.00307	0.00178	0.00031	0.00011	0.00000	0.00000	0.00000	0.00000	0.00528
SOUTH-SOUTHWEST	0.00414	0.00214	0.00064	0.00027	0.00017	0.00007	0.00002	0.00000	0.00745
SOUTHWEST	0.00502	0.00280	0.00090	0.00072	0.00028	0.00005	0.00000	0.00000	0.00977
WEST-SOUTHWEST	0.00550	0.00589	0.00162	0.00088	0.00020	0.00002	0.00000	0.00000	0.01411
WEST	0.00646	0.01229	0.00408	0.00058	0.00004	0.00000	0.00000	0.00000	0.02344
WEST-NORTHWEST	0.00723	0.01784	0.00611	0.00097	0.00016	0.00000	0.00000	0.00000	0.03231
NORTHWEST	0.00460	0.01009	0.00385	0.00174	0.00060	0.00006	0.00000	0.00000	0.02093
NORTH-NORTHWEST	0.00358	0.00478	0.00176	0.00018	0.00002	0.00000	0.00000	0.00000	0.01033
TOTAL:	0.05421	0.07250	0.02183	0.00579	0.00152	0.00019	0.00002	0.00000	0.15605

TABLE 6.17. Continued

STATION: 7 200 WEST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS G: 4598.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 52719.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00155	0.00217	0.00021	0.00005	0.00000	0.00000	0.00000	0.00000	0.00393
NORTH-NORTHEAST	0.00104	0.00102	0.00012	0.00004	0.00000	0.00000	0.00000	0.00000	0.00221
NORTHEAST	0.00099	0.00051	0.00008	0.00006	0.00002	0.00000	0.00000	0.00000	0.00166
EAST-NORTHEAST	0.00073	0.00046	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00120
EAST	0.00090	0.00058	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00151
EAST-SOUTHEAST	0.00129	0.00124	0.00021	0.00000	0.00000	0.00000	0.00000	0.00000	0.00274
SOUTHEAST	0.00173	0.00194	0.00036	0.00000	0.00000	0.00000	0.00000	0.00000	0.00404
SOUTH-SOUTHEAST	0.00188	0.00123	0.00011	0.00000	0.00000	0.00000	0.00000	0.00000	0.00321
SOUTH	0.00204	0.00095	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000	0.00311
SOUTH-SOUTHWEST	0.00257	0.00097	0.00015	0.00007	0.00004	0.00007	0.00000	0.00000	0.00387
SOUTHWEST	0.00381	0.00164	0.00040	0.00047	0.00019	0.00006	0.00000	0.00000	0.00657
WEST-SOUTHWEST	0.00462	0.00276	0.00077	0.00060	0.00015	0.00002	0.00000	0.00000	0.00893
WEST	0.00422	0.00511	0.00164	0.00028	0.00000	0.00000	0.00000	0.00000	0.01124
WEST-NORTHWEST	0.00415	0.00903	0.00216	0.00030	0.00005	0.00000	0.00000	0.00000	0.01568
NORTHWEST	0.00334	0.00563	0.00189	0.00083	0.00008	0.00000	0.00000	0.00000	0.01176
NORTH-NORTHWEST	0.00223	0.00266	0.00048	0.00018	0.00002	0.00000	0.00000	0.00000	0.00556
TOTAL:	0.03708	0.03782	0.00871	0.00290	0.00055	0.00015	0.00000	0.00000	0.08722

TABLE 6.18. Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the Fast Flux Test Facility Station

STATION: 9 FAST FLUX TEST FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS A: 904.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66572.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00003	0.00027	0.00015	0.00002	0.00001	0.00000	0.00000	0.00000	0.00047
NORTH-NORTHEAST	0.00004	0.00047	0.00034	0.00006	0.00000	0.00000	0.00000	0.00000	0.00090
NORTHEAST	0.00000	0.00050	0.00025	0.00005	0.00000	0.00000	0.00000	0.00000	0.00080
EAST-NORTHEAST	0.00000	0.00044	0.00012	0.00000	0.00000	0.00000	0.00000	0.00000	0.00055
EAST	0.00002	0.00048	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00055
EAST-SOUTHEAST	0.00001	0.00074	0.00009	0.00000	0.00000	0.00000	0.00000	0.00000	0.00084
SOUTHEAST	0.00002	0.00073	0.00014	0.00003	0.00000	0.00000	0.00000	0.00000	0.00091
SOUTH-SOUTHEAST	0.00003	0.00055	0.00045	0.00002	0.00000	0.00000	0.00000	0.00000	0.00105
SOUTH	0.00006	0.00050	0.00114	0.00029	0.00000	0.00000	0.00000	0.00000	0.00199
SOUTH-SOUTHWEST	0.00001	0.00054	0.00132	0.00085	0.00020	0.00000	0.00000	0.00000	0.00292
SOUTHWEST	0.00000	0.00022	0.00030	0.00025	0.00011	0.00002	0.00000	0.00000	0.00089
WEST-SOUTHWEST	0.00002	0.00009	0.00005	0.00008	0.00005	0.00000	0.00000	0.00000	0.00030
WEST	0.00002	0.00011	0.00014	0.00004	0.00000	0.00001	0.00000	0.00000	0.00032
WEST-NORTHWEST	0.00001	0.00012	0.00014	0.00003	0.00002	0.00001	0.00000	0.00000	0.00032
NORTHWEST	0.00002	0.00016	0.00009	0.00006	0.00005	0.00000	0.00000	0.00000	0.00038
NORTH-NORTHWEST	0.00002	0.00020	0.00017	0.00000	0.00001	0.00000	0.00000	0.00000	0.00040
TOTAL:	0.00030	0.00611	0.00493	0.00177	0.00044	0.00003	0.00000	0.00000	0.01358

STATION: 9 FAST FLUX TEST FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS B: 10200.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66572.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00080	0.00416	0.00364	0.00100	0.00007	0.00002	0.00000	0.00000	0.00969
NORTH-NORTHEAST	0.00099	0.00565	0.00404	0.00080	0.00022	0.00002	0.00000	0.00000	0.01172
NORTHEAST	0.00103	0.00502	0.00245	0.00038	0.00006	0.00002	0.00000	0.00000	0.00896
EAST-NORTHEAST	0.00097	0.00396	0.00083	0.00007	0.00003	0.00000	0.00000	0.00000	0.00585
EAST	0.00079	0.00359	0.00067	0.00001	0.00000	0.00000	0.00000	0.00000	0.00506
EAST-SOUTHEAST	0.00119	0.00475	0.00109	0.00005	0.00000	0.00000	0.00000	0.00000	0.00708
SOUTHEAST	0.00111	0.00635	0.00197	0.00017	0.00002	0.00000	0.00000	0.00000	0.00962
SOUTH-SOUTHEAST	0.00080	0.00694	0.00402	0.00046	0.00000	0.00000	0.00000	0.00000	0.01222
SOUTH	0.00094	0.00657	0.00817	0.00242	0.00022	0.00002	0.00000	0.00000	0.01834
SOUTH-SOUTHWEST	0.00092	0.00515	0.00933	0.00842	0.00129	0.00015	0.00004	0.00000	0.02532
SOUTHWEST	0.00077	0.00289	0.00238	0.00256	0.00103	0.00031	0.00005	0.00000	0.01000
WEST-SOUTHWEST	0.00072	0.00163	0.00092	0.00088	0.00044	0.00011	0.00004	0.00000	0.00474
WEST	0.00061	0.00184	0.00103	0.00061	0.00017	0.00011	0.00001	0.00000	0.00438
WEST-NORTHWEST	0.00059	0.00249	0.00140	0.00080	0.00018	0.00003	0.00002	0.00000	0.00550
NORTHWEST	0.00080	0.00289	0.00206	0.00074	0.00023	0.00003	0.00000	0.00000	0.00676
NORTH-NORTHWEST	0.00086	0.00346	0.00273	0.00089	0.00005	0.00000	0.00000	0.00000	0.00799
TOTAL:	0.01392	0.06734	0.04672	0.02026	0.00400	0.00083	0.00015	0.00000	0.15322

TABLE 6.18. Continued

STATION: 9 FAST FLUX TEST FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS C: 9417.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66572.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00078	0.00466	0.00361	0.00117	0.00008	0.00002	0.00000	0.00000	0.01032
NORTH-NORTHEAST	0.00087	0.00425	0.00346	0.00114	0.00019	0.00002	0.00000	0.00000	0.00994
NORTHEAST	0.00063	0.00428	0.00185	0.00024	0.00010	0.00003	0.00000	0.00000	0.00714
EAST-NORTHEAST	0.00081	0.00332	0.00083	0.00011	0.00003	0.00000	0.00000	0.00000	0.00509
EAST	0.00060	0.00244	0.00082	0.00000	0.00000	0.00000	0.00000	0.00000	0.00385
EAST-SOUTHEAST	0.00090	0.00295	0.00104	0.00007	0.00002	0.00000	0.00000	0.00000	0.00497
SOUTHEAST	0.00085	0.00467	0.00206	0.00020	0.00000	0.00000	0.00000	0.00000	0.00778
SOUTH-SOUTHEAST	0.00097	0.00498	0.00443	0.00056	0.00003	0.00001	0.00000	0.00000	0.01096
SOUTH	0.00096	0.00470	0.00559	0.00223	0.00011	0.00006	0.00000	0.00000	0.01364
SOUTH-SOUTHWEST	0.00094	0.00398	0.00745	0.00744	0.00136	0.00019	0.00004	0.00000	0.02140
SOUTHWEST	0.00080	0.00227	0.00256	0.00320	0.00125	0.00053	0.00010	0.00000	0.01070
WEST-SOUTHWEST	0.00064	0.00125	0.00150	0.00131	0.00053	0.00017	0.00002	0.00000	0.00541
WEST	0.00060	0.00143	0.00120	0.00086	0.00035	0.00004	0.00002	0.00000	0.00451
WEST-NORTHWEST	0.00053	0.00263	0.00208	0.00060	0.00018	0.00004	0.00002	0.00000	0.00608
NORTHWEST	0.00073	0.00313	0.00372	0.00118	0.00042	0.00011	0.00005	0.00000	0.00934
NORTH-NORTHWEST	0.00091	0.00450	0.00373	0.00106	0.00011	0.00001	0.00000	0.00000	0.01033
TOTAL:	0.01251	0.05544	0.04594	0.02136	0.00475	0.00122	0.00024	0.00000	0.14146

STATION: 9 FAST FLUX TEST FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS D: 18554.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66572.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00072	0.00529	0.00396	0.00127	0.00016	0.00003	0.00000	0.00000	0.01143
NORTH-NORTHEAST	0.00071	0.00469	0.00324	0.00122	0.00079	0.00022	0.00000	0.00000	0.01088
NORTHEAST	0.00060	0.00281	0.00194	0.00125	0.00034	0.00022	0.00012	0.00000	0.00728
EAST-NORTHEAST	0.00057	0.00237	0.00125	0.00025	0.00005	0.00004	0.00000	0.00000	0.00453
EAST	0.00063	0.00290	0.00109	0.00013	0.00002	0.00000	0.00000	0.00000	0.00476
EAST-SOUTHEAST	0.00074	0.00373	0.00168	0.00018	0.00000	0.00000	0.00000	0.00000	0.00632
SOUTHEAST	0.00064	0.00496	0.00431	0.00061	0.00002	0.00000	0.00000	0.00000	0.01053
SOUTH-SOUTHEAST	0.00071	0.00647	0.00999	0.00167	0.00008	0.00000	0.00000	0.00000	0.01892
SOUTH	0.00070	0.00731	0.01118	0.00407	0.00052	0.00003	0.00000	0.00000	0.02381
SOUTH-SOUTHWEST	0.00107	0.00754	0.01306	0.01326	0.00375	0.0024	0.00018	0.00001	0.04011
SOUTHWEST	0.00103	0.00532	0.00627	0.00782	0.00539	0.00272	0.00059	0.00005	0.02919
WEST-SOUTHWEST	0.00080	0.00374	0.00405	0.00408	0.00259	0.00097	0.00003	0.00000	0.01625
WEST	0.00077	0.00422	0.00569	0.00326	0.00115	0.00020	0.00000	0.00000	0.01530
WEST-NORTHWEST	0.00097	0.00536	0.01168	0.00680	0.00229	0.00026	0.00000	0.00000	0.02735
NORTHWEST	0.00079	0.00589	0.01538	0.00915	0.00347	0.00100	0.00008	0.00000	0.03575
NORTH-NORTHWEST	0.00072	0.00600	0.00680	0.00240	0.00037	0.00000	0.00000	0.00000	0.01630
TOTAL:	0.01215	0.07861	0.10153	0.05744	0.02098	0.00694	0.00099	0.00006	0.27871

TABLE 6.18. Continued

STATION: 9 FAST FLUX TEST FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS E: 10485.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66572.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00071	0.00490	0.00259	0.00029	0.00001	0.00000	0.00000	0.00000	0.00851
NORTH-NORTHEAST	0.00057	0.00382	0.00222	0.00033	0.00009	0.00000	0.00000	0.00000	0.00704
NORTHEAST	0.00041	0.00232	0.00089	0.00026	0.00002	0.00002	0.00000	0.00000	0.00391
EAST-NORTHEAST	0.00039	0.00136	0.00029	0.00000	0.00003	0.00001	0.00000	0.00000	0.00208
EAST	0.00044	0.00124	0.00020	0.00001	0.00000	0.00000	0.00000	0.00000	0.00188
EAST-SOUTHEAST	0.00056	0.00188	0.00044	0.00002	0.00000	0.00000	0.00000	0.00000	0.00289
SOUTHEAST	0.00075	0.00280	0.00229	0.00029	0.00000	0.00002	0.00000	0.00000	0.00613
SOUTH-SOUTHEAST	0.00056	0.00427	0.00697	0.00112	0.00001	0.00000	0.00000	0.00000	0.01293
SOUTH	0.00070	0.00499	0.00703	0.00191	0.00015	0.00000	0.00000	0.00000	0.01478
SOUTH-SOUTHWEST	0.00086	0.00493	0.00700	0.00460	0.00100	0.00015	0.00004	0.00001	0.01858
SOUTHWEST	0.00114	0.00368	0.00315	0.00223	0.00101	0.00032	0.00006	0.00002	0.01161
WEST-SOUTHWEST	0.00085	0.00318	0.00179	0.00100	0.00021	0.00002	0.00002	0.00000	0.00706
WEST	0.00084	0.00365	0.00271	0.00085	0.00017	0.00001	0.00000	0.00000	0.00823
WEST-NORTHWEST	0.00065	0.00490	0.00746	0.00254	0.00049	0.00003	0.00001	0.00000	0.01608
NORTHWEST	0.00056	0.00680	0.01173	0.00317	0.00047	0.00012	0.00000	0.00002	0.02287
NORTH-NORTHWEST	0.00084	0.00523	0.00545	0.00133	0.00005	0.00000	0.00000	0.00000	0.01290
TOTAL:	0.01082	0.05995	0.06220	0.01995	0.00371	0.00069	0.00014	0.00005	0.15750

STATION: 9 FAST FLUX TEST FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS F: 10736.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66572.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00116	0.00523	0.00188	0.00018	0.00001	0.00000	0.00000	0.00000	0.00846
NORTH-NORTHEAST	0.00091	0.00502	0.00199	0.00033	0.00007	0.00002	0.00000	0.00000	0.00833
NORTHEAST	0.00077	0.00341	0.00102	0.00007	0.00003	0.00000	0.00000	0.00000	0.00530
EAST-NORTHEAST	0.00074	0.00169	0.00034	0.00005	0.00002	0.00000	0.00000	0.00000	0.00284
EAST	0.00074	0.00186	0.00026	0.00002	0.00002	0.00000	0.00000	0.00000	0.00290
EAST-SOUTHEAST	0.00102	0.00266	0.00035	0.00000	0.00001	0.00000	0.00000	0.00000	0.00403
SOUTHEAST	0.00096	0.00381	0.00211	0.00022	0.00000	0.00000	0.00000	0.00000	0.00710
SOUTH-SOUTHEAST	0.00094	0.00651	0.00850	0.00126	0.00002	0.00000	0.00000	0.00000	0.01723
SOUTH	0.00126	0.00706	0.00766	0.00235	0.00011	0.00002	0.00000	0.00000	0.01846
SOUTH-SOUTHWEST	0.00146	0.00627	0.00651	0.00421	0.00076	0.00016	0.00005	0.00001	0.01943
SOUTHWEST	0.00150	0.00379	0.00232	0.00196	0.00069	0.00032	0.00010	0.00000	0.01067
WEST-SOUTHWEST	0.00111	0.00267	0.00091	0.00074	0.00023	0.00001	0.00000	0.00000	0.00567
WEST	0.00078	0.00348	0.00133	0.00044	0.00005	0.00000	0.00000	0.00000	0.00608
WEST-NORTHWEST	0.00120	0.00599	0.00455	0.00126	0.00027	0.00004	0.00000	0.00000	0.01332
NORTHWEST	0.00154	0.00752	0.00801	0.00167	0.00051	0.00009	0.00000	0.00000	0.01935
NORTH-NORTHWEST	0.00141	0.00621	0.00383	0.00061	0.00003	0.00000	0.00000	0.00000	0.01208
TOTAL:	0.01750	0.07318	0.05157	0.01537	0.00282	0.00066	0.00015	0.00002	0.16127

TABLE 6.18. Continued

STATION: 9 FAST FLUX TEST FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS G: 6276.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66572.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00100	0.00317	0.00077	0.00010	0.00000	0.00002	0.00000	0.00000	0.00507
NORTH-NORTHEAST	0.00094	0.00322	0.00090	0.00014	0.00000	0.00000	0.00000	0.00000	0.00520
NORTHEAST	0.00080	0.00224	0.00055	0.00006	0.00003	0.00003	0.00000	0.00000	0.00372
EAST-NORTHEAST	0.00059	0.00153	0.00017	0.00000	0.00003	0.00001	0.00000	0.00000	0.00233
EAST	0.00057	0.00092	0.00016	0.00000	0.00001	0.00000	0.00000	0.00000	0.00166
EAST-SOUTHEAST	0.00081	0.00123	0.00023	0.00000	0.00000	0.00000	0.00000	0.00000	0.00227
SOUTHEAST	0.00052	0.00259	0.00121	0.00010	0.00000	0.00000	0.00000	0.00000	0.00442
SOUTH-SOUTHEAST	0.00060	0.00419	0.00557	0.00068	0.00002	0.00000	0.00000	0.00000	0.01106
SOUTH	0.00064	0.00469	0.00460	0.00117	0.00003	0.00000	0.00000	0.00000	0.01113
SOUTH-SOUTHWEST	0.00116	0.00381	0.00308	0.00223	0.00026	0.00008	0.00001	0.00000	0.01063
SOUTHWEST	0.00104	0.00239	0.00117	0.00084	0.00040	0.00017	0.00003	0.00000	0.00604
WEST-SOUTHWEST	0.00090	0.00171	0.00038	0.00023	0.00017	0.00003	0.00000	0.00000	0.00341
WEST	0.00082	0.00210	0.00054	0.00022	0.00005	0.00000	0.00000	0.00000	0.00373
WEST-NORTHWEST	0.00092	0.00373	0.00172	0.00042	0.00007	0.00000	0.00000	0.00000	0.00685
NORTHWEST	0.00100	0.00461	0.00357	0.00069	0.00010	0.00000	0.00000	0.00000	0.00997
NORTH-NORTHWEST	0.00121	0.00383	0.00155	0.00019	0.00000	0.00003	0.00000	0.00000	0.00680
TOTAL:	0.01353	0.04597	0.02614	0.00705	0.00117	0.00038	0.00005	0.00000	0.09427

TABLE 6.19. Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the Yakima Barricade Station

STATION: 10 YAKIMA BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS A: 893.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66883.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00019	0.00095	0.00041	0.00000	0.00000	0.00000	0.00000	0.00000	0.00155
NORTH-NORTHEAST	0.00019	0.00087	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00109
NORTHEAST	0.00013	0.00075	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00092
EAST-NORTHEAST	0.00020	0.00060	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00085
EAST	0.00010	0.00050	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00063
EAST-SOUTHEAST	0.00011	0.00067	0.00005	0.00001	0.00000	0.00000	0.00000	0.00000	0.00084
SOUTHEAST	0.00007	0.00053	0.00018	0.00002	0.00000	0.00000	0.00000	0.00000	0.00080
SOUTH-SOUTHEAST	0.00008	0.00042	0.00013	0.00000	0.00000	0.00000	0.00000	0.00000	0.00063
SOUTH	0.00006	0.00031	0.00007	0.00000	0.00002	0.00000	0.00000	0.00000	0.00046
SOUTH-SOUTHWEST	0.00005	0.00039	0.00018	0.00001	0.00001	0.00000	0.00000	0.00000	0.00064
SOUTHWEST	0.00004	0.00031	0.00025	0.00018	0.00006	0.00000	0.00000	0.00000	0.00085
WEST-SOUTHWEST	0.00001	0.00019	0.00018	0.00019	0.00004	0.00002	0.00000	0.00000	0.00063
WEST	0.00003	0.00018	0.00006	0.00006	0.00001	0.00001	0.00000	0.00000	0.00035
WEST-NORTHWEST	0.00001	0.00020	0.00003	0.00007	0.00001	0.00000	0.00000	0.00000	0.00032
NORTHWEST	0.00003	0.00034	0.00025	0.00026	0.00014	0.00000	0.00000	0.00000	0.00102
NORTH-NORTHWEST	0.00004	0.00093	0.00067	0.00010	0.00003	0.00000	0.00000	0.00000	0.00177
TOTAL:	0.00135	0.00813	0.00260	0.00091	0.00033	0.00003	0.00000	0.00000	0.01335

STATION: 10 YAKIMA BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS B: 10264.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66883.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00198	0.01040	0.00421	0.00029	0.00001	0.00000	0.00000	0.00000	0.01689
NORTH-NORTHEAST	0.00261	0.01059	0.00215	0.00014	0.00003	0.00000	0.00000	0.00000	0.01554
NORTHEAST	0.00272	0.00807	0.00050	0.00014	0.00000	0.00000	0.00000	0.00000	0.01144
EAST-NORTHEAST	0.00233	0.00509	0.00020	0.00002	0.00001	0.00000	0.00000	0.00000	0.00765
EAST	0.00179	0.00414	0.00015	0.00001	0.00000	0.00000	0.00000	0.00000	0.00610
EAST-SOUTHEAST	0.00224	0.00524	0.00041	0.00000	0.00000	0.00000	0.00000	0.00000	0.00789
SOUTHEAST	0.00177	0.00550	0.00082	0.00001	0.00000	0.00000	0.00000	0.00000	0.00811
SOUTH-SOUTHEAST	0.00148	0.00410	0.00124	0.00004	0.00001	0.00000	0.00000	0.00000	0.00687
SOUTH	0.00122	0.00235	0.00061	0.00012	0.00002	0.00004	0.00000	0.00000	0.00436
SOUTH-SOUTHWEST	0.00098	0.00224	0.00107	0.00056	0.00013	0.00004	0.00000	0.00000	0.00504
SOUTHWEST	0.00106	0.00271	0.00254	0.00176	0.00059	0.00022	0.00000	0.00000	0.00888
WEST-SOUTHWEST	0.00072	0.00222	0.00245	0.00201	0.00050	0.00037	0.00000	0.00000	0.00826
WEST	0.00084	0.00198	0.00101	0.00074	0.00008	0.00003	0.00000	0.00000	0.00467
WEST-NORTHWEST	0.00063	0.00227	0.00152	0.0007	0.00009	0.00000	0.00000	0.00000	0.00532
NORTHWEST	0.00089	0.00422	0.00676	0.0005	0.00081	0.00011	0.00000	0.00000	0.01625
NORTH-NORTHWEST	0.00145	0.00807	0.00860	0.00188	0.00018	0.00001	0.00000	0.00000	0.02019
TOTAL:	0.02473	0.07920	0.03425	0.01199	0.00247	0.00082	0.00000	0.00000	0.15346

TABLE 6.19. Continued

STATION: 10 YAKIMA BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS C: 9537.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66883.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00209	0.00741	0.00343	0.00021	0.00001	0.00000	0.00000	0.00000	0.01314
NORTH-NORTHEAST	0.00213	0.00659	0.00170	0.00029	0.00004	0.00000	0.00000	0.00000	0.01075
NORTHEAST	0.00181	0.00384	0.00063	0.00026	0.00007	0.00000	0.00000	0.00000	0.00662
EAST-NORTHEAST	0.00151	0.00277	0.00022	0.00006	0.00000	0.00000	0.00000	0.00000	0.00455
EAST	0.00135	0.00214	0.00013	0.00001	0.00000	0.00000	0.00000	0.00000	0.00363
EAST-SOUTHEAST	0.00145	0.00297	0.00037	0.00003	0.00000	0.00000	0.00000	0.00000	0.00481
SOUTHEAST	0.00154	0.00331	0.00079	0.00004	0.00000	0.00000	0.00000	0.00000	0.00567
SOUTH-SOUTHEAST	0.00152	0.00299	0.00094	0.00009	0.00000	0.00000	0.00000	0.00000	0.00554
SOUTH	0.00137	0.00235	0.00073	0.00021	0.00011	0.00000	0.00000	0.00000	0.00477
SOUTH-SOUTHWEST	0.00114	0.00201	0.00153	0.00058	0.00015	0.00001	0.00000	0.00000	0.00543
SOUTHWEST	0.00117	0.00240	0.00315	0.00183	0.00052	0.00027	0.00002	0.00000	0.00935
WEST-SOUTHWEST	0.00152	0.00287	0.00385	0.00229	0.00058	0.00022	0.00001	0.00000	0.01134
WEST	0.00141	0.00324	0.00202	0.00083	0.00015	0.00008	0.00000	0.00000	0.00773
WEST-NORTHWEST	0.00118	0.00324	0.00238	0.00093	0.00015	0.00000	0.00000	0.00000	0.00789
NORTHWEST	0.00102	0.00515	0.00969	0.00492	0.00104	0.00020	0.00000	0.00000	0.02203
NORTH-NORTHWEST	0.00153	0.00740	0.00769	0.00257	0.00011	0.00003	0.00000	0.00000	0.01932
TOTAL:	0.02376	0.06067	0.03923	0.01516	0.00293	0.00081	0.00003	0.00000	0.14259

STATION: 10 YAKIMA BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS D: 18681.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66883.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00130	0.00566	0.00295	0.00068	0.00012	0.00001	0.00000	0.00000	0.01072
NORTH-NORTHEAST	0.00109	0.00432	0.00201	0.00118	0.00038	0.00001	0.00000	0.00000	0.00899
NORTHEAST	0.00103	0.00274	0.00102	0.00073	0.00035	0.00001	0.00000	0.00000	0.00589
EAST-NORTHEAST	0.00090	0.00232	0.00027	0.00009	0.00001	0.00000	0.00000	0.00000	0.00361
EAST	0.00072	0.00204	0.00045	0.00000	0.00000	0.00000	0.00000	0.00000	0.00321
EAST-SOUTHEAST	0.00085	0.00248	0.00098	0.00008	0.00000	0.00000	0.00000	0.00000	0.00439
SOUTHEAST	0.00114	0.00352	0.00169	0.00022	0.00001	0.00000	0.00000	0.00000	0.00658
SOUTH-SOUTHEAST	0.00111	0.00338	0.00148	0.00033	0.00001	0.00000	0.00000	0.00000	0.00630
SOUTH	0.00096	0.00354	0.00208	0.00071	0.00008	0.00002	0.00000	0.00000	0.00739
SOUTH-SOUTHWEST	0.00106	0.00389	0.00291	0.00200	0.00127	0.00026	0.00005	0.00000	0.01144
SOUTHWEST	0.00135	0.00485	0.00661	0.00648	0.00381	0.00111	0.00008	0.00000	0.02430
WEST-SOUTHWEST	0.00209	0.01030	0.01150	0.00915	0.00263	0.00088	0.00004	0.00000	0.03658
WEST	0.00246	0.01505	0.01271	0.00387	0.00077	0.00014	0.00000	0.00000	0.03501
WEST-NORTHWEST	0.00191	0.01072	0.01086	0.00603	0.00259	0.00045	0.00000	0.00000	0.03257
NORTHWEST	0.00148	0.00843	0.01797	0.01798	0.01150	0.00278	0.00012	0.00000	0.06028
NORTH-NORTHWEST	0.00123	0.00684	0.00848	0.00422	0.00112	0.00014	0.00001	0.00000	0.02206
TOTAL:	0.02068	0.09010	0.08397	0.05377	0.02467	0.00582	0.00031	0.00000	0.27931

TABLE 6.19. Continued

STATION: 10 YAKIMA BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS E: 10548.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66883.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00109	0.00303	0.00150	0.00030	0.00001	0.00000	0.00000	0.00000	0.00593
NORTH-NORTHEAST	0.00061	0.00153	0.00063	0.00017	0.00000	0.00000	0.00000	0.00000	0.00294
NORTHEAST	0.00056	0.00080	0.00027	0.00001	0.00000	0.00000	0.00000	0.00000	0.00164
EAST-NORTHEAST	0.00051	0.00055	0.00009	0.00003	0.00001	0.00000	0.00000	0.00000	0.00119
EAST	0.00042	0.00055	0.00011	0.00000	0.00000	0.00000	0.00000	0.00000	0.00109
EAST-SOUTHEAST	0.00049	0.00066	0.00021	0.00001	0.00000	0.00000	0.00000	0.00000	0.00137
SOUTHEAST	0.00065	0.00132	0.00040	0.00000	0.00000	0.00000	0.00000	0.00000	0.00238
SOUTH-SOUTHEAST	0.00078	0.00175	0.00043	0.00004	0.00005	0.00000	0.00000	0.00000	0.00306
SOUTH	0.00100	0.00216	0.00056	0.00008	0.00002	0.00000	0.00000	0.00000	0.00384
SOUTH-SOUTHWEST	0.00115	0.00275	0.00115	0.00036	0.00018	0.00004	0.00001	0.00000	0.00565
SOUTHWEST	0.00155	0.00392	0.00319	0.00109	0.00046	0.00004	0.00002	0.00000	0.01026
WEST-SOUTHWEST	0.00247	0.00877	0.00633	0.00181	0.00032	0.00005	0.00000	0.00000	0.01974
WEST	0.00300	0.01777	0.00974	0.00106	0.00008	0.00001	0.00000	0.00000	0.03166
WEST-NORTHWEST	0.00206	0.01181	0.00794	0.00202	0.00047	0.00001	0.00000	0.00000	0.02431
NORTHWEST	0.00153	0.00792	0.01212	0.00658	0.00223	0.00035	0.00000	0.00000	0.03073
NORTH-NORTHWEST	0.00118	0.00447	0.00461	0.00151	0.00015	0.00000	0.00000	0.00000	0.01192
TOTAL:	0.01905	0.06978	0.04930	0.01509	0.00398	0.00049	0.00003	0.00000	0.15771

STATION: 10 YAKIMA BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS F: 10739.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66883.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00212	0.00529	0.00124	0.00020	0.00002	0.00000	0.00000	0.00000	0.00888
NORTH-NORTHEAST	0.00175	0.00303	0.00048	0.00006	0.00000	0.00000	0.00000	0.00000	0.00532
NORTHEAST	0.00133	0.00157	0.00010	0.00004	0.00001	0.00000	0.00000	0.00000	0.00305
EAST-NORTHEAST	0.00098	0.00074	0.00011	0.00003	0.00001	0.00000	0.00000	0.00000	0.00187
EAST	0.00113	0.00055	0.00018	0.00000	0.00000	0.00000	0.00000	0.00000	0.00185
EAST-SOUTHEAST	0.00130	0.00112	0.00023	0.00000	0.00000	0.00000	0.00000	0.00000	0.00264
SOUTHEAST	0.00147	0.00179	0.00025	0.00005	0.00000	0.00000	0.00000	0.00000	0.00356
SOUTH-SOUTHEAST	0.00203	0.00282	0.00047	0.00004	0.00001	0.00000	0.00000	0.00000	0.00536
SOUTH	0.00237	0.00229	0.00055	0.00013	0.00005	0.00000	0.00000	0.00000	0.00539
SOUTH-SOUTHWEST	0.00291	0.00264	0.00075	0.00033	0.00017	0.00008	0.00004	0.00000	0.00691
SOUTHWEST	0.00316	0.00393	0.00262	0.00070	0.00026	0.00008	0.00001	0.00000	0.01076
WEST-SOUTHWEST	0.00390	0.00887	0.00450	0.00109	0.00022	0.00001	0.00001	0.00000	0.01860
WEST	0.00445	0.01810	0.00673	0.00047	0.00003	0.00000	0.00000	0.00000	0.02977
WEST-NORTHWEST	0.00365	0.01185	0.00400	0.00079	0.00020	0.00001	0.00000	0.00000	0.02050
NORTHWEST	0.00274	0.00824	0.00653	0.00328	0.00137	0.00031	0.00000	0.00000	0.02247
NORTH-NORTHWEST	0.00257	0.00640	0.00347	0.00096	0.00019	0.00004	0.00000	0.00000	0.01364
TOTAL:	0.03784	0.07923	0.03219	0.00816	0.00254	0.00054	0.00006	0.00000	0.16056

TABLE 6.19. Continued

STATION: 10 YAKIMA BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS G: 6221.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66883.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00157	0.00364	0.00048	0.00008	0.00002	0.00000	0.00000	0.00000	0.00580
NORTH-NORTHEAST	0.00150	0.00225	0.00016	0.00001	0.00002	0.00000	0.00000	0.00000	0.00394
NORTHEAST	0.00094	0.00081	0.00010	0.00000	0.00000	0.00000	0.00000	0.00000	0.00185
EAST-NORTHEAST	0.00091	0.00079	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00173
EAST	0.00091	0.00062	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00154
EAST-SOUTHEAST	0.00108	0.00079	0.00012	0.00000	0.00000	0.00000	0.00000	0.00000	0.00199
SOUTHEAST	0.00100	0.00106	0.00011	0.00003	0.00000	0.00000	0.00000	0.00000	0.00220
SOUTH-SOUTHEAST	0.00173	0.00150	0.00023	0.00001	0.00000	0.00000	0.00000	0.00000	0.00717
SOUTH	0.00199	0.00172	0.00023	0.00004	0.00001	0.00002	0.00001	0.00000	0.00702
SOUTH-SOUTHWEST	0.00217	0.00181	0.00038	0.00014	0.00007	0.00005	0.00002	0.00000	0.00465
SOUTHWEST	0.00269	0.00199	0.00094	0.00040	0.00026	0.00005	0.00000	0.00000	0.00634
WEST-SOUTHWEST	0.00302	0.00450	0.00176	0.00052	0.00009	0.00000	0.00000	0.00000	0.00989
WEST	0.00326	0.00860	0.00275	0.00019	0.00001	0.00000	0.00000	0.00000	0.01481
WEST-NORTHWEST	0.00292	0.00615	0.00153	0.00031	0.00005	0.00000	0.00000	0.00000	0.01097
NORTHWEST	0.00195	0.00506	0.00275	0.00152	0.00040	0.00003	0.00000	0.00000	0.01171
NORTH-NORTHWEST	0.00188	0.00453	0.00129	0.00036	0.00004	0.00000	0.00000	0.00000	0.00811
TOTAL:	0.02953	0.04583	0.01286	0.00363	0.00099	0.00015	0.00003	0.00000	0.09301

TABLE 6.20. Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the 300 Area Station

STATION: 11 300 AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS A: 682.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 53759.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00000	0.00005	0.00004	0.00003	0.00002	0.00000	0.00000	0.00000	0.00015
NORTH-NORTHEAST	0.00000	0.00022	0.00037	0.00008	0.00000	0.00000	0.00000	0.00000	0.00067
NORTHEAST	0.00000	0.00025	0.00064	0.00002	0.00000	0.00000	0.00000	0.00000	0.00091
EAST-NORTHEAST	0.00001	0.00060	0.00049	0.00000	0.00000	0.00000	0.00000	0.00000	0.00110
EAST	0.00002	0.00090	0.00051	0.00000	0.00000	0.00000	0.00000	0.00000	0.00143
EAST-SOUTHEAST	0.00001	0.00084	0.00089	0.00000	0.00000	0.00000	0.00000	0.00000	0.00174
SOUTHEAST	0.00000	0.00029	0.00081	0.00004	0.00000	0.00000	0.00000	0.00000	0.00114
SOUTH-SOUTHEAST	0.00002	0.00021	0.00040	0.00003	0.00000	0.00000	0.00000	0.00000	0.00066
SOUTH	0.00001	0.00013	0.00050	0.00008	0.00000	0.00000	0.00000	0.00000	0.00073
SOUTH-SOUTHWEST	0.00001	0.00033	0.00077	0.00038	0.00012	0.00000	0.00000	0.00000	0.00161
SOUTHWEST	0.00000	0.00006	0.00062	0.00038	0.00011	0.00004	0.00000	0.00000	0.00121
WEST-SOUTHWEST	0.00000	0.00010	0.00030	0.00030	0.00011	0.00000	0.00000	0.00000	0.00081
WEST	0.00001	0.00007	0.00003	0.00003	0.00001	0.00001	0.00000	0.00000	0.00017
WEST-NORTHWEST	0.00001	0.00003	0.00004	0.00002	0.00000	0.00001	0.00000	0.00000	0.00010
NORTHWEST	0.00000	0.00002	0.00003	0.00002	0.00006	0.00000	0.00000	0.00000	0.00013
NORTH-NORTHWEST	0.00000	0.00002	0.00008	0.00004	0.00000	0.00000	0.00000	0.00000	0.00013
TOTAL:	0.00009	0.00413	0.00651	0.00147	0.00043	0.00006	0.00000	0.00000	0.01269

STATION: 11 300 AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS B: 9155.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 53759.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00082	0.00377	0.00330	0.00117	0.00009	0.00002	0.00000	0.00000	0.00917
NORTH-NORTHEAST	0.00062	0.00380	0.00529	0.00167	0.00012	0.00003	0.00000	0.00000	0.01154
NORTHEAST	0.00054	0.00408	0.00486	0.00056	0.00005	0.00000	0.00000	0.00000	0.01009
EAST-NORTHEAST	0.00090	0.00495	0.00127	0.00009	0.00002	0.00000	0.00000	0.00000	0.00722
EAST	0.00073	0.00589	0.00225	0.00006	0.00000	0.00000	0.00000	0.00000	0.00894
EAST-SOUTHEAST	0.00096	0.00621	0.00368	0.00010	0.00000	0.00000	0.00000	0.00000	0.01095
SOUTHEAST	0.00092	0.00866	0.00503	0.00029	0.00000	0.00000	0.00000	0.00000	0.01490
SOUTH-SOUTHEAST	0.00139	0.00608	0.00304	0.00021	0.00001	0.00000	0.00000	0.00000	0.01073
SOUTH	0.00099	0.00383	0.00270	0.00057	0.00009	0.00000	0.00000	0.00000	0.00818
SOUTH-SOUTHWEST	0.00102	0.00357	0.00613	0.00360	0.00068	0.00012	0.00000	0.00000	0.01511
SOUTHWEST	0.00092	0.00297	0.00702	0.00532	0.00113	0.00037	0.00009	0.00000	0.01781
WEST-SOUTHWEST	0.00077	0.00180	0.00295	0.00287	0.00080	0.00026	0.00000	0.00000	0.00945
WEST	0.00059	0.00111	0.00069	0.00054	0.00022	0.00017	0.00001	0.00000	0.00333
WEST-NORTHWEST	0.00063	0.00122	0.00051	0.00032	0.00004	0.00000	0.00001	0.00000	0.00273
NORTHWEST	0.00084	0.00184	0.00075	0.00056	0.00015	0.00004	0.00000	0.00000	0.00418
NORTH-NORTHWEST	0.00103	0.00370	0.00204	0.00045	0.00014	0.00000	0.00000	0.00000	0.00736
TOTAL:	0.01367	0.06347	0.05151	0.01840	0.00353	0.00100	0.00011	0.00000	0.15170

TABLE 6.20. Continued

STATION: 11 300 AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS C: 7639.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 53759.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00076	0.00495	0.00457	0.00161	0.00011	0.00003	0.00000	0.00000	0.01203
NORTH-NORTHEAST	0.00061	0.00348	0.00467	0.00131	0.00021	0.00003	0.00000	0.00000	0.01031
NORTHEAST	0.00036	0.00250	0.00209	0.00031	0.00003	0.00000	0.00000	0.00000	0.00529
EAST-NORTHEAST	0.00052	0.00209	0.00077	0.00007	0.00000	0.00000	0.00000	0.00000	0.00346
EAST	0.00060	0.00323	0.00094	0.00008	0.00000	0.00000	0.00000	0.00000	0.00485
EAST-SOUTHEAST	0.00074	0.00495	0.00237	0.00013	0.00002	0.00000	0.00000	0.00000	0.00820
SOUTHEAST	0.00103	0.00820	0.00360	0.00034	0.00002	0.00000	0.00000	0.00000	0.01319
SOUTH-SOUTHEAST	0.00132	0.00574	0.00190	0.00016	0.00003	0.00000	0.00000	0.00000	0.00915
SOUTH	0.00099	0.00384	0.00270	0.00065	0.00011	0.00000	0.00000	0.00000	0.00829
SOUTH-SOUTHWEST	0.00132	0.00314	0.00606	0.00308	0.00060	0.00013	0.00000	0.00000	0.01433
SOUTHWEST	0.00146	0.00255	0.00602	0.00541	0.00138	0.00041	0.00015	0.00002	0.01739
WEST-SOUTHWEST	0.00128	0.00187	0.00316	0.00306	0.00068	0.00021	0.00001	0.00000	0.01026
WEST	0.00108	0.00106	0.00112	0.00070	0.00027	0.00007	0.00004	0.00000	0.00433
WEST-NORTHWEST	0.00093	0.00126	0.00053	0.00017	0.00010	0.00002	0.00000	0.00000	0.00301
NORTHWEST	0.00107	0.00247	0.00149	0.00062	0.00025	0.00006	0.00002	0.00000	0.00597
NORTH-NORTHWEST	0.00118	0.00547	0.00411	0.00099	0.00028	0.00000	0.00000	0.00000	0.01203
TOTAL:	0.01525	0.05679	0.04609	0.01868	0.00409	0.00095	0.00022	0.00002	0.14210

STATION: 11 300 AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS D: 14873.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 53759.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00096	0.00649	0.01164	0.00277	0.00048	0.00003	0.00001	0.00000	0.02239
NORTH-NORTHEAST	0.00068	0.00343	0.00499	0.00195	0.00093	0.00020	0.00009	0.00000	0.01226
NORTHEAST	0.00057	0.00196	0.00139	0.00072	0.00037	0.00017	0.00010	0.00000	0.00527
EAST-NORTHEAST	0.00055	0.00203	0.00093	0.00030	0.00003	0.00006	0.00000	0.00000	0.00391
EAST	0.00071	0.00336	0.00187	0.00020	0.00003	0.00000	0.00000	0.00000	0.00617
EAST-SOUTHEAST	0.00086	0.00794	0.00477	0.00031	0.00003	0.00000	0.00000	0.00000	0.01391
SOUTHEAST	0.00128	0.01397	0.00692	0.00055	0.00004	0.00000	0.00000	0.00000	0.02276
SOUTH-SOUTHEAST	0.00183	0.01044	0.00356	0.00059	0.00006	0.00000	0.00000	0.00000	0.01649
SOUTH	0.00152	0.00857	0.00574	0.00154	0.00026	0.00003	0.00000	0.00000	0.01766
SOUTH-SOUTHWEST	0.00186	0.00670	0.01012	0.00692	0.00230	0.00072	0.00005	0.00000	0.02867
SOUTHWEST	0.00214	0.00571	0.01143	0.01032	0.00574	0.00301	0.00077	0.00006	0.03919
WEST-SOUTHWEST	0.00165	0.00436	0.00669	0.00685	0.00266	0.00083	0.00005	0.00000	0.02310
WEST	0.00170	0.00385	0.00279	0.00196	0.00111	0.00030	0.00000	0.00000	0.01172
WEST-NORTHWEST	0.00168	0.00391	0.00237	0.00143	0.00028	0.00002	0.00000	0.00000	0.00969
NORTHWEST	0.00148	0.00563	0.00471	0.00454	0.00204	0.00044	0.00000	0.00000	0.01884
NORTH-NORTHWEST	0.00139	0.00799	0.00931	0.00481	0.00106	0.00006	0.00002	0.00000	0.02463
TOTAL:	0.02085	0.09636	0.08925	0.04576	0.01743	0.00586	0.00110	0.00006	0.27666

TABLE 6.20. Continued

STATION: 11 300 AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS E: 8484.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 53759.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00087	0.00556	0.00946	0.00158	0.00006	0.00000	0.00000	0.00000	0.01752
NORTH-NORTHEAST	0.00047	0.00175	0.00286	0.00064	0.00008	0.00000	0.00000	0.00000	0.00579
NORTHEAST	0.00047	0.00060	0.00045	0.00024	0.00010	0.00000	0.00000	0.00000	0.00187
EAST-NORTHEAST	0.00032	0.00048	0.00030	0.00022	0.00003	0.00000	0.00000	0.00000	0.00136
EAST	0.00056	0.00131	0.00056	0.00007	0.00000	0.00000	0.00000	0.00000	0.00250
EAST-SOUTHEAST	0.00088	0.00494	0.00323	0.00007	0.00000	0.00000	0.00000	0.00000	0.00912
SOUTHEAST	0.00116	0.00987	0.00416	0.00027	0.00000	0.00000	0.00000	0.00000	0.01545
SOUTH-SOUTHEAST	0.00146	0.00804	0.00151	0.00022	0.00001	0.00000	0.00000	0.00000	0.01124
SOUTH	0.00199	0.00632	0.00306	0.00058	0.00002	0.00000	0.00000	0.00000	0.01198
SOUTH-SOUTHWEST	0.00148	0.00478	0.00414	0.00182	0.00043	0.00019	0.00000	0.00000	0.01284
SOUTHWEST	0.00196	0.00404	0.00459	0.00307	0.00120	0.00039	0.00015	0.00000	0.01540
WEST-SOUTHWEST	0.00201	0.00296	0.00285	0.00166	0.00036	0.00009	0.00002	0.00000	0.00995
WEST	0.00159	0.00267	0.00107	0.00052	0.00008	0.00007	0.00000	0.00000	0.00601
WEST-NORTHWEST	0.00155	0.00331	0.00070	0.00028	0.00002	0.00002	0.00000	0.00000	0.00587
NORTHWEST	0.00142	0.00595	0.00261	0.00163	0.00047	0.00008	0.00000	0.00000	0.01216
NORTH-NORTHWEST	0.00142	0.00757	0.00768	0.00194	0.00013	0.00002	0.00000	0.00000	0.01876
TOTAL:	0.01961	0.07015	0.04924	0.01481	0.00299	0.00086	0.00017	0.00000	0.15782

STATION: 11 300 AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS F: 8771.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 53759.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00104	0.00645	0.00693	0.00088	0.00007	0.00000	0.00000	0.00000	0.01538
NORTH-NORTHEAST	0.00072	0.00199	0.00224	0.00040	0.00006	0.00000	0.00000	0.00000	0.00541
NORTHEAST	0.00051	0.00076	0.00024	0.00010	0.00002	0.00000	0.00000	0.00000	0.00163
EAST-NORTHEAST	0.00062	0.00061	0.00024	0.00012	0.00002	0.00000	0.00000	0.00000	0.00161
EAST	0.00076	0.00183	0.00053	0.00007	0.00002	0.00000	0.00000	0.00000	0.00321
EAST-SOUTHEAST	0.00130	0.00642	0.00334	0.00006	0.00000	0.00000	0.00000	0.00000	0.01111
SOUTHEAST	0.00146	0.01235	0.00529	0.00013	0.00000	0.00000	0.00000	0.00000	0.01924
SOUTH-SOUTHEAST	0.00146	0.00868	0.00171	0.00021	0.00002	0.00000	0.00000	0.00000	0.01207
SOUTH	0.00166	0.00690	0.00274	0.00033	0.00004	0.00001	0.00000	0.00000	0.01168
SOUTH-SOUTHWEST	0.00201	0.00441	0.00434	0.00165	0.00035	0.00010	0.00000	0.00000	0.01287
SOUTHWEST	0.00249	0.00382	0.00339	0.00288	0.00086	0.00051	0.00012	0.00004	0.01408
WEST-SOUTHWEST	0.00177	0.00312	0.00223	0.00113	0.00019	0.00012	0.00004	0.00000	0.00860
WEST	0.00201	0.00261	0.00086	0.00043	0.00008	0.00000	0.00001	0.00000	0.00600
WEST-NORTHWEST	0.00214	0.00383	0.00065	0.00013	0.00000	0.00002	0.00000	0.00000	0.00676
NORTHWEST	0.00192	0.00738	0.00259	0.00083	0.00028	0.00020	0.00004	0.00000	0.01324
NORTH-NORTHWEST	0.00183	0.01053	0.00646	0.00122	0.00019	0.00005	0.00000	0.00000	0.02027
TOTAL:	0.02370	0.08170	0.04377	0.01057	0.00218	0.00100	0.00020	0.00004	0.16315

TABLE 6.20. Continued

STATION: 11 300 AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS G: 5155.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 53759.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00061	0.00386	0.00290	0.00033	0.00000	0.00002	0.00000	0.00000	0.00772
NORTH-NORTHEAST	0.00036	0.00126	0.00116	0.00014	0.00000	0.00000	0.00000	0.00000	0.00292
NORTHEAST	0.00034	0.00035	0.00003	0.00010	0.00004	0.00000	0.00000	0.00000	0.00086
EAST-NORTHEAST	0.00020	0.00037	0.00008	0.00007	0.00003	0.00000	0.00000	0.00000	0.00076
EAST	0.00035	0.00096	0.00031	0.00000	0.00002	0.00000	0.00000	0.00000	0.00164
EAST-SOUTHEAST	0.00089	0.00434	0.00183	0.00003	0.00000	0.00000	0.00000	0.00000	0.00708
SOUTHEAST	0.00075	0.00719	0.00303	0.00002	0.00000	0.00000	0.00000	0.00000	0.01100
SOUTH-SOUTHEAST	0.00105	0.00512	0.00113	0.00004	0.00000	0.00000	0.00000	0.00000	0.00735
SOUTH	0.00110	0.00410	0.00195	0.00022	0.00000	0.00001	0.00000	0.00000	0.00738
SOUTH-SOUTHWEST	0.00121	0.00353	0.00241	0.00093	0.00011	0.00004	0.00002	0.00000	0.00825
SOUTHWEST	0.00191	0.00227	0.00180	0.00090	0.00050	0.00031	0.00006	0.00002	0.00776
WEST-SOUTHWEST	0.00168	0.00217	0.00080	0.00063	0.00018	0.00008	0.00000	0.00000	0.00554
WEST	0.00144	0.00191	0.00032	0.00020	0.00008	0.00000	0.00000	0.00000	0.00396
WEST-NORTHWEST	0.00146	0.00258	0.00038	0.00007	0.00000	0.00000	0.00000	0.00000	0.00449
NORTHWEST	0.00185	0.00411	0.00084	0.00035	0.00007	0.00000	0.00000	0.00000	0.00722
NORTH-NORTHWEST	0.00145	0.00695	0.00301	0.00040	0.00010	0.00005	0.00000	0.00000	0.01197
TOTAL:	0.01667	0.05108	0.02199	0.00441	0.00113	0.00052	0.00007	0.00002	0.09589

TABLE 6.21. Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the Wye Barricade Station

STATION: 12 WYE BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS A: 902.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66481.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00000	0.00023	0.00013	0.00003	0.00000	0.00000	0.00000	0.00000	0.00040
NORTH-NORTHEAST	0.00006	0.00029	0.00022	0.00007	0.00000	0.00000	0.00000	0.00000	0.00063
NORTHEAST	0.00006	0.00044	0.00015	0.00002	0.00000	0.00000	0.00000	0.00000	0.00067
EAST-NORTHEAST	0.00012	0.00043	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00059
EAST	0.00002	0.00038	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00045
EAST-SOUTHEAST	0.00005	0.00020	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000	0.00029
SOUTHEAST	0.00005	0.00040	0.00007	0.00000	0.00000	0.00000	0.00000	0.00000	0.00052
SOUTH-SOUTHEAST	0.00005	0.00071	0.00029	0.00008	0.00000	0.00000	0.00000	0.00000	0.00112
SOUTH	0.00006	0.00085	0.00072	0.00024	0.00002	0.00000	0.00000	0.00000	0.00188
SOUTH-SOUTHWEST	0.00007	0.00059	0.00120	0.00055	0.00003	0.00000	0.00000	0.00000	0.00243
SOUTHWEST	0.00013	0.00046	0.00049	0.00028	0.00008	0.00002	0.00000	0.00000	0.00145
WEST-SOUTHWEST	0.00005	0.00035	0.00020	0.00020	0.00008	0.00002	0.00000	0.00000	0.00091
WEST	0.00006	0.00032	0.00014	0.00011	0.00003	0.00001	0.00000	0.00000	0.00067
WEST-NORTHWEST	0.00005	0.00023	0.00012	0.00013	0.00004	0.00000	0.00000	0.00000	0.00057
NORTHWEST	0.00006	0.00030	0.00013	0.00005	0.00004	0.00002	0.00000	0.00000	0.00059
NORTH-NORTHWEST	0.00002	0.00031	0.00005	0.00003	0.00000	0.00000	0.00000	0.00000	0.00040
TOTAL:	0.00089	0.00650	0.00403	0.00177	0.00032	0.00006	0.00000	0.00000	0.01357

STATION: 12 WYE BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS B: 10195.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66481.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00121	0.00412	0.00326	0.00069	0.00004	0.00001	0.00000	0.00000	0.00934
NORTH-NORTHEAST	0.00110	0.00464	0.00211	0.00048	0.00016	0.00005	0.00000	0.00000	0.00855
NORTHEAST	0.00121	0.00399	0.00121	0.00025	0.00001	0.00002	0.00000	0.00000	0.00668
EAST-NORTHEAST	0.00119	0.00362	0.00047	0.00016	0.00001	0.00000	0.00000	0.00000	0.00546
EAST	0.00135	0.00403	0.00055	0.00004	0.00000	0.00000	0.00000	0.00000	0.00597
EAST-SOUTHEAST	0.00160	0.00416	0.00055	0.00006	0.00000	0.00000	0.00000	0.00000	0.00637
SOUTHEAST	0.00138	0.00466	0.00089	0.00001	0.00000	0.00000	0.00000	0.00000	0.00695
SOUTH-SOUTHEAST	0.00129	0.00619	0.00287	0.00044	0.00001	0.00000	0.00000	0.00000	0.01080
SOUTH	0.00115	0.00646	0.00581	0.00188	0.00030	0.00003	0.00000	0.00000	0.01562
SOUTH-SOUTHWEST	0.00117	0.00616	0.00647	0.00390	0.00071	0.00010	0.00000	0.00000	0.01852
SOUTHWEST	0.00124	0.00548	0.00382	0.00215	0.00071	0.00030	0.00000	0.00000	0.01369
WEST-SOUTHWEST	0.00134	0.00513	0.00247	0.00133	0.00062	0.00017	0.00001	0.00000	0.01107
WEST	0.00101	0.00452	0.00231	0.00100	0.00032	0.00019	0.00002	0.00000	0.00936
WEST-NORTHWEST	0.00099	0.00414	0.00228	0.00127	0.00031	0.00001	0.00000	0.00000	0.00900
NORTHWEST	0.00094	0.00382	0.00182	0.00066	0.00045	0.00006	0.00002	0.00000	0.00777
NORTH-NORTHWEST	0.00119	0.00375	0.00266	0.00051	0.00008	0.00001	0.00000	0.00000	0.00820
TOTAL:	0.01937	0.07488	0.03955	0.01483	0.00373	0.00095	0.00005	0.00000	0.15335

TABLE 6.21. Continued

STATION: 12 WYE BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS C: 9453.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66481.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00099	0.00403	0.00258	0.00077	0.00002	0.00002	0.00000	0.00000	0.00840
NORTH-NORTHEAST	0.00097	0.00337	0.00183	0.00058	0.00016	0.00005	0.00000	0.00000	0.00695
NORTHEAST	0.00081	0.00242	0.00102	0.00028	0.00003	0.00000	0.00000	0.00000	0.00456
EAST-NORTHEAST	0.00082	0.00250	0.00055	0.00014	0.00001	0.00001	0.00000	0.00000	0.00403
EAST	0.00088	0.00272	0.00083	0.00003	0.00000	0.00000	0.00000	0.00000	0.00447
EAST-SOUTHEAST	0.00109	0.00338	0.00063	0.00001	0.00000	0.00000	0.00000	0.00000	0.00512
SOUTHEAST	0.00122	0.00326	0.00130	0.00010	0.00000	0.00000	0.00000	0.00000	0.00588
SOUTH-SOUTHEAST	0.00090	0.00451	0.00235	0.00049	0.00002	0.00000	0.00000	0.00000	0.00828
SOUTH	0.00105	0.00523	0.00429	0.00170	0.00013	0.00002	0.00000	0.00000	0.01242
SOUTH-SOUTHWEST	0.00103	0.00451	0.00578	0.00326	0.00085	0.00015	0.00001	0.00000	0.01559
SOUTHWEST	0.00115	0.00466	0.00415	0.00250	0.00065	0.00045	0.00005	0.00000	0.01361
WEST-SOUTHWEST	0.00104	0.00443	0.00298	0.00164	0.00068	0.00028	0.00003	0.00000	0.01107
WEST	0.00084	0.00468	0.00278	0.00147	0.00037	0.00012	0.00002	0.00000	0.01028
WEST-NORTHWEST	0.00102	0.00443	0.00393	0.00162	0.00034	0.00005	0.00000	0.00000	0.01140
NORTHWEST	0.00106	0.00418	0.00345	0.00112	0.00046	0.00024	0.00002	0.00000	0.01053
NORTH-NORTHWEST	0.00102	0.00399	0.00368	0.00070	0.00022	0.00000	0.00000	0.00000	0.00961
TOTAL:	0.01590	0.06229	0.04215	0.01641	0.00394	0.00138	0.00012	0.00000	0.14219

STATION: 12 WYE BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS D: 18585.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66481.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00067	0.00395	0.00253	0.00123	0.00023	0.00000	0.00000	0.00000	0.00861
NORTH-NORTHEAST	0.00066	0.00275	0.00163	0.00130	0.00067	0.00010	0.00000	0.00000	0.00711
NORTHEAST	0.00053	0.00248	0.00093	0.00059	0.00014	0.00019	0.00009	0.00000	0.00495
EAST-NORTHEAST	0.00060	0.00210	0.00114	0.00032	0.00001	0.00002	0.00000	0.00000	0.00419
EAST	0.00070	0.00337	0.00119	0.00006	0.00002	0.00000	0.00000	0.00000	0.00534
EAST-SOUTHEAST	0.00087	0.00353	0.00138	0.00015	0.00000	0.00000	0.00000	0.00000	0.00592
SOUTHEAST	0.00080	0.00383	0.00241	0.00023	0.00002	0.00000	0.00000	0.00000	0.00729
SOUTH-SOUTHEAST	0.00104	0.00571	0.00438	0.00120	0.00014	0.00000	0.00000	0.00000	0.01246
SOUTH	0.00113	0.00726	0.00818	0.00360	0.00039	0.00006	0.00000	0.00000	0.02062
SOUTH-SOUTHWEST	0.00102	0.00670	0.01080	0.00744	0.00273	0.00061	0.00011	0.00000	0.02941
SOUTHWEST	0.00105	0.00724	0.00923	0.00641	0.00490	0.00214	0.00032	0.00002	0.03130
WEST-SOUTHWEST	0.00114	0.00746	0.00797	0.00522	0.00306	0.00109	0.00013	0.00000	0.02607
WEST	0.00095	0.00689	0.01117	0.00661	0.00166	0.00033	0.00003	0.00001	0.02765
WEST-NORTHWEST	0.00091	0.00721	0.01671	0.01182	0.00336	0.00066	0.00003	0.00001	0.04072
NORTHWEST	0.00082	0.00619	0.01296	0.00726	0.00428	0.00156	0.00005	0.00000	0.03312
NORTH-NORTHWEST	0.00067	0.00549	0.00575	0.00236	0.00046	0.00008	0.00000	0.00000	0.01480
TOTAL:	0.01357	0.08216	0.09836	0.05579	0.02207	0.00683	0.00075	0.00003	0.27955

TABLE 6.21. Continued

STATION: 12 WYE BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS F: 10438.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66481.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00047	0.00301	0.00151	0.00033	0.00003	0.00000	0.00000	0.00000	0.00534
NORTH-NORTHEAST	0.00050	0.00187	0.00061	0.00027	0.00002	0.00000	0.00000	0.00000	0.00325
NORTHEAST	0.00055	0.00147	0.00050	0.00009	0.00002	0.00000	0.00000	0.00000	0.00263
EAST-NORTHEAST	0.00066	0.00129	0.00030	0.00003	0.00001	0.00003	0.00000	0.00000	0.00230
EAST	0.00054	0.00243	0.00055	0.00000	0.00001	0.00000	0.00000	0.00000	0.00353
EAST-SOUTHEAST	0.00078	0.00281	0.00042	0.00002	0.00000	0.00000	0.00000	0.00000	0.00402
SOUTHEAST	0.00073	0.00291	0.00119	0.00012	0.00000	0.00000	0.00000	0.00000	0.00496
SOUTH-SOUTHEAST	0.00094	0.00370	0.00299	0.00045	0.00009	0.00002	0.00000	0.00000	0.00818
SOUTH	0.00074	0.00483	0.00442	0.00122	0.00006	0.00001	0.00000	0.00000	0.01129
SOUTH-SOUTHWEST	0.00085	0.00528	0.00619	0.00199	0.00062	0.00012	0.00000	0.00000	0.01506
SOUTHWEST	0.00096	0.00482	0.00511	0.00148	0.00078	0.00026	0.00003	0.00000	0.01345
WEST-SOUTHWEST	0.00086	0.00492	0.00456	0.00119	0.00042	0.00009	0.00001	0.00000	0.01205
WEST	0.00065	0.00523	0.00688	0.00255	0.00023	0.00006	0.00002	0.00000	0.01562
WEST-NORTHWEST	0.00068	0.00577	0.01384	0.00514	0.00105	0.00005	0.00001	0.00000	0.02654
NORTHWEST	0.00072	0.00611	0.00934	0.00236	0.00057	0.00013	0.00000	0.00000	0.01922
NORTH-NORTHWEST	0.00047	0.00482	0.00351	0.00071	0.00007	0.00000	0.00000	0.00000	0.00958
TOTAL:	0.01109	0.06128	0.06191	0.01794	0.00396	0.00077	0.00006	0.00000	0.15701

STATION: 12 WYE BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS F: 10630.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66481.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00091	0.00327	0.00107	0.00020	0.00001	0.00000	0.00000	0.00000	0.00545
NORTH-NORTHEAST	0.00068	0.00208	0.00049	0.00011	0.00003	0.00002	0.00000	0.00000	0.00341
NORTHEAST	0.00062	0.00167	0.00029	0.00005	0.00003	0.00000	0.00000	0.00000	0.00266
EAST-NORTHEAST	0.00097	0.00220	0.00034	0.00001	0.00003	0.00000	0.00000	0.00000	0.00355
EAST	0.00106	0.00358	0.00074	0.00002	0.00000	0.00000	0.00000	0.00000	0.00539
EAST-SOUTHEAST	0.00138	0.00397	0.00067	0.00004	0.00000	0.00000	0.00000	0.00000	0.00605
SOUTHEAST	0.00134	0.00400	0.00129	0.00015	0.00000	0.00000	0.00000	0.00000	0.00679
SOUTH-SOUTHEAST	0.00136	0.00530	0.00326	0.00051	0.00003	0.00000	0.00000	0.00000	0.01047
SOUTH	0.00144	0.00736	0.00479	0.00129	0.00013	0.00002	0.00000	0.00000	0.01504
SOUTH-SOUTHWEST	0.00164	0.00631	0.00535	0.00196	0.00038	0.00010	0.00004	0.00000	0.01579
SOUTHWEST	0.00213	0.00597	0.00442	0.00113	0.00068	0.00033	0.00007	0.00003	0.01476
WEST-SOUTHWEST	0.00151	0.00537	0.00307	0.00081	0.00028	0.00005	0.00003	0.00000	0.01113
WEST	0.00131	0.00622	0.00527	0.00137	0.00014	0.00003	0.00000	0.00000	0.01433
WEST-NORTHWEST	0.00113	0.00667	0.00951	0.00284	0.00057	0.00008	0.00000	0.00000	0.02079
NORTHWEST	0.00129	0.00696	0.00580	0.00107	0.00045	0.00017	0.00000	0.00000	0.01574
NORTH-NORTHWEST	0.00112	0.00496	0.00214	0.00024	0.00007	0.00000	0.00000	0.00000	0.00854
TOTAL:	0.01989	0.07589	0.04851	0.01181	0.00284	0.00080	0.00014	0.00003	0.15990

TABLE 6.21. Continued

STATION: 12 WYE BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS G: 6278.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66481.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00067	0.00188	0.00054	0.00005	0.00000	0.00004	0.00000	0.00000	0.00318
NORTH-NORTHEAST	0.00058	0.00108	0.00024	0.00001	0.00000	0.00000	0.00000	0.00000	0.00191
NORTHEAST	0.00065	0.00106	0.00018	0.00003	0.00002	0.00002	0.00000	0.00000	0.00196
EAST-NORTHEAST	0.00044	0.00126	0.00013	0.00000	0.00002	0.00002	0.00000	0.00000	0.00187
EAST	0.00074	0.00238	0.00044	0.00001	0.00001	0.00000	0.00000	0.00000	0.00359
EAST-SOUTHEAST	0.00087	0.00265	0.00032	0.00001	0.00000	0.00000	0.00000	0.00000	0.00385
SOUTHEAST	0.00099	0.00283	0.00087	0.00008	0.00000	0.00000	0.00000	0.00000	0.00477
SOUTH-SOUTHEAST	0.00132	0.00399	0.00190	0.00036	0.00002	0.00000	0.00000	0.00000	0.00758
SOUTH	0.00094	0.00448	0.00263	0.00047	0.00002	0.00001	0.00000	0.00000	0.00855
SOUTH-SOUTHWEST	0.00129	0.00388	0.00310	0.00087	0.00007	0.00007	0.00001	0.00000	0.00929
SOUTHWEST	0.00146	0.00362	0.00187	0.00062	0.00036	0.00013	0.00003	0.00000	0.00811
WEST-SOUTHWEST	0.00141	0.00400	0.00158	0.00043	0.00013	0.00002	0.00000	0.00000	0.00758
WEST	0.00103	0.00433	0.00248	0.00069	0.00013	0.00001	0.00000	0.00000	0.00868
WEST-NORTHWEST	0.00097	0.00448	0.00399	0.00125	0.00014	0.00001	0.00000	0.00000	0.01084
NORTHWEST	0.00097	0.00360	0.00219	0.00065	0.00012	0.00002	0.00000	0.00000	0.00755
NORTH-NORTHWEST	0.00096	0.00301	0.00104	0.00010	0.00001	0.00001	0.00000	0.00000	0.00512
TOTAL:	0.01528	0.04857	0.02353	0.00563	0.00104	0.00035	0.00005	0.00000	0.09443

TABLE 6.22. Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the 100-N Area Station

STATION: 13 100 - N AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS A: 907.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66579.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00009	0.00059	0.00006	0.00000	0.00000	0.00000	0.00000	0.00000	0.00074
NORTH-NORTHEAST	0.00008	0.00046	0.00017	0.00002	0.00000	0.00000	0.00000	0.00000	0.00073
NORTHEAST	0.00005	0.00035	0.00021	0.00005	0.00000	0.00000	0.00000	0.00000	0.00066
EAST-NORTHEAST	0.00005	0.00015	0.00005	0.00001	0.00000	0.00000	0.00000	0.00000	0.00027
EAST	0.00008	0.00026	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040
EAST-SOUTHEAST	0.00008	0.00033	0.00007	0.00000	0.00000	0.00000	0.00000	0.00000	0.00048
SOUTHEAST	0.00007	0.00044	0.00017	0.00003	0.00000	0.00000	0.00000	0.00000	0.00071
SOUTH-SOUTHEAST	0.00007	0.00019	0.00007	0.00006	0.00000	0.00000	0.00000	0.00000	0.00038
SOUTH	0.00003	0.00022	0.00011	0.00001	0.00000	0.00000	0.00000	0.00000	0.00037
SOUTH-SOUTHWEST	0.00002	0.00020	0.00008	0.00001	0.00000	0.00000	0.00000	0.00000	0.00031
SOUTHWEST	0.00003	0.00048	0.00016	0.00007	0.00008	0.00002	0.00000	0.00000	0.00084
WEST-SOUTHWEST	0.00001	0.00110	0.00030	0.00009	0.00004	0.00000	0.00000	0.00000	0.00154
WEST	0.00006	0.00094	0.00039	0.00013	0.00004	0.00002	0.00000	0.00000	0.00160
WEST-NORTHWEST	0.00010	0.00117	0.00020	0.00015	0.00018	0.00002	0.00000	0.00000	0.00182
NORTHWEST	0.00009	0.00138	0.00007	0.00005	0.00004	0.00000	0.00000	0.00000	0.00163
NORTH-NORTHWEST	0.00009	0.00102	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00114
TOTAL:	0.00101	0.00930	0.00221	0.00068	0.00038	0.00006	0.00000	0.00000	0.01362

STATION: 13 100 - N AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS B: 10197.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66579.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00209	0.00582	0.00080	0.00014	0.00007	0.00000	0.00000	0.00000	0.00892
NORTH-NORTHEAST	0.00174	0.00461	0.00195	0.00069	0.00024	0.00001	0.00000	0.00000	0.00923
NORTHEAST	0.00148	0.00402	0.00140	0.00048	0.00016	0.00003	0.00000	0.00000	0.00757
EAST-NORTHEAST	0.00172	0.00355	0.00054	0.00010	0.00000	0.00000	0.00000	0.00000	0.00590
EAST	0.00232	0.00541	0.00070	0.00002	0.00000	0.00000	0.00000	0.00000	0.00845
EAST-SOUTHEAST	0.00305	0.00686	0.00117	0.00021	0.00000	0.00000	0.00000	0.00000	0.01129
SOUTHEAST	0.00264	0.00538	0.00137	0.00041	0.00000	0.00000	0.00000	0.00000	0.00980
SOUTH-SOUTHEAST	0.00203	0.00325	0.00071	0.00022	0.00001	0.00000	0.00000	0.00000	0.00621
SOUTH	0.00184	0.00209	0.00047	0.00017	0.00001	0.00002	0.00000	0.00000	0.00460
SOUTH-SOUTHWEST	0.00177	0.00256	0.00072	0.00034	0.00005	0.00001	0.00000	0.00000	0.00545
SOUTHWEST	0.00200	0.00446	0.00222	0.00097	0.00023	0.00010	0.00000	0.00000	0.00996
WEST-SOUTHWEST	0.00196	0.00649	0.00276	0.00097	0.00031	0.00006	0.00000	0.00000	0.01255
WEST	0.00216	0.00738	0.00302	0.00138	0.00041	0.00003	0.00000	0.00000	0.01438
WEST-NORTHWEST	0.00284	0.00801	0.00265	0.00139	0.00070	0.00020	0.00000	0.00000	0.01579
NORTHWEST	0.00273	0.00779	0.00120	0.00044	0.00029	0.00009	0.00000	0.00000	0.01254
NORTH-NORTHWEST	0.00247	0.00678	0.00096	0.00024	0.00007	0.00000	0.00000	0.00000	0.01052
TOTAL:	0.03483	0.08444	0.02265	0.00816	0.00254	0.00054	0.00000	0.00000	0.15316

TABLE 6.22. Continued

STATION: 13 100 - N AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS C: 9445.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66579.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00155	0.00406	0.00116	0.00036	0.00002	0.00000	0.00000	0.00000	0.00716
NORTH-NORTHEAST	0.00141	0.00352	0.00244	0.00066	0.00021	0.00005	0.00001	0.00000	0.00830
NORTHEAST	0.00155	0.00340	0.00164	0.00060	0.00017	0.00001	0.00000	0.00000	0.00735
EAST-NORTHEAST	0.00185	0.00325	0.00052	0.00018	0.00000	0.00001	0.00000	0.00000	0.00582
EAST	0.00277	0.00501	0.00092	0.00007	0.00002	0.00000	0.00000	0.00000	0.00878
EAST-SOUTHEAST	0.00304	0.00628	0.00132	0.00021	0.00001	0.00000	0.00000	0.00000	0.01086
SOUTHEAST	0.00303	0.00442	0.00131	0.00041	0.00000	0.00000	0.00000	0.00000	0.00918
SOUTH-SOUTHEAST	0.00232	0.00286	0.00079	0.00030	0.00004	0.00000	0.00000	0.00000	0.00630
SOUTH	0.00219	0.00224	0.00054	0.00015	0.00003	0.00000	0.00000	0.00000	0.00515
SOUTH-SOUTHWEST	0.00211	0.00256	0.00085	0.00047	0.00008	0.00004	0.00000	0.00000	0.00611
SOUTHWEST	0.00241	0.00455	0.00212	0.00131	0.00038	0.00011	0.00000	0.00000	0.01088
WEST-SOUTHWEST	0.00234	0.00579	0.00284	0.00096	0.00024	0.00003	0.00001	0.00000	0.01221
WEST	0.00241	0.00564	0.00329	0.00161	0.00035	0.00001	0.00000	0.00000	0.01331
WEST-NORTHWEST	0.00249	0.00481	0.00288	0.00195	0.00068	0.00024	0.00000	0.00000	0.01304
NORTHWEST	0.00252	0.00451	0.00140	0.00087	0.00057	0.00017	0.00000	0.00000	0.01004
NORTH-NORTHWEST	0.00221	0.00392	0.00097	0.00026	0.00001	0.00000	0.00000	0.00000	0.00737
TOTAL:	0.03618	0.06682	0.02498	0.01038	0.00279	0.00068	0.00003	0.00000	0.14186

STATION: 13 100 - N AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS D: 18561.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66579.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00209	0.00379	0.00192	0.00076	0.00042	0.00003	0.00000	0.00000	0.00902
NORTH-NORTHEAST	0.00170	0.00347	0.00228	0.00158	0.00060	0.00017	0.00000	0.00000	0.00982
NORTHEAST	0.00182	0.00440	0.00156	0.00151	0.00048	0.00051	0.00003	0.00000	0.01030
EAST-NORTHEAST	0.00199	0.00614	0.00171	0.00043	0.00020	0.00007	0.00000	0.00000	0.01054
EAST	0.00249	0.00776	0.00176	0.00020	0.00003	0.00000	0.00000	0.00000	0.01223
EAST-SOUTHEAST	0.00244	0.00725	0.00267	0.00039	0.00002	0.00000	0.00000	0.00000	0.01278
SOUTHEAST	0.00185	0.00550	0.00388	0.00073	0.00013	0.00000	0.00000	0.00000	0.01209
SOUTH-SOUTHEAST	0.00180	0.00367	0.00215	0.00076	0.00016	0.00000	0.00000	0.00000	0.00854
SOUTH	0.00171	0.00311	0.00159	0.00067	0.00013	0.00008	0.00000	0.00000	0.00730
SOUTH-SOUTHWEST	0.00190	0.00362	0.00330	0.00158	0.00114	0.00014	0.00002	0.00000	0.01170
SOUTHWEST	0.00285	0.00826	0.00618	0.00520	0.00219	0.00048	0.00002	0.00000	0.02518
WEST-SOUTHWEST	0.00348	0.01541	0.01369	0.00448	0.00147	0.00027	0.00000	0.00000	0.03881
WEST	0.00320	0.01372	0.01482	0.00815	0.00161	0.00026	0.00000	0.00000	0.04176
WEST-NORTHWEST	0.00351	0.00961	0.01020	0.01001	0.00482	0.00108	0.00001	0.00000	0.03925
NORTHWEST	0.00267	0.00632	0.00329	0.00379	0.00200	0.00046	0.00002	0.00000	0.01854
NORTH-NORTHWEST	0.00270	0.00489	0.00218	0.00088	0.00020	0.00004	0.00001	0.00000	0.01091
TOTAL:	0.03823	0.10693	0.07321	0.04111	0.01561	0.00360	0.00011	0.00000	0.27878

TABLE 6.22. Continued

STATION: 13 100 - N AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS E: 10484.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66579.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00172	0.00250	0.00093	0.00036	0.00002	0.00000	0.00000	0.00000	0.00554
NORTH-NORTHEAST	0.00138	0.00221	0.00115	0.00055	0.00016	0.00004	0.00000	0.00000	0.00549
NORTHEAST	0.00129	0.00285	0.00059	0.00031	0.00012	0.00007	0.00000	0.00000	0.00523
EAST-NORTHEAST	0.00150	0.00385	0.00093	0.00014	0.00001	0.00001	0.00000	0.00000	0.00644
EAST	0.00182	0.00480	0.00096	0.00008	0.00000	0.00000	0.00000	0.00000	0.00766
EAST-SOUTHEAST	0.00153	0.00506	0.00120	0.00010	0.00000	0.00000	0.00000	0.00000	0.00789
SOUTHEAST	0.00149	0.00341	0.00174	0.00017	0.00000	0.00000	0.00000	0.00000	0.00682
SOUTH-SOUTHEAST	0.00136	0.00251	0.00080	0.00017	0.00000	0.00003	0.00000	0.00000	0.00487
SOUTH	0.00174	0.00178	0.00047	0.00010	0.00004	0.00003	0.00000	0.00000	0.00416
SOUTH-SOUTHWEST	0.00179	0.00293	0.00083	0.00030	0.00011	0.00005	0.00000	0.00000	0.00602
SOUTHWEST	0.00277	0.00661	0.00260	0.00070	0.00028	0.00002	0.00000	0.00000	0.01299
WEST-SOUTHWEST	0.00340	0.01269	0.00674	0.00107	0.00009	0.00001	0.00000	0.00000	0.02401
WEST	0.00286	0.01125	0.00732	0.00238	0.00028	0.00004	0.00000	0.00000	0.02413
WEST-NORTHWEST	0.00316	0.00849	0.00452	0.00237	0.00082	0.00013	0.00000	0.00000	0.01949
NORTHWEST	0.00291	0.00466	0.00128	0.00057	0.00021	0.00003	0.00000	0.00000	0.00966
NORTH-NORTHWEST	0.00238	0.00339	0.00084	0.00042	0.00003	0.00002	0.00000	0.00000	0.00707
TOTAL:	0.03310	0.07899	0.03291	0.00979	0.00218	0.00050	0.00000	0.00000	0.15747

STATION: 13 100 - N AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS F: 10703.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66579.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00258	0.00237	0.00082	0.00021	0.00015	0.00004	0.00000	0.00000	0.00617
NORTH-NORTHEAST	0.00228	0.00252	0.00067	0.00036	0.00011	0.00002	0.00000	0.00000	0.00597
NORTHEAST	0.00203	0.00375	0.00058	0.00011	0.00009	0.00002	0.00000	0.00000	0.00657
EAST-NORTHEAST	0.00257	0.00558	0.00075	0.00002	0.00003	0.00003	0.00000	0.00000	0.00897
EAST	0.00314	0.00676	0.00079	0.00007	0.00000	0.00000	0.00000	0.00000	0.01077
EAST-SOUTHEAST	0.00374	0.00641	0.00105	0.00005	0.00000	0.00000	0.00000	0.00000	0.01124
SOUTHEAST	0.00309	0.00515	0.00139	0.00017	0.00003	0.00000	0.00000	0.00000	0.00983
SOUTH-SOUTHEAST	0.00262	0.00342	0.00069	0.00012	0.00003	0.00000	0.00000	0.00000	0.00688
SOUTH	0.00254	0.00280	0.00041	0.00011	0.00000	0.00001	0.00000	0.00000	0.00587
SOUTH-SOUTHWEST	0.00361	0.00278	0.00058	0.00030	0.00007	0.00010	0.00003	0.00000	0.00747
SOUTHWEST	0.00350	0.00488	0.00145	0.00043	0.00017	0.00003	0.00000	0.00000	0.01045
WEST-SOUTHWEST	0.00413	0.00933	0.00371	0.00072	0.00007	0.00002	0.00000	0.00000	0.01797
WEST	0.00382	0.00909	0.00419	0.00130	0.00020	0.00004	0.00000	0.00000	0.01863
WEST-NORTHWEST	0.00413	0.00673	0.00274	0.00140	0.00049	0.00007	0.00000	0.00000	0.01556
NORTHWEST	0.00409	0.00473	0.00085	0.00037	0.00023	0.00006	0.00000	0.00000	0.01034
NORTH-NORTHWEST	0.00379	0.00335	0.00069	0.00012	0.00005	0.00007	0.00002	0.00000	0.00808
TOTAL:	0.05164	0.07965	0.02136	0.00586	0.00170	0.00051	0.00005	0.00000	0.16076

TABLE 6.22. Continued

STATION: 13 100 - N AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS G: 6282.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 66579.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00192	0.00158	0.00027	0.00006	0.00006	0.00002	0.00000	0.00000	0.00380
NORTH-NORTHEAST	0.00149	0.00164	0.00031	0.00007	0.00002	0.00005	0.00000	0.00000	0.00358
NORTHEAST	0.00141	0.00216	0.00028	0.00005	0.00000	0.00005	0.00000	0.00000	0.00395
EAST-NORTHEAST	0.00185	0.00339	0.00022	0.00003	0.00002	0.00001	0.00000	0.00000	0.00553
EAST	0.00256	0.00454	0.00034	0.00001	0.00001	0.00000	0.00000	0.00000	0.00746
EAST-SOUTHEAST	0.00277	0.00414	0.00047	0.00000	0.00000	0.00000	0.00000	0.00000	0.00738
SOUTHEAST	0.00250	0.00349	0.00072	0.00011	0.00000	0.00000	0.00000	0.00000	0.00681
SOUTH-SOUTHEAST	0.00198	0.00213	0.00040	0.00005	0.00000	0.00000	0.00000	0.00000	0.00456
SOUTH	0.00190	0.00189	0.00013	0.00002	0.00000	0.00000	0.00000	0.00000	0.00395
SOUTH-SOUTHWEST	0.00278	0.00174	0.00033	0.00004	0.00009	0.00001	0.00000	0.00000	0.00499
SOUTHWEST	0.00256	0.00230	0.00050	0.00029	0.00010	0.00002	0.00000	0.00000	0.00578
WEST-SOUTHWEST	0.00303	0.00415	0.00156	0.00044	0.00005	0.00001	0.00000	0.00000	0.00924
WEST	0.00249	0.00439	0.00177	0.00058	0.00002	0.00001	0.00000	0.00000	0.00926
WEST-NORTHWEST	0.00293	0.00301	0.00099	0.00075	0.00014	0.00001	0.00000	0.00000	0.00783
NORTHWEST	0.00255	0.00230	0.00040	0.00017	0.00009	0.00002	0.00000	0.00000	0.00552
NORTH-NORTHWEST	0.00247	0.00199	0.00017	0.00008	0.00001	0.00000	0.00000	0.00000	0.00473
TOTAL:	0.03710	0.04485	0.00886	0.00275	0.00060	0.00020	0.00000	0.00000	0.09435

TABLE 6.23. Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the WNP-2 Facility Station

STATION: 14 WNP - 2 FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS A: 910.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 67045.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00013	0.00040	0.00012	0.00004	0.00000	0.00000	0.00000	0.00000	0.00068
NORTH-NORTHEAST	0.00011	0.00057	0.00016	0.00002	0.00000	0.00000	0.00000	0.00000	0.00087
NORTHEAST	0.00010	0.00056	0.00007	0.00001	0.00000	0.00000	0.00000	0.00000	0.00074
EAST-NORTHEAST	0.00016	0.00052	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00077
EAST	0.00011	0.00052	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.0006
EAST-SOUTHEAST	0.00014	0.00074	0.00008	0.00000	0.00000	0.00000	0.00000	0.00000	0.00096
SOUTHEAST	0.00004	0.00078	0.00015	0.00000	0.00000	0.00000	0.00000	0.00000	0.00097
SOUTH-SOUTHEAST	0.00008	0.00062	0.00031	0.00004	0.00000	0.00000	0.00000	0.00000	0.00105
SOUTH	0.00010	0.00067	0.00067	0.00019	0.00001	0.00000	0.00000	0.00000	0.00164
SOUTH-SOUTHWEST	0.00007	0.00083	0.00076	0.00050	0.00002	0.00000	0.00000	0.00000	0.00218
SOUTHWEST	0.00002	0.00037	0.00024	0.00023	0.00009	0.00001	0.00000	0.00000	0.00097
WEST-SOUTHWEST	0.00001	0.00026	0.00012	0.00006	0.00003	0.00000	0.00000	0.00000	0.00048
WEST	0.00001	0.00017	0.00006	0.00007	0.00003	0.00000	0.00001	0.00000	0.00035
WEST-NORTHWEST	0.00001	0.00029	0.00010	0.00008	0.00000	0.00000	0.00001	0.00000	0.00048
NORTHWEST	0.00002	0.00016	0.00008	0.00011	0.00004	0.00000	0.00000	0.00000	0.00042
NORTH-NORTHWEST	0.00006	0.00027	0.00010	0.00000	0.00000	0.00000	0.00000	0.00000	0.00043
TOTAL:	0.00119	0.00771	0.00306	0.00136	0.00022	0.00001	0.00001	0.00000	0.01357

STATION: 14 WNP - 2 FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS B: 10356.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 67045.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00193	0.00737	0.00375	0.00065	0.00005	0.00001	0.00000	0.00000	0.01376
NORTH-NORTHEAST	0.00216	0.00624	0.00252	0.00033	0.00012	0.00002	0.00000	0.00000	0.01139
NORTHEAST	0.00210	0.00467	0.00076	0.00020	0.00004	0.00001	0.00000	0.00000	0.00779
EAST-NORTHEAST	0.00194	0.00338	0.00037	0.00002	0.00000	0.00000	0.00000	0.00000	0.00571
EAST	0.00224	0.00290	0.00026	0.00001	0.00000	0.00000	0.00000	0.00000	0.00541
EAST-SOUTHEAST	0.00250	0.00392	0.00048	0.00003	0.00000	0.00000	0.00000	0.00000	0.00694
SOUTHEAST	0.00259	0.00448	0.00073	0.00004	0.00000	0.00000	0.00000	0.00000	0.00784
SOUTH-SOUTHEAST	0.00228	0.00821	0.00278	0.00020	0.00000	0.00000	0.00000	0.00000	0.01347
SOUTH	0.00216	0.00919	0.00647	0.00117	0.00004	0.00000	0.00000	0.00000	0.01904
SOUTH-SOUTHWEST	0.00173	0.00570	0.00634	0.00353	0.00052	0.00009	0.00000	0.00000	0.01791
SOUTHWEST	0.00158	0.00338	0.00260	0.00202	0.00048	0.00015	0.00001	0.00000	0.01022
WEST-SOUTHWEST	0.00115	0.00202	0.00119	0.00083	0.00032	0.00010	0.00001	0.00000	0.00562
WEST	0.00137	0.00189	0.00096	0.00056	0.00034	0.00006	0.00001	0.00000	0.00520
WEST-NORTHWEST	0.00168	0.00220	0.00114	0.00048	0.00012	0.00003	0.00000	0.00000	0.00565
NORTHWEST	0.00210	0.00344	0.00122	0.00069	0.00033	0.00000	0.00001	0.00000	0.00779
NORTH-NORTHWEST	0.00206	0.00598	0.00228	0.00034	0.00007	0.00000	0.00000	0.00000	0.01073
TOTAL:	0.03158	0.07498	0.03386	0.01111	0.00242	0.00048	0.00004	0.00000	0.15446

TABLE 6.23. Continued

STATION: 14 WNP - 2 FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS C: 9532.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 67045.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00182	0.00592	0.00392	0.00077	0.00005	0.00001	0.00000	0.00000	0.01249
NORTH-NORTHEAST	0.00150	0.00468	0.00201	0.00043	0.00012	0.00003	0.00000	0.00000	0.00878
NORTHEAST	0.00179	0.00383	0.00086	0.00019	0.00002	0.00000	0.00000	0.00000	0.00669
EAST-NORTHEAST	0.00145	0.00317	0.00036	0.00007	0.00000	0.00000	0.00000	0.00000	0.00505
EAST	0.00144	0.00191	0.00026	0.00001	0.00000	0.00000	0.00000	0.00000	0.00363
EAST-SOUTHEAST	0.00147	0.00243	0.00070	0.00003	0.00000	0.00000	0.00000	0.00000	0.00462
SOUTHEAST	0.00192	0.00314	0.00105	0.00014	0.00000	0.00001	0.00000	0.00000	0.00626
SOUTH-SOUTHEAST	0.00188	0.00592	0.00274	0.00032	0.00001	0.00000	0.00000	0.00000	0.01087
SOUTH	0.00214	0.00684	0.00535	0.00135	0.00010	0.00000	0.00000	0.00000	0.01577
SOUTH-SOUTHWEST	0.00197	0.00453	0.00571	0.00325	0.00064	0.00010	0.00001	0.00000	0.01621
SOUTHWEST	0.00168	0.00261	0.00291	0.00182	0.00062	0.00016	0.00002	0.00000	0.00981
WEST-SOUTHWEST	0.00128	0.00206	0.00193	0.00105	0.00029	0.00015	0.00002	0.00000	0.00678
WEST	0.00115	0.00084	0.00125	0.00078	0.00018	0.00006	0.00001	0.00000	0.00527
WEST-NORTHWEST	0.00167	0.00267	0.00159	0.00057	0.00021	0.00005	0.00000	0.00000	0.00676
NORTHWEST	0.00220	0.00474	0.00215	0.00089	0.00039	0.00010	0.00001	0.00000	0.01047
NORTH-NORTHWEST	0.00241	0.00660	0.00303	0.00060	0.00005	0.00003	0.00000	0.00000	0.01271
TOTAL:	0.02777	0.06288	0.03581	0.01228	0.00265	0.00070	0.00007	0.00000	0.14217

STATION: 14 WNP - 2 FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS D: 18739.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 67045.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00228	0.00776	0.00297	0.00115	0.00025	0.00000	0.00000	0.00000	0.01441
NORTH-NORTHEAST	0.00193	0.00546	0.00220	0.00099	0.00042	0.00008	0.00001	0.00000	0.01110
NORTHEAST	0.00179	0.00444	0.00174	0.00053	0.00013	0.00011	0.00000	0.00000	0.00875
EAST-NORTHEAST	0.00136	0.00287	0.00092	0.00009	0.00004	0.00000	0.00000	0.00000	0.00528
EAST	0.00123	0.00171	0.00036	0.00003	0.00000	0.00000	0.00000	0.00000	0.00333
EAST-SOUTHEAST	0.00128	0.00238	0.00089	0.00008	0.00000	0.00000	0.00000	0.00000	0.00463
SOUTHEAST	0.00188	0.00480	0.00249	0.00024	0.00002	0.00000	0.00000	0.00000	0.00944
SOUTH-SOUTHEAST	0.00223	0.01046	0.00550	0.00100	0.00002	0.00000	0.00000	0.00000	0.01921
SOUTH	0.00311	0.01339	0.00947	0.00254	0.00029	0.00000	0.00000	0.00000	0.02881
SOUTH-SOUTHWEST	0.00323	0.00924	0.00983	0.00762	0.00230	0.00055	0.00009	0.00000	0.03287
SOUTHWEST	0.00287	0.00607	0.00691	0.00571	0.00392	0.00112	0.00013	0.00000	0.02673
WEST-SOUTHWEST	0.00214	0.00469	0.00414	0.00302	0.00185	0.00051	0.00000	0.00000	0.01636
WEST	0.00237	0.00491	0.00508	0.00246	0.00092	0.00017	0.00001	0.00000	0.01594
WEST-NORTHWEST	0.00258	0.00710	0.00892	0.00521	0.00114	0.00013	0.00000	0.00000	0.02508
NORTHWEST	0.00319	0.01082	0.00995	0.00704	0.00346	0.00044	0.00005	0.00000	0.03494
NORTH-NORTHWEST	0.00342	0.01116	0.00550	0.00211	0.00040	0.00001	0.00001	0.00000	0.02262
TOTAL:	0.03690	0.10727	0.07687	0.03984	0.01517	0.00313	0.00031	0.00000	0.27950

TABLE 6.23. Continued

STATION: 14 WNP - 2 FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS E: 10563.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 67045.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00238	0.00709	0.00146	0.00039	0.00000	0.00000	0.00000	0.00000	0.01132
NORTH-NORTHEAST	0.00236	0.00407	0.00071	0.00012	0.00001	0.00000	0.00000	0.00000	0.00728
NORTHEAST	0.00166	0.00322	0.00063	0.00005	0.00000	0.00000	0.00000	0.00000	0.00556
EAST-NORTHEAST	0.00142	0.00171	0.00033	0.00001	0.00003	0.00000	0.00000	0.00000	0.00350
EAST	0.00101	0.00054	0.00013	0.00000	0.00001	0.00000	0.00000	0.00000	0.00169
EAST-SOUTHEAST	0.00079	0.0017	0.00026	0.00001	0.00000	0.00000	0.00000	0.00000	0.00216
SOUTHEAST	0.00132	0.00256	0.00092	0.00003	0.00002	0.00000	0.00000	0.00000	0.00484
SOUTH-SOUTHEAST	0.00207	0.00653	0.00342	0.00031	0.00003	0.00000	0.00000	0.00000	0.01236
SOUTH	0.00236	0.00889	0.00519	0.00093	0.00004	0.00001	0.00000	0.00000	0.01742
SOUTH-SOUTHWEST	0.00280	0.00640	0.00373	0.00174	0.00042	0.00006	0.00001	0.00000	0.01515
SOUTHWEST	0.00301	0.00388	0.00204	0.00146	0.00051	0.00014	0.00000	0.00000	0.01104
WEST-SOUTHWEST	0.00231	0.00311	0.00142	0.00054	0.00012	0.00001	0.00001	0.00000	0.00751
WEST	0.00256	0.00313	0.00167	0.00051	0.00012	0.00002	0.00001	0.00000	0.00802
WEST-NORTHWEST	0.00255	0.00578	0.00396	0.00152	0.00023	0.00003	0.00000	0.00000	0.01407
NORTHWEST	0.00313	0.00859	0.00528	0.00172	0.00055	0.00008	0.00000	0.00000	0.01935
NORTH-NORTHWEST	0.00297	0.00936	0.00325	0.00060	0.00009	0.00000	0.00000	0.00000	0.01627
TOTAL:	0.03469	0.07595	0.03439	0.00995	0.00219	0.00034	0.00003	0.00000	0.15755

STATION: 14 WNP - 2 FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS F: 10688.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 67045.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00298	0.00626	0.00113	0.00014	0.00001	0.00000	0.00000	0.00000	0.01052
NORTH-NORTHEAST	0.00227	0.00438	0.00045	0.00007	0.00004	0.00000	0.00000	0.00000	0.00722
NORTHEAST	0.00199	0.00451	0.00052	0.00005	0.00002	0.00000	0.00000	0.00000	0.00708
EAST-NORTHEAST	0.00184	0.00226	0.00048	0.00003	0.00001	0.00000	0.00000	0.00000	0.00462
EAST	0.00117	0.00065	0.00007	0.00003	0.00000	0.00000	0.00000	0.00000	0.00191
EAST-SOUTHEAST	0.00147	0.00120	0.00007	0.00001	0.00000	0.00000	0.00000	0.00000	0.00276
SOUTHEAST	0.00155	0.00293	0.00091	0.00007	0.00000	0.00000	0.00000	0.00000	0.00546
SOUTH-SOUTHEAST	0.00212	0.00765	0.00337	0.00027	0.00001	0.00000	0.00000	0.00000	0.01340
SOUTH	0.00309	0.01027	0.00502	0.00091	0.00007	0.00001	0.00000	0.00000	0.01936
SOUTH-SOUTHWEST	0.00373	0.00722	0.00285	0.00153	0.00021	0.00012	0.00003	0.00000	0.01570
SOUTHWEST	0.00341	0.00338	0.00166	0.00118	0.00044	0.00017	0.00002	0.00000	0.01026
WEST-SOUTHWEST	0.00333	0.00284	0.00074	0.00040	0.00010	0.00004	0.00000	0.00000	0.00745
WEST	0.00361	0.00305	0.00099	0.00024	0.00007	0.00000	0.00000	0.00000	0.00796
WEST-NORTHWEST	0.00391	0.00497	0.00260	0.00083	0.00012	0.00001	0.00000	0.00000	0.01243
NORTHWEST	0.00397	0.00864	0.00306	0.00092	0.00055	0.00008	0.00000	0.00000	0.01722
NORTH-NORTHWEST	0.00398	0.00926	0.00240	0.00036	0.00005	0.00000	0.00000	0.00000	0.01606
TOTAL:	0.04442	0.07947	0.02631	0.00704	0.00170	0.00043	0.00004	0.00000	0.15942

TABLE 6.23. Continued

STATION: 14 WNP - 2 FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS G: 6257.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 67045.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00149	0.00344	0.00067	0.00003	0.00001	0.00001	0.00000	0.00000	0.00566
NORTH-NORTHEAST	0.00144	0.00280	0.00041	0.00001	0.00000	0.00000	0.00000	0.00000	0.00466
NORTHEAST	0.00121	0.00248	0.00030	0.00001	0.00005	0.00000	0.00000	0.00000	0.00405
EAST-NORTHEAST	0.00112	0.00167	0.00016	0.00000	0.00003	0.00000	0.00000	0.00000	0.00298
EAST	0.00096	0.00055	0.00001	0.00000	0.00001	0.00000	0.00000	0.00000	0.00153
EAST-SOUTHEAST	0.00092	0.00061	0.00010	0.00000	0.00000	0.00000	0.00000	0.00000	0.00163
SOUTH-EAST	0.00106	0.00185	0.00057	0.00006	0.00000	0.00000	0.00000	0.00000	0.00355
SOUTH-SOUTHEAST	0.00155	0.00463	0.00212	0.00017	0.00001	0.00000	0.00000	0.00000	0.00847
SOUTH	0.00195	0.00595	0.00291	0.00030	0.00005	0.00000	0.00000	0.00000	0.01117
SOUTH-SOUTHWEST	0.00262	0.00453	0.00165	0.00048	0.00015	0.00004	0.00000	0.00000	0.00948
SOUTHWEST	0.00262	0.00187	0.00060	0.00061	0.00018	0.00005	0.00000	0.00000	0.00593
WEST-SOUTHWEST	0.00239	0.00134	0.00028	0.00026	0.00005	0.00001	0.00000	0.00000	0.00434
WEST	0.00246	0.00176	0.00041	0.00020	0.00004	0.00000	0.00000	0.00000	0.00487
WEST-NORTHWEST	0.00248	0.00272	0.00107	0.00028	0.00003	0.00000	0.00000	0.00000	0.00657
NORTHWEST	0.00291	0.00501	0.00158	0.00036	0.00012	0.00001	0.00000	0.00000	0.01000
NORTH-NORTHWEST	0.00222	0.00493	0.00117	0.00008	0.00002	0.00000	0.00000	0.00000	0.00843
TOTAL:	0.02941	0.04615	0.01401	0.00288	0.00075	0.00013	0.00000	0.00000	0.09333

TABLE 6.24. Joint Frequency Distribution of Atmospheric Stability (Pasquill Method), Wind Direction, and Wind Speed at the Hanford Meteorology Station

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS A: 943.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 68240.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS A

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00017	0.00081	0.00015	0.00002	0.00000	0.00000	0.00000	0.00000	0.00115
NORTH-NORTHEAST	0.00016	0.00064	0.00015	0.00000	0.00000	0.00000	0.00000	0.00000	0.00095
NORTHEAST	0.00018	0.00060	0.00010	0.00003	0.00000	0.00000	0.00000	0.00000	0.00091
EAST-NORTHEAST	0.00020	0.00057	0.00003	0.00003	0.00000	0.00000	0.00000	0.00000	0.00083
EAST	0.00019	0.00046	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000	0.00069
EAST-SOUTHEAST	0.00018	0.00059	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00080
SOUTHEAST	0.00015	0.00071	0.00003	0.00002	0.00000	0.00000	0.00000	0.00000	0.00090
SOUTH-SOUTHEAST	0.00009	0.00058	0.00007	0.00001	0.00000	0.00000	0.00000	0.00000	0.00074
SOUTH	0.00014	0.00052	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000	0.00072
SOUTH-SOUTHWEST	0.00013	0.00055	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00079
SOUTHWEST	0.00005	0.00047	0.00017	0.00018	0.00008	0.00001	0.00000	0.00000	0.00097
WEST-SOUTHWEST	0.00003	0.00029	0.00028	0.00013	0.00003	0.00001	0.00000	0.00000	0.00073
WEST	0.00006	0.00024	0.00011	0.00008	0.00000	0.00001	0.00000	0.00000	0.00051
WEST-NORTHWEST	0.00008	0.00044	0.00010	0.00014	0.00001	0.00000	0.00000	0.00000	0.00077
NORTHWEST	0.00022	0.00060	0.00018	0.00023	0.00006	0.00000	0.00000	0.00000	0.00130
NORTH-NORTHWEST	0.00011	0.00071	0.00018	0.00005	0.00000	0.00000	0.00000	0.00000	0.00105
TOTAL:	0.00212	0.00879	0.00177	0.00092	0.00018	0.00003	0.00000	0.00000	0.01382

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS B: 10614.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 68240.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS B

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00390	0.00903	0.00203	0.00012	0.00000	0.00000	0.00000	0.00000	0.01508
NORTH-NORTHEAST	0.00466	0.00726	0.00156	0.00040	0.00005	0.00001	0.00000	0.00000	0.01395
NORTHEAST	0.00353	0.00584	0.00086	0.00023	0.00003	0.00001	0.00000	0.00000	0.01051
EAST-NORTHEAST	0.00277	0.00412	0.00041	0.00008	0.00000	0.00000	0.00000	0.00000	0.00738
EAST	0.00249	0.00418	0.00025	0.00000	0.00000	0.00000	0.00000	0.00000	0.00691
EAST-SOUTHEAST	0.00223	0.00479	0.00040	0.00000	0.00000	0.00000	0.00000	0.00000	0.00742
SOUTHEAST	0.00182	0.00421	0.00061	0.00005	0.00000	0.00000	0.00000	0.00000	0.00670
SOUTH-SOUTHEAST	0.00134	0.00351	0.00061	0.00009	0.00001	0.00000	0.00000	0.00000	0.00557
SOUTH	0.00131	0.00289	0.00059	0.00013	0.00003	0.00000	0.00000	0.00000	0.00494
SOUTH-SOUTHWEST	0.00126	0.00241	0.00112	0.00055	0.00014	0.00001	0.00000	0.00000	0.00550
SOUTHWEST	0.00129	0.00301	0.00227	0.00129	0.00053	0.00007	0.00000	0.00000	0.00845
WEST-SOUTHWEST	0.00120	0.00290	0.00210	0.00166	0.00042	0.00019	0.00000	0.00000	0.00847
WEST	0.00151	0.00301	0.00147	0.00078	0.00008	0.00006	0.00000	0.00000	0.00693
WEST-NORTHWEST	0.00154	0.00453	0.00264	0.00107	0.00010	0.00000	0.00000	0.00000	0.00988
NORTHWEST	0.00244	0.00863	0.00621	0.00199	0.00043	0.00006	0.00001	0.00000	0.01977
NORTH-NORTHWEST	0.00315	0.01120	0.00322	0.00047	0.00003	0.00000	0.00000	0.00000	0.01807
TOTAL:	0.03644	0.08152	0.02635	0.00891	0.00188	0.00042	0.00001	0.00000	0.15554

TABLE 6.24. Continued

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS C: 9710.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 68240.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS C

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00244	0.00632	0.00196	0.00024	0.00002	0.00000	0.00000	0.00000	0.01098
NORTH-NORTHEAST	0.00239	0.00477	0.00204	0.00048	0.00015	0.00000	0.00000	0.00000	0.00983
NORTHEAST	0.00237	0.00342	0.00090	0.00029	0.00005	0.00000	0.00000	0.00000	0.00704
EAST-NORTHEAST	0.00195	0.00286	0.00054	0.00015	0.00004	0.00000	0.00000	0.00000	0.00554
EAST	0.00156	0.00286	0.00036	0.00001	0.00000	0.00000	0.00000	0.00000	0.00478
EAST-SOUTHEAST	0.00146	0.00312	0.00050	0.00000	0.00000	0.00000	0.00000	0.00000	0.00508
SOUTHEAST	0.00162	0.00353	0.00086	0.00007	0.00000	0.00000	0.00000	0.00000	0.00609
SOUTH-SOUTHEAST	0.00109	0.00258	0.00075	0.00015	0.00002	0.00000	0.00000	0.00000	0.00459
SOUTH	0.00117	0.00235	0.00069	0.00025	0.00005	0.00001	0.00000	0.00000	0.00452
SOUTH-SOUTHWEST	0.00105	0.00223	0.00152	0.00047	0.00015	0.00003	0.00000	0.00000	0.00545
SOUTHWEST	0.00084	0.00290	0.00260	0.00150	0.00058	0.00009	0.00001	0.00000	0.00851
WEST-SOUTHWEST	0.00111	0.00282	0.00353	0.00184	0.00036	0.00016	0.00000	0.00000	0.00983
WEST	0.00117	0.00323	0.00243	0.00092	0.00004	0.00004	0.00000	0.00000	0.00782
WEST-NORTHWEST	0.00162	0.00601	0.00527	0.00111	0.00022	0.00006	0.00000	0.00000	0.01429
NORTHWEST	0.00200	0.00919	0.00917	0.00211	0.00069	0.00012	0.00000	0.00000	0.02329
NORTH-NORTHWEST	0.00262	0.00805	0.00334	0.00057	0.00008	0.00000	0.00000	0.00000	0.01465
TOTAL:	0.02645	0.06624	0.03646	0.01016	0.00246	0.00051	0.00001	0.00000	0.14229

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS D: 19113.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 68240.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS D

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00126	0.00410	0.00182	0.00061	0.00020	0.00002	0.00001	0.00000	0.00803
NORTH-NORTHEAST	0.00126	0.00317	0.00157	0.00130	0.00048	0.00009	0.00000	0.00000	0.00787
NORTHEAST	0.00099	0.00240	0.00131	0.00086	0.00019	0.00000	0.00000	0.00000	0.00574
EAST-NORTHEAST	0.00093	0.00272	0.00090	0.00032	0.00010	0.00000	0.00000	0.00000	0.00497
EAST	0.00110	0.00336	0.00084	0.00005	0.00001	0.00000	0.00000	0.00000	0.00536
EAST-SOUTHEAST	0.00122	0.00393	0.00103	0.00005	0.00000	0.00000	0.00000	0.00000	0.00622
SOUTHEAST	0.00114	0.00476	0.00258	0.00026	0.00000	0.00000	0.00000	0.00000	0.00875
SOUTH-SOUTHEAST	0.00098	0.00345	0.00277	0.00103	0.00013	0.00001	0.00000	0.00000	0.00837
SOUTH	0.00075	0.00322	0.00243	0.00134	0.00024	0.00008	0.00001	0.00000	0.00808
SOUTH-SOUTHWEST	0.00085	0.00412	0.00339	0.00353	0.00150	0.00049	0.00001	0.00000	0.01389
SOUTHWEST	0.00094	0.00539	0.00673	0.00736	0.00356	0.00077	0.00012	0.00001	0.02488
WEST-SOUTHWEST	0.00103	0.00776	0.01176	0.00735	0.00193	0.00042	0.00001	0.00000	0.03026
WEST	0.00121	0.00977	0.01242	0.00420	0.00059	0.00015	0.00000	0.00000	0.02833
WEST-NORTHWEST	0.00103	0.01343	0.02264	0.01234	0.00278	0.00017	0.00000	0.00000	0.05239
NORTHWEST	0.00120	0.01168	0.02047	0.01406	0.00526	0.00071	0.00003	0.00000	0.05340
NORTH-NORTHWEST	0.00110	0.00691	0.00405	0.00138	0.00011	0.00000	0.00000	0.00000	0.01354
TOTAL:	0.01698	0.09014	0.09670	0.05605	0.01707	0.00292	0.00021	0.00001	0.28008

TABLE 6.24. Continued

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS E: 10755.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 68240.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS E

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00064	0.00177	0.00060	0.00011	0.00002	0.00000	0.00000	0.00000	0.00314
NORTH-NORTHEAST	0.00050	0.00112	0.00033	0.00021	0.00001	0.00000	0.00000	0.00000	0.00215
NORTHEAST	0.00049	0.00085	0.00058	0.00012	0.00000	0.00000	0.00000	0.00000	0.00205
EAST-NORTHEAST	0.00041	0.00095	0.00022	0.00006	0.00003	0.00000	0.00000	0.00000	0.00167
EAST	0.00061	0.00120	0.00022	0.00001	0.00000	0.00000	0.00000	0.00000	0.00204
EAST-SOUTHEAST	0.00088	0.00191	0.00041	0.00000	0.00000	0.00000	0.00000	0.00000	0.00320
SOUTHEAST	0.00078	0.00298	0.00161	0.00008	0.00004	0.00000	0.00000	0.00000	0.00549
SOUTH-SOUTHEAST	0.00084	0.00272	0.00145	0.00014	0.00002	0.00000	0.00000	0.00000	0.00517
SOUTH	0.00063	0.00237	0.00067	0.00026	0.00010	0.00000	0.00000	0.00000	0.00404
SOUTH-SOUTHWEST	0.00077	0.00301	0.00140	0.00035	0.00012	0.00003	0.00000	0.00000	0.00567
SOUTHWEST	0.00098	0.00454	0.00281	0.00117	0.00023	0.00006	0.00000	0.00000	0.00979
WEST-SOUTHWEST	0.00081	0.00913	0.00668	0.00130	0.00015	0.00001	0.00000	0.00000	0.01808
WEST	0.00093	0.01160	0.00836	0.00100	0.00007	0.00000	0.00000	0.00000	0.02196
WEST-NORTHWEST	0.00110	0.01482	0.01635	0.00322	0.00056	0.00000	0.00000	0.00000	0.03605
NORTHWEST	0.00101	0.01128	0.01240	0.00313	0.00072	0.00015	0.00000	0.00000	0.02869
NORTH-NORTHWEST	0.00105	0.00480	0.00219	0.00030	0.00007	0.00000	0.00000	0.00000	0.00841
TOTAL:	0.01243	0.07506	0.05629	0.01144	0.00214	0.00025	0.00000	0.00000	0.15761

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS F: 10887.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 68240.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS F

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00222	0.00265	0.00032	0.00012	0.00001	0.00000	0.00000	0.00000	0.00532
NORTH-NORTHEAST	0.00161	0.00191	0.00027	0.00010	0.00003	0.00000	0.00000	0.00000	0.00392
NORTHEAST	0.00163	0.00136	0.00022	0.00008	0.00000	0.00000	0.00000	0.00000	0.00329
EAST-NORTHEAST	0.00158	0.00141	0.00011	0.00000	0.00002	0.00000	0.00000	0.00000	0.00312
EAST	0.00178	0.00201	0.00012	0.00001	0.00003	0.00000	0.00000	0.00000	0.00395
EAST-SOUTHEAST	0.00251	0.00311	0.00024	0.00001	0.00000	0.00000	0.00000	0.00000	0.00588
SOUTHEAST	0.00237	0.00405	0.00065	0.00005	0.00000	0.00000	0.00000	0.00000	0.00713
SOUTH-SOUTHEAST	0.00181	0.00388	0.00088	0.00012	0.00002	0.00001	0.00000	0.00000	0.00672
SOUTH	0.00214	0.00344	0.00054	0.00018	0.00008	0.00004	0.00000	0.00000	0.00642
SOUTH-SOUTHWEST	0.00188	0.00387	0.00071	0.00036	0.00019	0.00004	0.00001	0.00000	0.00706
SOUTHWEST	0.00207	0.00448	0.00131	0.00099	0.00024	0.00012	0.00000	0.00000	0.00923
WEST-SOUTHWEST	0.00253	0.00939	0.00356	0.00078	0.00015	0.00003	0.00000	0.00000	0.01645
WEST	0.00264	0.01265	0.00415	0.00048	0.00001	0.00000	0.00000	0.00000	0.01992
WEST-NORTHWEST	0.00339	0.01481	0.00792	0.00188	0.00024	0.00000	0.00000	0.00000	0.02824
NORTHWEST	0.00290	0.01212	0.00561	0.00198	0.00058	0.00004	0.00000	0.00000	0.02324
NORTH-NORTHWEST	0.00265	0.00572	0.00112	0.00015	0.00002	0.00000	0.00000	0.00000	0.00966
TOTAL:	0.03570	0.08687	0.02774	0.00731	0.00163	0.00028	0.00001	0.00000	0.15954

TABLE 6.24. Continued

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN AT: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END AT: 12/31/89 AT 2400 PST
 NUMBER OF HOURS OF DATA FOR PASQUILL STABILITY CLASS G: 6218.
 TOTAL NUMBER OF HOURS OF DATA FOR ALL STABILITY CLASSES: 68240.

FREQUENCY DISTRIBUTION OF WIND DIRECTION AND WIND SPEED FOR ATMOSPHERIC STABILITY CLASS G

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS, MPH								TOTAL
	1 - 3	4 - 7	8 - 12	13 - 18	19 - 24	25 - 31	32 - 38	>38	
NORTH	0.00197	0.00141	0.00016	0.00001	0.00002	0.00000	0.00000	0.00000	0.00358
NORTH-NORTHEAST	0.00159	0.00073	0.00006	0.00004	0.00002	0.00000	0.00000	0.00000	0.00245
NORTHEAST	0.00143	0.00103	0.00002	0.00005	0.00001	0.00000	0.00000	0.00000	0.00254
EAST-NORTHEAST	0.00133	0.00070	0.00003	0.00004	0.00000	0.00000	0.00000	0.00000	0.00210
EAST	0.00154	0.00108	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00266
EAST-SOUTHEAST	0.00223	0.00196	0.00009	0.00000	0.00000	0.00000	0.00000	0.00000	0.00428
SOUTHEAST	0.00268	0.00274	0.00025	0.00002	0.00000	0.00000	0.00000	0.00000	0.00570
SOUTH-SOUTHEAST	0.00192	0.00220	0.00034	0.00003	0.00000	0.00000	0.00000	0.00000	0.00448
SOUTH	0.00181	0.00192	0.00018	0.00004	0.00001	0.00001	0.00001	0.00000	0.00398
SOUTH-SOUTHWEST	0.00167	0.00167	0.00033	0.00021	0.00011	0.00005	0.00002	0.00000	0.00406
SOUTHWEST	0.00181	0.00297	0.00056	0.00053	0.00014	0.00002	0.00000	0.00000	0.00604
WEST-SOUTHWEST	0.00234	0.00403	0.00140	0.00039	0.00008	0.00000	0.00000	0.00000	0.00824
WEST	0.00232	0.00531	0.00160	0.00016	0.00000	0.00000	0.00000	0.00000	0.00939
WEST-NORTHWEST	0.00328	0.00659	0.00313	0.00082	0.00010	0.00000	0.00000	0.00000	0.01392
NORTHWEST	0.00305	0.00537	0.00247	0.00082	0.00010	0.00000	0.00000	0.00000	0.01182
NORTH-NORTHWEST	0.00264	0.00290	0.00028	0.00006	0.00001	0.00000	0.00000	0.00000	0.00589
TOTAL:	0.03360	0.04261	0.01095	0.00324	0.00062	0.00007	0.00003	0.00000	0.09112

7.0 SAND DRIFT POTENTIAL

In this section, we present climatological summaries of the average sand drift potential at selected monitoring stations. The transport and accumulation of sand are a function of a number of factors. These factors include wind speed, atmospheric turbulence, surface roughness, ground cover, ground temperature, soil moisture content and soil structure, and particle size distribution. The effect of each factor and the interaction between factors are extremely complicated and difficult to quantify. The problem is further compounded by the spatial and temporal variation of the factors influencing sand drift. A simplified approach to the problem of sand transport is to constrain our examination to the effect of the wind on sand transport. Then, we can estimate a potential sand transport that is relatively independent of the current soil characteristics and vegetation in an area.

The potential for sand transport is an important issue in a number of Hanford studies. One of these studies is the Hanford protective barrier program. Protective barriers are being designed to isolate waste disposal sites from the environment by minimizing the percolation of precipitation, human and animal intrusion, and plant growth into the waste zone. The conceptual design for a protective barrier in an arid climate (Phillips et al. 1985, Wing 1990) uses a multilayer system of fine- and coarse-grained materials. The design utilizes the concept of capillary barriers. Saturation of an overlying fine-grained sediment must occur before moisture can migrate into an underlying coarse-grained sediment. The fine-grained sediment needs to have a high moisture retention capacity, acting as a reservoir for precipitation until evapotranspiration can recycle the moisture back to the atmosphere. A vegetative cover and a gravel admixture are also designed for the fine surface layer to increase evapotranspiration and stabilize the surface soil.

The long-term performance of this barrier design depends in part on maintaining an adequate thickness of the fine soil layer. Erosion of the fine soil by wind is a major concern. Eolian processes, the transport and deposition of soil and sand by wind activity, are active at the Hanford Site.

Wind-derived material and deposits mantle much of the surface at Hanford. Active and stabilized sand dune fields are present, and dust storms occur periodically. "Blowouts", bowl-shaped depressions where wind erosion has scoured out the sand from a central area but vegetation has stabilized the edges of the feature, are found throughout the Hanford Site. Blowouts generally form when stabilizing vegetation is removed or damaged. Damage to vegetation can occur during construction activities and range fires; high-speed winds can also undermine vegetation in particularly susceptible areas. Significant quantities of sand can be removed from a blowout before vegetation can reestablish itself and stabilize the feature.

The movement of sand is dependent on winds with a speed above a specific threshold value. Wind tunnel experiments and field studies have demonstrated that for simple systems, the quantity of sand moved (the sand drift) is related to the cube of the wind speed and the threshold speed for sand movement. The actual movement of soil or sand particles by the wind occurs through one of three mechanisms: suspension, saltation, and surface creep.

In suspension, soil particles are born aloft by the wind and carried large distances. To be carried aloft, the suspended particles must have a settling velocity that is lower than the initial upward velocity of the turbulent eddy that disturbs the particle. In the saltation process, primarily very fine sand particles move in a series of short bounces. This initial movement has been related to the Bernoulli effect of wind flowing over the top of surface particles. Detailed studies of saltation show that initial movement of the particle will be a vertical jump of up to 10 in. (25 cm). Once the particle leaves the surface, it gains horizontal momentum from the wind as it rises and falls back toward the surface. On returning to the surface, the individual particle can rebound and continue moving by saltation or impart its momentum to other soil and sand particles.

Surface creep results from aerodynamic drag on large particles or when a descending particle strikes a larger particle and imparts its momentum to the larger particle. If a particle is too large for saltation, the larger particle may move by "creeping" along the surface. In general, particles with diameters between 0.004 and 0.02 in. (0.1 and 0.5 mm) are the most

likely candidates for saltation, and particles between 0.02 and 0.04 in. (0.5 and 1 mm) are more likely to move by surface creep (Sehmel 1980).

Saltation generally accounts for the bulk of the movement of most soils. Depending on the particle size distribution, between 50% and 75% of material is moved by saltation, 5% to 25% by surface creep, and 3% to 40% by suspension.

The rate of eolian sand drift is a power function of wind speed, and the interaction of wind energy with the surface is actually determined from wind tunnel and field studies of the shear stress applied to the surface by the wind. Because a direct measure of surface shear stress is difficult, a related parameter, termed the friction velocity, is determined from the shape of the air-flow boundary layer immediately over the surface. Friction velocity is defined as the square root of the ratio of the surface shear stress to the density of the air, and it has units of length divided by time, hence the name "velocity." A second parameter, aerodynamic surface roughness, is also derived from the shape of the boundary layer immediately over the surface, and it provides a measure of the height above the surface at which the average wind speed is equal to zero. Aerodynamic surface roughness is often approximately one-tenth of the characteristic height of surface roughness elements.

For dune sand having a mass median particle size of 0.01 in. (0.25 mm), Bagnold (1941) determined the threshold friction velocity, the velocity at which sand grains begin to saltate, to be about 0.5 mph (0.22 m/s). This is called the fluid threshold velocity as saltation is initiated solely by the aerodynamic pressure of the wind. Once saltation is initiated, it may be maintained even if the wind speed is reduced to less than the fluid threshold. This occurs because the energy supplied to the surface by impacting sand grains is sufficient to maintain saltation until wind speed is reduced to less than a lower impact threshold. For the same dune sand, Bagnold identified the impact threshold friction velocity as 0.43 mph (0.19 m/s). While the aerodynamic roughness of sand might be expected to be on the order of 0.001 in. (0.02 mm), the roughness height for a sand surface in saltation was found to be much greater, perhaps influenced by the height of microtopographical structures such as ripples. Bagnold reported surface

roughness heights of 0.12 in. (3 mm) for single-sized 0.01 in. (0.25 mm) sand, and 0.4 in. (10 mm) for the naturally graded dune sand discussed above.

Because wind speed data are generated at specific elevations above the surface [typically 30 ft (9.1 m)], the relationship between wind speed and surface stress must be determined by consideration of the air-flow boundary layer between the surface and the elevation at which wind speed is measured. Prandtl (1926) first presented the turbulent flow velocity distribution over a rough surface:

$$u = 5.75 \cdot (u_*') \cdot \log(z/k) \quad (7.1)$$

where u is mean wind speed measured at an elevation z , u_*' is the friction velocity, and k is the aerodynamic surface roughness. For a sand surface in saltation, Bagnold modified Equation (7.1) to account for the drag force of the saltating sand particles on the air-flow boundary layer:

$$u = 5.75 \cdot (u_*'_{\text{imp}}) \cdot \log(z/k') + u_{tk}' \quad (7.2)$$

where $u_*'_{\text{imp}}$ is the impact friction velocity influenced by sand movement, and u_{tk}' is the impact threshold velocity measured at an enhanced surface roughness height k' . Using Bagnold's value of 5.6 mph (2.5 m/s) for u_{tk}' , we calculate the mean wind speed u_t measured at an elevation of 30 ft (9.1 m/s) that corresponds to the threshold of sand particle saltation, for the sand considered herein, to be 13 mph (5.7 m/s).

A number of parameterizations exist for estimating sand and soil particle drift potential due to the action of wind. O'Brien and Rindlaub (1936) and Bagnold (1941) proposed a relationship of the form where the sand drift potential (q) is proportional to u^3 , which Bagnold provided in the form:

$$q = C \cdot (0.174 / \log[z/k'])^3 \cdot (d/D)^{1/2} \cdot (r/g) \cdot (u - u_t)^3 \quad (7.3)$$

where $C = 1.8$ and $d/D = 1$ for the sand described above, and r and g are the air density and gravitational acceleration, respectively. The units of drift

potential from Equation (7.3) are mass per unit width per time. Fryberger (1979) estimated sand drift potential using:

$$q = c \cdot u^2 \cdot (u - u_t) \quad (7.4)$$

where c is an empirical constant related to site-specific particle characteristics. Gillette (1979) proposed that the approximation that q is proportional to u^3 was appropriate for sands and soils having few nonerodible roughness elements and for high speed winds.

The calculations of sand drift potential presented in this section were made using Equation (7.3) with the values of C and d/D discussed above, an average value for the air density at Hanford, and the standard value for gravitational acceleration. This reduces Equation (7.3) to the form:

$$q = 0.046 \cdot (u - u_t)^3 \quad (7.5)$$

where the constant has units of gs^2/m^4 , u and u_t are in m/s , and q is in g/ms . Using this equation, wind speeds of 5.7, 7.5, 10, 15, 20, and 25 m/s (13.0, 16.7, 22.3, 33.5, 44.6, and 55.8 mph) and a corresponding threshold wind speed for sand particle saltation of 5.7 m/s (13 mph) produce sand drift potentials of 0, 0.23, 3.4, 36, 130, and 330 g/ms , respectively.

This method for estimating sand drift potential does not consider the influences of a large number of wind and surface conditions; however, consideration of all parameters influencing wind erosion is outside the scope of this report. Although hourly average wind speeds were considered, transient wind events such as turbulence and gusts are potentially of first-order importance with respect to wind erosion (Fan and Disrud 1977). Surface material properties and characteristics that relate to the erodible nature of soils and sands, topographical and plant cover characteristics, and diurnal and seasonal variations all provide site-specific influences on actual rates of sand drift potential. These parameters should be considered in definitive studies of the sand transport potential of specific sites.

The wind data used to compute sand transport in this section are the same data presented in Sections 5 and 6 (data from January 1, 1982 through

December 31, 1989). Sand drift potentials are only presented for monitoring stations at which sand transport may be of concern. Stations located at the summit or on the slopes of mountains, or at more than several miles from the Hanford Site are not included in this analysis. Stations at, or on the slopes of mountains include the Rattlesnake Mountain, Emergency Operations Center, and Gable Mountain stations. Stations well outside of the Hanford Site include the Wahluke, Sagehill, and Pasco stations. Eight full years of data (just under 70,000 hourly data records) were available for 15 of the 19 monitoring stations examined; a smaller data base were available for the 200 West, 100-F Area, Gable West, and Vernita stations (as described in Section 5). As a result, the sand transport potentials presented for the 200 West, 100-F, Gable West, and Vernita stations may not be as climatologically representative as the data for the other stations. A problem with the processing of wind speed data at the 100-N, 300 Area, and FFTF monitoring stations appears to have produced slightly higher estimates of wind speeds than appropriate under some conditions. As a result, the actual sand drift potentials for these stations are probably a little less than the values reported in this section's tables and figures.

In Table 7.1, the average sand transport potential is presented for each station using all available data from the study period. In Tables 7.2 through 7.5, separate sand drift potentials are presented using data collected during the winter, spring, summer, and fall. In Tables 7.1 through 7.5, the top line of each frequency distribution's heading gives the station identification number and name. The second line gives the name of the season and the time of day being examined. The season category may be "ALL", "WINTER", "SPRING", "SUMMER", or "FALL". The category "ALL" indicates that sand drift potential is computed using wind data from throughout the years (independent of the season) that were included in the generation of the frequency distribution. The time-of-day category will be "ALL" for all of the sand drift potentials presented in the tables. Distinctions based on time of day are presented in the figures discussed below, but they are not presented in these tables.

In the data summary, the beginning and ending dates for the data analyzed from this station are provided, and the total number of hours of wind data processed to compute the sand drift potential is also provided. In the tables,

wind data processed to compute the sand drift potential is also provided. In the tables, sand drift potentials are distributed between direction sectors in the same manner as described in Section 5. In addition to reporting an average sand drift potential (a scalar quantity) for each table, a vector sum is computed using the average sand drift potentials from each of the reported direction sectors. This vector sum is called the resultant sand drift potential.

In Figure 7.1, we present a background map of the Hanford Site showing the stations for which sand drift potentials are calculated. In Figures 7.2 through 7.22, the directional components of the sand drift potentials are plotted for selected monitoring stations on a background map of the Hanford Site. Information is presented using "sand roses". Sand roses are similar to wind roses; sand roses indicate the magnitude of the sand drift potential generated by the winds from each direction sector instead of the frequency of occurrence of winds from each sector.

Figure 7.2 displays sand roses created using all available data from the study period, Figures 7.3 through 7.6 display sand roses for each season, and Figures 7.7 through 7.22 display sand roses for each season and time-of-day category. Four time-of-day categories are used, each representing one quarter of the available hourly averaged data per day. The four categories are "0100 to 0600", "0700 to 1200", "1300 to 1800", "1900 to 2400" and each represents 6 h of hourly averaged data. This level of detail, displaying sand drift potential as a function of the season and time of day, illustrates the large seasonal and diurnal variation in sand transport potential.

In the sand roses, the length of the line extending in a particular direction from a station location is proportional to the average sand drift potential resulting from high speed winds blowing from the indicated sector toward the station. The same scale for sand drift potential is used in all the figures in this section.

It is beyond the scope of this document to provide a comprehensive analysis of all the information presented in the tables and figures on the following pages. We will, however, provide a brief discussion of some of the major features illustrated in Figures 7.2 through 7.22. An analysis of the sand roses for the Hanford Site using all available data shows that, in the

southern half of the site, most sand drift potential is the result of winds from the southwest. Winds from the west and northwest also have some sand transport potential, but for most of these southern stations these components are small compared to the influence of southwesterly winds. In the northern portions of the Hanford Site, sand drift potential is dominated by winds from the northwest, west, and southwest. At some of these northern stations, the sand drift potential is evenly distributed between these three wind directions, while at other stations one or two of these three directions may dominate.

Looking at the sand roses as a function of the seasons (Figures 7.3 through 7.6), we observe that, in the winter, the sand drift potential is dominated at almost all of the stations by winds from the southwest. The magnitude of the sand drift potential is greater for stations in the southern half of the site. In the spring, the sand drift potential is governed by winds from the southwest, west, and north. The magnitude of the sand drift potential is about the same for stations in the northern and southern halves of the site. In the summer, the sand drift potential is governed by winds from the northwest. The magnitude of the sand drift potential is greater for stations in the northern half of the site; stations in the extreme southern portion of the site have low sand drift potentials. In the fall, the sand drift potential tends to be dominated by winds from the southwest. The magnitude of the sand drift potential is greater for stations in the southern half of the site; most stations in the northern half of the site have low sand drift potentials.

Looking at the sand roses as a function of the seasons and time of day (Figures 7.7 through 7.22) makes some interesting features apparent. In the winter, the sand drift potential tends to be slightly higher from early afternoon through midnight than from midnight to noon. Winds from the southwest tend to govern the sand drift potential. In the spring, both the magnitude and direction of the sand drift potential change as a function of the time of day. The sand drift potential is low in the early morning hours, increases during the late morning period (dominated by winds from the southwest), becomes stronger in the afternoon (dominated by winds from the southwest through northwest), and decreases during the evening (with winds

from the northwest dominating at most stations). In the summer, the sand drift potential is low from midnight through noon, increases significantly in the afternoon (dominated by winds from the northwest and west), and increases further in the evening as winds from the northwest produce the largest observed sand drift potentials for any period at stations in the northern half of the site. In the fall, the sand drift potential tends to be low from midnight to noon, increases during the afternoon, and decreases again during the evening. Winds from the southwest tend to govern the sand drift potential.

The seasonal and time-of-day variations in sand drift potential are quite significant. These diurnal variations occur as a result of local and regional circulation patterns that are caused by differential rates of surface heating and cooling. Local circulations can arise from temperature differences between Rattlesnake Mountain and lower elevation terrain to the east; regional circulations can arise from temperature differences between the eastern slopes of the Cascade Mountains and the rest of semi-arid eastern Washington. During some months, characteristic diurnal circulations occur with great frequency. For example, after sunset in the summer months, a strong, low-level drainage wind from the northwest typically dominates the meteorology of the northwestern portion of the Hanford Site. This drainage wind is the result of cool air draining off the Cascade Mountains and local ridges. This wind will sometimes impact the southern half of the Hanford Site, but the high-speed winds associated with this drainage flow in the northern portion of the Hanford Site are seldom experienced in the southern portion of the site. In addition to diurnal circulations, the timing of large-scale storm systems is also impacted by temperature differences between the Pacific Ocean and the Pacific Northwest. The movement of storm systems is impacted by this temperature difference so that a disproportionate number of storms reach the Hanford Site in the late afternoon and evening hours.

TABLE 7.1. Average Sand Drift Potentials at Monitoring Sites Using all Available Data from the Study Period.

STATION: 1 PROSSER BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 65224.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0006	0.0038	0.0031	0.0000	0.0000	0.0000	0.0000	0.0000	0.0075
NORTHEAST	0.0001	0.0013	0.0038	0.0018	0.0000	0.0000	0.0000	0.0000	0.0071
EAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTH	0.0006	0.0025	0.0019	0.0004	0.0000	0.0000	0.0000	0.0000	0.0054
SOUTHWEST	0.0027	0.0290	0.0715	0.0194	0.0048	0.0000	0.0000	0.0000	0.1274
WEST	0.0006	0.0084	0.0108	0.0017	0.0018	0.0000	0.0000	0.0000	0.0232
NORTHWEST	0.0013	0.0121	0.0124	0.0004	0.0000	0.0000	0.0000	0.0000	0.0263
TOTAL:	0.0060	0.0573	0.1035	0.0237	0.0066	0.0000	0.0000	0.0000	0.1971

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.197

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.142 FROM THE SOUTHWEST

STATION: 3 ARMY LOOP ROAD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66657.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0016	0.0019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0038
NORTHEAST	0.0001	0.0014	0.0044	0.0000	0.0000	0.0000	0.0000	0.0000	0.0059
EAST	0.0001	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTHEAST	0.0002	0.0005	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011
SOUTH	0.0002	0.0015	0.0046	0.0006	0.0024	0.0015	0.0000	0.0000	0.0108
SOUTHWEST	0.0009	0.0204	0.0872	0.0391	0.0172	0.0075	0.0000	0.0000	0.1723
WEST	0.0014	0.0132	0.0296	0.0038	0.0024	0.0000	0.0000	0.0000	0.0504
NORTHWEST	0.0015	0.0187	0.0244	0.0016	0.0000	0.0000	0.0000	0.0000	0.0462
TOTAL:	0.0046	0.0576	0.1528	0.0451	0.0220	0.0090	0.0000	0.0000	0.2910

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.291

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.220 FROM THE SOUTHWEST

TABLE 7.1. Continued

STATION: 4 RATTLESNAKE SPRINGS

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66652.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
NORTHEAST	0.0001	0.0008	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011
EAST	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0002	0.0041	0.0106	0.0007	0.0000	0.0000	0.0000	0.0000	0.0156
SOUTHWEST	0.0014	0.0219	0.0363	0.0101	0.0039	0.0000	0.0000	0.0000	0.0734
WEST	0.0017	0.0097	0.0099	0.0003	0.0000	0.0000	0.0000	0.0000	0.0216
NORTHWEST	0.0009	0.0053	0.0012	0.0001	0.0000	0.0000	0.0000	0.0000	0.0075
TOTAL:	0.0044	0.0421	0.0582	0.0112	0.0039	0.0000	0.0000	0.0000	0.1198

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.120

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.099 FROM THE SOUTHWEST

STATION: 5 EDNA RAILROAD CROSSING

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66794.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0013	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024
NORTHEAST	0.0003	0.0039	0.0058	0.0033	0.0000	0.0000	0.0000	0.0000	0.0134
EAST	0.0001	0.0006	0.0010	0.0004	0.0000	0.0000	0.0000	0.0000	0.0020
SOUTHEAST	0.0002	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
SOUTH	0.0004	0.0032	0.0034	0.0005	0.0000	0.0000	0.0000	0.0000	0.0075
SOUTHWEST	0.0006	0.0084	0.0123	0.0016	0.0008	0.0000	0.0000	0.0000	0.0237
WEST	0.0009	0.0083	0.0129	0.0006	0.0000	0.0000	0.0000	0.0000	0.0227
NORTHWEST	0.0013	0.0146	0.0163	0.0019	0.0000	0.0000	0.0000	0.0000	0.0341
TOTAL:	0.0039	0.0406	0.0526	0.0082	0.0008	0.0000	0.0000	0.0000	0.1062

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.106

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.053 FROM THE WEST

TABLE 7.1. Continued

STATION: 6 200 EAST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66526.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0015	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030
NORTHEAST	0.0002	0.0027	0.0047	0.0014	0.0000	0.0000	0.0000	0.0000	0.0090
EAST	0.0000	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
SOUTHEAST	0.0001	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTH	0.0003	0.0021	0.0021	0.0003	0.0006	0.0000	0.0000	0.0000	0.0054
SOUTHWEST	0.0011	0.0216	0.0501	0.0130	0.0037	0.0000	0.0000	0.0000	0.0896
WEST	0.0021	0.0166	0.0242	0.0022	0.0006	0.0000	0.0000	0.0000	0.0458
NORTHWEST	0.0025	0.0327	0.0521	0.0058	0.0018	0.0000	0.0000	0.0000	0.0949
TOTAL:	0.0065	0.0776	0.1348	0.0228	0.0068	0.0000	0.0000	0.0000	0.2486

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.249

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.169 FROM THE WEST

STATION: 7 200 WEST AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 52719.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0005	0.0002	0.0000	0.0000	0.0000	0.0050	0.0000	0.0058
NORTHEAST	0.0002	0.0017	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0001	0.0005	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018
SOUTHWEST	0.0013	0.0196	0.0241	0.0046	0.0011	0.0000	0.0000	0.0000	0.0507
WEST	0.0010	0.0087	0.0138	0.0000	0.0000	0.0000	0.0000	0.0000	0.0236
NORTHWEST	0.0020	0.0235	0.0234	0.0000	0.0000	0.0000	0.0000	0.0000	0.0490
TOTAL:	0.0047	0.0547	0.0631	0.0046	0.0011	0.0000	0.0050	0.0000	0.1332

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.133

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.093 FROM THE WEST

TABLE 7.1. Continued

STATION: 9 FAST FLUX TEST FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66572.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0023	0.0030	0.0000	0.0000	0.0000	0.0000	0.0000	0.0056
NORTHEAST	0.0002	0.0028	0.0072	0.0046	0.0000	0.0000	0.0000	0.0000	0.0148
EAST	0.0000	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTHEAST	0.0001	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTH	0.0016	0.0077	0.0052	0.0004	0.0000	0.0000	0.0000	0.0000	0.0149
SOUTHWEST	0.0029	0.0359	0.0914	0.0423	0.0174	0.0000	0.0000	0.0000	0.1898
WEST	0.0007	0.0091	0.0134	0.0033	0.0006	0.0000	0.0000	0.0000	0.0272
NORTHWEST	0.0014	0.0167	0.0207	0.0055	0.0011	0.0000	0.0000	0.0000	0.0455
TOTAL:	0.0073	0.0747	0.1410	0.0561	0.0191	0.0000	0.0000	0.0000	0.2984

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.298

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.209 FROM THE SOUTHWEST

STATION: 10 YAKIMA BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66883.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0009	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014
NORTHEAST	0.0002	0.0014	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTH	0.0001	0.0016	0.0027	0.0009	0.0000	0.0000	0.0000	0.0000	0.0054
SOUTHWEST	0.0015	0.0205	0.0412	0.0085	0.0018	0.0000	0.0000	0.0000	0.0736
WEST	0.0009	0.0064	0.0108	0.0006	0.0000	0.0000	0.0000	0.0000	0.0188
NORTHWEST	0.0032	0.0439	0.0592	0.0042	0.0000	0.0000	0.0000	0.0000	0.1105
TOTAL:	0.0062	0.0748	0.1146	0.0143	0.0018	0.0000	0.0000	0.0000	0.2116

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.212

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.149 FROM THE WEST

TABLE 7.1. Continued

STATION: 11 300 AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 53759.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0005	0.0039	0.0041	0.0005	0.0000	0.0000	0.0000	0.0000	0.0090
NORTHEAST	0.0002	0.0030	0.0041	0.0059	0.0000	0.0000	0.0000	0.0000	0.0132
EAST	0.0001	0.0002	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009
SOUTHEAST	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
SOUTH	0.0005	0.0041	0.0032	0.0000	0.0000	0.0000	0.0000	0.0000	0.0078
SOUTHWEST	0.0028	0.0345	0.0972	0.0468	0.0203	0.0000	0.0000	0.0000	0.2017
WEST	0.0007	0.0088	0.0198	0.0038	0.0000	0.0000	0.0000	0.0000	0.0331
NORTHWEST	0.0009	0.0089	0.0129	0.0018	0.0012	0.0000	0.0000	0.0000	0.0256
TOTAL:	0.0058	0.0637	0.1420	0.0587	0.0215	0.0000	0.0000	0.0000	0.2916

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.292

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.216 FROM THE SOUTHWEST

STATION: 12 WYE BARRICADE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66481.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0021	0.0024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0047
NORTHEAST	0.0001	0.0016	0.0056	0.0032	0.0000	0.0000	0.0000	0.0000	0.0105
EAST	0.0000	0.0002	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009
SOUTHEAST	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
SOUTH	0.0011	0.0060	0.0053	0.0000	0.0000	0.0000	0.0000	0.0000	0.0124
SOUTHWEST	0.0018	0.0284	0.0730	0.0249	0.0082	0.0000	0.0000	0.0000	0.1363
WEST	0.0015	0.0137	0.0258	0.0068	0.0010	0.0017	0.0000	0.0000	0.0304
NORTHWEST	0.0015	0.0212	0.0386	0.0033	0.0000	0.0000	0.0000	0.0000	0.0646
TOTAL:	0.0064	0.0733	0.1513	0.0382	0.0091	0.0017	0.0000	0.0000	0.2801

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.280

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.191 FROM THE WEST

TABLE 7.1. Continued

STATION: 13 100 - N AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66579.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0027	0.0039	0.0003	0.0000	0.0000	0.0000	0.0000	0.0072
NORTHEAST	0.0003	0.0038	0.0145	0.0011	0.0009	0.0000	0.0000	0.0000	0.0205
EAST	0.0001	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTHEAST	0.0001	0.0005	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008
SOUTH	0.0001	0.0021	0.0033	0.0004	0.0000	0.0000	0.0000	0.0000	0.0060
SOUTHWEST	0.0009	0.0113	0.0172	0.0023	0.0000	0.0000	0.0000	0.0000	0.0317
WEST	0.0015	0.0140	0.0191	0.0000	0.0000	0.0000	0.0000	0.0000	0.0346
NORTHWEST	0.0010	0.0156	0.0229	0.0014	0.0000	0.0000	0.0000	0.0000	0.0409
TOTAL:	0.0043	0.0501	0.0815	0.0056	0.0009	0.0000	0.0000	0.0000	0.1423

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.142

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.074 FROM THE WEST

STATION: 14 WNP - 2 FACILITY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 67045.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0015	0.0012	0.0004	0.0000	0.0000	0.0000	0.0000	0.0033
NORTHEAST	0.0001	0.0015	0.0033	0.0001	0.0000	0.0000	0.0000	0.0000	0.0050
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0000	0.0001	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTH	0.0007	0.0030	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0051
SOUTHWEST	0.0015	0.0212	0.0431	0.0114	0.0008	0.0000	0.0000	0.0000	0.0781
WEST	0.0006	0.0070	0.0095	0.0022	0.0010	0.0000	0.0000	0.0000	0.0202
NORTHWEST	0.0011	0.0139	0.0134	0.0030	0.0000	0.0000	0.0000	0.0000	0.0315
TOTAL:	0.0044	0.0483	0.0720	0.0171	0.0018	0.0000	0.0000	0.0000	0.1437

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.144

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.099 FROM THE WEST

TABLE 7.1. Continued

STATION: 15 FRANKLIN COUNTY

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66374.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0009	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019
NORTHEAST	0.0003	0.0027	0.0066	0.0000	0.0000	0.0000	0.0000	0.0000	0.0096
EAST	0.0001	0.0002	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009
SOUTHEAST	0.0001	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTH	0.0006	0.0031	0.0025	0.0007	0.0000	0.0000	0.0000	0.0000	0.0069
SOUTHWEST	0.0027	0.0254	0.0685	0.0249	0.0078	0.0061	0.0000	0.0000	0.1355
WEST	0.0005	0.0045	0.0104	0.0030	0.0000	0.0000	0.0000	0.0000	0.0183
NORTHWEST	0.0004	0.0034	0.0032	0.0000	0.0000	0.0000	0.0000	0.0000	0.0071
TOTAL:	0.0049	0.0403	0.0927	0.0287	0.0078	0.0061	0.0000	0.0000	0.1806

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.181

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.143 FROM THE SOUTHWEST

STATION: 17 RINGOLD

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 65877.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
NORTHEAST	0.0002	0.0031	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0050
EAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0001	0.0006	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008
SOUTHWEST	0.0011	0.0095	0.0113	0.0033	0.0010	0.0027	0.0000	0.0000	0.0288
WEST	0.0008	0.0055	0.0080	0.0008	0.0000	0.0000	0.0000	0.0000	0.0150
NORTHWEST	0.0006	0.0056	0.0033	0.0000	0.0000	0.0000	0.0000	0.0000	0.0095
TOTAL:	0.0028	0.0249	0.0245	0.0041	0.0010	0.0027	0.0000	0.0000	0.0599

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.060

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.040 FROM THE WEST

TABLE 7.1. Continued

STATION: 18 RICHLAND AIRPORT

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 66709.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0005	0.0033	0.0037	0.0000	0.0000	0.0000	0.0000	0.0054	0.0129
NORTHEAST	0.0001	0.0018	0.0043	0.0018	0.0000	0.0000	0.0000	0.0018	0.0098
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0002	0.0016	0.0025	0.0004	0.0000	0.0000	0.0000	0.0000	0.0048
SOUTHWEST	0.0028	0.0257	0.0336	0.0014	0.0000	0.0000	0.0000	0.0000	0.0635
WEST	0.0011	0.0100	0.0157	0.0019	0.0000	0.0000	0.0000	0.0000	0.0286
NORTHWEST	0.0010	0.0104	0.0166	0.0054	0.0009	0.0000	0.0000	0.0000	0.0342
TOTAL:	0.0057	0.0528	0.0763	0.0110	0.0009	0.0000	0.0000	0.0072	0.1539

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.154

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.091 FROM THE WEST

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 68240.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0012	0.0010	0.0005	0.0000	0.0000	0.0000	0.0000	0.0028
NORTHEAST	0.0002	0.0016	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024
EAST	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTHEAST	0.0001	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTH	0.0003	0.0024	0.0036	0.0013	0.0000	0.0000	0.0000	0.0000	0.0076
SOUTHWEST	0.0015	0.0180	0.0271	0.0063	0.0011	0.0000	0.0000	0.0000	0.0540
WEST	0.0010	0.0052	0.0100	0.0003	0.0000	0.0000	0.0000	0.0000	0.0165
NORTHWEST	0.0023	0.0220	0.0152	0.0014	0.0000	0.0000	0.0000	0.0000	0.0409
TOTAL:	0.0055	0.0508	0.0576	0.0098	0.0011	0.0000	0.0000	0.0000	0.1248

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.125

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.082 FROM THE WEST

TABLE 7.1. Continued

STATION: 23 100 - F AREA

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 31049.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0011	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019
NORTHEAST	0.0002	0.0044	0.0042	0.0000	0.0000	0.0000	0.0000	0.0000	0.0087
EAST	0.0000	0.0007	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009
SOUTHEAST	0.0001	0.0009	0.0032	0.0011	0.0000	0.0000	0.0000	0.0000	0.0054
SOUTH	0.0002	0.0020	0.0067	0.0028	0.0000	0.0000	0.0000	0.0000	0.0116
SOUTHWEST	0.0011	0.0157	0.0148	0.0027	0.0000	0.0000	0.0000	0.0000	0.0342
WEST	0.0025	0.0246	0.0280	0.0024	0.0000	0.0000	0.0000	0.0000	0.0575
NORTHWEST	0.0021	0.0265	0.0343	0.0031	0.0000	0.0000	0.0000	0.0000	0.0660
TOTAL:	0.0064	0.0759	0.0918	0.0121	0.0000	0.0000	0.0000	0.0000	0.1862

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.186

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.118 FROM THE WEST

STATION: 24 GABLE WEST

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY --- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 31557.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0015	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028
NORTHEAST	0.0002	0.0041	0.0060	0.0019	0.0000	0.0000	0.0000	0.0000	0.0122
EAST	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTHEAST	0.0003	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014
SOUTH	0.0003	0.0032	0.0090	0.0019	0.0000	0.0000	0.0000	0.0000	0.0144
SOUTHWEST	0.0008	0.0128	0.0230	0.0031	0.0000	0.0000	0.0000	0.0000	0.0397
WEST	0.0016	0.0158	0.0209	0.0026	0.0000	0.0000	0.0000	0.0000	0.0409
NORTHWEST	0.0009	0.0103	0.0083	0.0016	0.0000	0.0000	0.0000	0.0000	0.0210
TOTAL:	0.0043	0.0489	0.0684	0.0112	0.0000	0.0000	0.0000	0.0000	0.1327

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.133

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.076 FROM THE WEST

TABLE 7.1. Continued

STATION: 25 VERNITA BRIDGE

SEASON: ALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 2/ 8/88 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15866.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0038	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0052
NORTHEAST	0.0003	0.0041	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0056
EAST	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0001	0.0009	0.0038	0.0016	0.0000	0.0000	0.0000	0.0000	0.0063
SOUTHWEST	0.0010	0.0219	0.0445	0.0098	0.0000	0.0000	0.0000	0.0000	0.0772
WEST	0.0034	0.0312	0.0204	0.0062	0.0000	0.0000	0.0000	0.0000	0.0613
NORTHWEST	0.0036	0.0426	0.0363	0.0031	0.0000	0.0000	0.0000	0.0000	0.0858
TOTAL:	0.0088	0.1048	0.1072	0.0207	0.0000	0.0000	0.0000	0.0000	0.2415

AVERAGE SAND DRIFT POTENTIAL (g/ms): 0.241

RESULTANT SAND DRIFT POTENTIAL (g/ms): 0.173 FROM THE WEST

TABLE 7.2. Average Sand Drift Potentials at Monitoring Sites--Winter Season

STATION: 1 PROSSER BARRICADE

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15685.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0009	0.0088	0.0044	0.0000	0.0000	0.0000	0.0000	0.0000	0.0141
NORTHEAST	0.0001	0.0013	0.0144	0.0075	0.0000	0.0000	0.0000	0.0000	0.0232
EAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0004	0.0025	0.0018	0.0016	0.0000	0.0000	0.0000	0.0000	0.0063
SOUTHWEST	0.0020	0.0321	0.1105	0.0350	0.0036	0.0000	0.0000	0.0000	0.1832
WEST	0.0002	0.0029	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0054
NORTHWEST	0.0011	0.0057	0.0043	0.0000	0.0000	0.0000	0.0000	0.0000	0.0110
TOTAL:	0.0046	0.0535	0.1377	0.0440	0.0036	0.0000	0.0000	0.0000	0.2435

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.243

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.159 FROM THE SOUTHWEST

STATION: 3 ARMY LOOP ROAD

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15924.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	2 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0023	0.0022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0047
NORTHEAST	0.0001	0.0023	0.0146	0.0000	0.0000	0.0000	0.0000	0.0000	0.0170
EAST	0.0001	0.0002	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012
SOUTHEAST	0.0001	0.0010	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0029
SOUTH	0.0003	0.0022	0.0105	0.0000	0.0042	0.0063	0.0000	0.0000	0.0236
SOUTHWEST	0.0008	0.0252	0.1277	0.0918	0.0390	0.0314	0.0000	0.0000	0.3160
WEST	0.0006	0.0074	0.0228	0.0075	0.0000	0.0000	0.0000	0.0000	0.0382
NORTHWEST	0.0004	0.0018	0.0053	0.0000	0.0000	0.0000	0.0000	0.0000	0.0075
TOTAL:	0.0027	0.0425	0.1857	0.0992	0.0433	0.0377	0.0000	0.0000	0.4112

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.411

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.339 FROM THE SOUTHWEST

TABLE 7.2. Continued

STATION: 4 RATTLESNAKE SPRINGS

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15674.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
NORTHEAST	0.0002	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0002	0.0078	0.0249	0.0032	0.0000	0.0000	0.0000	0.0000	0.0360
SOUTHWEST	0.0013	0.0291	0.0629	0.0285	0.0129	0.0000	0.0000	0.0000	0.1347
WEST	0.0011	0.0087	0.0173	0.0013	0.0000	0.0000	0.0000	0.0000	0.0285
NORTHWEST	0.0002	0.0008	0.0001	0.0004	0.0000	0.0000	0.0000	0.0000	0.0015
TOTAL:	0.0032	0.0498	0.1052	0.0334	0.0129	0.0000	0.0000	0.0000	0.2045

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.204

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.177 FROM THE SOUTHWEST

STATION: 5 EDNA RAILROAD CROSSING

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16041.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019
NORTHEAST	0.0003	0.0085	0.0183	0.0038	0.0000	0.0000	0.0000	0.0000	0.0309
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTH	0.0005	0.0038	0.0048	0.0020	0.0000	0.0000	0.0000	0.0000	0.0111
SOUTHWEST	0.0007	0.0106	0.0109	0.0065	0.0035	0.0000	0.0000	0.0000	0.0322
WEST	0.0003	0.0033	0.0068	0.0000	0.0000	0.0000	0.0000	0.0000	0.0104
NORTHWEST	0.0003	0.0021	0.0021	0.0018	0.0000	0.0000	0.0000	0.0000	0.0063
TOTAL:	0.0025	0.0301	0.0429	0.0141	0.0035	0.0000	0.0000	0.0000	0.0932

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.093

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.017 FROM THE WEST

TABLE 7.2. Continued

STATION: 6 200 EAST AREA

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15711.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0018	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031
NORTHEAST	0.0002	0.0050	0.0141	0.0039	0.0000	0.0000	0.0000	0.0000	0.0232
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0001	0.0002	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
SOUTH	0.0003	0.0036	0.0049	0.0013	0.0027	0.0000	0.0000	0.0000	0.0128
SOUTHWEST	0.0011	0.0290	0.0817	0.0345	0.0107	0.0000	0.0000	0.0000	0.1570
WEST	0.0009	0.0067	0.0184	0.0021	0.0000	0.0000	0.0000	0.0000	0.0281
NORTHWEST	0.0007	0.0022	0.0051	0.0021	0.0000	0.0000	0.0000	0.0000	0.0101
TOTAL:	0.0035	0.0485	0.1255	0.0439	0.0134	0.0000	0.0000	0.0000	0.2349

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.235

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.162 FROM THE SOUTHWEST

STATION: 7 200 WEST AREA

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 11728.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0008	0.0007	0.0000	0.0000	0.0000	0.0224	0.0000	0.0241
NORTHEAST	0.0002	0.0059	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0073
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0001	0.0004	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022
SOUTHWEST	0.0016	0.0292	0.0464	0.0180	0.0048	0.0000	0.0000	0.0000	0.1000
WEST	0.0009	0.0079	0.0163	0.0000	0.0000	0.0000	0.0000	0.0000	0.0251
NORTHWEST	0.0003	0.0007	0.0033	0.0000	0.0000	0.0000	0.0000	0.0000	0.0042
TOTAL:	0.0033	0.0448	0.0696	0.0180	0.0048	0.0000	0.0224	0.0000	0.1629

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.163

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.102 FROM THE SOUTHWEST

TABLE 7.2. Continued

STATION: 9 FAST FLUX TEST FACILITY

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16148.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0004	0.0048	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0073
NORTHEAST	0.0001	0.0045	0.0197	0.0190	0.0000	0.0000	0.0000	0.0000	0.0434
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTH	0.0013	0.0093	0.0085	0.0000	0.0000	0.0000	0.0000	0.0000	0.0191
SOUTHWEST	0.0024	0.0395	0.1302	0.0852	0.0339	0.0000	0.0000	0.0000	0.2912
WEST	0.0002	0.0031	0.0039	0.0000	0.0026	0.0000	0.0000	0.0000	0.0098
NORTHWEST	0.0005	0.0027	0.0044	0.0000	0.0000	0.0000	0.0000	0.0000	0.0076
TOTAL:	0.0050	0.0640	0.1688	0.1042	0.0365	0.0000	0.0000	0.0000	0.3786

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.379

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.263 FROM THE SOUTHWEST

STATION: 10 YAKIMA BARRICADE

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16199.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015
NORTHEAST	0.0003	0.0041	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0054
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTH	0.0001	0.0028	0.0035	0.0023	0.0000	0.0000	0.0000	0.0000	0.0088
SOUTHWEST	0.0015	0.0201	0.0643	0.0283	0.0035	0.0000	0.0000	0.0000	0.1176
WEST	0.0005	0.0040	0.0100	0.0013	0.0000	0.0000	0.0000	0.0000	0.0158
NORTHWEST	0.0013	0.0036	0.0043	0.0035	0.0000	0.0000	0.0000	0.0000	0.0127
TOTAL:	0.0039	0.0360	0.0832	0.0354	0.0035	0.0000	0.0000	0.0000	0.1620

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.162

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.130 FROM THE SOUTHWEST

TABLE 7.2. Continued

STATION: 11 300 AREA

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 13928.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0007	0.0081	0.0035	0.0000	0.0000	0.0000	0.0000	0.0000	0.0123
NORTHEAST	0.0001	0.0046	0.0120	0.0226	0.0000	0.0000	0.0000	0.0000	0.0393
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTH	0.0004	0.0041	0.0067	0.0000	0.0000	0.0000	0.0000	0.0000	0.0112
SOUTHWEST	0.0023	0.0456	0.1565	0.0998	0.0442	0.0000	0.0000	0.0000	0.3484
WEST	0.0002	0.0035	0.0071	0.0015	0.0000	0.0000	0.0000	0.0000	0.0123
NORTHWEST	0.0006	0.0029	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0044
TOTAL:	0.0044	0.0688	0.1867	0.1239	0.0442	0.0000	0.0000	0.0000	0.4280

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.428

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.317 FROM THE SOUTHWEST

STATION: 12 WYE BARRICADE

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16171.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0004	0.0041	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0058
NORTHEAST	0.0001	0.0027	0.0177	0.0130	0.0000	0.0000	0.0000	0.0000	0.0335
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0001	0.0004	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
SOUTH	0.0009	0.0060	0.0073	0.0000	0.0000	0.0000	0.0000	0.0000	0.0142
SOUTHWEST	0.0015	0.0293	0.1244	0.0460	0.0070	0.0000	0.0000	0.0000	0.2083
WEST	0.0007	0.0049	0.0123	0.0026	0.0000	0.0000	0.0000	0.0000	0.0205
NORTHWEST	0.0006	0.0024	0.0081	0.0017	0.0000	0.0000	0.0000	0.0000	0.0129
TOTAL:	0.0044	0.0498	0.1713	0.0633	0.0070	0.0000	0.0000	0.0000	0.2958

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.296

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.196 FROM THE SOUTHWEST

TABLE 7.2. Continued

STATION: 13 100 - N AREA

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16018.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0005	0.0050	0.0091	0.0000	0.0000	0.0000	0.0000	0.0000	0.0146
NORTHEAST	0.0002	0.0058	0.0392	0.0044	0.0000	0.0000	0.0000	0.0000	0.0496
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTH	0.0001	0.0035	0.0019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0054
SOUTHWEST	0.0007	0.0122	0.0213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0343
WEST	0.0003	0.0036	0.0054	0.0000	0.0000	0.0000	0.0000	0.0000	0.0093
NORTHWEST	0.0003	0.0030	0.0073	0.0038	0.0000	0.0000	0.0000	0.0000	0.0145
TOTAL:	0.0022	0.0332	0.0842	0.0082	0.0000	0.0000	0.0000	0.0000	0.1279

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.128

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.031 FROM THE NORTH

STATION: 14 WNP - 2 FACILITY

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16028.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0027	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0033
NORTHEAST	0.0001	0.0027	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0151
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0007	0.0047	0.0034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0088
SOUTHWEST	0.0016	0.0262	0.0649	0.0120	0.0000	0.0000	0.0000	0.0000	0.1046
WEST	0.0002	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028
NORTHWEST	0.0004	0.0016	0.0023	0.0020	0.0000	0.0000	0.0000	0.0000	0.0064
TOTAL:	0.0034	0.0405	0.0831	0.0141	0.0000	0.0000	0.0000	0.0000	0.1410

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.141

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.095 FROM THE SOUTHWEST

TABLE 7.2. Continued

STATION: 15 FRANKLIN COUNTY

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15197.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0004	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011
NORTHEAST	0.0004	0.0069	0.0269	0.0000	0.0000	0.0000	0.0000	0.0000	0.0342
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0001	0.0001	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
SOUTH	0.0010	0.0062	0.0082	0.0030	0.0000	0.0000	0.0000	0.0000	0.0184
SOUTHWEST	0.0034	0.0347	0.1479	0.0822	0.0305	0.0266	0.0000	0.0000	0.3254
WEST	0.0002	0.0023	0.0074	0.0040	0.0000	0.0000	0.0000	0.0000	0.0139
NORTHWEST	0.0003	0.0010	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025
TOTAL:	0.0058	0.0519	0.1919	0.0893	0.0305	0.0266	0.0000	0.0000	0.3959

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.396

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.313 FROM THE SOUTHWEST

STATION: 17 RINGOLD

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15337.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0000	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010
NORTHEAST	0.0001	0.0090	0.0060	0.0000	0.0000	0.0000	0.0000	0.0000	0.0151
EAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0001	0.0020	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025
SOUTHWEST	0.0013	0.0161	0.0214	0.0142	0.0000	0.0000	0.0000	0.0000	0.0529
WEST	0.0002	0.0023	0.0074	0.0000	0.0000	0.0000	0.0000	0.0000	0.0099
NORTHWEST	0.0001	0.0006	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016
TOTAL:	0.0019	0.0311	0.0360	0.0142	0.0000	0.0000	0.0000	0.0000	0.0833

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.083

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.046 FROM THE SOUTHWEST

TABLE 7.2. Continued

STATION: 18 RICHLAND AIRPORT

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 15936.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0005	0.0068	0.0042	0.0000	0.0000	0.0000	0.0000	0.0227	0.0342
NORTHEAST	0.0001	0.0031	0.0162	0.0077	0.0000	0.0000	0.0000	0.0076	0.0346
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0002	0.0021	0.0043	0.0018	0.0000	0.0000	0.0000	0.0000	0.0083
SOUTHWEST	0.0023	0.0384	0.0655	0.0018	0.0000	0.0000	0.0000	0.0000	0.1080
WEST	0.0003	0.0026	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000	0.0091
NORTHWEST	0.0011	0.0076	0.0087	0.0000	0.0000	0.0000	0.0000	0.0000	0.0174
TOTAL:	0.0045	0.0606	0.1051	0.0112	0.0000	0.0000	0.0000	0.0303	0.2116

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.212

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.075 FROM THE WEST

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16319.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0026	0.0037	0.0000	0.0000	0.0000	0.0000	0.0000	0.0065
NORTHEAST	0.0003	0.0024	0.0019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0047
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0002	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007
SOUTH	0.0003	0.0042	0.0038	0.0055	0.0000	0.0000	0.0000	0.0000	0.0138
SOUTHWEST	0.0014	0.0203	0.0507	0.0218	0.0044	0.0000	0.0000	0.0000	0.0986
WEST	0.0005	0.0028	0.0088	0.0000	0.0000	0.0000	0.0000	0.0000	0.0120
NORTHWEST	0.0003	0.0009	0.0046	0.0000	0.0000	0.0000	0.0000	0.0000	0.0058
TOTAL:	0.0030	0.0334	0.0740	0.0273	0.0044	0.0000	0.0000	0.0000	0.1421

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.142

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.108 FROM THE SOUTHWEST

TABLE 7.2. Continued

STATION: 23 100 - F AREA

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 6357.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0020	0.0028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0051
NORTHEAST	0.0003	0.0144	0.0173	0.0000	0.0000	0.0000	0.0000	0.0000	0.0320
EAST	0.0000	0.0028	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0035
SOUTHEAST	0.0001	0.0031	0.0157	0.0052	0.0000	0.0000	0.0000	0.0000	0.0241
SOUTH	0.0002	0.0016	0.0048	0.0000	0.0000	0.0000	0.0000	0.0000	0.0065
SOUTHWEST	0.0010	0.0096	0.0097	0.0000	0.0000	0.0000	0.0000	0.0000	0.0202
WEST	0.0006	0.0068	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0098
NORTHWEST	0.0005	0.0039	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0047
TOTAL:	0.0029	0.0443	0.0535	0.0052	0.0000	0.0000	0.0000	0.0000	0.1060

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.106

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.017 FROM THE SOUTHEAST

STATION: 24 GABLE WEST

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 6710.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0004	0.0041	0.0047	0.0000	0.0000	0.0000	0.0000	0.0000	0.0092
NORTHEAST	0.0003	0.0124	0.0247	0.0091	0.0000	0.0000	0.0000	0.0000	0.0466
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0002	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008
SOUTH	0.0003	0.0040	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048
SOUTHWEST	0.0005	0.0120	0.0258	0.0057	0.0000	0.0000	0.0000	0.0000	0.0439
WEST	0.0004	0.0065	0.0031	0.0000	0.0000	0.0000	0.0000	0.0000	0.0100
NORTHWEST	0.0002	0.0016	0.0051	0.0000	0.0000	0.0000	0.0000	0.0000	0.0069
TOTAL:	0.0023	0.0412	0.0640	0.0148	0.0000	0.0000	0.0000	0.0000	0.1223

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.122

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.016 FROM THE NORTHWEST

TABLE 7.2. Continued

STATION: 25 VERNITA BRIDGE

SEASON: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 2/ 8/88 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 3166.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0007	0.0086	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0110
NORTHEAST	0.0008	0.0150	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0176
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0000	0.0012	0.0040	0.0000	0.0000	0.0000	0.0000	0.0000	0.0052
SOUTHWEST	0.0008	0.0223	0.0667	0.0242	0.0000	0.0000	0.0000	0.0000	0.1141
WEST	0.0009	0.0080	0.0137	0.0208	0.0000	0.0000	0.0000	0.0000	0.0433
NORTHWEST	0.0017	0.0122	0.0226	0.0000	0.0000	0.0000	0.0000	0.0000	0.0365
TOTAL:	0.0050	0.0674	0.1104	0.0449	0.0000	0.0000	0.0000	0.0000	0.2278

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.228

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.142 FROM THE WEST

TABLE 7.3. Average Sand Drift Potentials at Monitoring Sites--Spring Season

STATION: 1 PROSSER BARRICADE

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16293.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0005	0.0022	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0035
NORTHEAST	0.0003	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0008	0.0023	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0047
SOUTHWEST	0.0032	0.0345	0.0713	0.0161	0.0070	0.0000	0.0000	0.0000	0.1321
WEST	0.0011	0.0167	0.0287	0.0000	0.0000	0.0000	0.0000	0.0000	0.0465
NORTHWEST	0.0017	0.0142	0.0069	0.0000	0.0000	0.0000	0.0000	0.0000	0.0228
TOTAL:	0.0076	0.0706	0.1093	0.0161	0.0070	0.0000	0.0000	0.0000	0.2105

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.210

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.174 FROM THE SOUTHWEST

STATION: 3 ARMY LOOP ROAD

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17064.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0017
NORTHEAST	0.0003	0.0002	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014
EAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0002	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007
SOUTH	0.0003	0.0014	0.0018	0.0022	0.0000	0.0000	0.0000	0.0000	0.0058
SOUTHWEST	0.0011	0.0267	0.0837	0.0250	0.0105	0.0000	0.0000	0.0000	0.1470
WEST	0.0023	0.0239	0.0622	0.0029	0.0057	0.0000	0.0000	0.0000	0.0969
NORTHWEST	0.0020	0.0210	0.0291	0.0045	0.0000	0.0000	0.0000	0.0000	0.0567
TOTAL:	0.0065	0.0753	0.1777	0.0346	0.0162	0.0000	0.0000	0.0000	0.3102

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.310

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.249 FROM THE WEST

TABLE 7.3. Continued

STATION: 4 RATTLESNAKE SPRINGS

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16994.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
NORTHEAST	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0004	0.0030	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0054
SOUTHWEST	0.0021	0.0291	0.0426	0.0084	0.0033	0.0000	0.0000	0.0000	0.0855
WEST	0.0024	0.0159	0.0129	0.0000	0.0000	0.0000	0.0000	0.0000	0.0311
NORTHWEST	0.0012	0.0079	0.0039	0.0000	0.0000	0.0000	0.0000	0.0000	0.0130
TOTAL:	0.0064	0.0561	0.0614	0.0084	0.0033	0.0000	0.0000	0.0000	0.1355

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.136

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.115 FROM THE SOUTHWEST

STATION: 5 EDNA RAILROAD CROSSING

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16990.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012
NORTHEAST	0.0003	0.0024	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0034
EAST	0.0002	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0017
SOUTHEAST	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
SOUTH	0.0008	0.0047	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0080
SOUTHWEST	0.0009	0.0112	0.0203	0.0000	0.0000	0.0000	0.0000	0.0000	0.0324
WEST	0.0014	0.0162	0.0283	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460
NORTHWEST	0.0018	0.0209	0.0271	0.0058	0.0000	0.0000	0.0000	0.0000	0.0557
TOTAL:	0.0058	0.0581	0.0790	0.0058	0.0000	0.0000	0.0000	0.0000	0.1487

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.149

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.105 FROM THE WEST

TABLE 7.3. Continued

STATION: 6 200 EAST AREA

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17112.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016
NORTHEAST	0.0004	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTH	0.0004	0.0025	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0050
SOUTHWEST	0.0014	0.0266	0.0607	0.0115	0.0046	0.0000	0.0000	0.0000	0.1048
WEST	0.0035	0.0289	0.0523	0.0027	0.0025	0.0000	0.0000	0.0000	0.0899
NORTHWEST	0.0031	0.0442	0.0752	0.0019	0.0038	0.0000	0.0000	0.0000	0.1281
TOTAL:	0.0092	0.1047	0.1903	0.0161	0.0108	0.0000	0.0000	0.0000	0.3311

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.331

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.254 FROM THE WEST

STATION: 7 200 WEST AREA

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 13475.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
NORTHEAST	0.0002	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0002	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011
SOUTHWEST	0.0019	0.0257	0.0339	0.0024	0.0000	0.0000	0.0000	0.0000	0.0639
WEST	0.0015	0.0149	0.0329	0.0000	0.0000	0.0000	0.0000	0.0000	0.0494
NORTHWEST	0.0029	0.0318	0.0363	0.0000	0.0000	0.0000	0.0000	0.0000	0.0710
TOTAL:	0.0069	0.0741	0.1031	0.0024	0.0000	0.0000	0.0000	0.0000	0.1866

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.187

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.144 FROM THE WEST

TABLE 7.3. Continued

STATION: 9 FAST FLUX TEST FACILITY

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16790.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0011	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0027
NORTHEAST	0.0003	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024
EAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0001	0.0002	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009
SOUTH	0.0017	0.0093	0.0033	0.0015	0.0000	0.0000	0.0000	0.0000	0.0157
SOUTHWEST	0.0038	0.0446	0.0983	0.0379	0.0048	0.0000	0.0000	0.0000	0.1894
WEST	0.0012	0.0155	0.0384	0.0058	0.0000	0.0000	0.0000	0.0000	0.0610
NORTHWEST	0.0020	0.0209	0.0306	0.0141	0.0043	0.0000	0.0000	0.0000	0.0717
TOTAL:	0.0095	0.0939	0.1724	0.0592	0.0091	0.0000	0.0000	0.0000	0.3440

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.344

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.261 FROM THE WEST

STATION: 10 YAKIMA BARRICADE

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16917.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0006	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018
NORTHEAST	0.0001	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTH	0.0003	0.0017	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0035
SOUTHWEST	0.0023	0.0303	0.0616	0.0039	0.0000	0.0000	0.0000	0.0000	0.0981
WEST	0.0015	0.0117	0.0262	0.0000	0.0000	0.0000	0.0000	0.0000	0.0394
NORTHWEST	0.0041	0.0611	0.0710	0.0000	0.0000	0.0000	0.0000	0.0000	0.1361
TOTAL:	0.0084	0.1060	0.1615	0.0039	0.0000	0.0000	0.0000	0.0000	0.2798

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.280

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.206 FROM THE WEST

TABLE 7.3. Continued

STATION: 11 300 AREA

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 12662.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0004	0.0025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0029
NORTHEAST	0.0004	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025
EAST	0.0001	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
SOUTHEAST	0.0002	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
SOUTH	0.0007	0.0042	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0059
SOUTHWEST	0.0038	0.0413	0.0901	0.0343	0.0154	0.0000	0.0000	0.0000	0.1848
WEST	0.0011	0.0147	0.0614	0.0095	0.0000	0.0000	0.0000	0.0000	0.0866
NORTHWEST	0.0010	0.0113	0.0254	0.0030	0.0051	0.0000	0.0000	0.0000	0.0457
TOTAL:	0.0076	0.0767	0.1779	0.0468	0.0204	0.0000	0.0000	0.0000	0.3294

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.329

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.266 FROM THE WEST

STATION: 12 WYE BARRICADE

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16562.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0018	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026
NORTHEAST	0.0002	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTH	0.0015	0.0053	0.0056	0.0000	0.0000	0.0000	0.0000	0.0000	0.0123
SOUTHWEST	0.0024	0.0337	0.0797	0.0057	0.0000	0.0000	0.0000	0.0000	0.1214
WEST	0.0026	0.0231	0.0612	0.0114	0.0000	0.0000	0.0000	0.0000	0.0983
NORTHWEST	0.0018	0.0270	0.0503	0.0046	0.0000	0.0000	0.0000	0.0000	0.0836
TOTAL:	0.0086	0.0922	0.1973	0.0217	0.0000	0.0000	0.0000	0.0000	0.3198

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.320

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.245 FROM THE WEST

TABLE 7.3. Continued

STATION: 13 100 - N AREA

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16717.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024
NORTHEAST	0.0003	0.0020	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026
EAST	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTHEAST	0.0002	0.0007	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018
SOUTH	0.0003	0.0029	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0038
SOUTHWEST	0.0013	0.0162	0.0303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0478
WEST	0.0023	0.0209	0.0316	0.0000	0.0000	0.0000	0.0000	0.0000	0.0548
NORTHWEST	0.0014	0.0211	0.0359	0.0000	0.0000	0.0000	0.0000	0.0000	0.0583
TOTAL:	0.0062	0.0659	0.0996	0.0000	0.0000	0.0000	0.0000	0.0000	0.1717

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.172

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.127 FROM THE WEST

STATION: 14 WNP - 2 FACILITY

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17162.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0012	0.0000	0.0014	0.0000	0.0000	0.0000	0.0000	0.0028
NORTHEAST	0.0000	0.0001	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000	0.0007
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTH	0.0010	0.0026	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048
SOUTHWEST	0.0023	0.0236	0.0478	0.0042	0.0000	0.0000	0.0000	0.0000	0.0779
WEST	0.0010	0.0131	0.0294	0.0033	0.0000	0.0000	0.0000	0.0000	0.0468
NORTHWEST	0.0014	0.0161	0.0157	0.0045	0.0000	0.0000	0.0000	0.0000	0.0377
TOTAL:	0.0061	0.0569	0.0941	0.0138	0.0000	0.0000	0.0000	0.0000	0.1710

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.171

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.131 FROM THE WEST

TABLE 7.3. Continued

STATION: 15 FRANKLIN COUNTY

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17251.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018
NORTHEAST	0.0004	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018
EAST	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
SOUTHEAST	0.0001	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
SOUTH	0.0007	0.0030	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0040
SOUTHWEST	0.0035	0.0317	0.0628	0.0131	0.0033	0.0000	0.0000	0.0000	0.1144
WEST	0.0009	0.0103	0.0276	0.0065	0.0000	0.0000	0.0000	0.0000	0.0452
NORTHWEST	0.0006	0.0075	0.0069	0.0000	0.0000	0.0000	0.0000	0.0000	0.0151
TOTAL:	0.0066	0.0561	0.0975	0.0196	0.0033	0.0000	0.0000	0.0000	0.1831

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.183

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.153 FROM THE SOUTHWEST

STATION: 17 RINGOLD

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17100.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0000	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011
NORTHEAST	0.0003	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019
EAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTH	0.0002	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
SOUTHWEST	0.0015	0.0124	0.0202	0.0000	0.0038	0.0000	0.0000	0.0000	0.0379
WEST	0.0016	0.0117	0.0211	0.0029	0.0000	0.0000	0.0000	0.0000	0.0373
NORTHWEST	0.0010	0.0109	0.0061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0181
TOTAL:	0.0048	0.0380	0.0475	0.0029	0.0038	0.0000	0.0000	0.0000	0.0969

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.097

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.076 FROM THE WEST

TABLE 7.3. Continued

STATION: 18 RICHLAND AIRPORT

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17049.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0005	0.0022	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0042
NORTHEAST	0.0003	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0017
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0003	0.0009	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022
SOUTHWEST	0.0033	0.0235	0.0196	0.0021	0.0000	0.0000	0.0000	0.0000	0.0485
WEST	0.0018	0.0189	0.0369	0.0035	0.0000	0.0000	0.0000	0.0000	0.0611
NORTHWEST	0.0010	0.0116	0.0163	0.0000	0.0000	0.0000	0.0000	0.0000	0.0290
TOTAL:	0.0072	0.0586	0.0754	0.0055	0.0000	0.0000	0.0000	0.0000	0.1468

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.147

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.115 FROM THE WEST

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17370.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0004	0.0000	0.0019	0.0000	0.0000	0.0000	0.0000	0.0025
NORTHEAST	0.0002	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012
EAST	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
SOUTHEAST	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007
SOUTH	0.0003	0.0019	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026
SOUTHWEST	0.0022	0.0254	0.0397	0.0038	0.0000	0.0000	0.0000	0.0000	0.0711
WEST	0.0015	0.0089	0.0221	0.0000	0.0000	0.0000	0.0000	0.0000	0.0326
NORTHWEST	0.0031	0.0280	0.0261	0.0016	0.0000	0.0000	0.0000	0.0000	0.0589
TOTAL:	0.0076	0.0666	0.0883	0.0073	0.0000	0.0000	0.0000	0.0000	0.1698

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.170

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.123 FROM THE WEST

TABLE 7.3. Continued

STATION: 23 100 - F AREA

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 7944.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
NORTHEAST	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0002	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010
SOUTH	0.0003	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019
SOUTHWEST	0.0015	0.0283	0.0226	0.0096	0.0000	0.0000	0.0000	0.0000	0.0620
WEST	0.0036	0.0414	0.0519	0.0063	0.0000	0.0000	0.0000	0.0000	0.1031
NORTHWEST	0.0021	0.0244	0.0217	0.0076	0.0000	0.0000	0.0000	0.0000	0.0557
TOTAL:	0.0081	0.0970	0.0961	0.0234	0.0000	0.0000	0.0000	0.0000	0.2246

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.225

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.185 FROM THE WEST

STATION: 24 GABLE WEST

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 8081.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
NORTHEAST	0.0002	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007
EAST	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0005	0.0015	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022
SOUTH	0.0007	0.0040	0.0036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0082
SOUTHWEST	0.0012	0.0182	0.0408	0.0009	0.0000	0.0000	0.0000	0.0000	0.0611
WEST	0.0022	0.0220	0.0403	0.0102	0.0000	0.0000	0.0000	0.0000	0.0746
NORTHWEST	0.0011	0.0148	0.0127	0.0062	0.0000	0.0000	0.0000	0.0000	0.0349
TOTAL:	0.0061	0.0614	0.0975	0.0172	0.0000	0.0000	0.0000	0.0000	0.1822

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.182

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.143 FROM THE WEST

TABLE 7.3. Continued

STATION: 25 VERNITA BRIDGE

SEASON: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 2/ 8/88 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 4285.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0000	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021
NORTHEAST	0.0003	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0005	0.0019	0.0088	0.0058	0.0000	0.0000	0.0000	0.0000	0.0169
SOUTHWEST	0.0014	0.0302	0.0757	0.0185	0.0000	0.0000	0.0000	0.0000	0.1258
WEST	0.0041	0.0424	0.0371	0.0077	0.0000	0.0000	0.0000	0.0000	0.0912
NORTHWEST	0.0034	0.0403	0.0386	0.0000	0.0000	0.0000	0.0000	0.0000	0.0823
TOTAL	0.0097	0.1183	0.1602	0.0319	0.0000	0.0000	0.0000	0.0000	0.3200

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.320

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.241 FROM THE WEST

TABLE 7.4. Average Sand Drift Potentials at Monitoring Sites--Summer Season

STATION: 1 PROSSER BARRICADE

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17000.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0005	0.0025	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0039
NORTHEAST	0.0000	0.0013	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022
EAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTH	0.0006	0.0025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031
SOUTHWEST	0.0027	0.0122	0.0106	0.0000	0.0008	0.0000	0.0000	0.0000	0.0263
WEST	0.0007	0.0094	0.0105	0.0042	0.0025	0.0000	0.0000	0.0000	0.0274
NORTHWEST	0.0017	0.0212	0.0260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0488
TOTAL:	0.0063	0.0491	0.0488	0.0042	0.0033	0.0000	0.0000	0.0000	0.1118

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.112

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.081 FROM THE WEST

STATION: 3 ARMY LOOP ROAD

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17039.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0018	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030
NORTHEAST	0.0001	0.0017	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0032
EAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
SOUTH	0.0002	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014
SOUTHWEST	0.0006	0.0074	0.0078	0.0043	0.0000	0.0000	0.0000	0.0000	0.0200
WEST	0.0014	0.0117	0.0222	0.0029	0.0000	0.0000	0.0000	0.0000	0.0381
NORTHWEST	0.0027	0.0410	0.0556	0.0017	0.0000	0.0000	0.0000	0.0000	0.1009
TOTAL:	0.0053	0.0650	0.0879	0.0088	0.0000	0.0000	0.0000	0.0000	0.1671

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.167

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.135 FROM THE NORTHWEST

TABLE 7.4. Continued

STATION: 4 RATTLESNAKE SPRINGS

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17243.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
NORTHEAST	0.0001	0.0001	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0001	0.0014	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022
SOUTHWEST	0.0006	0.0054	0.0047	0.0000	0.0000	0.0000	0.0000	0.0000	0.0107
WEST	0.0019	0.0079	0.0055	0.0000	0.0000	0.0000	0.0000	0.0000	0.0153
NORTHWEST	0.0016	0.0105	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0129
TOTAL:	0.0044	0.0257	0.0122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0423

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.042

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.032 FROM THE WEST

STATION: 5 EDNA RAILROAD CROSSING

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17094.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012
NORTHEAST	0.0002	0.0025	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0036
EAST	0.0001	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTHEAST	0.0001	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTH	0.0002	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023
SOUTHWEST	0.0004	0.0021	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0038
WEST	0.0010	0.0086	0.0132	0.0000	0.0000	0.0000	0.0000	0.0000	0.0229
NORTHWEST	0.0022	0.0250	0.0299	0.0000	0.0000	0.0000	0.0000	0.0000	0.0570
TOTAL:	0.0044	0.0420	0.0454	0.0000	0.0000	0.0000	0.0000	0.0000	0.0918

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.092

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.074 FROM THE NORTHWEST

TABLE 7.4. Continued

STATION: 6 200 EAST AREA

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17092.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012
NORTHEAST	0.0001	0.0030	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046
EAST	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTHEAST	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTH	0.0002	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTHWEST	0.0008	0.0062	0.0064	0.0014	0.0000	0.0000	0.0000	0.0000	0.0147
WEST	0.0028	0.0209	0.0173	0.0041	0.0000	0.0000	0.0000	0.0000	0.0452
NORTHWEST	0.0045	0.0644	0.1112	0.0150	0.0000	0.0000	0.0000	0.0000	0.1951
TOTAL:	0.0086	0.0963	0.1364	0.0205	0.0000	0.0000	0.0000	0.0000	0.2618

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.262

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.231 FROM THE NORTHWEST

STATION: 7 200 WEST AREA

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 14261.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009
NORTHEAST	0.0000	0.0007	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012
EAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHWEST	0.0006	0.0059	0.0035	0.0000	0.0000	0.0000	0.0000	0.0000	0.0101
WEST	0.0010	0.0089	0.0036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0135
NORTHWEST	0.0034	0.0442	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0940
TOTAL:	0.0052	0.0608	0.0539	0.0000	0.0000	0.0000	0.0000	0.0000	0.1199

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.120

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.106 FROM THE NORTHWEST

TABLE 7.4. Continued

STATION: 9 FAST FLUX TEST FACILITY

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16916.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0016	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0033
NORTHEAST	0.0001	0.0017	0.0037	0.0000	0.0000	0.0000	0.0000	0.0000	0.0055
EAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTHEAST	0.0002	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
SOUTH	0.0019	0.0067	0.0046	0.0000	0.0000	0.0000	0.0000	0.0000	0.0132
SOUTHWEST	0.0025	0.0158	0.0196	0.0011	0.0000	0.0000	0.0000	0.0000	0.0389
WEST	0.0009	0.0112	0.0074	0.0074	0.0000	0.0000	0.0000	0.0000	0.0269
NORTHWEST	0.0023	0.0342	0.0404	0.0078	0.0000	0.0000	0.0000	0.0000	0.0846
TOTAL:	0.0081	0.0716	0.0770	0.0163	0.0000	0.0000	0.0000	0.0000	0.1730

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.173

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.113 FROM THE WEST

STATION: 10 YAKIMA BARRICADE

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16962.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
NORTHEAST	0.0001	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTH	0.0001	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007
SOUTHWEST	0.0009	0.0088	0.0088	0.0000	0.0000	0.0000	0.0000	0.0000	0.0185
WEST	0.0009	0.0059	0.0053	0.0000	0.0000	0.0000	0.0000	0.0000	0.0121
NORTHWEST	0.0051	0.0887	0.1443	0.0131	0.0000	0.0000	0.0000	0.0000	0.2511
TOTAL:	0.0072	0.1040	0.1587	0.0131	0.0000	0.0000	0.0000	0.0000	0.2830

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.283

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.261 FROM THE NORTHWEST

TABLE 7.4. Continued

STATION: 11 300 AREA

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 12847.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0005	0.0025	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0033
NORTHEAST	0.0002	0.0027	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045
EAST	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
SOUTHEAST	0.0001	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
SOUTH	0.0006	0.0052	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0068
SOUTHWEST	0.0027	0.0165	0.0126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0318
WEST	0.0010	0.0125	0.0110	0.0022	0.0000	0.0000	0.0000	0.0000	0.0268
NORTHWEST	0.0013	0.0174	0.0154	0.0000	0.0000	0.0000	0.0000	0.0000	0.0341
TOTAL:	0.0064	0.0576	0.0419	0.0022	0.0000	0.0000	0.0000	0.0000	0.1081

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.108

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.069 FROM THE WEST

STATION: 12 WYE BARRICADE

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17085.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0013	0.0019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0035
NORTHEAST	0.0001	0.0017	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000	0.0047
EAST	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTHEAST	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTH	0.0009	0.0049	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0069
SOUTHWEST	0.0012	0.0103	0.0128	0.0046	0.0000	0.0000	0.0000	0.0000	0.0289
WEST	0.0016	0.0178	0.0202	0.0118	0.0038	0.0000	0.0000	0.0000	0.0552
NORTHWEST	0.0026	0.0427	0.0805	0.0069	0.0000	0.0000	0.0000	0.0000	0.1328
TOTAL:	0.0068	0.0791	0.1194	0.0233	0.0038	0.0000	0.0000	0.0000	0.2323

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.232

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.181 FROM THE NORTHWEST

TABLE 7.4. Continued

STATION: 13 100 - N AREA

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17078.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012
NORTHEAST	0.0002	0.0031	0.0067	0.0000	0.0000	0.0000	0.0000	0.0000	0.0100
EAST	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
SOUTHEAST	0.0002	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011
SOUTH	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTHWEST	0.0008	0.0046	0.0044	0.0029	0.0000	0.0000	0.0000	0.0000	0.0127
WEST	0.0026	0.0220	0.0257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0503
NORTHWEST	0.0016	0.0259	0.0304	0.0016	0.0000	0.0000	0.0000	0.0000	0.0595
TOTAL:	0.0056	0.0582	0.0672	0.0046	0.0000	0.0000	0.0000	0.0000	0.1355

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.135

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.101 FROM THE NORTHWEST

STATION: 14 WNP - 2 FACILITY

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17191.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0015	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019
NORTHEAST	0.0000	0.0013	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0020
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0002	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014
SOUTH	0.0004	0.0016	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023
SOUTHWEST	0.0006	0.0068	0.0038	0.0004	0.0000	0.0000	0.0000	0.0000	0.0116
WEST	0.0007	0.0084	0.0063	0.0034	0.0037	0.0000	0.0000	0.0000	0.0225
NORTHWEST	0.0019	0.0304	0.0326	0.0055	0.0000	0.0000	0.0000	0.0000	0.0703
TOTAL:	0.0038	0.0502	0.0450	0.0093	0.0037	0.0000	0.0000	0.0000	0.1121

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.112

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.088 FROM THE NORTHWEST

TABLE 7.4. Continued

STATION: 15 FRANKLIN COUNTY

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17234.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
NORTHEAST	0.0002	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013
EAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTH	0.0003	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015
SOUTHWEST	0.0011	0.0039	0.0045	0.0000	0.0000	0.0000	0.0000	0.0000	0.0095
WEST	0.0005	0.0032	0.0056	0.0000	0.0000	0.0000	0.0000	0.0000	0.0092
NORTHWEST	0.0007	0.0033	0.0040	0.0000	0.0000	0.0000	0.0000	0.0000	0.0080
TOTAL:	0.0030	0.0132	0.0141	0.0000	0.0000	0.0000	0.0000	0.0000	0.0303

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.030

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.021 FROM THE WEST

STATION: 17 RINGOLD

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16996.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
NORTHEAST	0.0001	0.0007	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTHWEST	0.0002	0.0016	0.0016	0.0000	0.0000	0.0104	0.0000	0.0000	0.0138
WEST	0.0008	0.0056	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0081
NORTHWEST	0.0009	0.0076	0.0049	0.0000	0.0000	0.0000	0.0000	0.0000	0.0134
TOTAL:	0.0021	0.0157	0.0098	0.0000	0.0000	0.0104	0.0000	0.0000	0.0380

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.038

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.026 FROM THE WEST

TABLE 7.4. Continued

STATION: 18 RICHLAND AIRPORT

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17119.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0005	0.0025	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0038
NORTHEAST	0.0001	0.0013	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0003	0.0017	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022
SOUTHWEST	0.0020	0.0074	0.0037	0.0000	0.0000	0.0000	0.0000	0.0000	0.0130
WEST	0.0016	0.0117	0.0151	0.0016	0.0000	0.0000	0.0000	0.0000	0.0300
NORTHWEST	0.0009	0.0154	0.0292	0.0048	0.0033	0.0000	0.0000	0.0000	0.0535
TOTAL:	0.0053	0.0400	0.0499	0.0064	0.0033	0.0000	0.0000	0.0000	0.1049

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.105

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.082 FROM THE NORTHWEST

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17500.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012
NORTHEAST	0.0001	0.0014	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTH	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTHWEST	0.0010	0.0060	0.0062	0.0004	0.0000	0.0000	0.0000	0.0000	0.0136
WEST	0.0013	0.0072	0.0069	0.0012	0.0000	0.0000	0.0000	0.0000	0.0167
NORTHWEST	0.0047	0.0501	0.0276	0.0038	0.0000	0.0000	0.0000	0.0000	0.0861
TOTAL:	0.0074	0.0660	0.0411	0.0054	0.0000	0.0000	0.0000	0.0000	0.1199

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.120

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.101 FROM THE NORTHWEST

TABLE 7.4. Continued

STATION: 23 100 - F AREA

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 8488.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0000	0.0022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022
NORTHEAST	0.0001	0.0035	0.0024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060
EAST	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTHEAST	0.0002	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
SOUTH	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
SOUTHWEST	0.0009	0.0070	0.0043	0.0000	0.0000	0.0000	0.0000	0.0000	0.0122
WEST	0.0041	0.0347	0.0399	0.0029	0.0000	0.0000	0.0000	0.0000	0.0816
NORTHWEST	0.0042	0.0567	0.0972	0.0043	0.0000	0.0000	0.0000	0.0000	0.1623
TOTAL:	0.0096	0.1051	0.1437	0.0072	0.0000	0.0000	0.0000	0.0000	0.2655

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.266

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.229 FROM THE NORTHWEST

STATION: 24 GABLE WEST

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 8490.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0000	0.0017	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022
NORTHEAST	0.0001	0.0028	0.0019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0047
EAST	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTHEAST	0.0003	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014
SOUTH	0.0001	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015
SOUTHWEST	0.0007	0.0078	0.0072	0.0000	0.0000	0.0000	0.0000	0.0000	0.0157
WEST	0.0024	0.0215	0.0284	0.0000	0.0000	0.0000	0.0000	0.0000	0.0523
NORTHWEST	0.0015	0.0163	0.0115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0293
TOTAL:	0.0053	0.0527	0.0495	0.0000	0.0000	0.0000	0.0000	0.0000	0.1075

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.107

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.080 FROM THE WEST

TABLE 7.4. Continued

STATION: 25 VERNITA BRIDGE

SEASON: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 2/ 8/88 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 4279.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0028	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0041
NORTHEAST	0.0001	0.0020	0.0032	0.0000	0.0000	0.0000	0.0000	0.0000	0.0053
EAST	0.0000	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHWEST	0.0010	0.0048	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0083
WEST	0.0061	0.0588	0.0234	0.0000	0.0000	0.0000	0.0000	0.0000	0.0882
NORTHWEST	0.0065	0.0802	0.0584	0.0117	0.0000	0.0000	0.0000	0.0000	0.1567
TOTAL:	0.0137	0.1492	0.0888	0.0117	0.0000	0.0000	0.0000	0.0000	0.2634

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.263

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.230 FROM THE NORTHWEST

TABLE 7.5. Average Sand Drift Potentials at Monitoring Sites--Fall Season

STATION: 1 PROSSER BARRICADE

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16246.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0007	0.0018	0.0063	0.0000	0.0000	0.0000	0.0000	0.0000	0.0088
NORTHEAST	0.0001	0.0022	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTH	0.0005	0.0027	0.0043	0.0000	0.0000	0.0000	0.0000	0.0000	0.0075
SOUTHWEST	0.0028	0.0381	0.0978	0.0282	0.0079	0.0000	0.0000	0.0000	0.1747
WEST	0.0004	0.0044	0.0011	0.0023	0.0044	0.0000	0.0000	0.0000	0.0127
NORTHWEST	0.0009	0.0067	0.0118	0.0017	0.0000	0.0000	0.0000	0.0000	0.0211
TOTAL:	0.0055	0.0560	0.1220	0.0323	0.0124	0.0000	0.0000	0.0000	0.2281

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.228

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.182 FROM THE SOUTHWEST

STATION: 3 ARMY LOOP ROAD

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16630.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0009	0.0047	0.0000	0.0000	0.0000	0.0000	0.0000	0.0058
NORTHEAST	0.0002	0.0014	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0027
EAST	0.0001	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTHEAST	0.0002	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007
SOUTH	0.0002	0.0013	0.0066	0.0000	0.0055	0.0000	0.0000	0.0000	0.0136
SOUTHWEST	0.0010	0.0228	0.1333	0.0389	0.0207	0.0000	0.0000	0.0000	0.2167
WEST	0.0011	0.0095	0.0103	0.0023	0.0039	0.0000	0.0000	0.0000	0.0271
NORTHWEST	0.0008	0.0096	0.0060	0.0000	0.0000	0.0000	0.0000	0.0000	0.0164
TOTAL:	0.0038	0.0462	0.1621	0.0411	0.0300	0.0000	0.0000	0.0000	0.2832

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.283

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.240 FROM THE SOUTHWEST

TABLE 7.5. Continued

STATION: 4 RATTLESNAKE SPRINGS

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16741.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
NORTHEAST	0.0001	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
EAST	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0002	0.0044	0.0161	0.0000	0.0000	0.0000	0.0000	0.0000	0.0206
SOUTHWEST	0.0015	0.0246	0.0375	0.0049	0.0000	0.0000	0.0000	0.0000	0.0685
WEST	0.0015	0.0061	0.0043	0.0000	0.0000	0.0000	0.0000	0.0000	0.0120
NORTHWEST	0.0004	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021
TOTAL:	0.0037	0.0375	0.0583	0.0049	0.0000	0.0000	0.0000	0.0000	0.1045

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.105

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.091 FROM THE SOUTHWEST

STATION: 5 EDNA RAILROAD CROSSING

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16669.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0015	0.0034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0052
NORTHEAST	0.0002	0.0025	0.0041	0.0097	0.0000	0.0000	0.0000	0.0000	0.0165
EAST	0.0000	0.0005	0.0039	0.0015	0.0000	0.0000	0.0000	0.0000	0.0059
SOUTHEAST	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008
SOUTH	0.0003	0.0023	0.0064	0.0000	0.0000	0.0000	0.0000	0.0000	0.0090
SOUTHWEST	0.0005	0.0097	0.0170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0272
WEST	0.0007	0.0049	0.0025	0.0023	0.0000	0.0000	0.0000	0.0000	0.0104
NORTHWEST	0.0007	0.0095	0.0050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0152
TOTAL:	0.0029	0.0314	0.0424	0.0134	0.0000	0.0000	0.0000	0.0000	0.0902

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.090

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.022 FROM THE WEST

TABLE 7.5. Continued

STATION: 6 200 EAST AREA

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16611.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0018	0.0041	0.0000	0.0000	0.0000	0.0000	0.0000	0.0063
NORTHEAST	0.0001	0.0020	0.0038	0.0020	0.0000	0.0000	0.0000	0.0000	0.0079
EAST	0.0000	0.0008	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0017
SOUTHEAST	0.0001	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTH	0.0002	0.0020	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0040
SOUTHWEST	0.0011	0.0253	0.0545	0.0062	0.0000	0.0000	0.0000	0.0000	0.0871
WEST	0.0011	0.0088	0.0078	0.0000	0.0000	0.0000	0.0000	0.0000	0.0177
NORTHWEST	0.0014	0.0171	0.0119	0.0040	0.0034	0.0000	0.0000	0.0000	0.0378
TOTAL:	0.0044	0.0581	0.0849	0.0122	0.0034	0.0000	0.0000	0.0000	0.1629

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.163

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.102 FROM THE WEST

STATION: 7 200 WEST AREA

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 3/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 13255.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
NORTHEAST	0.0002	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0002	0.0008	0.0032	0.0000	0.0000	0.0000	0.0000	0.0000	0.0041
SOUTHWEST	0.0012	0.0197	0.0166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0375
WEST	0.0006	0.0030	0.0033	0.0000	0.0000	0.0000	0.0000	0.0000	0.0069
NORTHWEST	0.0011	0.0130	0.0036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0177
TOTAL:	0.0033	0.0371	0.0266	0.0000	0.0000	0.0000	0.0000	0.0000	0.0670

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.067

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.049 FROM THE WEST

TABLE 7.5. Continued

STATION: 9 FAST FLUX TEST FACILITY

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16718.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0004	0.0016	0.0071	0.0000	0.0000	0.0000	0.0000	0.0000	0.0091
NORTHEAST	0.0003	0.0029	0.0058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0090
EAST	0.0000	0.0004	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007
SOUTHEAST	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTH	0.0015	0.0056	0.0047	0.0000	0.0000	0.0000	0.0000	0.0000	0.0117
SOUTHWEST	0.0028	0.0439	0.1196	0.0470	0.0318	0.0000	0.0000	0.0000	0.2451
WEST	0.0006	0.0061	0.0035	0.0000	0.0000	0.0000	0.0000	0.0000	0.0102
NORTHWEST	0.0009	0.0086	0.0065	0.0000	0.0000	0.0000	0.0000	0.0000	0.0160
TOTAL:	0.0066	0.0692	0.1475	0.0470	0.0318	0.0000	0.0000	0.0000	0.3020

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.302

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.246 FROM THE SOUTHWEST

STATION: 10 YAKIMA BARRICADE

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16805.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019
NORTHEAST	0.0002	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013
EAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0001	0.0017	0.0056	0.0015	0.0000	0.0000	0.0000	0.0000	0.0089
SOUTHWEST	0.0014	0.0227	0.0312	0.0029	0.0038	0.0000	0.0000	0.0000	0.0619
WEST	0.0007	0.0036	0.0018	0.0013	0.0000	0.0000	0.0000	0.0000	0.0075
NORTHWEST	0.0022	0.0202	0.0145	0.0000	0.0000	0.0000	0.0000	0.0000	0.0370
TOTAL:	0.0049	0.0512	0.0532	0.0056	0.0038	0.0000	0.0000	0.0000	0.1187

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.119

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.080 FROM THE WEST

TABLE 7.5. Continued

STATION: 11 300 AREA

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 14322.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0006	0.0022	0.0118	0.0020	0.0000	0.0000	0.0000	0.0000	0.0165
NORTHEAST	0.0003	0.0025	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0051
EAST	0.0000	0.0002	0.0024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0027
SOUTHEAST	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTH	0.0004	0.0029	0.0038	0.0000	0.0000	0.0000	0.0000	0.0000	0.0071
SOUTHWEST	0.0026	0.0340	0.1218	0.0482	0.0196	0.0000	0.0000	0.0000	0.2263
WEST	0.0004	0.0057	0.0034	0.0023	0.0000	0.0000	0.0000	0.0000	0.0117
NORTHWEST	0.0007	0.0050	0.0112	0.0039	0.0000	0.0000	0.0000	0.0000	0.0208
TOTAL:	0.0051	0.0525	0.1567	0.0564	0.0196	0.0000	0.0000	0.0000	0.2903

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.290

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.224 FROM THE SOUTHWEST

STATION: 12 WYE BARRICADE

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16663.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0012	0.0056	0.0000	0.0000	0.0000	0.0000	0.0000	0.0072
NORTHEAST	0.0001	0.0008	0.0022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031
EAST	0.0000	0.0006	0.0028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0033
SOUTHEAST	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
SOUTH	0.0012	0.0078	0.0074	0.0000	0.0000	0.0000	0.0000	0.0000	0.0165
SOUTHWEST	0.0019	0.0410	0.0782	0.0444	0.0258	0.0000	0.0000	0.0000	0.1913
WEST	0.0011	0.0086	0.0094	0.0013	0.0000	0.0067	0.0000	0.0000	0.0270
NORTHWEST	0.0009	0.0115	0.0134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0258
TOTAL:	0.0057	0.0716	0.1190	0.0456	0.0258	0.0067	0.0000	0.0000	0.2744

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.274

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.214 FROM THE SOUTHWEST

TABLE 7.5. Continued

STATION: 13 100 - N AREA

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16766.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0029	0.0068	0.0013	0.0000	0.0000	0.0000	0.0000	0.0112
NORTHEAST	0.0004	0.0046	0.0130	0.0000	0.0034	0.0000	0.0000	0.0000	0.0213
EAST	0.0000	0.0001	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011
SOUTHEAST	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTH	0.0001	0.0017	0.0107	0.0017	0.0000	0.0000	0.0000	0.0000	0.0142
SOUTHWEST	0.0008	0.0123	0.0134	0.0062	0.0000	0.0000	0.0000	0.0000	0.0327
WEST	0.0009	0.0090	0.0130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0228
NORTHWEST	0.0006	0.0116	0.0174	0.0004	0.0000	0.0000	0.0000	0.0000	0.0301
TOTAL:	0.0033	0.0422	0.0753	0.0095	0.0034	0.0000	0.0000	0.0000	0.1337

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.134

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.052 FROM THE WEST

STATION: 14 WNP - 2 FACILITY

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16664.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0006	0.0042	0.0000	0.0000	0.0000	0.0000	0.0000	0.0052
NORTHEAST	0.0001	0.0020	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0027
EAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0007	0.0034	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048
SOUTHWEST	0.0017	0.0287	0.0578	0.0296	0.0034	0.0000	0.0000	0.0000	0.1212
WEST	0.0005	0.0036	0.0013	0.0020	0.0000	0.0000	0.0000	0.0000	0.0074
NORTHWEST	0.0008	0.0065	0.0019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0092
TOTAL:	0.0042	0.0451	0.0665	0.0316	0.0034	0.0000	0.0000	0.0000	0.1507

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.151

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.124 FROM THE SOUTHWEST

TABLE 7.3. Continued

STATION: 15 FRANKLIN COUNTY

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16692.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0001	0.0010	0.0030	0.0000	0.0000	0.0000	0.0000	0.0000	0.0041
NORTHEAST	0.0003	0.0018	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0039
EAST	0.0001	0.0005	0.0028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0033
SOUTHEAST	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
SOUTH	0.0006	0.0023	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0050
SOUTHWEST	0.0028	0.0326	0.0683	0.0107	0.0000	0.0000	0.0000	0.0000	0.1143
WEST	0.0002	0.0017	0.0003	0.0017	0.0000	0.0000	0.0000	0.0000	0.0040
NORTHWEST	0.0002	0.0014	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021
TOTAL:	0.0043	0.0415	0.0788	0.0124	0.0000	0.0000	0.0000	0.0000	0.1370

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.137

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.112 FROM THE SOUTHWEST

STATION: 17 RINGOLD

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16444.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
NORTHEAST	0.0001	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
SOUTHWEST	0.0013	0.0085	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000	0.0125
WEST	0.0003	0.0019	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0036
NORTHWEST	0.0003	0.0029	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0041
TOTAL:	0.0021	0.0151	0.0050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0222

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.022

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.015 FROM THE WEST

TABLE 7.5. Continued

STATION: 18 RICHLAND AIRPORT

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 16605.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0004	0.0021	0.0083	0.0000	0.0000	0.0000	0.0000	0.0000	0.0109
NORTHEAST	0.0001	0.0013	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022
EAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0002	0.0018	0.0047	0.0000	0.0000	0.0000	0.0000	0.0000	0.0067
SOUTHWEST	0.0036	0.0345	0.0480	0.0020	0.0000	0.0000	0.0000	0.0000	0.0882
WEST	0.0007	0.0061	0.0035	0.0023	0.0000	0.0000	0.0000	0.0000	0.0126
NORTHWEST	0.0008	0.0068	0.0115	0.0168	0.0000	0.0000	0.0000	0.0000	0.0359
TOTAL:	0.0059	0.0527	0.0768	0.0211	0.0000	0.0000	0.0000	0.0000	0.1565

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.156

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.104 FROM THE WEST

STATION: 21 HANFORD METEOROLOGY STATION

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 1/ 1/82 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 17052.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0008	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012
NORTHEAST	0.0001	0.0016	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019
EAST	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
SOUTHEAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTH	0.0003	0.0034	0.0105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0143
SOUTHWEST	0.0015	0.0205	0.0132	0.0000	0.0000	0.0000	0.0000	0.0000	0.0353
WEST	0.0007	0.0018	0.0019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0044
NORTHWEST	0.0011	0.0071	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0099
TOTAL:	0.0039	0.0358	0.0277	0.0000	0.0000	0.0000	0.0000	0.0000	0.0674

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.067

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.046 FROM THE SOUTHWEST

TABLE 7.5. Continued

STATION: 23 100 - F AREA

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 8260.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0002	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
NORTHEAST	0.0002	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013
EAST	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
SOUTHEAST	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SOUTH	0.0002	0.0045	0.0214	0.0106	0.0000	0.0000	0.0000	0.0000	0.0366
SOUTHWEST	0.0009	0.0171	0.0220	0.0009	0.0000	0.0000	0.0000	0.0000	0.0409
WEST	0.0013	0.0118	0.0124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0255
NORTHWEST	0.0011	0.0149	0.0081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0241
TOTAL:	0.0040	0.0501	0.0639	0.0114	0.0000	0.0000	0.0000	0.0000	0.1295

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.129

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.084 FROM THE SOUTHWEST

STATION: 24 GABLE WEST

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 3/ 6/86 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 8276.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0003	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007
NORTHEAST	0.0002	0.0023	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0034
EAST	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
SOUTHEAST	0.0002	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011
SOUTH	0.0002	0.0036	0.0302	0.0074	0.0000	0.0000	0.0000	0.0000	0.0415
SOUTHWEST	0.0007	0.0133	0.0196	0.0064	0.0000	0.0000	0.0000	0.0000	0.0400
WEST	0.0011	0.0115	0.0088	0.0000	0.0000	0.0000	0.0000	0.0000	0.0214
NORTHWEST	0.0006	0.0066	0.0032	0.0000	0.0000	0.0000	0.0000	0.0000	0.0104
TOTAL:	0.0032	0.0388	0.0627	0.0138	0.0000	0.0000	0.0000	0.0000	0.1186

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.119

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.080 FROM THE SOUTHWEST

TABLE 7.5. Continued

STATION: 25 VERNITA BRIDGE

SEASON: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA FOR THIS STATION BEGIN: 2/ 8/88 AT 0100 PST
 DATA FOR THIS STATION END: 12/31/89 AT 2400 PST
 TOTAL NUMBER OF HOURS OF ANALYZED DATA: 4136.

CONTRIBUTION TO THE AVERAGE SAND DRIFT POTENTIAL (g/ms)
 FROM EACH WIND DIRECTION SECTOR AND WIND SPEED CLASS

WIND DIRECTION SECTOR (FROM WHICH THE WIND IS BLOWING)	WIND SPEED CLASS (MPH)								TOTAL
	13 - 18	19 - 24	25 - 31	32 - 37	38 - 43	44 - 50	51 - 60	>60	
NORTH	0.0005	0.0031	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049
NORTHEAST	0.0000	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010
EAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTHEAST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH	0.0000	0.0004	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0027
SOUTHWEST	0.0008	0.0306	0.0384	0.0000	0.0000	0.0000	0.0000	0.0000	0.0698
WEST	0.0018	0.0090	0.0052	0.0000	0.0000	0.0000	0.0000	0.0000	0.0160
NORTHWEST	0.0025	0.0294	0.0217	0.0000	0.0000	0.0000	0.0000	0.0000	0.0537
TOTAL:	0.0056	0.0734	0.0690	0.0000	0.0000	0.0000	0.0000	0.0000	0.1480

AVERAGE SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.148

RESULTANT SAND DRIFT POTENTIAL (g/ms) FOR THIS SEASON: 0.103 FROM THE WEST

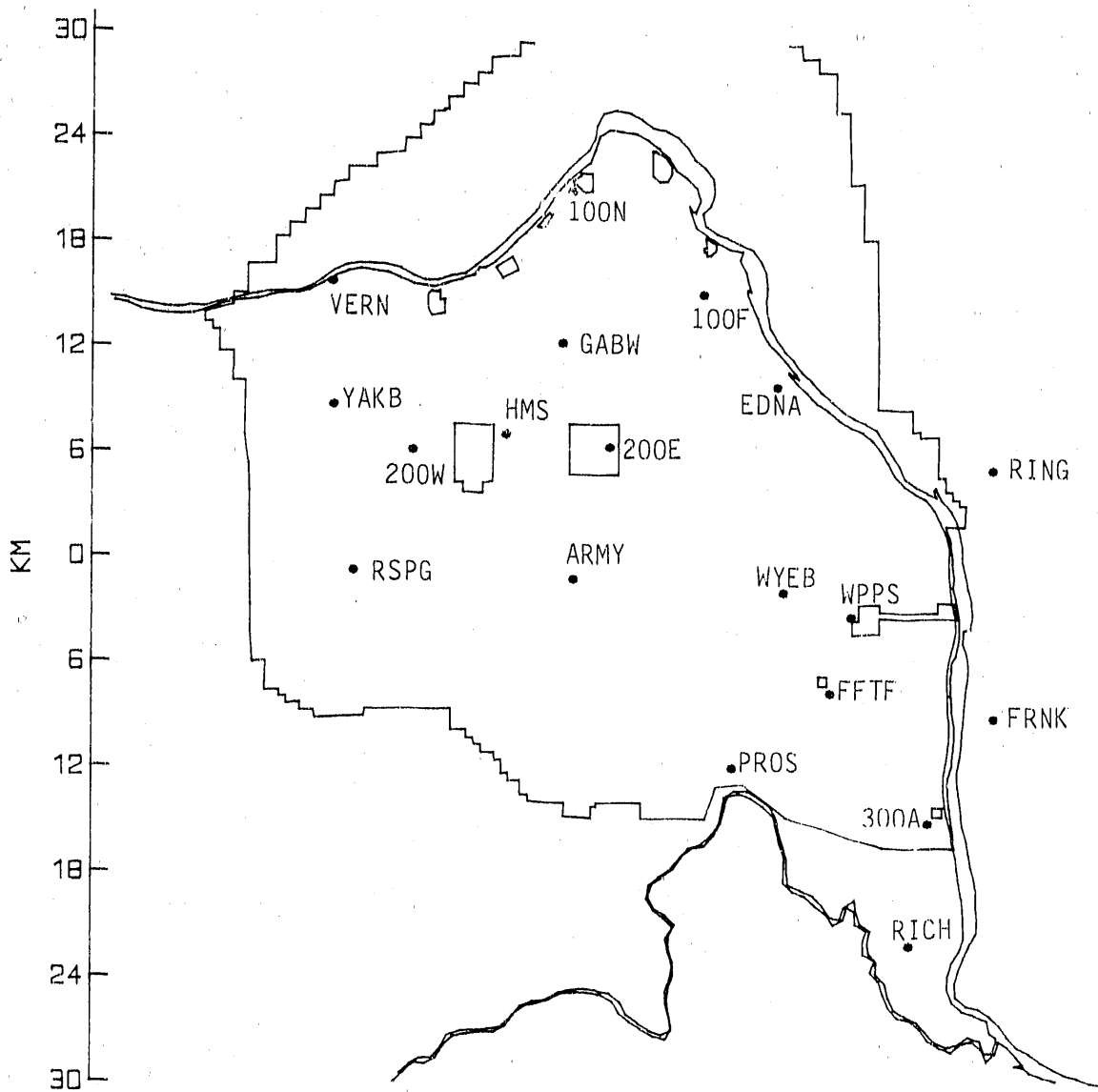


FIGURE 7.1. Wind Monitoring Stations on the Hanford Site. Station IDs are provided for reference with the succeeding figures on which sand roses are plotted.

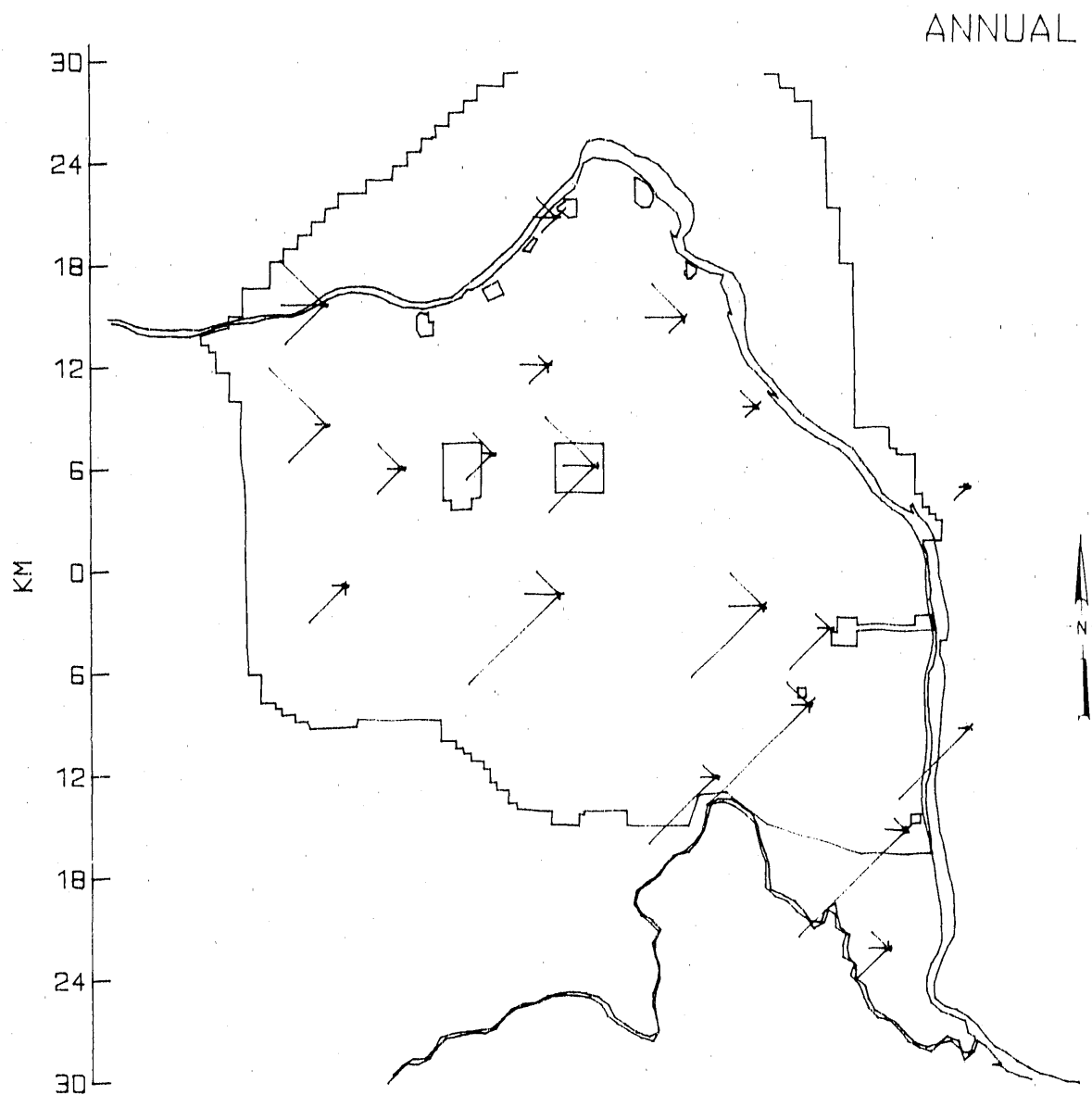


FIGURE 7.2. Sand Roses for the Hanford Site Using all Available Data from the Study Period. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

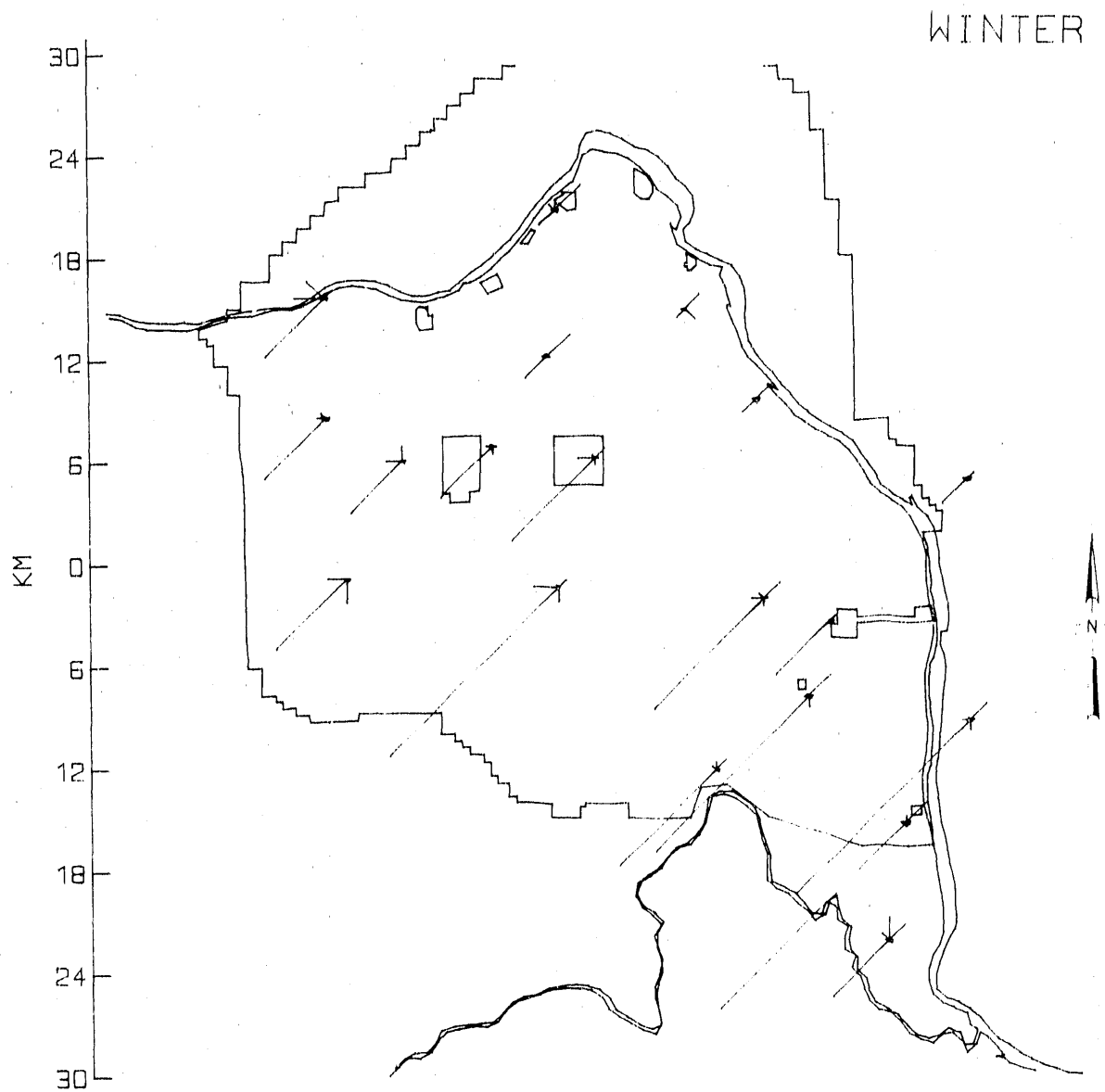


FIGURE 7.3. Sand Roses for the Hanford Site--Winter Season. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

SPRING

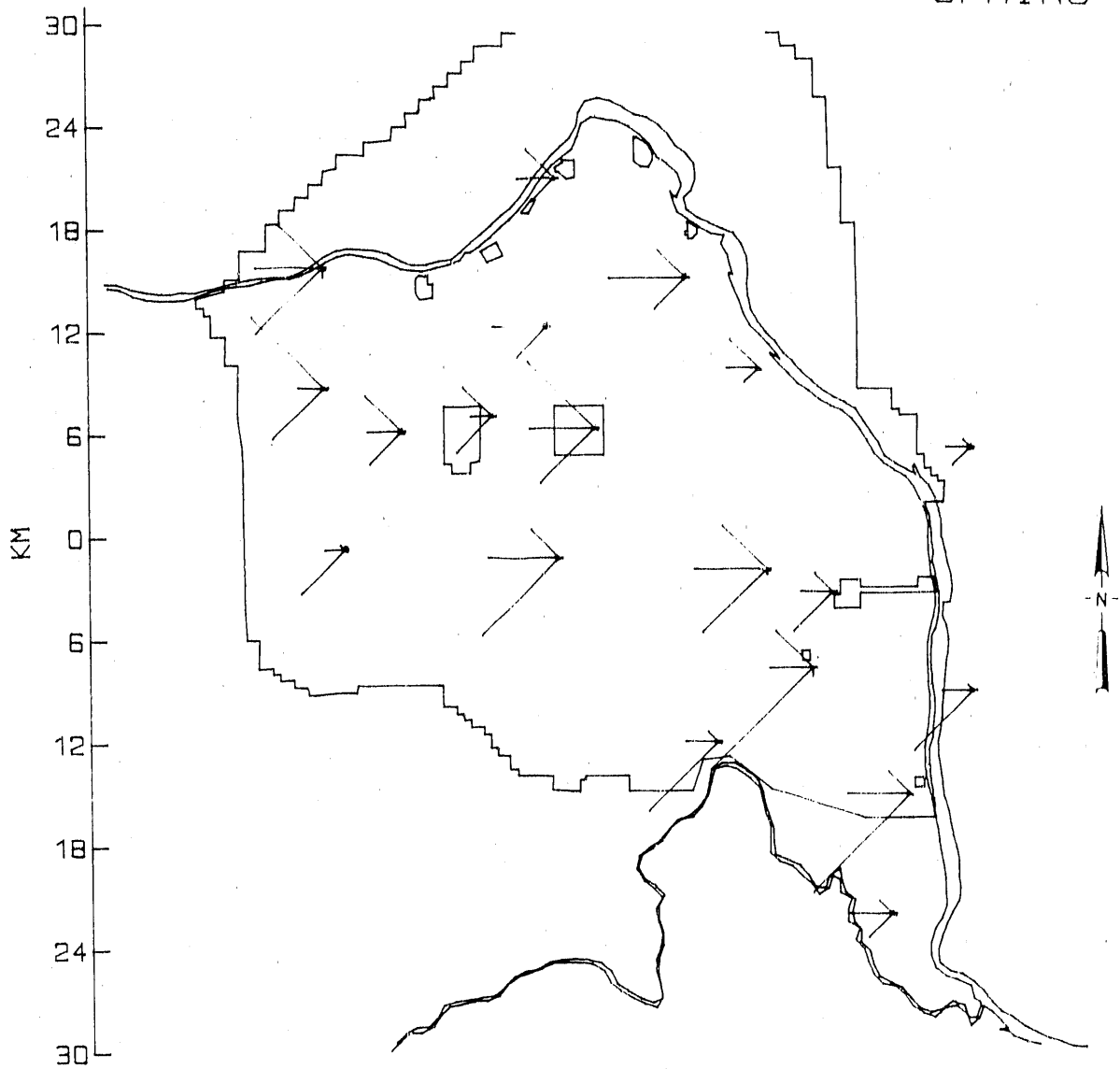


FIGURE 7.4. Sand Roses for the Hanford Site--Spring Season. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

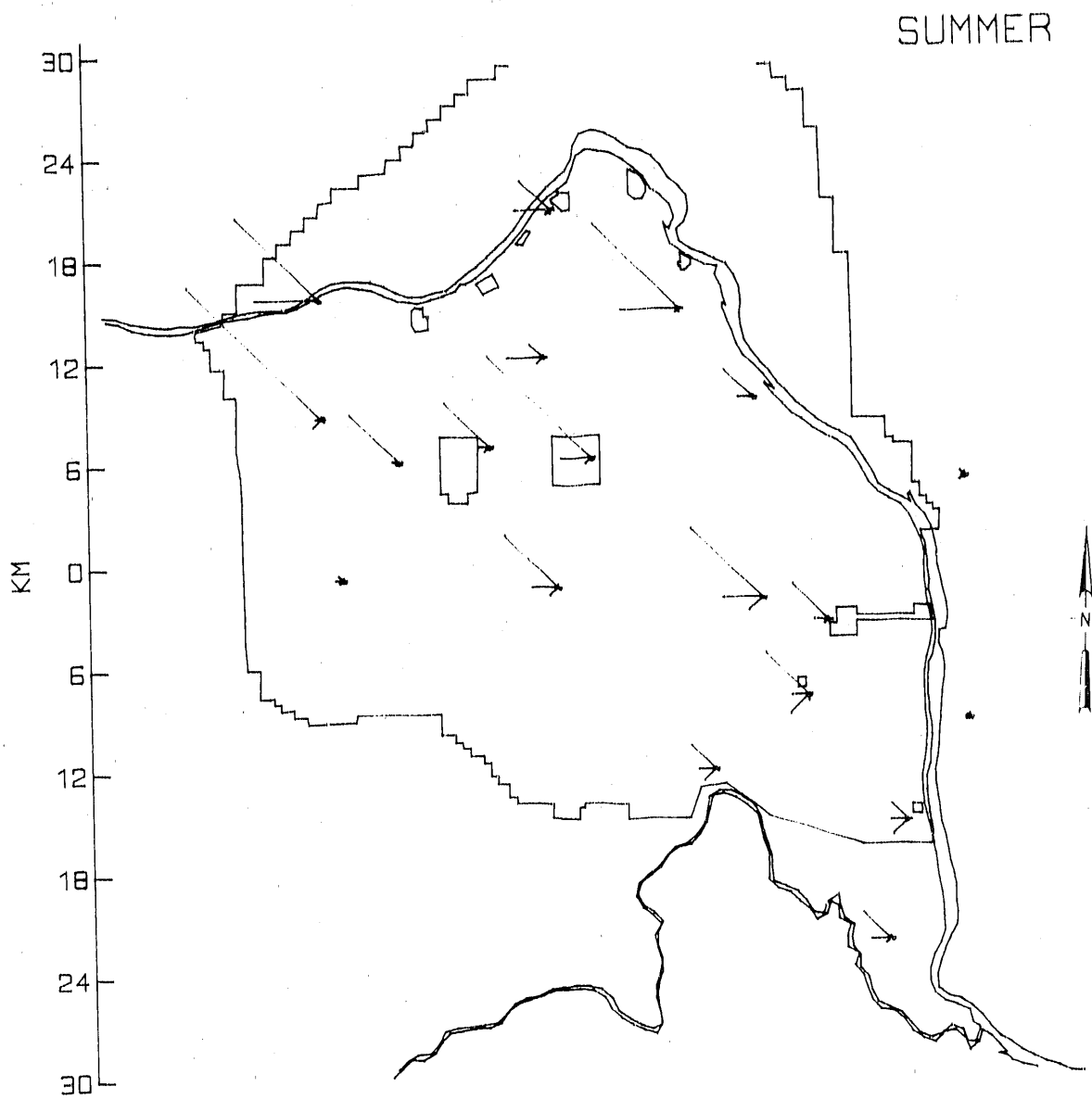


FIGURE 7.5. Sand Roses for the Hanford Site--Summer Season. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

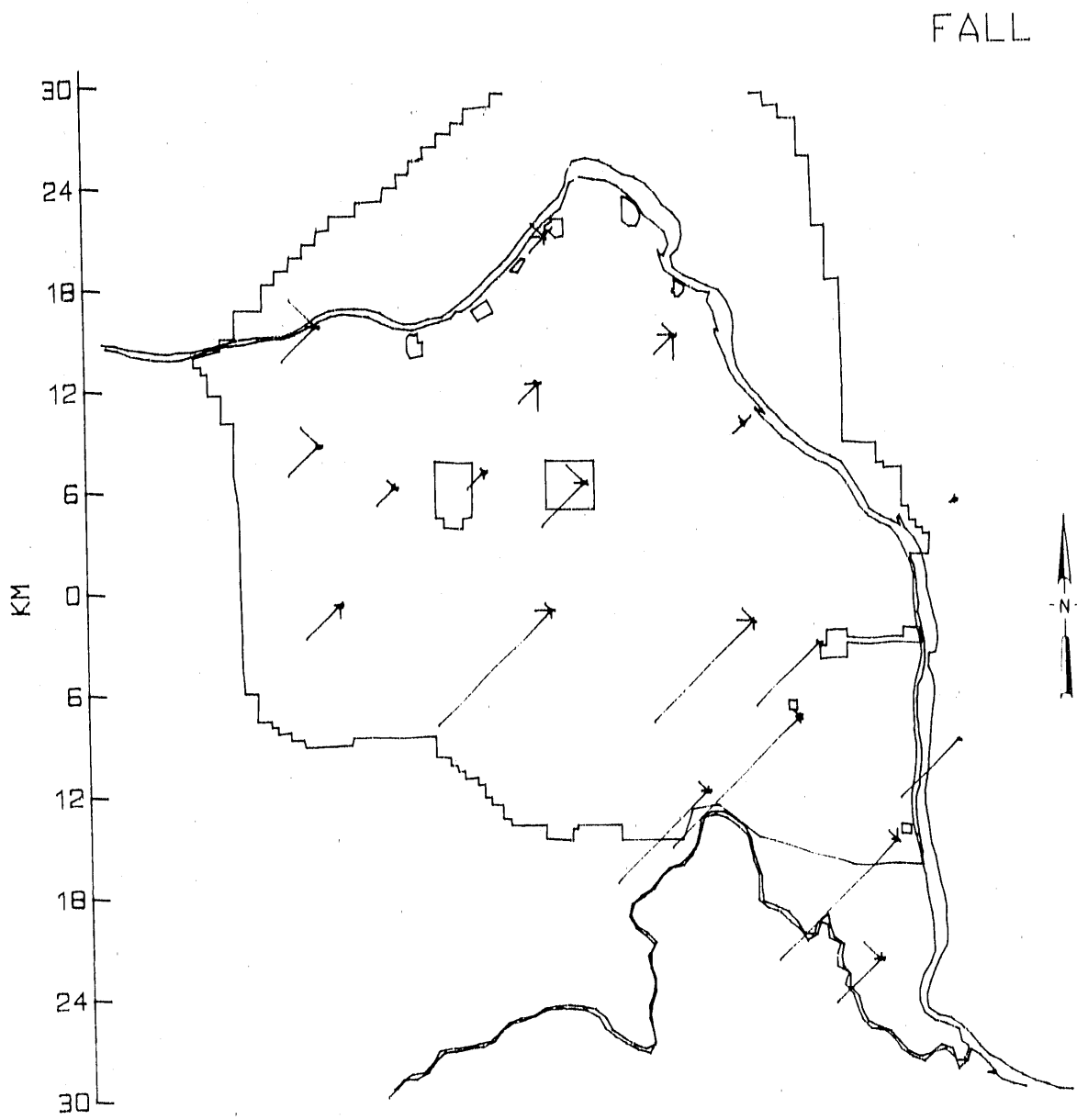


FIGURE 7.6. Sand Roses for the Hanford Site--Fall Season. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

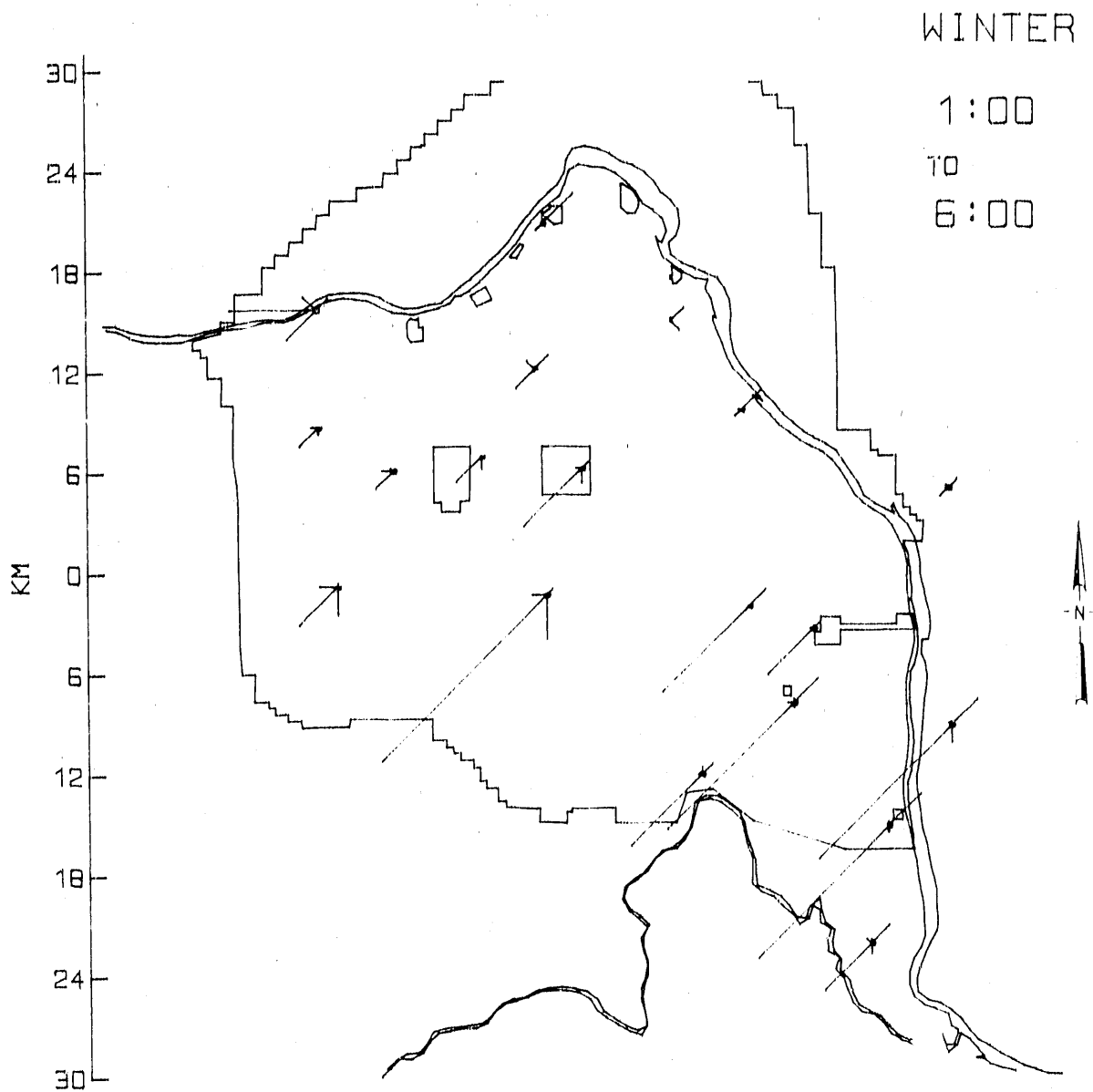


FIGURE 7.7. Sand Roses for the Hanford Site--Winter Season--0100 through 0600 PST. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

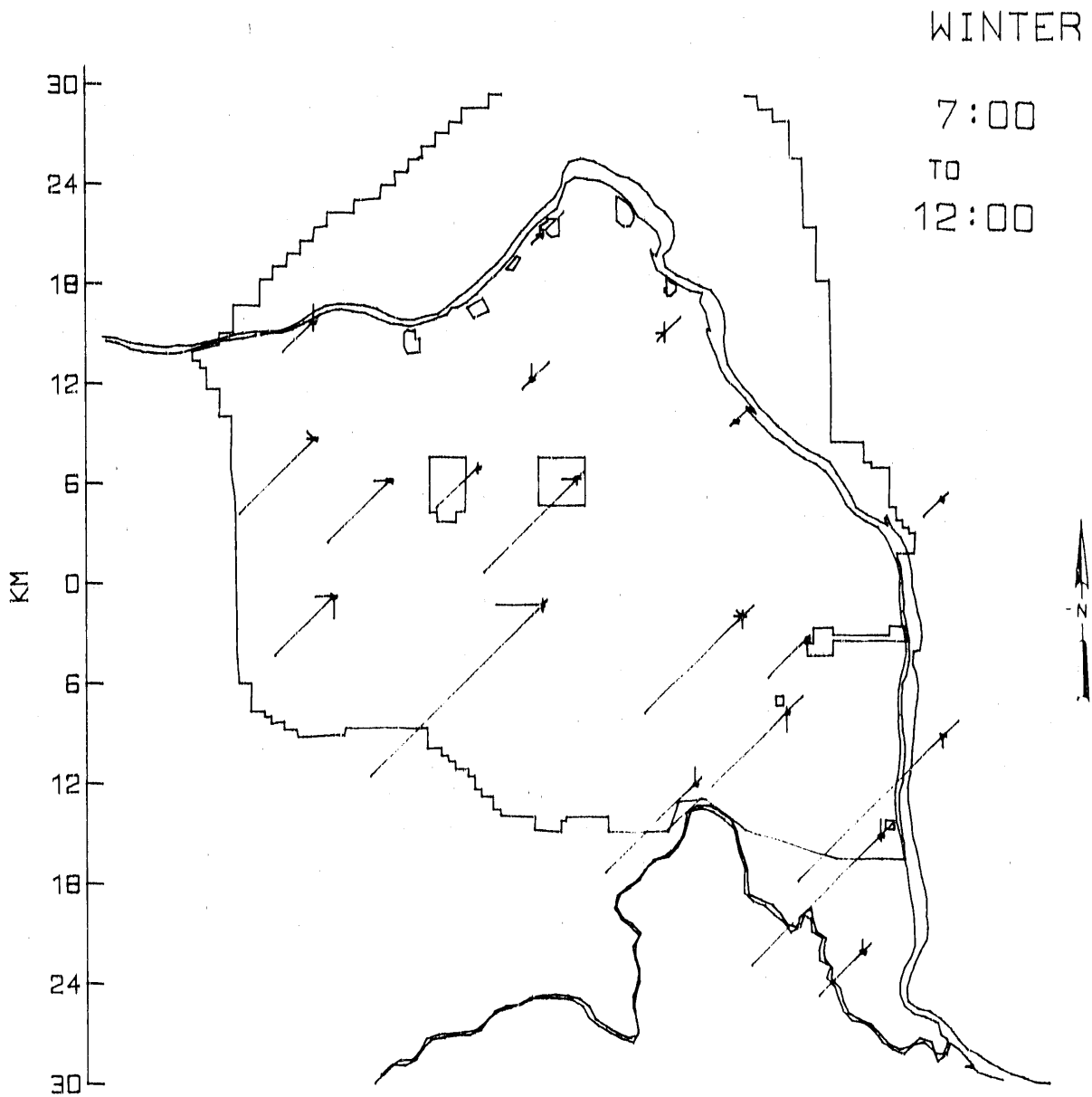


FIGURE 7.8. Sand Roses for the Hanford Site--Winter Season--0700 through 1200 PST. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

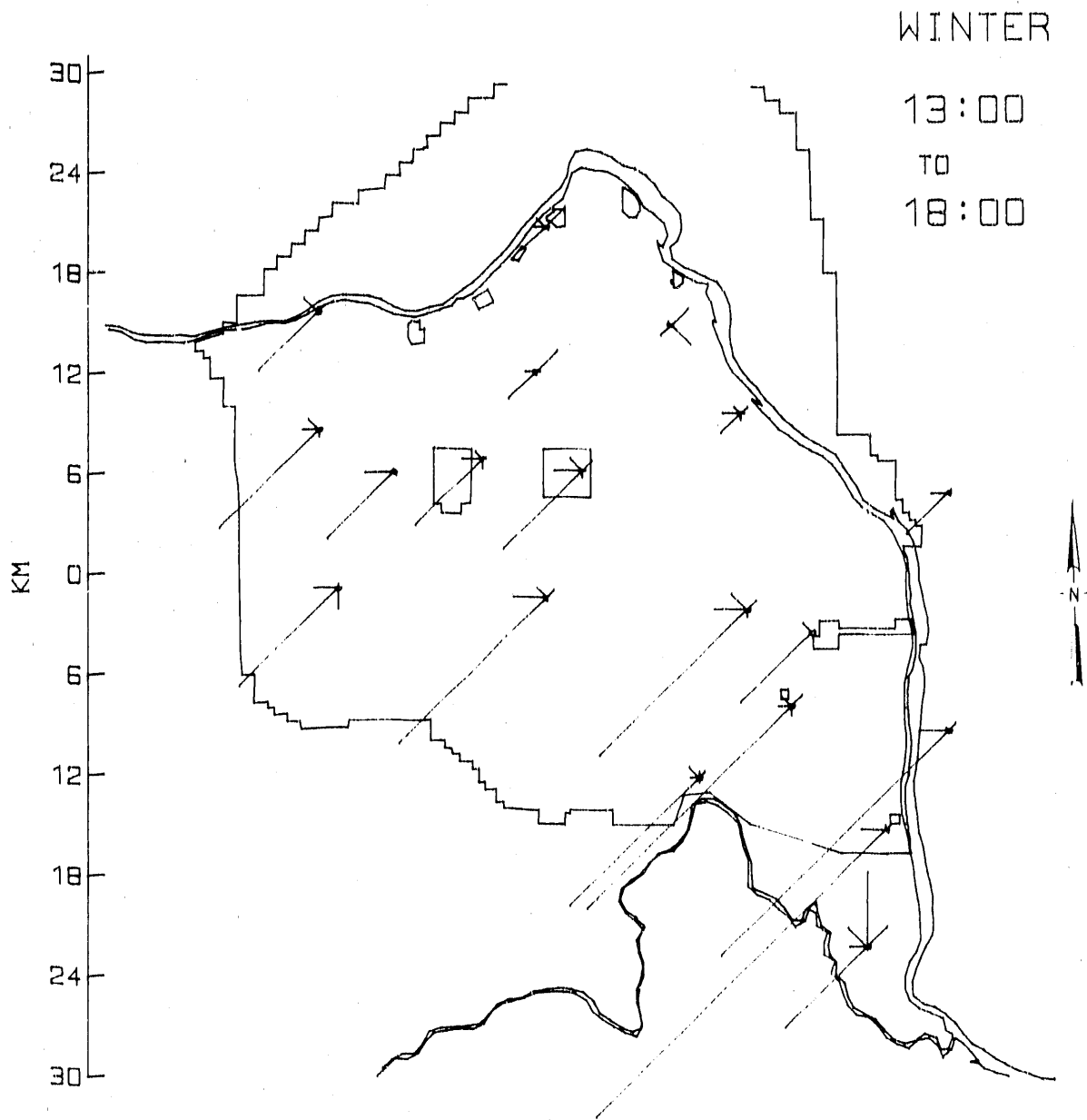


FIGURE 7.9. Sand Roses for the Hanford Site--Winter Season--1300 through 1800 PST. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

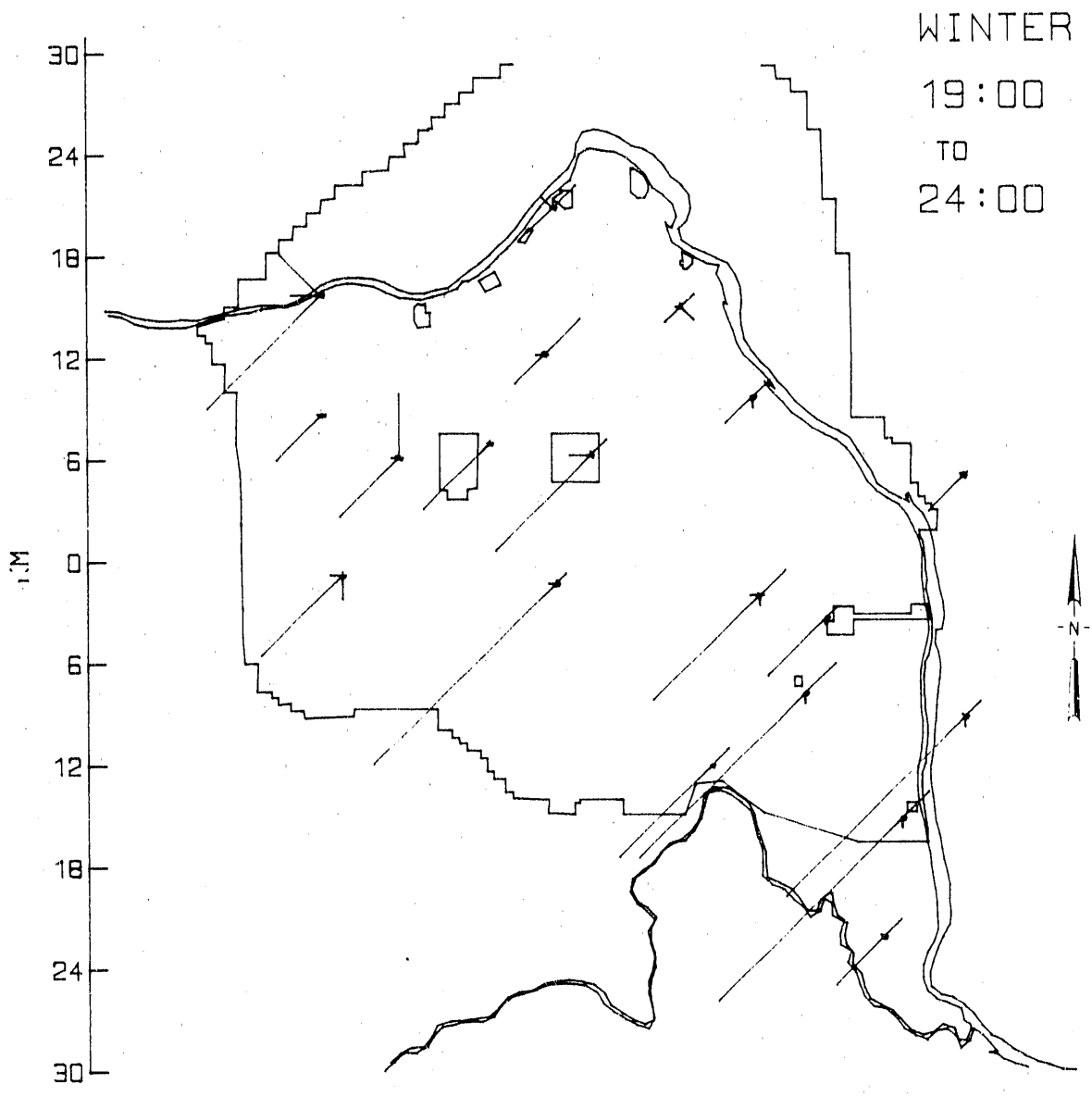


FIGURE 7.10. Sand Roses for the Hanford Site--Winter Season--1900 through 2400 PST. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

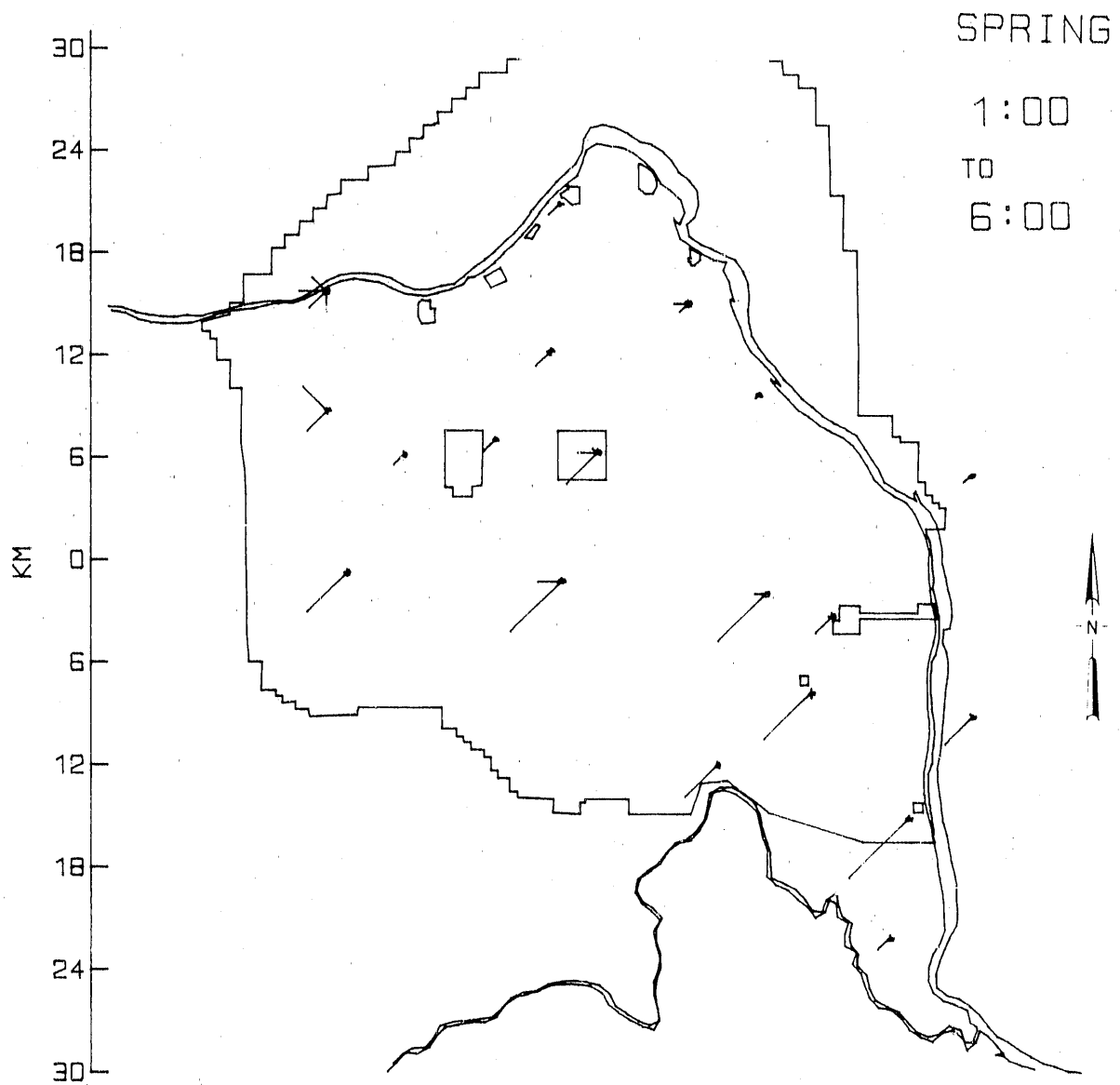


FIGURE 7.11. Sand Roses for the Hanford Site--Spring Season--0100 through 0600 PST. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

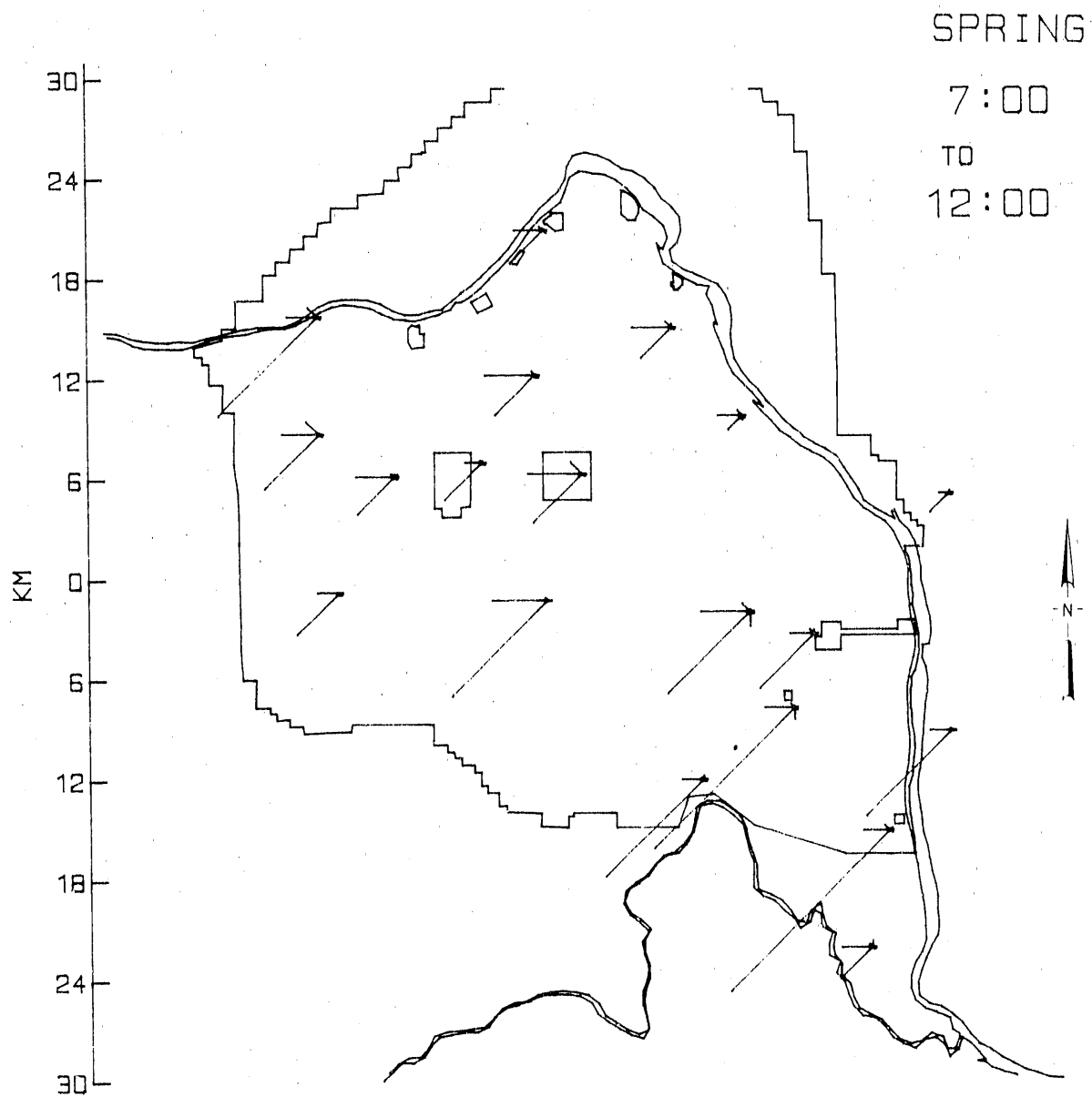


FIGURE 7.12. Sand Roses for the Hanford Site--Spring Season--0700 through 1200 PST. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

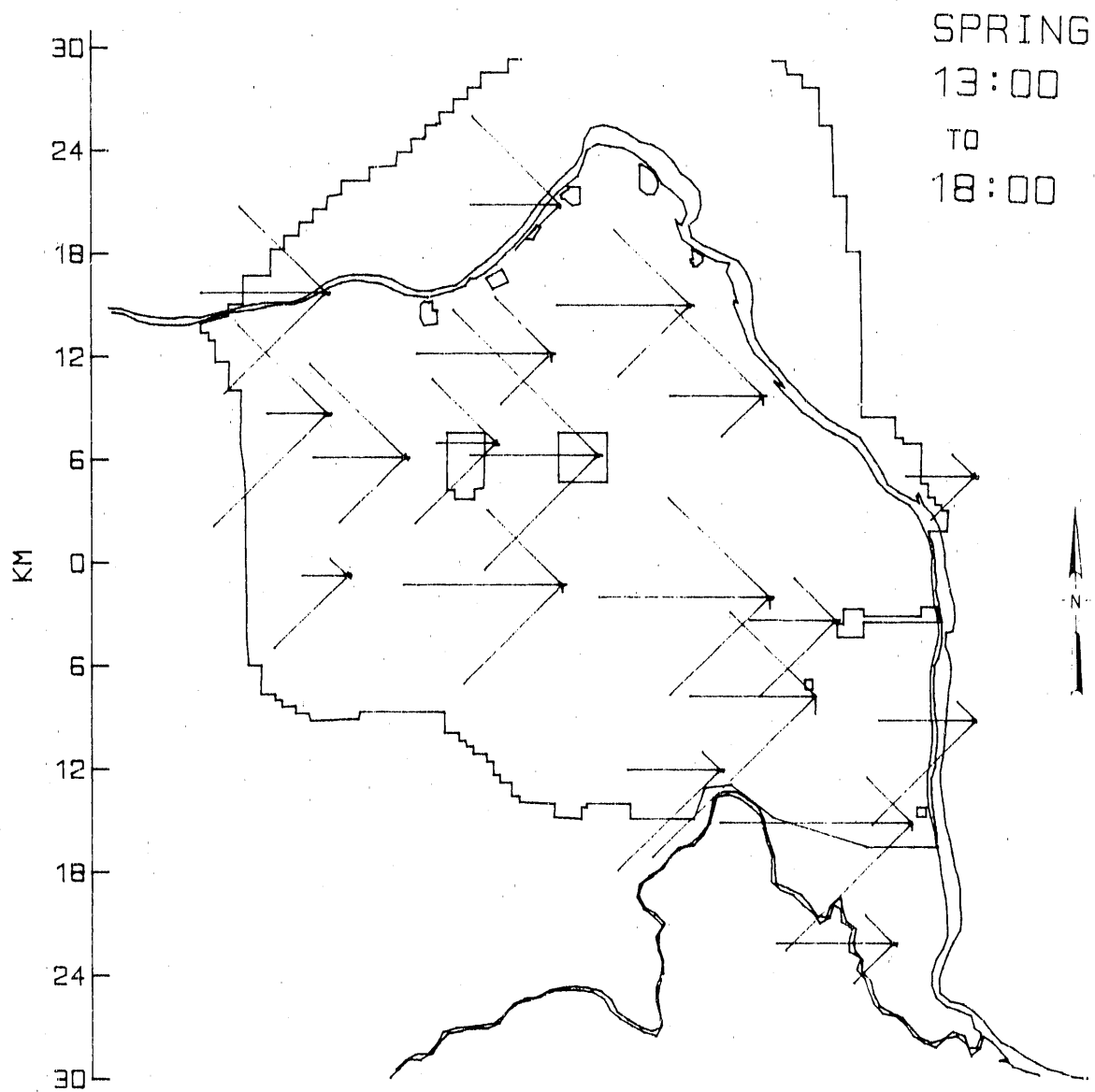


FIGURE 7.13. Sand Roses for the Hanford Site--Spring Season--1300 through 1800 PST. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

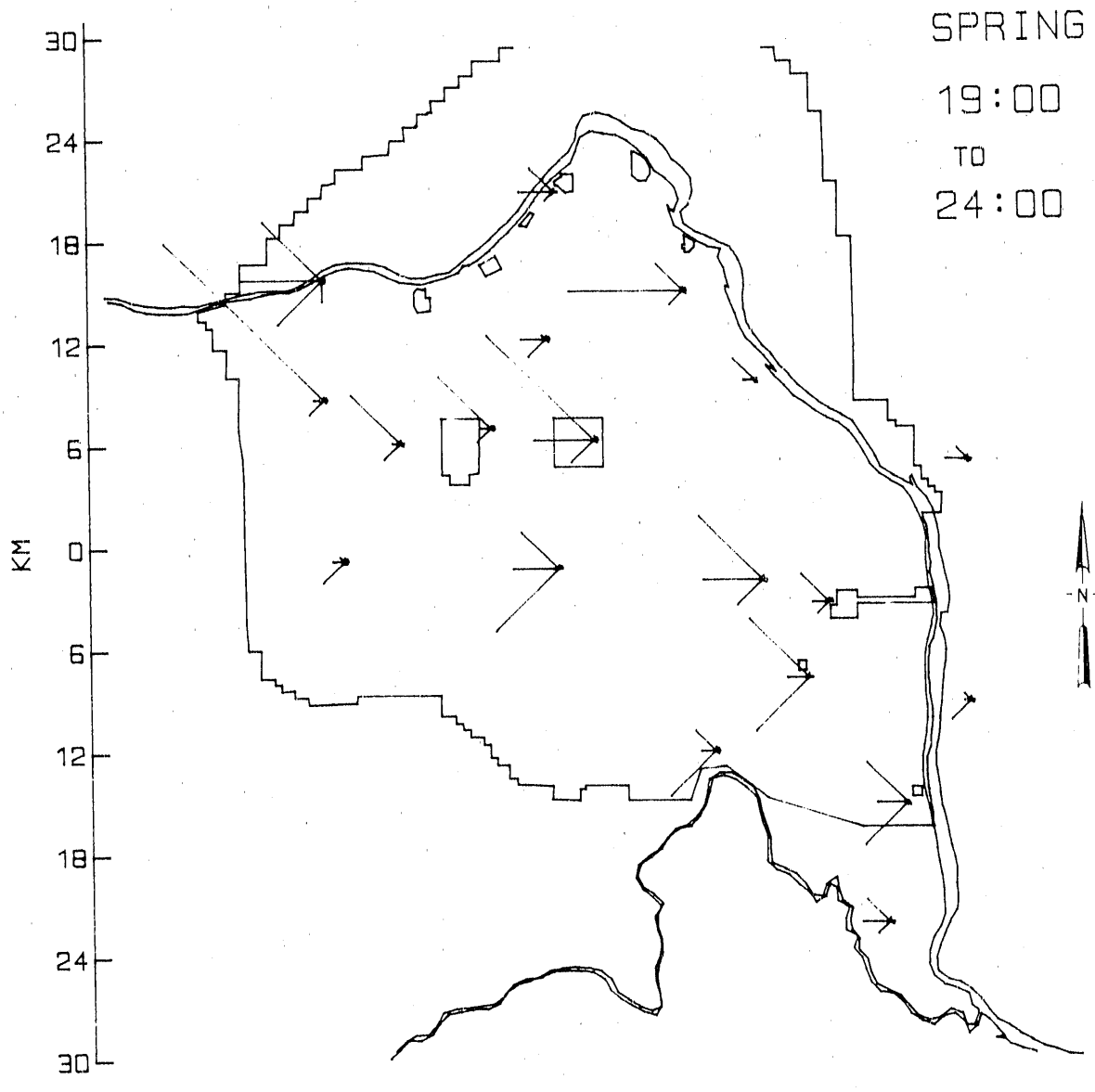


FIGURE 7.14. Sand Roses for the Hanford Site--Spring Season--1900 through 2400 PST. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

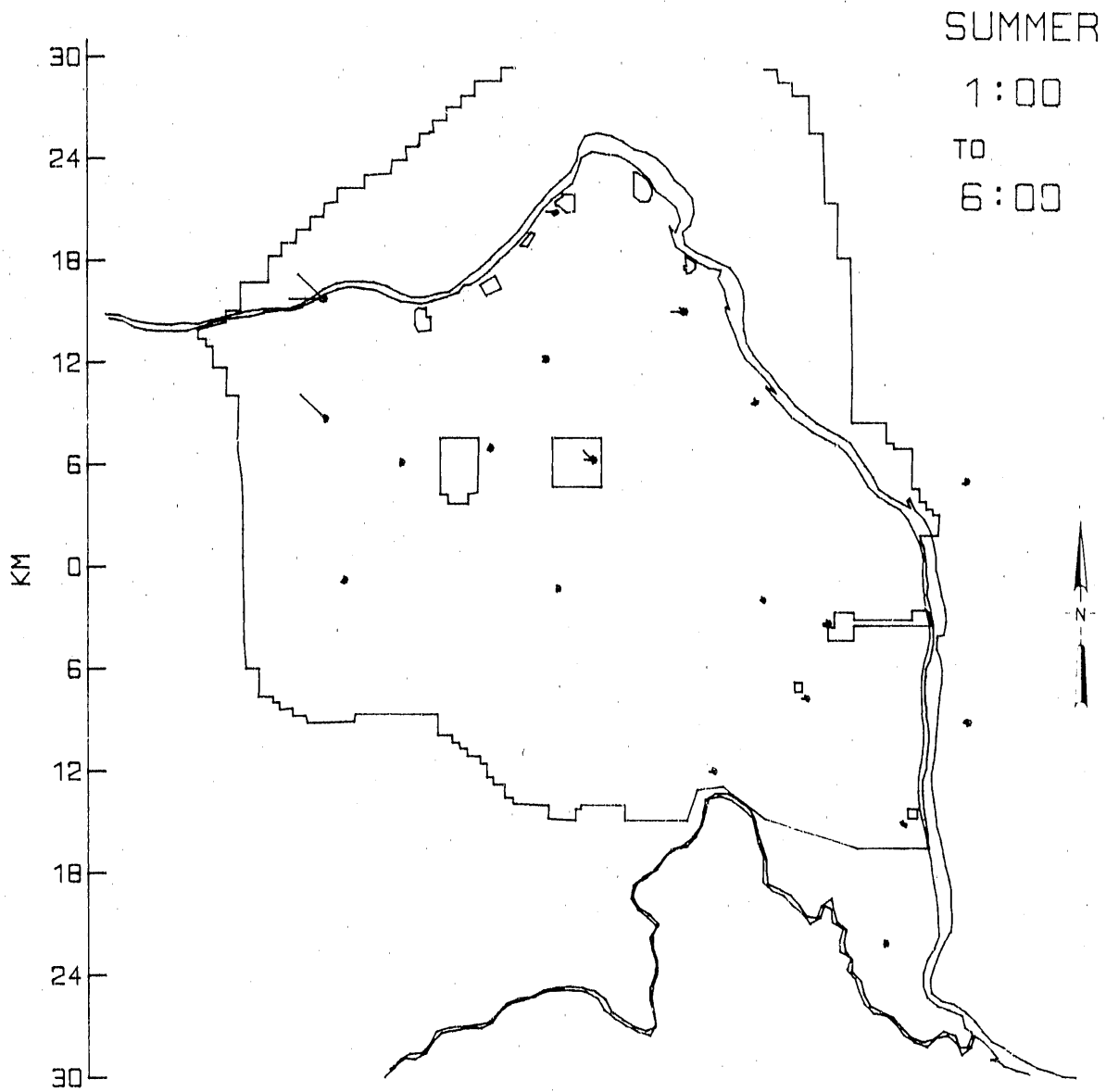


FIGURE 7.15. Sand Roses for the Hanford Site--Summer Season--0100 through 0600 PST. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

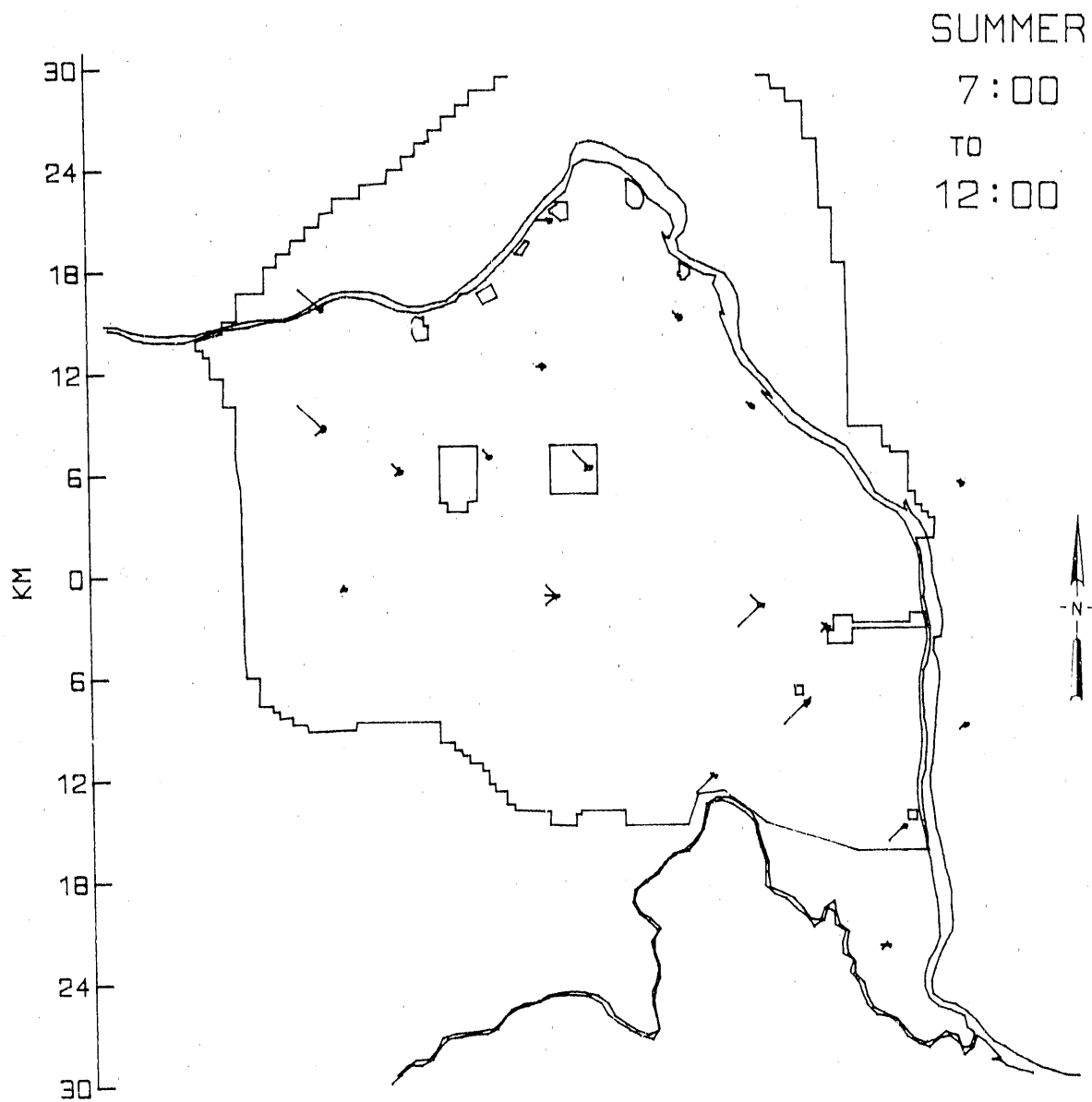


FIGURE 7.16. Sand Roses for the Hanford Site--Summer Season--0700 through 1200 PST. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

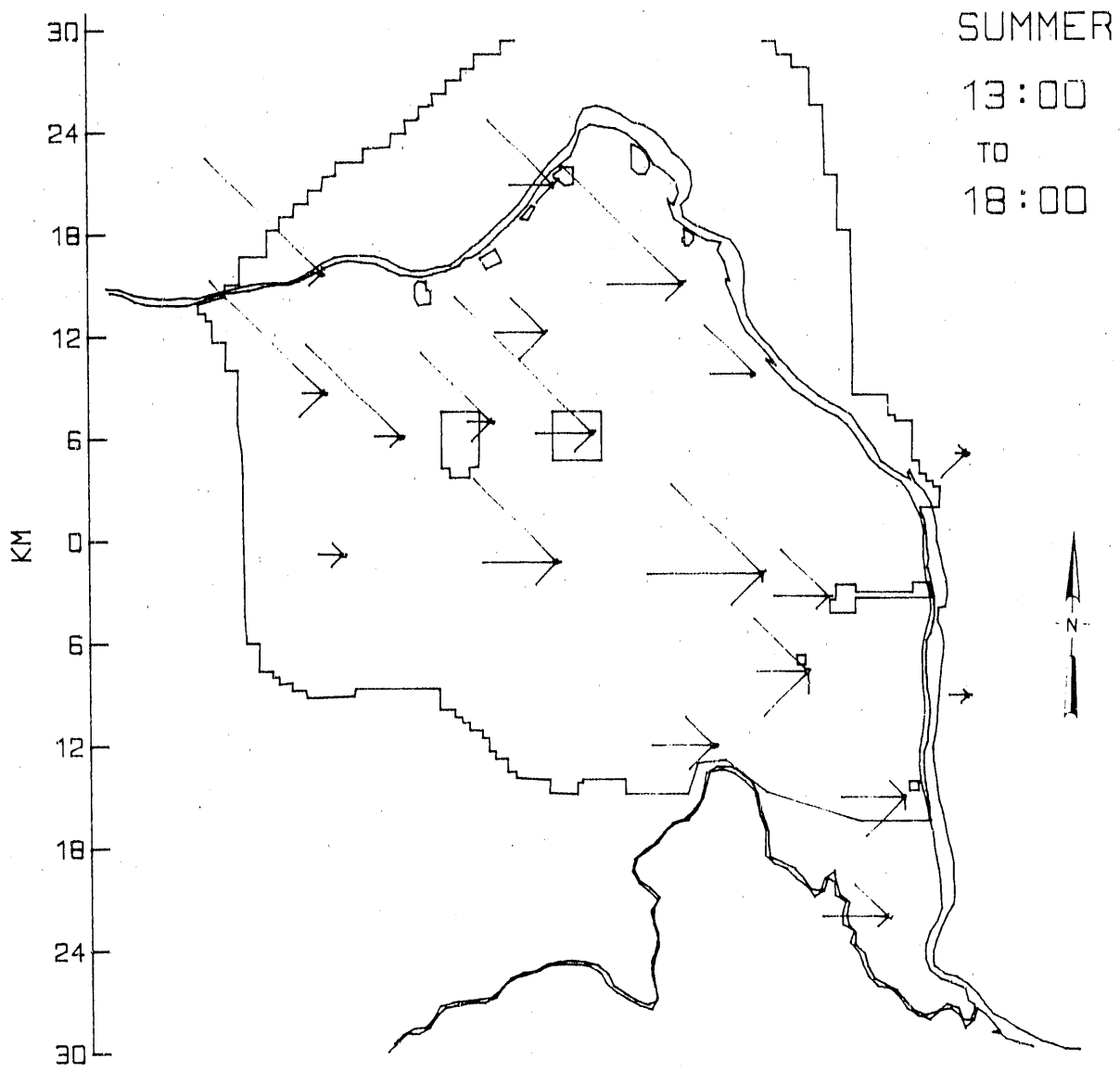


FIGURE 7.17. Sand Roses for the Hanford Site--Summer Season--1300 through 1800 PST. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

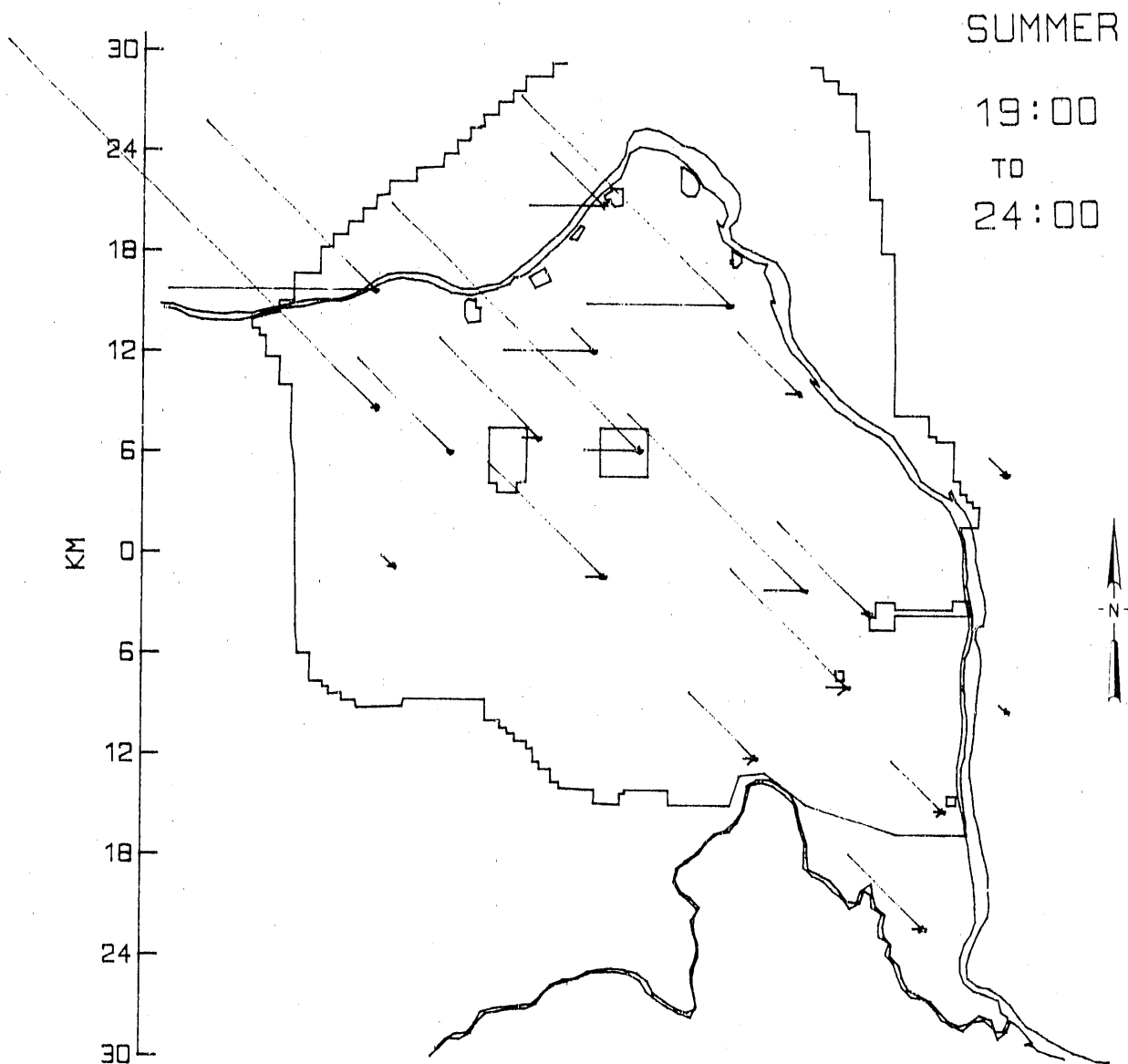


FIGURE 7.18. Sand Roses for the Hanford Site--Summer Season--1900 through 2400 PST. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

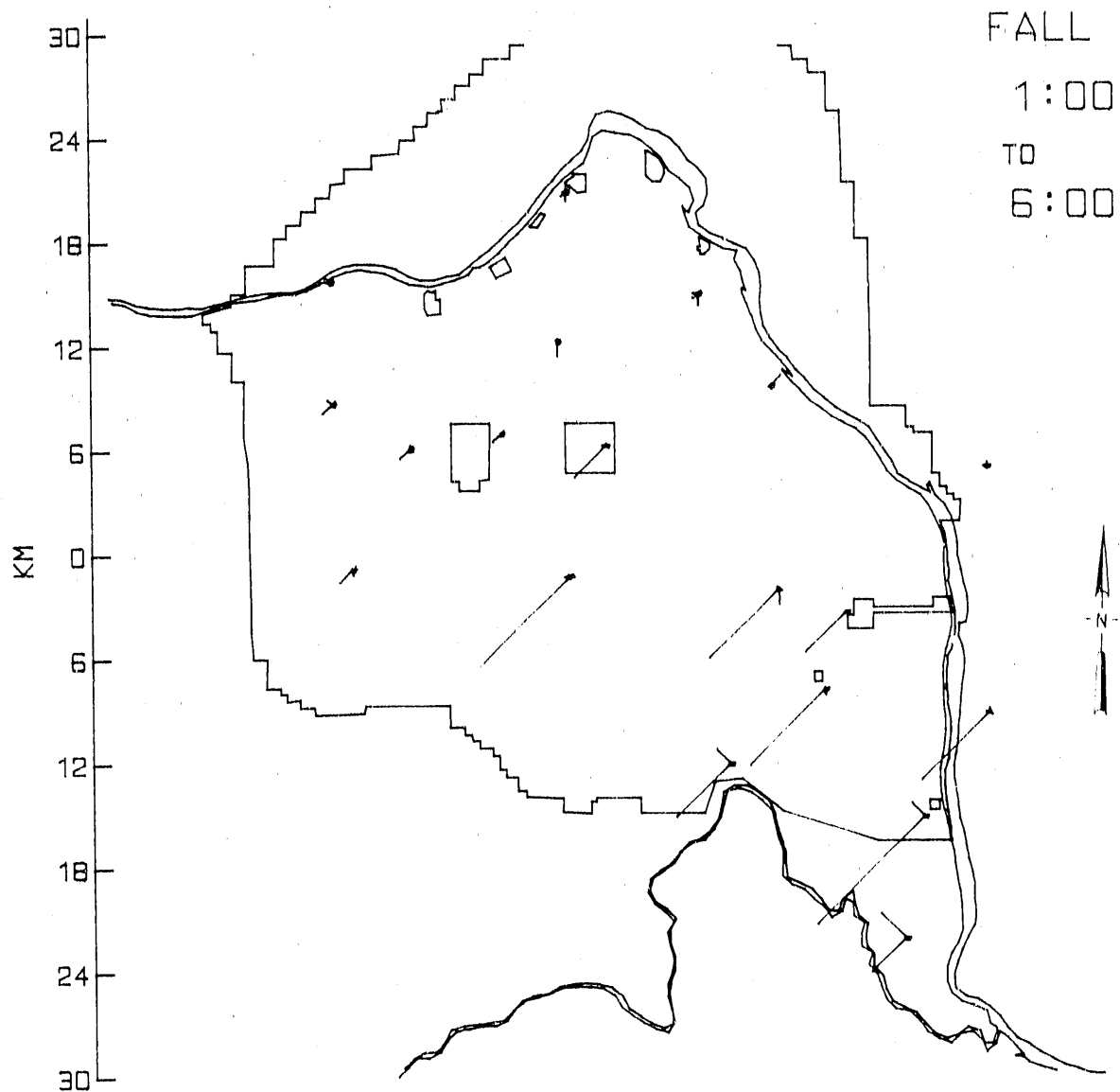


FIGURE 7.19. Sand Roses for the Hanford Site--Fall Season--0100 through 0600 PST. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

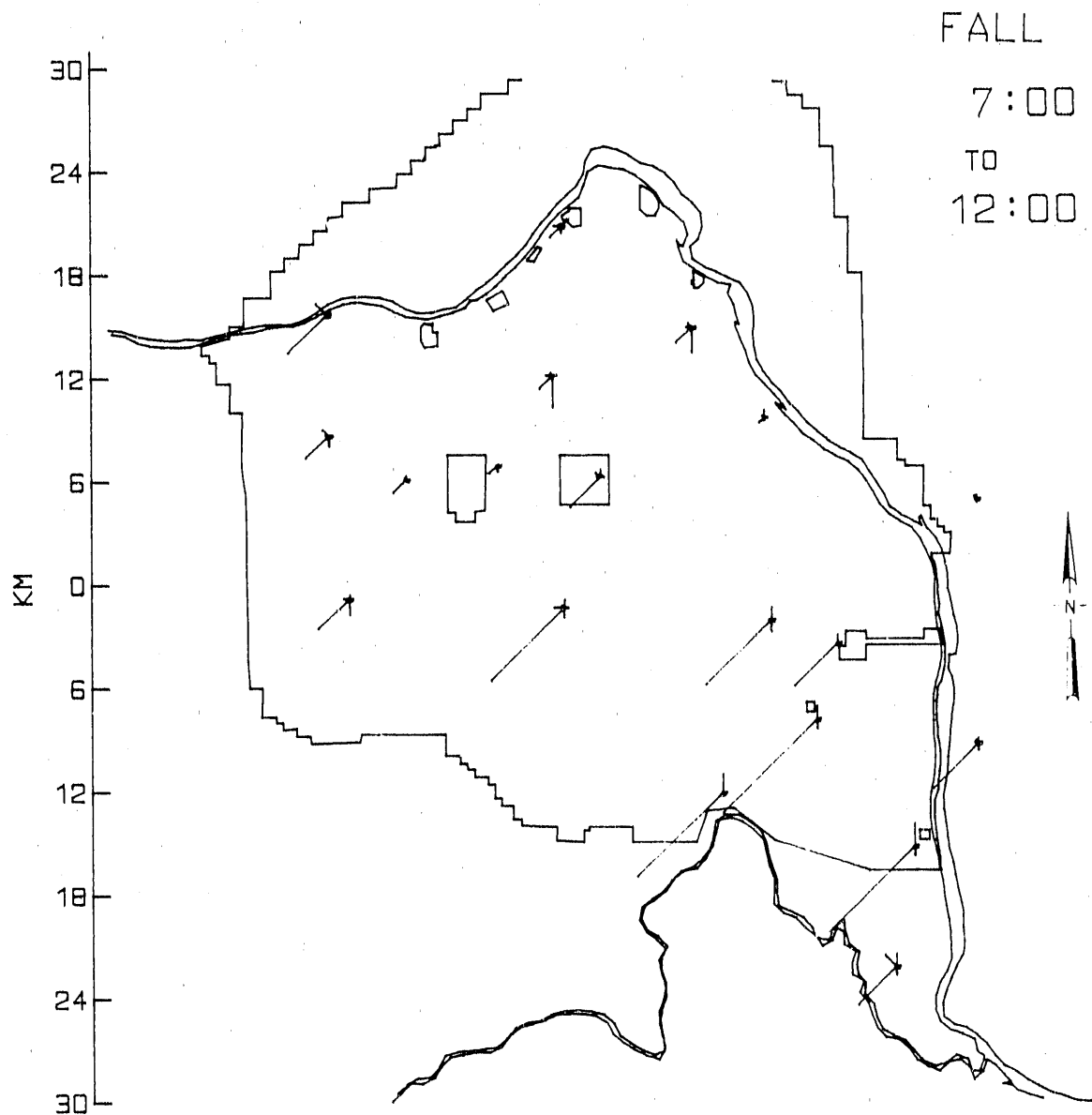


FIGURE 7.20. Sand Roses for the Hanford Site--Fall Season--0700 through 1200 PST. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

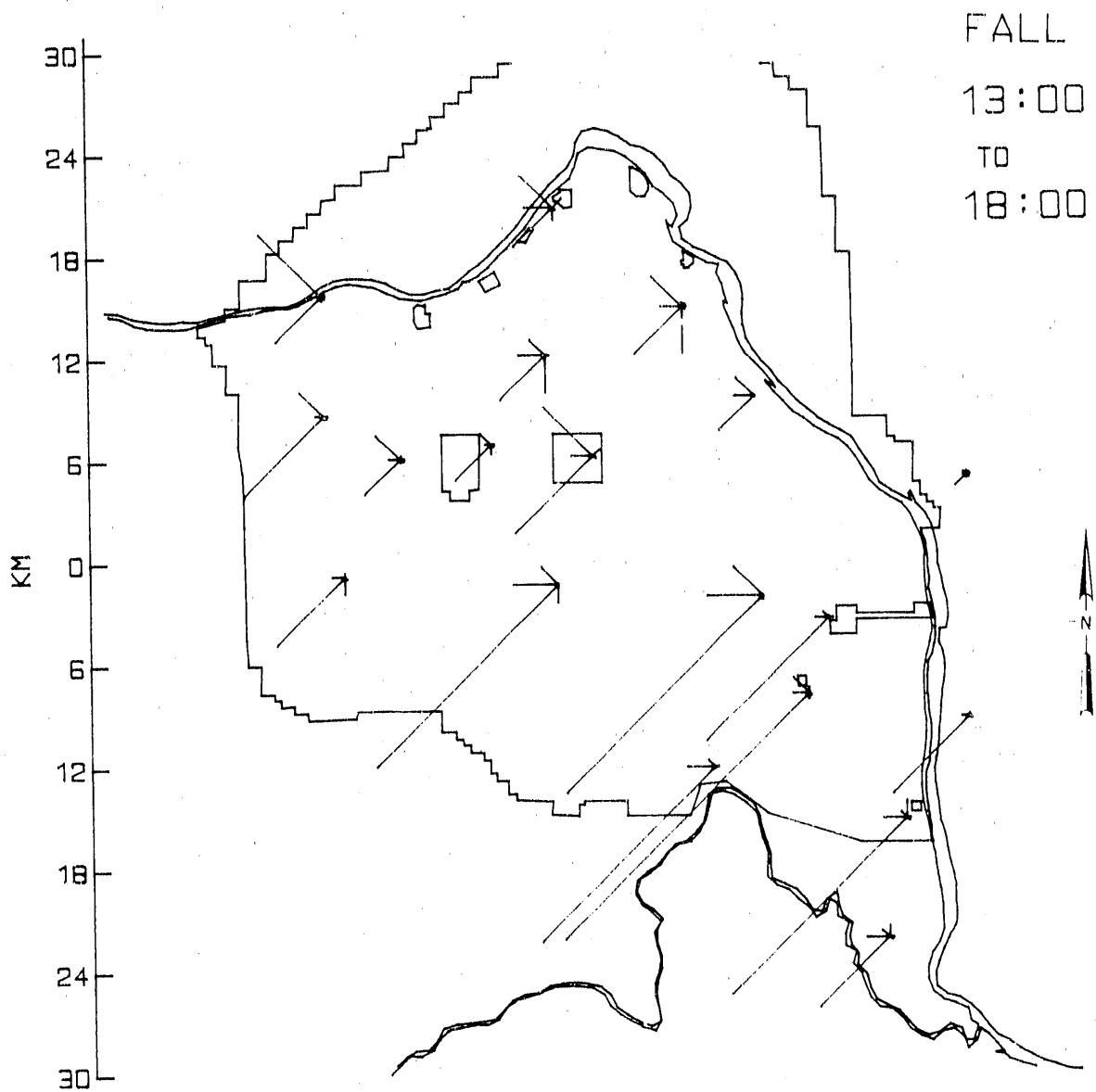


FIGURE 7.21. Sand Roses for the Hanford Site--Fall Season--1300 through 1800 PST. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

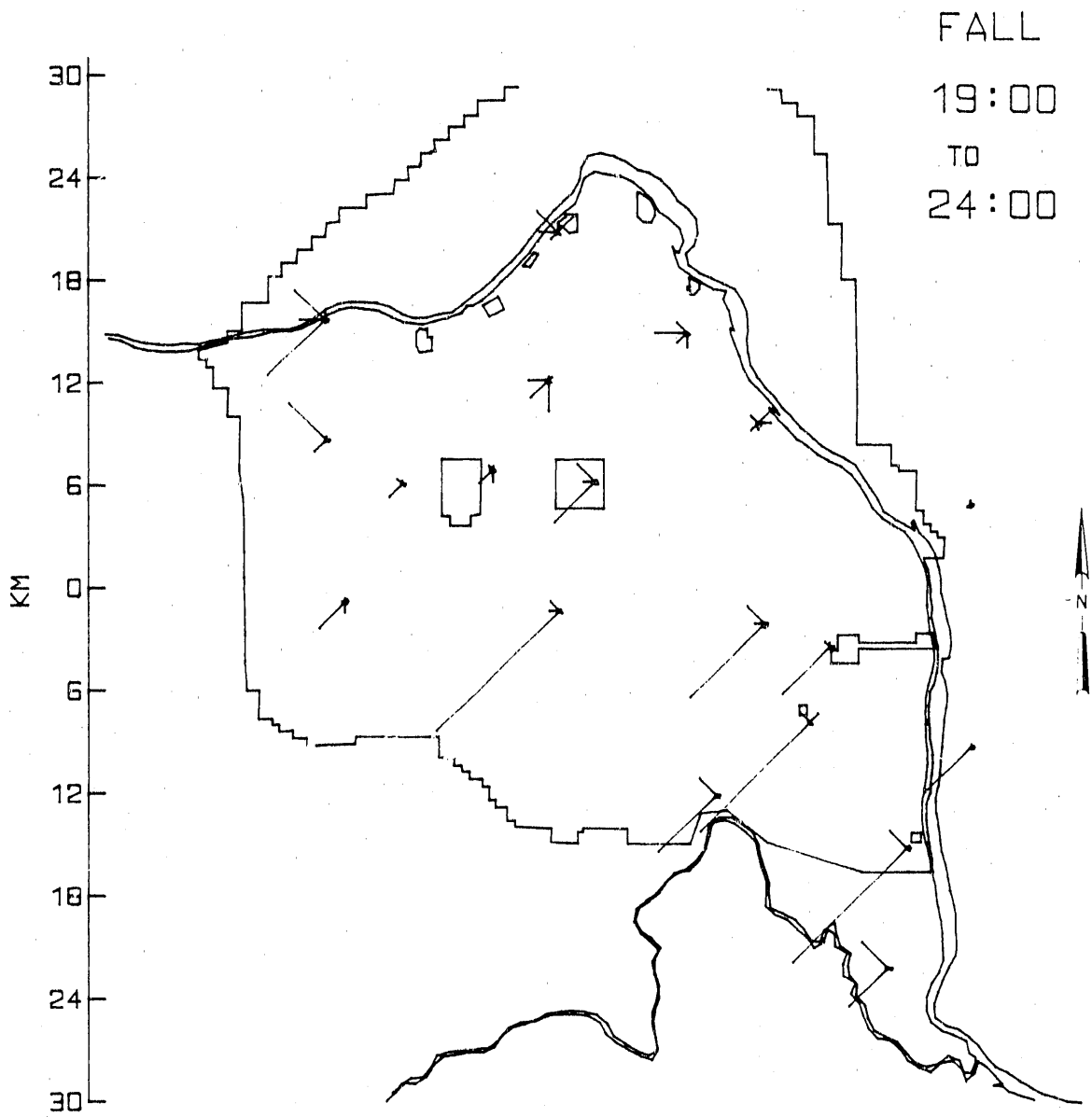


FIGURE 7.22. Sand Roses for the Hanford Site--Fall Season--1900 through 2400 PST. In the sand roses, a line length of 1 cm represents a sand drift potential of 0.1 g/ms.

8.0 AVERAGE AIR TEMPERATURES

In this section, we present averages of air temperature data collected at each of the Hanford Meteorology Monitoring Network stations. Differences in the average temperatures computed from data collected at monitoring stations within the Hanford Site and surrounding areas can result from differences in elevation, vegetation, wind regimes, cloud cover patterns, available moisture, and urban influences.

In Table 8.1, hourly temperature data are presented for each station using all available data from the study period. In Table 8.2, average temperatures are presented using data collected during the winter, spring, summer, and fall. In Table 8.3, average temperatures are presented using data for each season and time-of-day category. The data presented in these tables are for the period from August 1, 1988, through July 31, 1990, thus representing 2 full years of data for each of the monitoring stations.

The top line of each table gives the name of the season being examined and the time of day being examined. The season category may be "ALL", "WINTER", "SPRING", "SUMMER", or "FALL". The category "ALL" indicates that the average temperatures are computed using temperature data from throughout the years (independent of the season). The time-of-day category may be "ALL", or one of six categories that each represent one sixth of the available data for a day. These six categories are "0100 to 0400 PST", "0500 to 0800 PST", "0900 to 1200 PST", "1300 to 1600 PST", "1700 to 2000 PST", "2100 to 2400 PST" and each represents 4 hours of hourly averaged data per day.

In the data summary, the beginning and ending dates for the data being analyzed are provided. In the body of each table, average temperature values (in °F) are given for the indicated season and time of day.

It is beyond the scope of this document to provide a comprehensive analysis of all the information presented in the tables on the following pages. We will, however, provide a brief discussion of some of the major features illustrated in the tables. Examining Table 8.1, we see that there are no significant differences in the average temperatures between the stations in the northern and southern halves of the Hanford Site. There are also no discernable differences between the stations on the 200 Area Plateau (e.g.,

also no discernable differences between the stations on the 200 Area Plateau (e.g., 200 West, Hanford Meteorology, 200 East, and Yakima Barricade stations) and stations below the plateau (e.g., the Wye Barricade, 100-F, Edna, WNP-2, FFTF, 300 Area stations). The only significant temperature difference is between the Rattlesnake Mountain station and the other monitoring stations. This difference is explained by the high elevation of the Rattlesnake Mountain station [3560-ft (1065-m) above sea level], over 2000 ft (600 m) higher in elevation than the next highest monitoring station.

Examining Tables 8.1 and 8.2, we detect small differences in the average temperatures of the stations as a function of their elevation, local topography, and location with respect to local terrain features (e.g., ridges, the Columbia River). In the winter, differences in average temperature are relatively small. Some of the stations that are surrounded by higher terrain (e.g., the 200 West station or Edna) might periodically experience cooler temperatures at night owing to cool air drainage off of surrounding features. As the weather grows warmer in the spring, the range of the average temperatures grows larger, especially at night. Stations on the 200 Area plateau were on average about 3°F (1.4°C) warmer than stations to the east. In the summer, stations in the north and central portion of the Hanford Site have daytime temperatures that averaged a few °F warmer than stations in the southern portion of the study region. At night, stations on the Hanford Site averaged several °F warmer than stations located east of the Columbia River. In the fall, as the weather turns cooler, stations at lower elevations averaged several °F cooler at night than stations on the plateau.

The average temperature data presented in the tables do not strongly reflect the large temperature differences that have been observed to occur between stations under certain meteorological conditions. To study these cases, more detailed analyses of temperature data will be conducted in the future when the temperature data base grows to a more climatologically representative size.

TABLE 8.1. Average Temperatures at Monitoring Sites--Annual

SEASON/MONTH: ANNUAL

TIME OF DAY: ALL

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST

DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
54	PROSSER BARRICADE	54	100 - N AREA
54	EMERGENCY OPERATIONS CENTER	54	WNP - 2 FACILITY
54	ARMY LOOP ROAD	53	FRANKLIN COUNTY
55	RATTLESNAKE SPRINGS	53	GABLE MOUNTAIN
54	EDNA RAILROAD CROSSING	53	RINGOLD
55	200 EAST AREA	55	RICHLAND AIRPORT
54	200 WEST AREA	53	SAGEHILL
53	WAHLUKE	47	RATTLESNAKE MOUNTAIN
55	FAST FLUX TEST FACILITY	54	HANFORD METEOROLOGY STATION
54	YAKIMA BARRICADE	55	PASCO AIRPORT
54	300 AREA	53	100 - F AREA
54	WYE BARRICADE	55	GABLE WEST
54	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 54

TABLE 8.2. Average Temperatures at Monitoring Sites--Seasonal

SEASON/MONTH: WINTER TIME OF DAY: ALL

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
35	PROSSER BARRICADE	34	100 - N AREA
34	EMERGENCY OPERATIONS CENTER	35	WNP - 2 FACILITY
35	ARMY LOOP ROAD	34	FRANKLIN COUNTY
35	RATTLESNAKE SPRINGS	33	GABLE MOUNTAIN
34	EDNA RAILROAD CROSSING	34	RINGOLD
35	200 EAST AREA	36	RICHLAND AIRPORT
34	200 WEST AREA	34	SAGEHILL
34	WAHLUKE	30	RATTLESNAKE MOUNTAIN
35	FAST FLUX TEST FACILITY	34	HANFORD METEOROLOGY STATION
33	YAKIMA BARRICADE	36	PASCO AIRPORT
35	300 AREA	33	100 - F AREA
34	WYE BARRICADE	35	GABLE WEST
34	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 34

SEASON/MONTH: SPRING TIME OF DAY: ALL

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
53	PROSSER BARRICADE	53	100 - N AREA
53	EMERGENCY OPERATIONS CENTER	53	WNP - 2 FACILITY
54	ARMY LOOP ROAD	52	FRANKLIN COUNTY
54	RATTLESNAKE SPRINGS	52	GABLE MOUNTAIN
53	EDNA RAILROAD CROSSING	52	RINGOLD
55	200 EAST AREA	54	RICHLAND AIRPORT
53	200 WEST AREA	52	SAGEHILL
53	WAHLUKE	44	RATTLESNAKE MOUNTAIN
54	FAST FLUX TEST FACILITY	54	HANFORD METEOROLOGY STATION
53	YAKIMA BARRICADE	54	PASCO AIRPORT
54	300 AREA	52	100 - F AREA
53	WYE BARRICADE	54	GABLE WEST
53	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 53

TABLE 8.2. Continued

SEASON/MONTH: SUMMER TIME OF DAY: ALL

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
73	PROSSER BARRICADE	73	100 - N AREA
73	EMERGENCY OPERATIONS CENTER	73	WNP - 2 FACILITY
75	ARMY LOOP ROAD	70	FRANKLIN COUNTY
74	RATTLESNAKE SPRINGS	72	GABLE MOUNTAIN
74	EDNA RAILROAD CROSSING	70	RINGOLD
75	200 EAST AREA	73	RICHLAND AIRPORT
74	200 WEST AREA	71	SAGEHILL
71	WAHLUKE	63	RATTLESNAKE MOUNTAIN
74	FAST FLUX TEST FACILITY	74	HANFORD METEOROLOGY STATION
73	YAKIMA BARRICADE	73	PASCO AIRPORT
73	300 AREA	73	100 - F AREA
73	WYE BARRICADE	74	GABLE WEST
73	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 73

SEASON/MONTH: FALL TIME OF DAY: ALL

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
54	PROSSER BARRICADE	54	100 - N AREA
56	EMERGENCY OPERATIONS CENTER	54	WNP - 2 FACILITY
55	ARMY LOOP ROAD	54	FRANKLIN COUNTY
55	RATTLESNAKE SPRINGS	55	GABLE MOUNTAIN
54	EDNA RAILROAD CROSSING	53	RINGOLD
56	200 EAST AREA	56	RICHLAND AIRPORT
53	200 WEST AREA	53	SAGEHILL
54	WAHLUKE	49	RATTLESNAKE MOUNTAIN
55	FAST FLUX TEST FACILITY	55	HANFORD METEOROLOGY STATION
54	YAKIMA BARRICADE	55	PASCO AIRPORT
55	300 AREA	53	100 - F AREA
54	WYE BARRICADE	54	GABLE WEST
55	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 54

TABLE 8.3. Average Temperatures at Monitoring Sites--Season and Time of Day

SEASON/MONTH: WINTER TIME OF DAY: 0100 PST TO 0400 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
 DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
32	PROSSER BARRICADE	31	100 - N AREA
33	EMERGENCY OPERATIONS CENTER	31	WNP - 2 FACILITY
32	ARMY LOOP ROAD	32	FRANKLIN COUNTY
31	RATTLESNAKE SPRINGS	31	GABLE MOUNTAIN
31	EDNA RAILROAD CROSSING	31	RINGOLD
33	200 EAST AREA	33	RICHLAND AIRPORT
30	200 WEST AREA	31	SAGEHILL
31	WAHLUKE	29	RATTLESNAKE MOUNTAIN
32	FAST FLUX TEST FACILITY	31	HANFORD METEOROLOGY STATION
31	YAKIMA BARRICADE	33	PASCO AIRPORT
32	300 AREA	30	100 - F AREA
31	WYE BARRICADE	31	GABLE WEST
31	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 31

SEASON/MONTH: WINTER TIME OF DAY: 0500 PST TO 0800 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
 DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
31	PROSSER BARRICADE	30	100 - N AREA
31	EMERGENCY OPERATIONS CENTER	30	WNP - 2 FACILITY
30	ARMY LOOP ROAD	31	FRANKLIN COUNTY
31	RATTLESNAKE SPRINGS	31	GABLE MOUNTAIN
29	EDNA RAILROAD CROSSING	31	RINGOLD
31	200 EAST AREA	32	RICHLAND AIRPORT
29	200 WEST AREA	30	SAGEHILL
30	WAHLUKE	28	RATTLESNAKE MOUNTAIN
31	FAST FLUX TEST FACILITY	30	HANFORD METEOROLOGY STATION
30	YAKIMA BARRICADE	32	PASCO AIRPORT
31	300 AREA	29	100 - F AREA
29	WYE BARRICADE	30	GABLE WEST
30	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 30

TABLE 8.3. Continued

SEASON/MONTH: WINTER TIME OF DAY: 0900 PST TO 1200 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
35	PROSSER BARRICADE	34	100 - N AREA
35	EMERGENCY OPERATIONS CENTER	35	WNP - 2 FACILITY
35	ARMY LOOP ROAD	34	FRANKLIN COUNTY
36	RATTLESNAKE SPRINGS	32	GABLE MOUNTAIN
35	EDNA RAILROAD CROSSING	35	RINGOLD
35	200 EAST AREA	35	RICHLAND AIRPORT
36	200 WEST AREA	34	SAGEHILL
35	WAHLUKE	30	RATTLESNAKE MOUNTAIN
34	FAST FLUX TEST FACILITY	34	HANFORD METEOROLOGY STATION
34	YAKIMA BARRICADE	36	PASCO AIRPORT
35	300 AREA	34	100 - F AREA
33	WYE BARRICADE	35	GABLE WEST
34	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 34

SEASON/MONTH: WINTER TIME OF DAY: 1300 PST TO 1600 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
40	PROSSER BARRICADE	39	100 - N AREA
37	EMERGENCY OPERATIONS CENTER	40	WNP - 2 FACILITY
40	ARMY LOOP ROAD	38	FRANKLIN COUNTY
40	RATTLESNAKE SPRINGS	36	GABLE MOUNTAIN
40	EDNA RAILROAD CROSSING	39	RINGOLD
39	200 EAST AREA	40	RICHLAND AIRPORT
40	200 WEST AREA	38	SAGEHILL
40	WAHLUKE	32	RATTLESNAKE MOUNTAIN
39	FAST FLUX TEST FACILITY	39	HANFORD METEOROLOGY STATION
38	YAKIMA BARRICADE	40	PASCO AIRPORT
40	300 AREA	39	100 - F AREA
38	WYE BARRICADE	41	GABLE WEST
38	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 39

TABLE 8.3. Continued

SEASON/MONTH: WINTER TIME OF DAY: 1700 PST TO 2000 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
36	PROSSER BARRICADE	36	100 - N AREA
34	EMERGENCY OPERATIONS CENTER	35	WNP - 2 FACILITY
35	ARMY LOOP ROAD	34	FRANKLIN COUNTY
35	RATTLESNAKE SPRINGS	34	GABLE MOUNTAIN
36	EDNA RAILROAD CROSSING	35	RINGOLD
36	200 EAST AREA	37	RICHLAND AIRPORT
35	200 WEST AREA	34	SAGEHILL
34	WAHLUKE	31	RATTLESNAKE MOUNTAIN
36	FAST FLUX TEST FACILITY	34	HANFORD METEOROLOGY STATION
33	YAKIMA BARRICADE	37	PASCO AIRPORT
36	300 AREA	34	100 - F AREA
34	WYE BARRICADE	36	GABLE WEST
35	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 35

SEASON/MONTH: WINTER TIME OF DAY: 2100 PST TO 2400 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
34	PROSSER BARRICADE	34	100 - N AREA
35	EMERGENCY OPERATIONS CENTER	34	WNP - 2 FACILITY
34	ARMY LOOP ROAD	35	FRANKLIN COUNTY
34	RATTLESNAKE SPRINGS	34	GABLE MOUNTAIN
34	EDNA RAILROAD CROSSING	34	RINGOLD
35	200 EAST AREA	36	RICHLAND AIRPORT
33	200 WEST AREA	34	SAGEHILL
34	WAHLUKE	32	RATTLESNAKE MOUNTAIN
35	FAST FLUX TEST FACILITY	34	HANFORD METEOROLOGY STATION
33	YAKIMA BARRICADE	36	PASCO AIRPORT
35	300 AREA	33	100 - F AREA
33	WYE BARRICADE	34	GABLE WEST
35	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 34

TABLE 8.3. Continued

SEASON/MONTH: SPRING TIME OF DAY: 0100 PST TO 0400 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
 DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
44	PROSSER BARRICADE	46	100 - N AREA
47	EMERGENCY OPERATIONS CENTER	44	WNP - 2 FACILITY
45	ARMY LOOP ROAD	45	FRANKLIN COUNTY
45	RATTLESNAKE SPRINGS	47	GABLE MOUNTAIN
44	EDNA RAILROAD CROSSING	44	RINGOLD
48	200 EAST AREA	47	RICHLAND AIRPORT
44	200 WEST AREA	45	SAGEHILL
45	WAHLUKE	41	RATTLESNAKE MOUNTAIN
47	FAST FLUX TEST FACILITY	46	HANFORD METEOROLOGY STATION
46	YAKIMA BARRICADE	47	PASCO AIRPORT
45	300 AREA	43	100 - F AREA
45	WYE BARRICADE	45	GABLE WEST
46	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 45

SEASON/MONTH: SPRING TIME OF DAY: 0500 PST TO 0800 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
 DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
45	PROSSER BARRICADE	45	100 - N AREA
47	EMERGENCY OPERATIONS CENTER	45	WNP - 2 FACILITY
45	ARMY LOOP ROAD	45	FRANKLIN COUNTY
46	RATTLESNAKE SPRINGS	45	GABLE MOUNTAIN
45	EDNA RAILROAD CROSSING	44	RINGOLD
48	200 EAST AREA	46	RICHLAND AIRPORT
45	200 WEST AREA	45	SAGEHILL
46	WAHLUKE	40	RATTLESNAKE MOUNTAIN
46	FAST FLUX TEST FACILITY	46	HANFORD METEOROLOGY STATION
46	YAKIMA BARRICADE	46	PASCO AIRPORT
45	300 AREA	44	100 - F AREA
45	WYE BARRICADE	45	GABLE WEST
45	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 45

TABLE 8.3. Continued

SEASON/MONTH: SPRING TIME OF DAY: 0900 PST TO 1200 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
 DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
57	PROSSER BARRICADE	57	100 - N AREA
55	EMERGENCY OPERATIONS CENTER	57	WNP - 2 FACILITY
58	ARMY LOOP ROAD	55	FRANKLIN COUNTY
58	RATTLESNAKE SPRINGS	54	GABLE MOUNTAIN
58	EDNA RAILROAD CROSSING	57	RINGOLD
57	200 EAST AREA	56	RICHLAND AIRPORT
58	200 WEST AREA	56	SAGEHILL
56	WAHLUKE	44	RATTLESNAKE MOUNTAIN
56	FAST FLUX TEST FACILITY	57	HANFORD METEOROLOGY STATION
56	YAKIMA BARRICADE	56	PASCO AIRPORT
57	300 AREA	57	100 - F AREA
56	WYE BARRICADE	58	GABLE WEST
56	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 56

SEASON/MONTH: SPRING TIME OF DAY: 1300 PST TO 1600 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
 DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
64	PROSSER BARRICADE	63	100 - N AREA
61	EMERGENCY OPERATIONS CENTER	64	WNP - 2 FACILITY
64	ARMY LOOP ROAD	62	FRANKLIN COUNTY
64	RATTLESNAKE SPRINGS	60	GABLE MOUNTAIN
64	EDNA RAILROAD CROSSING	63	RINGOLD
63	200 EAST AREA	63	RICHLAND AIRPORT
64	200 WEST AREA	62	SAGEHILL
63	WAHLUKE	48	RATTLESNAKE MOUNTAIN
63	FAST FLUX TEST FACILITY	63	HANFORD METEOROLOGY STATION
62	YAKIMA BARRICADE	64	PASCO AIRPORT
64	300 AREA	63	100 - F AREA
63	WYE BARRICADE	65	GABLE WEST
62	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 62

TABLE 8.3. Continued

SEASON/MONTH: SPRING

TIME OF DAY: 1700 PST TO 2000 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST

DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
59	PROSSER BARRICADE	60	100 - N AREA
56	EMERGENCY OPERATIONS CENTER	60	WNP - 2 FACILITY
60	ARMY LOOP ROAD	57	FRANKLIN COUNTY
59	RATTLESNAKE SPRINGS	57	GABLE MOUNTAIN
60	EDNA RAILROAD CROSSING	58	RINGOLD
60	200 EAST AREA	61	RICHLAND AIRPORT
60	200 WEST AREA	57	SAGEHILL
58	WAHLUKE	46	RATTLESNAKE MOUNTAIN
60	FAST FLUX TEST FACILITY	59	HANFORD METEOROLOGY STATION
58	YAKIMA BARRICADE	62	PASCO AIRPORT
60	300 AREA	58	100 - F AREA
59	WYE BARRICADE	60	GABLE WEST
58	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 58

SEASON/MONTH: SPRING

TIME OF DAY: 2100 PST TO 2400 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST

DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
49	PROSSER BARRICADE	50	100 - N AREA
50	EMERGENCY OPERATIONS CENTER	50	WNP - 2 FACILITY
50	ARMY LOOP ROAD	49	FRANKLIN COUNTY
50	RATTLESNAKE SPRINGS	51	GABLE MOUNTAIN
50	EDNA RAILROAD CROSSING	49	RINGOLD
52	200 EAST AREA	52	RICHLAND AIRPORT
49	200 WEST AREA	49	SAGEHILL
49	WAHLUKE	43	RATTLESNAKE MOUNTAIN
51	FAST FLUX TEST FACILITY	51	HANFORD METEOROLOGY STATION
49	YAKIMA BARRICADE	52	PASCO AIRPORT
51	300 AREA	48	100 - F AREA
50	WYE BARRICADE	50	GABLE WEST
49	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 50

TABLE 8.3. Continued

SEASON/MONTH: SUMMER TIME OF DAY: 0100 PST TO 0400 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
 DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
61	PROSSER BARRICADE	63	100 - N AREA
64	EMERGENCY OPERATIONS CENTER	61	WNP - 2 FACILITY
63	ARMY LOOP ROAD	60	FRANKLIN COUNTY
62	RATTLESNAKE SPRINGS	65	GABLE MOUNTAIN
62	EDNA RAILROAD CROSSING	58	RINGOLD
66	200 EAST AREA	63	RICHLAND AIRPORT
62	200 WEST AREA	60	SAGEHILL
61	WAHLUKE	59	RATTLESNAKE MOUNTAIN
64	FAST FLUX TEST FACILITY	64	HANFORD METEOROLOGY STATION
64	YAKIMA BARRICADE	63	PASCO AIRPORT
62	300 AREA	62	100 - F AREA
63	WYE BARRICADE	62	GABLE WEST
64	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 62

SEASON/MONTH: SUMMER TIME OF DAY: 0500 PST TO 0800 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
 DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
64	PROSSER BARRICADE	64	100 - N AREA
66	EMERGENCY OPERATIONS CENTER	63	WNP - 2 FACILITY
65	ARMY LOOP ROAD	62	FRANKLIN COUNTY
65	RATTLESNAKE SPRINGS	64	GABLE MOUNTAIN
64	EDNA RAILROAD CROSSING	60	RINGOLD
66	200 EAST AREA	64	RICHLAND AIRPORT
65	200 WEST AREA	62	SAGEHILL
62	WAHLUKE	58	RATTLESNAKE MOUNTAIN
64	FAST FLUX TEST FACILITY	65	HANFORD METEOROLOGY STATION
66	YAKIMA BARRICADE	63	PASCO AIRPORT
63	300 AREA	64	100 - F AREA
64	WYE BARRICADE	64	GABLE WEST
65	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS . 64

TABLE 8.3. Continued

SEASON/MONTH: SUMMER TIME OF DAY: 0900 PST TO 1200 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
 DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
77	PROSSER BARRICADE	77	100 - N AREA
75	EMERGENCY OPERATIONS CENTER	77	WNP - 2 FACILITY
78	ARMY LOOP ROAD	74	FRANKLIN COUNTY
79	RATTLESNAKE SPRINGS	74	GABLE MOUNTAIN
78	EDNA RAILROAD CROSSING	75	RINGOLD
78	200 EAST AREA	75	RICHLAND AIRPORT
79	200 WEST AREA	75	SAGEHILL
76	WAHLUKE	64	RATTLESNAKE MOUNTAIN
76	FAST FLUX TEST FACILITY	77	HANFORD METEOROLOGY STATION
77	YAKIMA BARRICADE	75	PASCO AIRPORT
77	300 AREA	78	100 - F AREA
76	WYE BARRICADE	78	GABLE WEST
77	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 76

SEASON/MONTH: SUMMER TIME OF DAY: 1300 PST TO 1600 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
 DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
85	PROSSER BARRICADE	85	100 - N AREA
82	EMERGENCY OPERATIONS CENTER	85	WNP - 2 FACILITY
86	ARMY LOOP ROAD	81	FRANKLIN COUNTY
86	RATTLESNAKE SPRINGS	82	GABLE MOUNTAIN
85	EDNA RAILROAD CROSSING	82	RINGOLD
85	200 EAST AREA	83	RICHLAND AIRPORT
86	200 WEST AREA	82	SAGEHILL
83	WAHLUKE	70	RATTLESNAKE MOUNTAIN
84	FAST FLUX TEST FACILITY	84	HANFORD METEOROLOGY STATION
84	YAKIMA BARRICADE	85	PASCO AIRPORT
84	300 AREA	85	100 - F AREA
84	WYE BARRICADE	86	GABLE WEST
84	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 84

TABLE 8.3. Continued

SEASON/MONTH: SUMMER TIME OF DAY: 1700 PST TO 2000 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
 DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
82	PROSSER BARRICADE	82	100 - N AREA
79	EMERGENCY OPERATIONS CENTER	83	WNP - 2 FACILITY
83	ARMY LOOP ROAD	76	FRANKLIN COUNTY
82	RATTLESNAKE SPRINGS	79	GABLE MOUNTAIN
83	EDNA RAILROAD CROSSING	78	RINGOLD
82	200 EAST AREA	82	RICHLAND AIRPORT
83	200 WEST AREA	78	SAGEHILL
77	WAHLUKE	67	RATTLESNAKE MOUNTAIN
83	FAST FLUX TEST FACILITY	81	HANFORD METEOROLOGY STATION
80	YAKIMA BARRICADE	84	PASCO AIRPORT
82	300 AREA	82	100 - F AREA
82	WYE BARRICADE	83	GABLE WEST
80	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 81

SEASON/MONTH: SUMMER TIME OF DAY: 2100 PST TO 2400 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
 DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
69	PROSSER BARRICADE	69	100 - N AREA
70	EMERGENCY OPERATIONS CENTER	69	WNP - 2 FACILITY
70	ARMY LOOP ROAD	67	FRANKLIN COUNTY
69	RATTLESNAKE SPRINGS	70	GABLE MOUNTAIN
69	EDNA RAILROAD CROSSING	65	RINGOLD
71	200 EAST AREA	71	RICHLAND AIRPORT
69	200 WEST AREA	66	SAGEHILL
66	WAHLUKE	62	RATTLESNAKE MOUNTAIN
71	FAST FLUX TEST FACILITY	70	HANFORD METEOROLOGY STATION
68	YAKIMA BARRICADE	70	PASCO AIRPORT
70	300 AREA	68	100 - F AREA
70	WYE BARRICADE	69	GABLE WEST
68	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 69

TABLE 8.3. Continued

SEASON/MONTH: FALL TIME OF DAY: 0100 PST TO 0400 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
 DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
46	PROSSER BARRICADE	47	100 - N AREA
51	EMERGENCY OPERATIONS CENTER	46	WNP - 2 FACILITY
47	ARMY LOOP ROAD	48	FRANKLIN COUNTY
47	RATTLESNAKE SPRINGS	51	GABLE MOUNTAIN
46	EDNA RAILROAD CROSSING	45	RINGOLD
50	200 EAST AREA	49	RICHLAND AIRPORT
45	200 WEST AREA	47	SAGEHILL
48	WAHLUKE	47	RATTLESNAKE MOUNTAIN
49	FAST FLUX TEST FACILITY	48	HANFORD METEOROLOGY STATION
48	YAKIMA BARRICADE	48	PASCO AIRPORT
47	300 AREA	45	100 - F AREA
47	WYE BARRICADE	46	GABLE WEST
49	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 47

SEASON/MONTH: FALL TIME OF DAY: 0500 PST TO 0800 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
 DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
44	PROSSER BARRICADE	46	100 - N AREA
50	EMERGENCY OPERATIONS CENTER	45	WNP - 2 FACILITY
46	ARMY LOOP ROAD	47	FRANKLIN COUNTY
46	RATTLESNAKE SPRINGS	49	GABLE MOUNTAIN
45	EDNA RAILROAD CROSSING	44	RINGOLD
49	200 EAST AREA	48	RICHLAND AIRPORT
44	200 WEST AREA	46	SAGEHILL
47	WAHLUKE	46	RATTLESNAKE MOUNTAIN
47	FAST FLUX TEST FACILITY	47	HANFORD METEOROLOGY STATION
47	YAKIMA BARRICADE	47	PASCO AIRPORT
46	300 AREA	44	100 - F AREA
45	WYE BARRICADE	45	GABLE WEST
47	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 46

TABLE 8.3. Continued

SEASON/MONTH: FALL TIME OF DAY: 0900 PST TO 1200 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
58	PROSSER BARRICADE	57	100 - N AREA
57	EMERGENCY OPERATIONS CENTER	58	WNP - 2 FACILITY
59	ARMY LOOP ROAD	57	FRANKLIN COUNTY
60	RATTLESNAKE SPRINGS	54	GABLE MOUNTAIN
59	EDNA RAILROAD CROSSING	57	RINGOLD
58	200 EAST AREA	57	RICHLAND AIRPORT
59	200 WEST AREA	57	SAGEHILL
59	WAHLUKE	49	RATTLESNAKE MOUNTAIN
57	FAST FLUX TEST FACILITY	58	HANFORD METEOROLOGY STATION
58	YAKIMA BARRICADE	57	PASCO AIRPORT
57	300 AREA	58	100 - F AREA
57	WYE BARRICADE	59	GABLE WEST
57	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 57

SEASON/MONTH: FALL TIME OF DAY: 1300 PST TO 1600 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
66	PROSSER BARRICADE	65	100 - N AREA
62	EMERGENCY OPERATIONS CENTER	66	WNP - 2 FACILITY
66	ARMY LOOP ROAD	63	FRANKLIN COUNTY
66	RATTLESNAKE SPRINGS	61	GABLE MOUNTAIN
66	EDNA RAILROAD CROSSING	64	RINGOLD
65	200 EAST AREA	65	RICHLAND AIRPORT
66	200 WEST AREA	64	SAGEHILL
65	WAHLUKE	52	RATTLESNAKE MOUNTAIN
65	FAST FLUX TEST FACILITY	64	HANFORD METEOROLOGY STATION
64	YAKIMA BARRICADE	66	PASCO AIRPORT
65	300 AREA	65	100 - F AREA
64	WYE BARRICADE	66	GABLE WEST
65	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 64

TABLE 8.3. Continued

SEASON/MONTH: FALL TIME OF DAY: 1700 PST TO 2000 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
58	PROSSER BARRICADE	59	100 - N AREA
57	EMERGENCY OPERATIONS CENTER	59	WNP - 2 FACILITY
59	ARMY LOOP ROAD	57	FRANKLIN COUNTY
58	RATTLESNAKE SPRINGS	58	GABLE MOUNTAIN
59	EDNA RAILROAD CROSSING	56	RINGOLD
59	200 EAST AREA	61	RICHLAND AIRPORT
58	200 WEST AREA	56	SAGEHILL
56	WAHLUKE	50	RATTLESNAKE MOUNTAIN
59	FAST FLUX TEST FACILITY	58	HANFORD METEOROLOGY STATION
57	YAKIMA BARRICADE	61	PASCO AIRPORT
59	300 AREA	57	100 - F AREA
58	WYE BARRICADE	59	GABLE WEST
58	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 58

SEASON/MONTH: FALL TIME OF DAY: 2100 PST TO 2400 PST

DATA SUMMARY -- DATA BEGIN: 8/ 1/88 AT 0100 PST
DATA END: 7/31/90 AT 2400 PST

AVERAGE TEMPERATURE AT HANFORD METEOROLOGY MONITORING STATIONS

TEMP (DEG F)	STATION NAME	TEMP (DEG F)	STATION NAME
50	PROSSER BARRICADE	51	100 - N AREA
54	EMERGENCY OPERATIONS CENTER	50	WNP - 2 FACILITY
51	ARMY LOOP ROAD	51	FRANKLIN COUNTY
50	RATTLESNAKE SPRINGS	54	GABLE MOUNTAIN
50	EDNA RAILROAD CROSSING	49	RINGOLD
53	200 EAST AREA	53	RICHLAND AIRPORT
49	200 WEST AREA	51	SAGEHILL
50	WAHLUKE	48	RATTLESNAKE MOUNTAIN
53	FAST FLUX TEST FACILITY	52	HANFORD METEOROLOGY STATION
50	YAKIMA BARRICADE	53	PASCO AIRPORT
52	300 AREA	49	100 - F AREA
51	WYE BARRICADE	50	GABLE WEST
52	VERNITA BRIDGE		

AVERAGE TEMPERATURE (DEG F) FOR ALL STATIONS : 51

9.0 REFERENCES

- Bagnold, R. A. 1941. The Physics of Blown Sand and Desert Dunes. 1954 ed. Chapman and Hall, New York.
- DOE. 1982. Site Characterization Report for the Basalt Waste Isolation Project. DOE/RL 82-3, Vol. II, U. S. Department of Energy, Office of Terminal Waste Disposal and Remedial Action, Washington, D.C.
- Fan, L. T., and L. A. Disrud. 1977. "Transient Wind Erosion: A Study of the Nonstationary Effect on Rate of Wind Erosion." Soil Sci. 124(1):61-65
- Fryberger, S. G. 1979. "Dune Forms and Wind Regime." A Study of Global Sand Seas. ed. E.D. McKee. United States Geological Survey Professional Paper 1052. U.S. Government Printing Office, Washington, D.C.
- Gillette, D. A. 1979. "Environmental Factors Affecting Dust Emission by Wind Erosion." Saharan Dust: Mobilization, Transport, Deposition. ed. C. Morales. p. 71-91. John Wiley & Sons, New York.
- Glantz, C. S., and M. M. Islam. 1988. The Data Collection Component of the Hanford Meteorology Monitoring Program. PML-6684, Pacific Northwest Laboratory, Richland, Washington.
- Jenne, D. E. and R. E. Kerns. 1959. A Climatological Study of the Hanford Area. HW-57722, General Electric Co., Richland, Washington.
- O'Brien, M. P., and B. D. Rindlaub. 1936. "The Transportation of Sand by Wind." Civil Engineering, Volume 6.
- Pasquill, F. 1961. "The Estimation of the Dispersion of Windborne Material." Meteorol. Mag., 90:33-49
- Phillips, S. J., M. R. Adams, T. W. Gilbert, C. C. Meinhardt, R. Mitchell, and W. J. Waugh. 1985. Engineered Barriers Test Facility Status Report: 1984. RHO-WM-SR-3P, Rockwell Hanford Operations, Richland, Washington.
- Prandtl, L. 1926. "Uber die Ausgebildete Turbulenz (On the Fully Developed Turbulence)." Proceedings of the 2nd International Congress of Applied Mechanics. Zurich, 1926, p. 62-75.
- Randerson, D. 1984. "Power Production and the Atmosphere," Atmospheric Science and Power Production. p. 1-31. DOE/TI-C27601, U.S. Department of Energy, Technical Information Center, Springfield, Virginia.
- Sehmel, G. A. 1980. "Particle Resuspension: A Review." Environ. Int. 4:107-122
- Stone, W. A., D. E. Jenne and J. M. Thorpe. 1972. Climatography of the Hanford Area. BNWL-1605, Pacific Northwest Laboratory, Richland, Washington.

Stone, W. A., J. M. Thorp, O. P. Gifford, and D. J. Hoytink. 1983.
Climatological Summary for the Hanford Area. PNL-4622, Pacific Northwest
Laboratory, Richland, Washington.

U.S. Nuclear Regulatory Commission (NRC). 1980. "Proposed Revision 1 to
Regulatory 1.23, Meteorological Programs in Support of Nuclear Power Plants."
Washington, D.C.

Wing, N. R. 1990. Protective Barrier and Warning Marker System.
WHC-EP-0169, Westinghouse Hanford Company, Richland, Washington.

END

DATE FILMED

11 / 1 / 90

