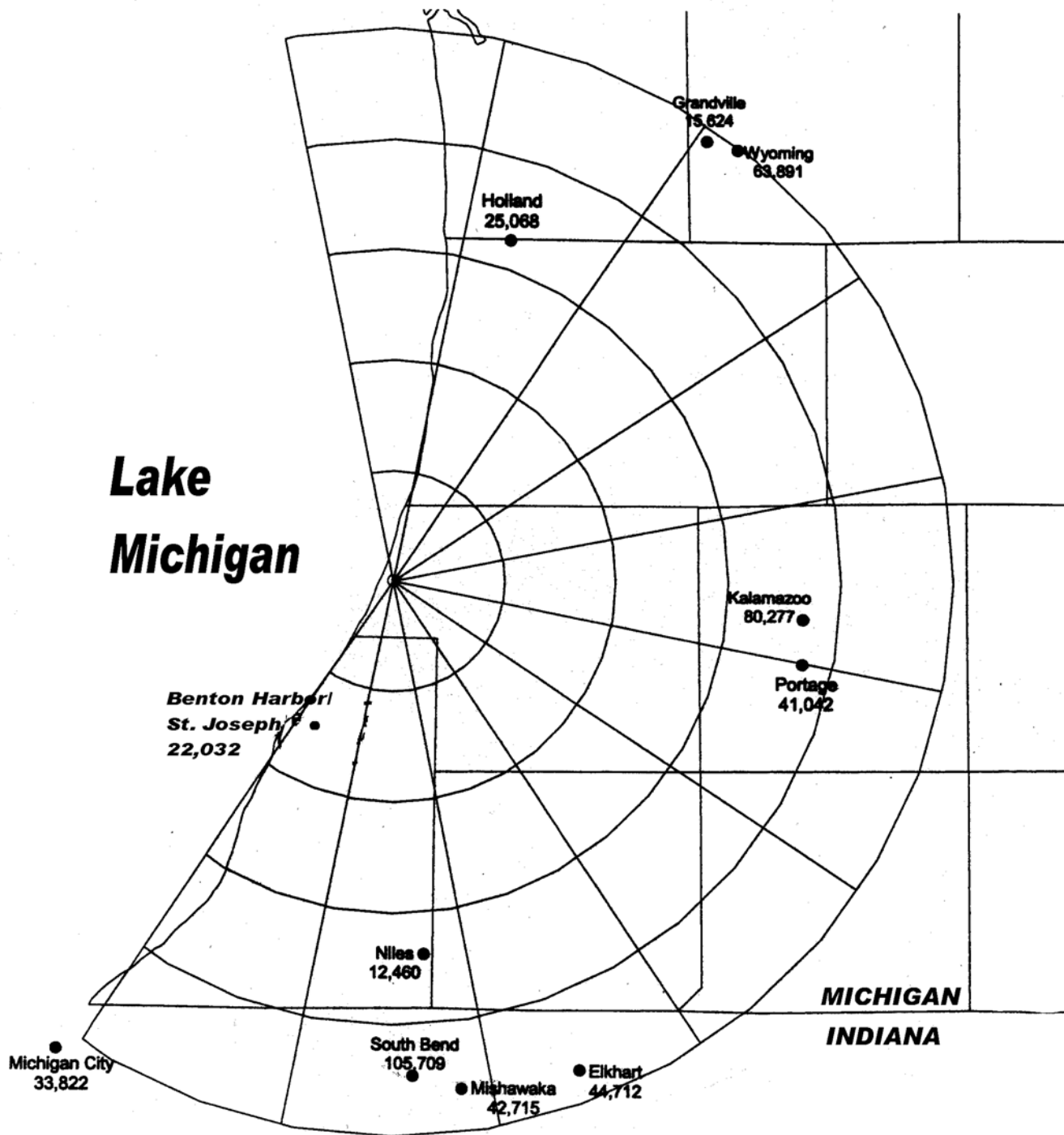


POPULATION

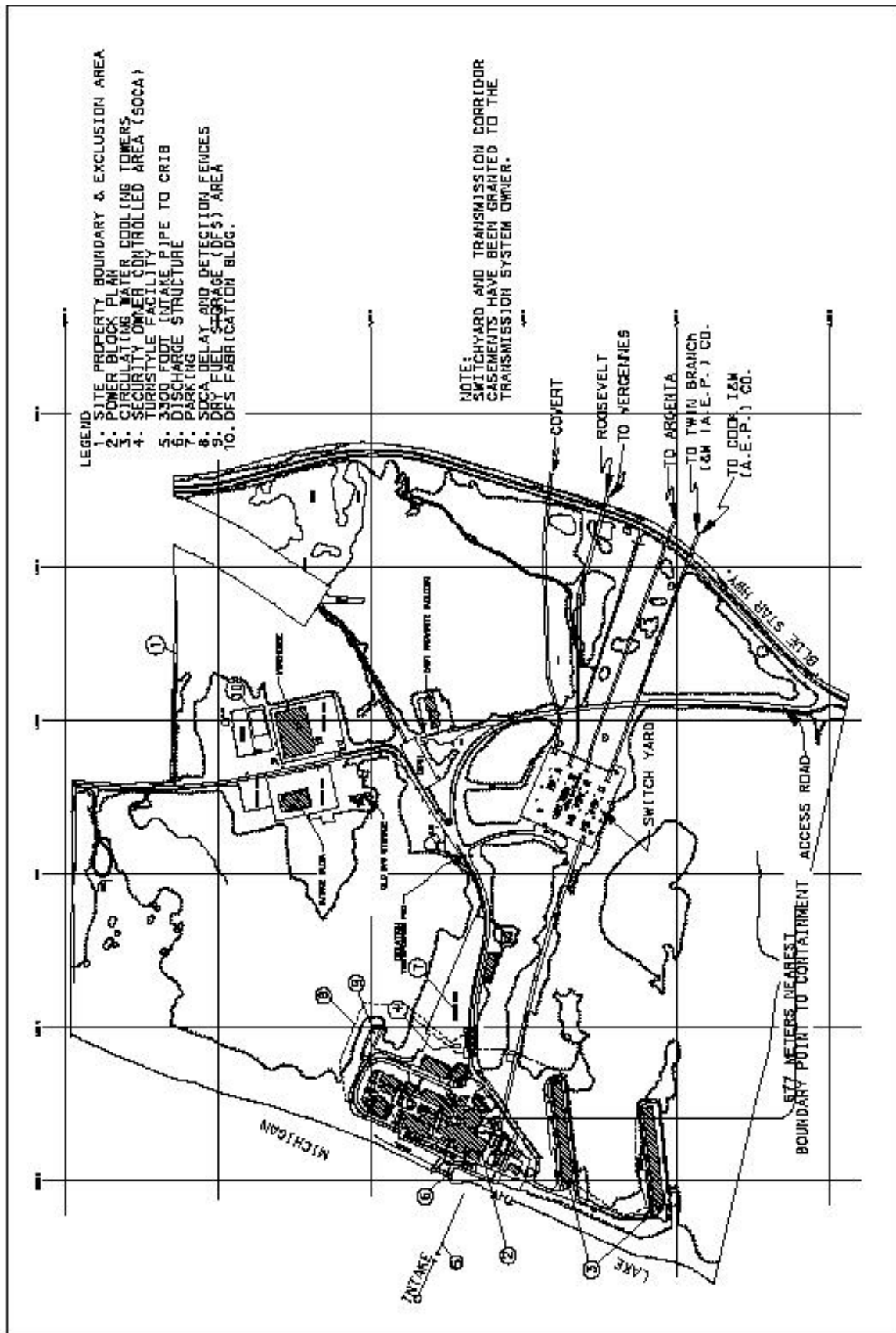
CENTERS

1990 CENSUS OVER 10,000, 0 TO 50 MILES

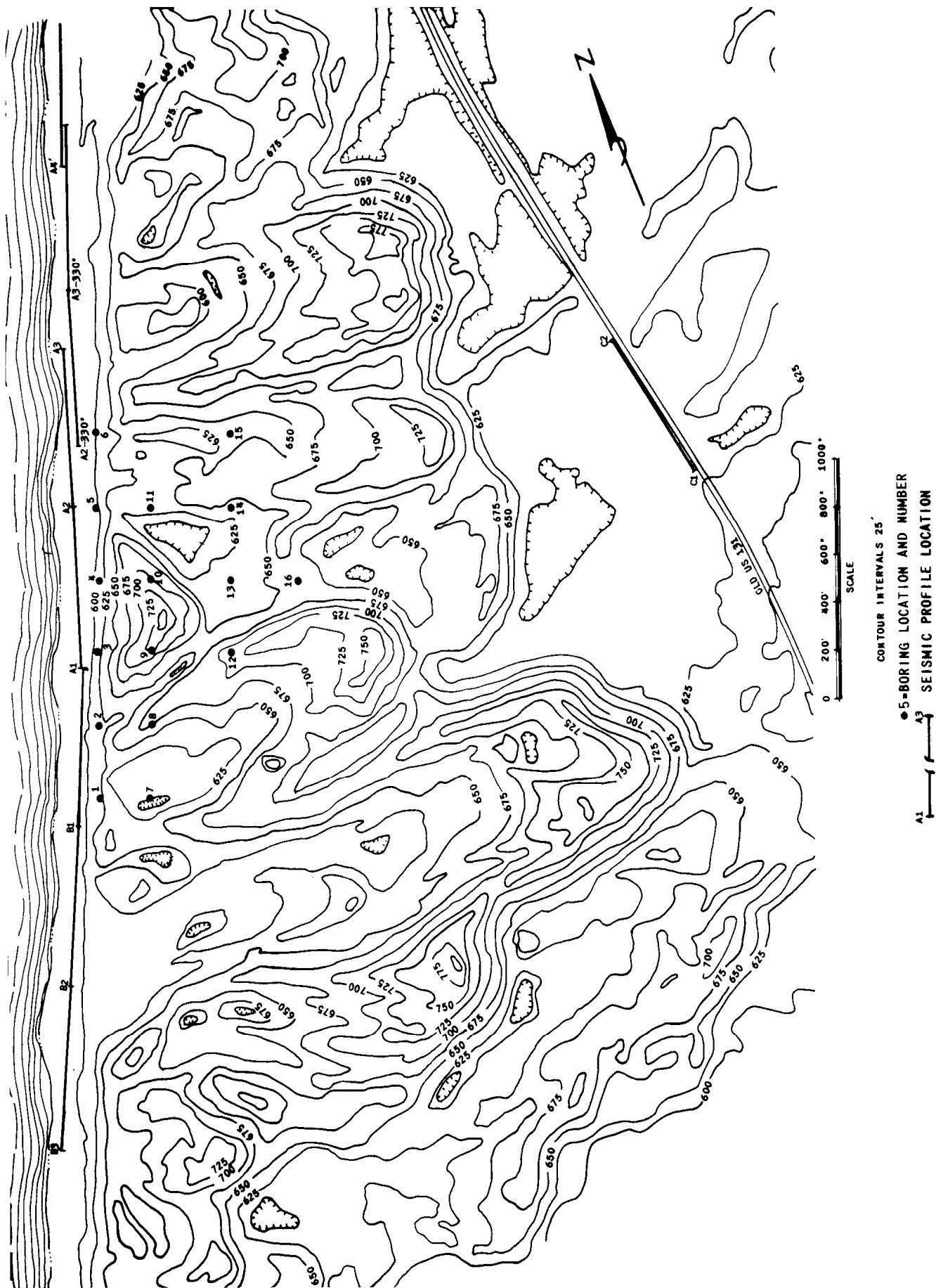
NOTE: Population values reported for incorporated cities or villages only.



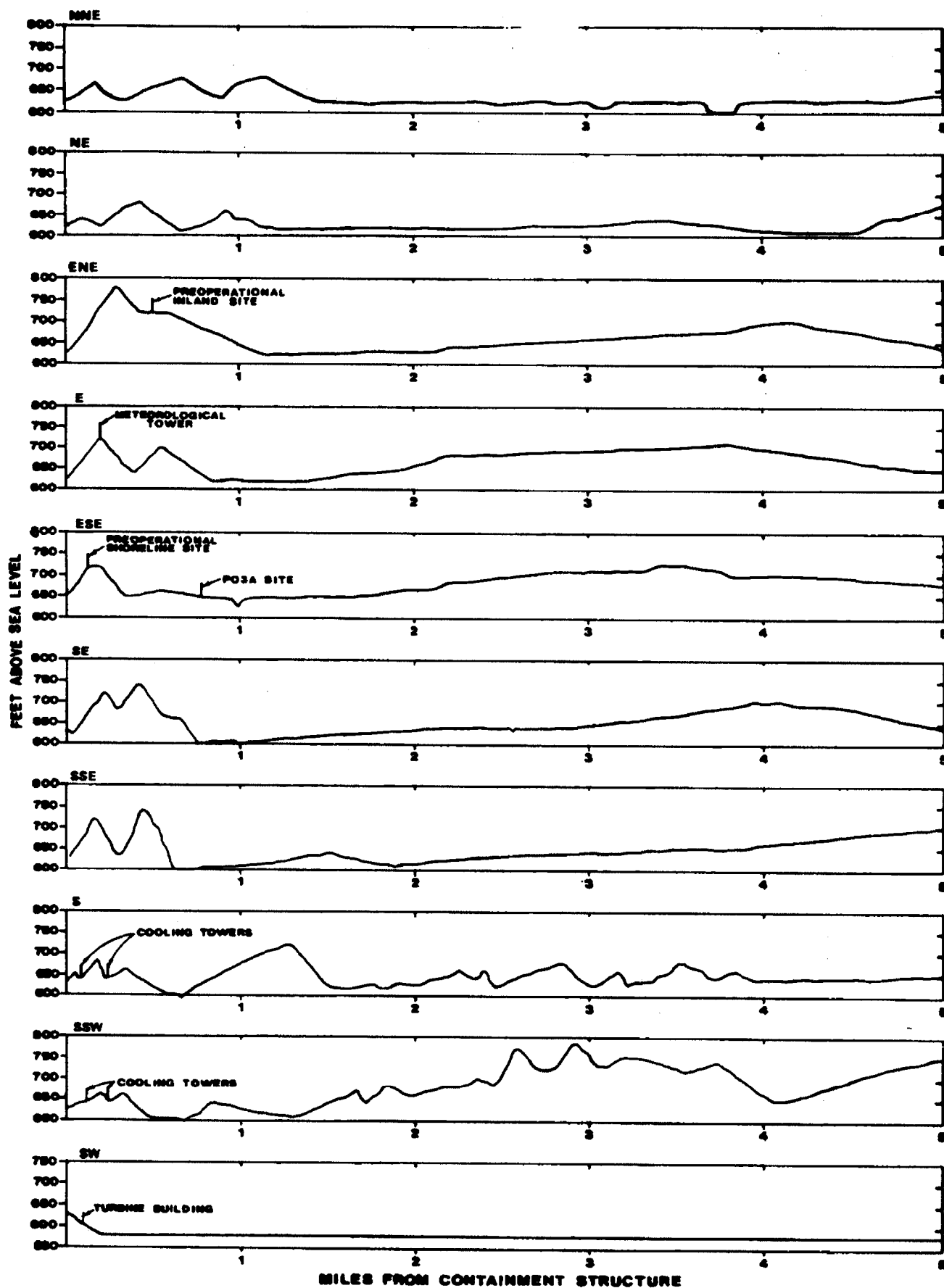
SITE LAYOUT



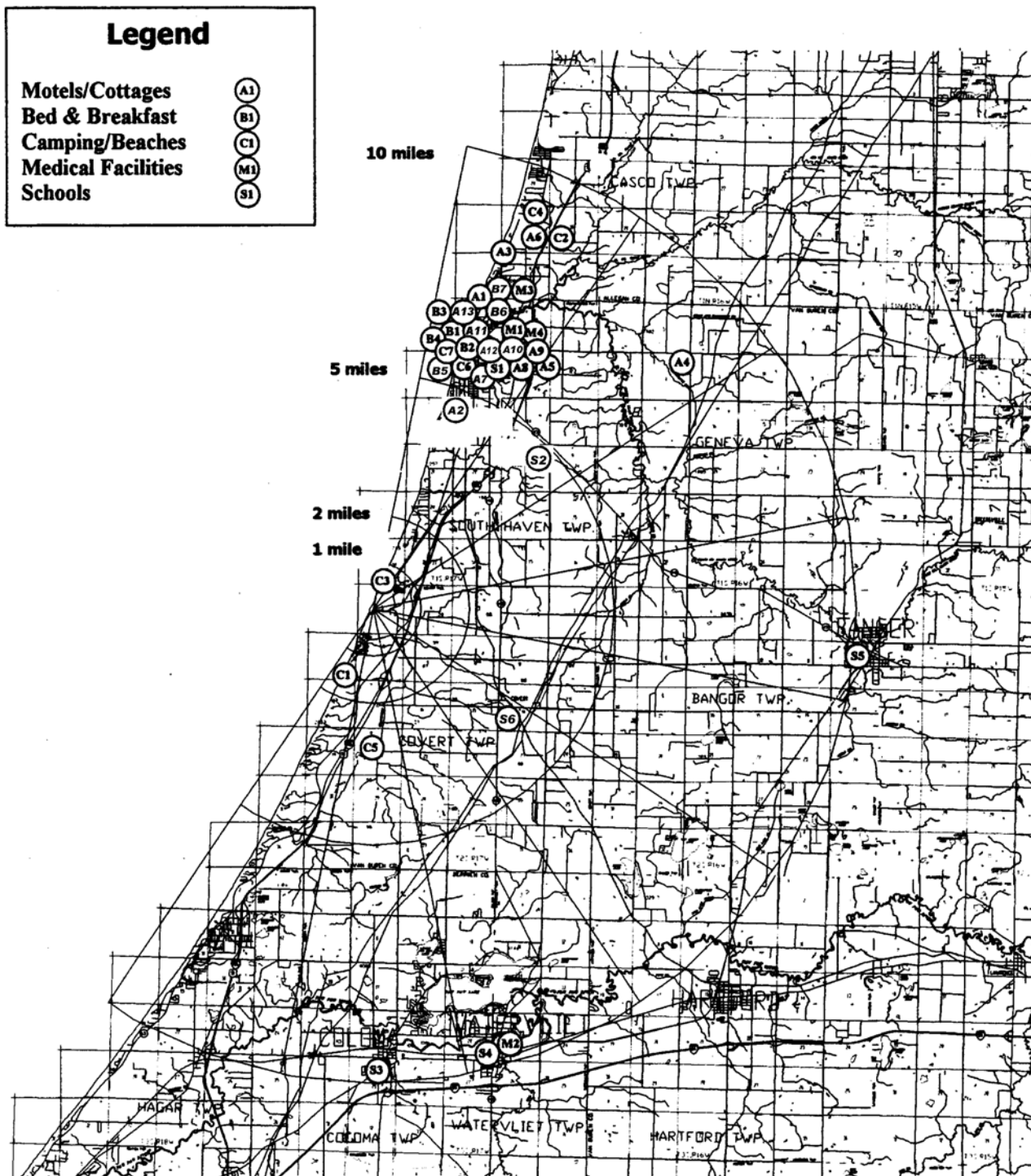
SITE TOPOGRAPHY, BORING LOCATIONS,
AND SEISMIC PROFILES



TOPOGRAPHY CROSS SECTIONS



SELECTED LAND USE CATEGORIES

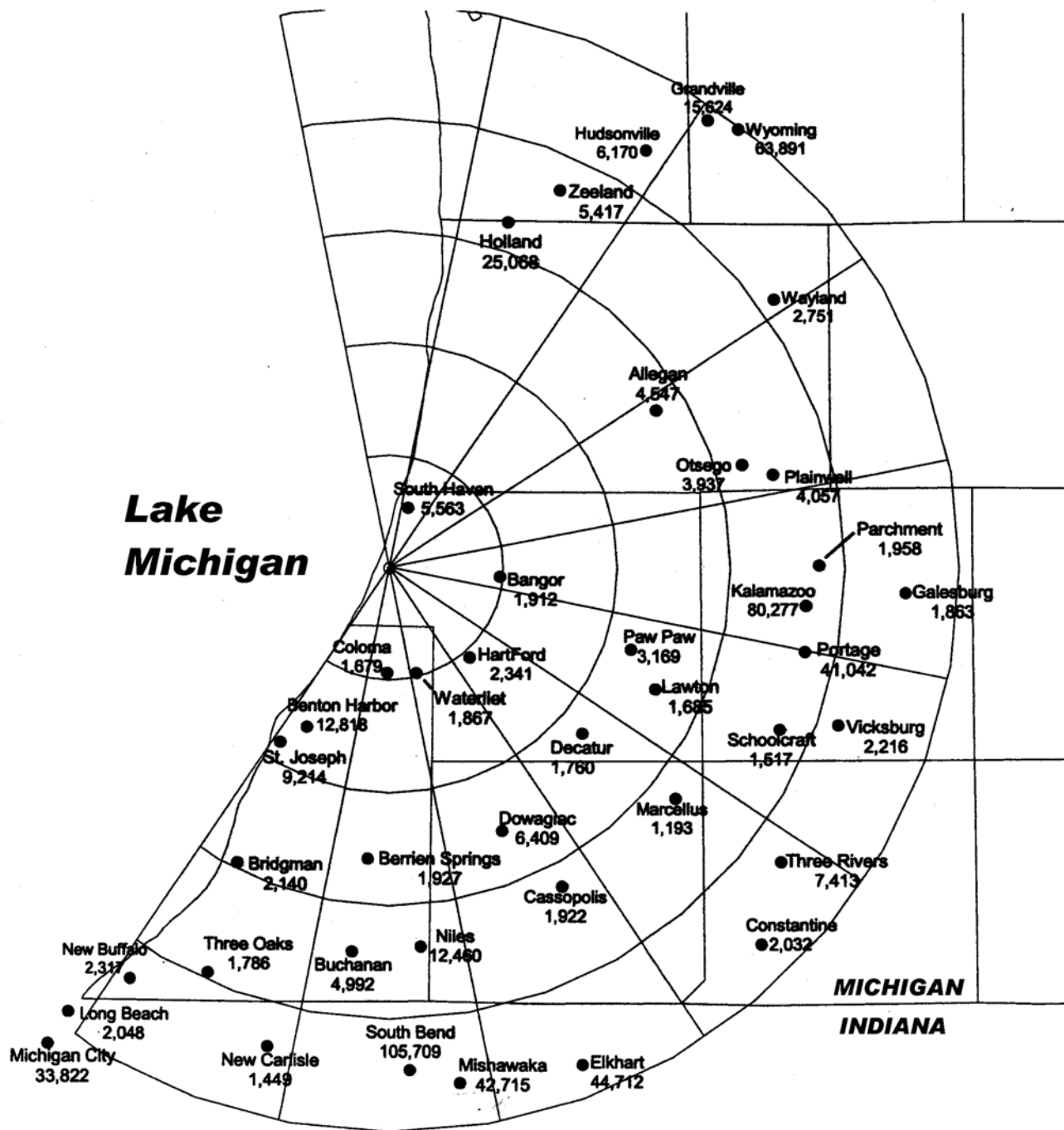


POPULATION

CENTERS

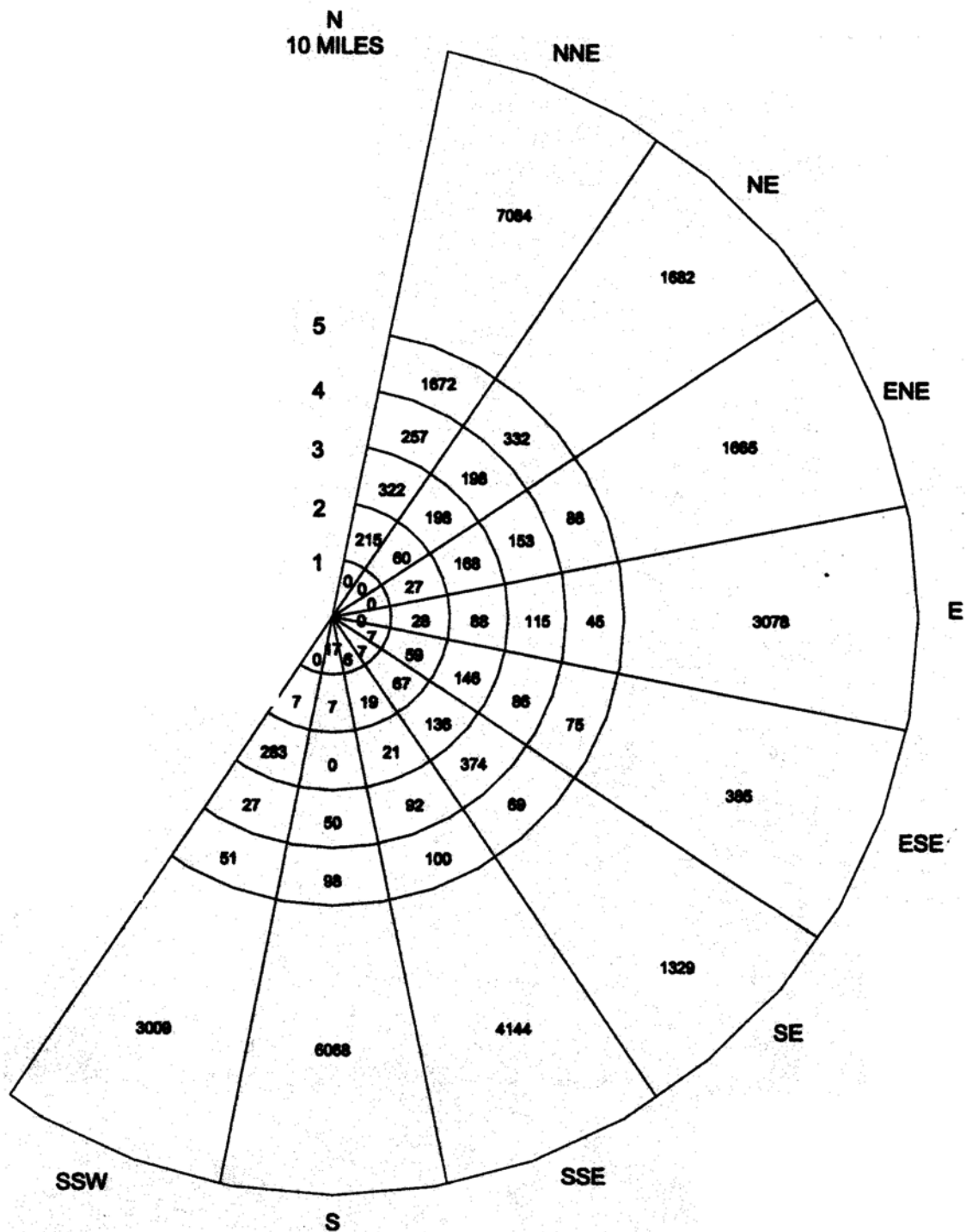
1990 CENSUS OVER 1,000, 0 TO 50 MILES

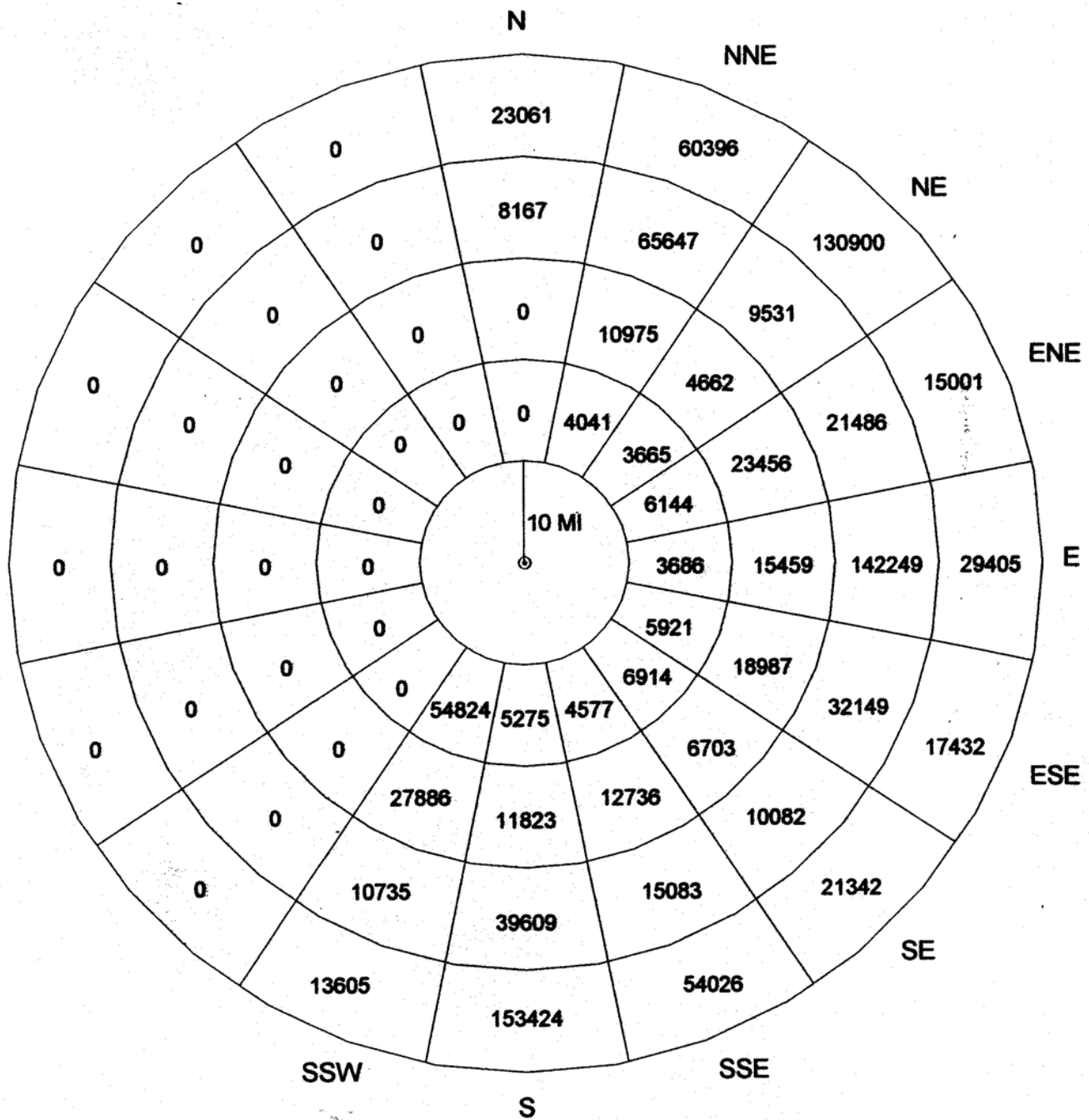
NOTE: Population values reported for incorporated cities or villages only.



PERMANENT RESIDENTIAL POPULATION BREAKDOWN (1990)

NOTE: Lake Michigan occupies part or all of cardinal compass points. SSW through N.



POPULATION DISTRIBUTION (1990)
10 TO 50 MILES

GROUNDWATER ELEVATIONS
AND AREA GRADIENTS

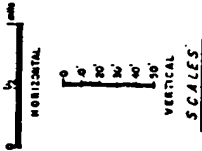
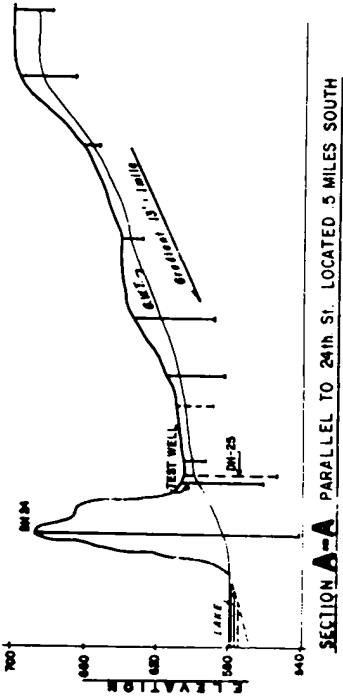
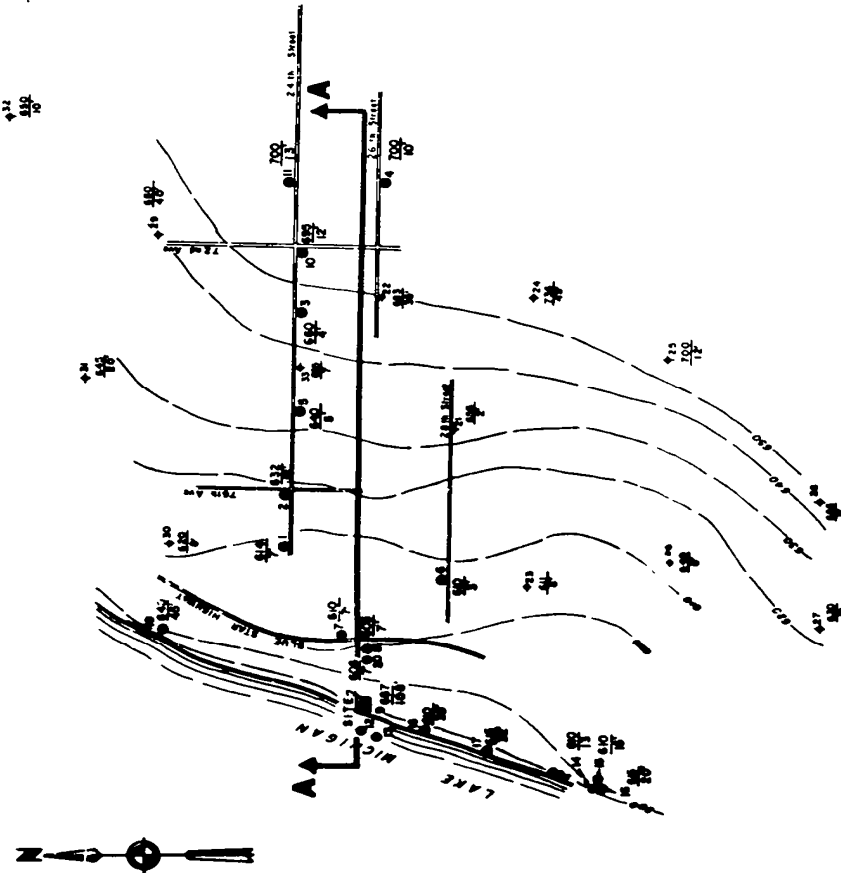
WATER
SAMPLE LOCATION
AND NUMBER

EXPLANATION

510 - ELEVATION OF WELL COLLAR
DEPTH TO WATER

538 - ELEVATION OF COLLAR
DEPTH TO WATER

600 - GROUND WATER CONTOUR



7

[illegible]

The topographic map displays the study area with contour lines indicating elevation. The map is oriented with North at the top. A north arrow is located in the upper left corner. A scale bar in the upper right corner indicates distances of 0, 40, 80, and 120 feet. The map shows a proposed relocation of Blue Star Highway Route 31, which is indicated by a dashed line. The original route is shown as a solid line. The proposed route is shown as a dashed line. The map also shows the locations of several drill holes, labeled DH-1 through DH-32. The map includes a legend in the lower right corner, which defines the symbols used for drill holes, test wells, and the proposed relocation. The legend indicates that open circles represent drill holes from 1965 and solid circles represent drill holes from 1966. The map also shows the locations of a switchyard and a test well. The map includes a north arrow and a scale bar.

Legend:

- DRILL HOLE 1965
- DRILL HOLE 1966

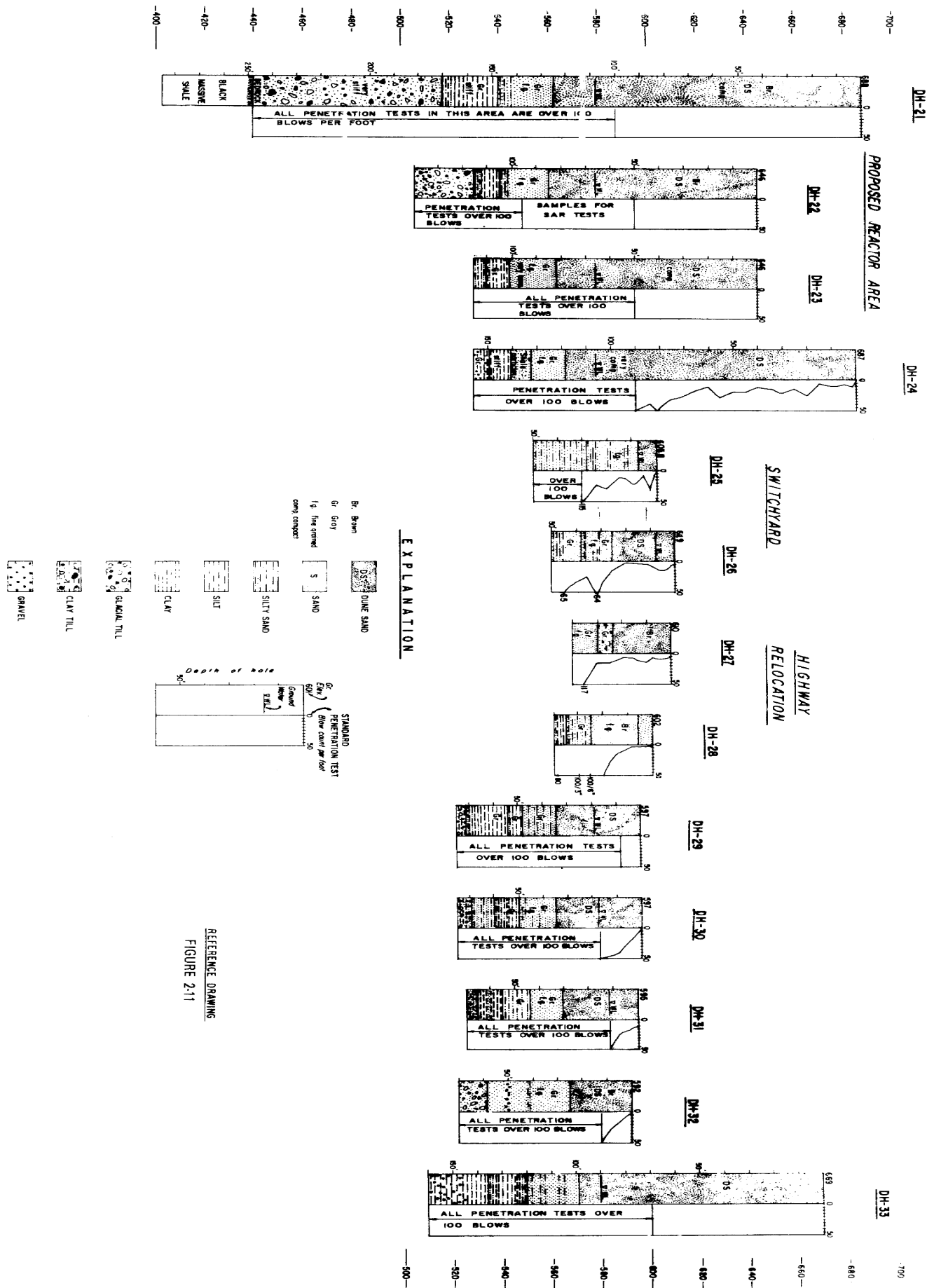
Map Labels:

- SWITCHYARD
- AREA
- TEST WELL
- DM-17
- DM-25
- DM-26
- DM-10
- DM-24
- DM-21
- DM-23
- DM-31
- DM-32
- DM-30
- DM-22
- DM-29
- DM-3
- DM-6
- DM-27
- DM-28
- PROPOSED RELOCATION ON ROUTE 31
- BLUE STAR HIGHWAY ROUTE 31
- SITE BOUNDARY

Scale: 0 40' 80' 120'

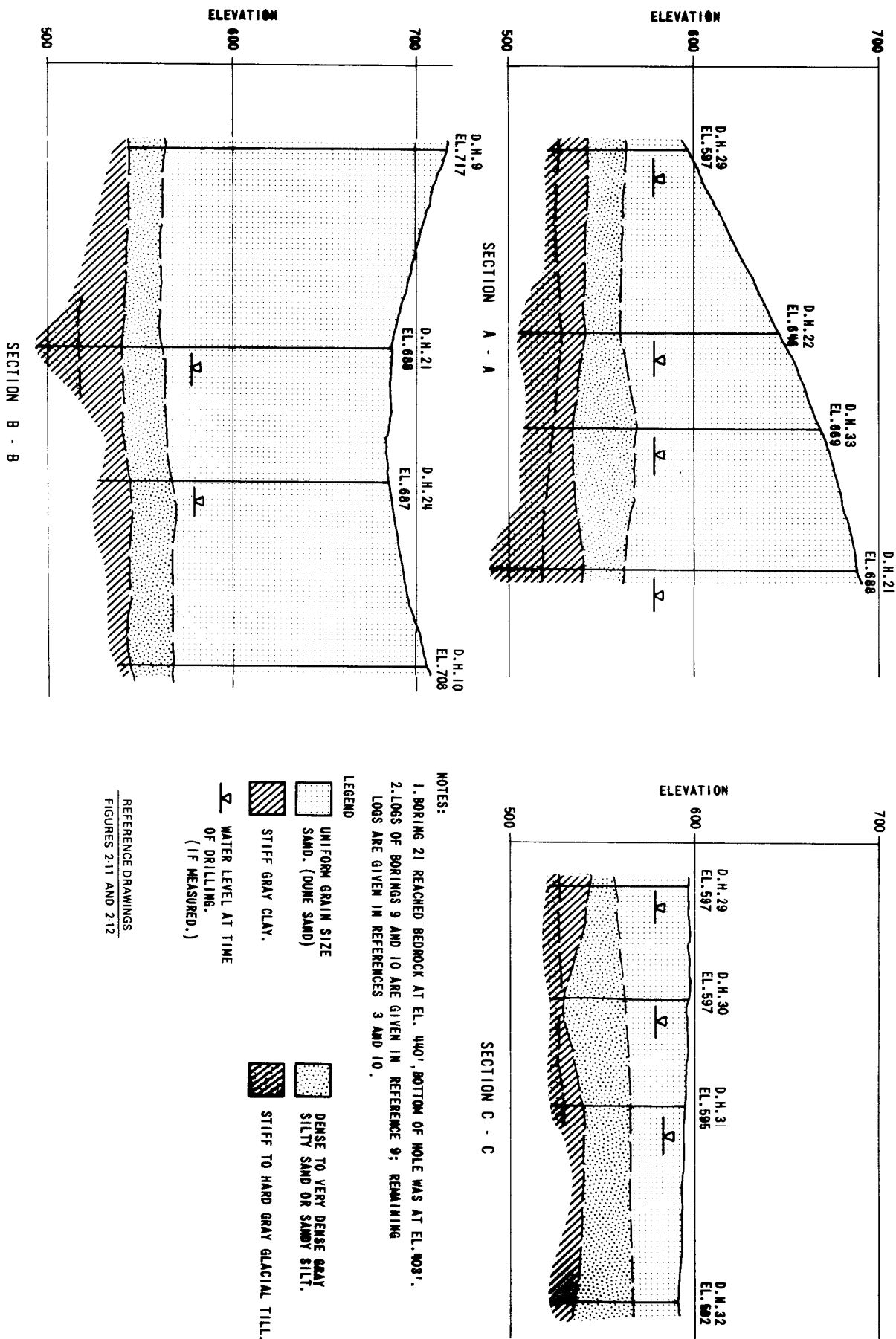
North Arrow

1966 DRILLING PROGRAM
DRILL LOGS AND SOIL PENETRATION TEST RESULTS

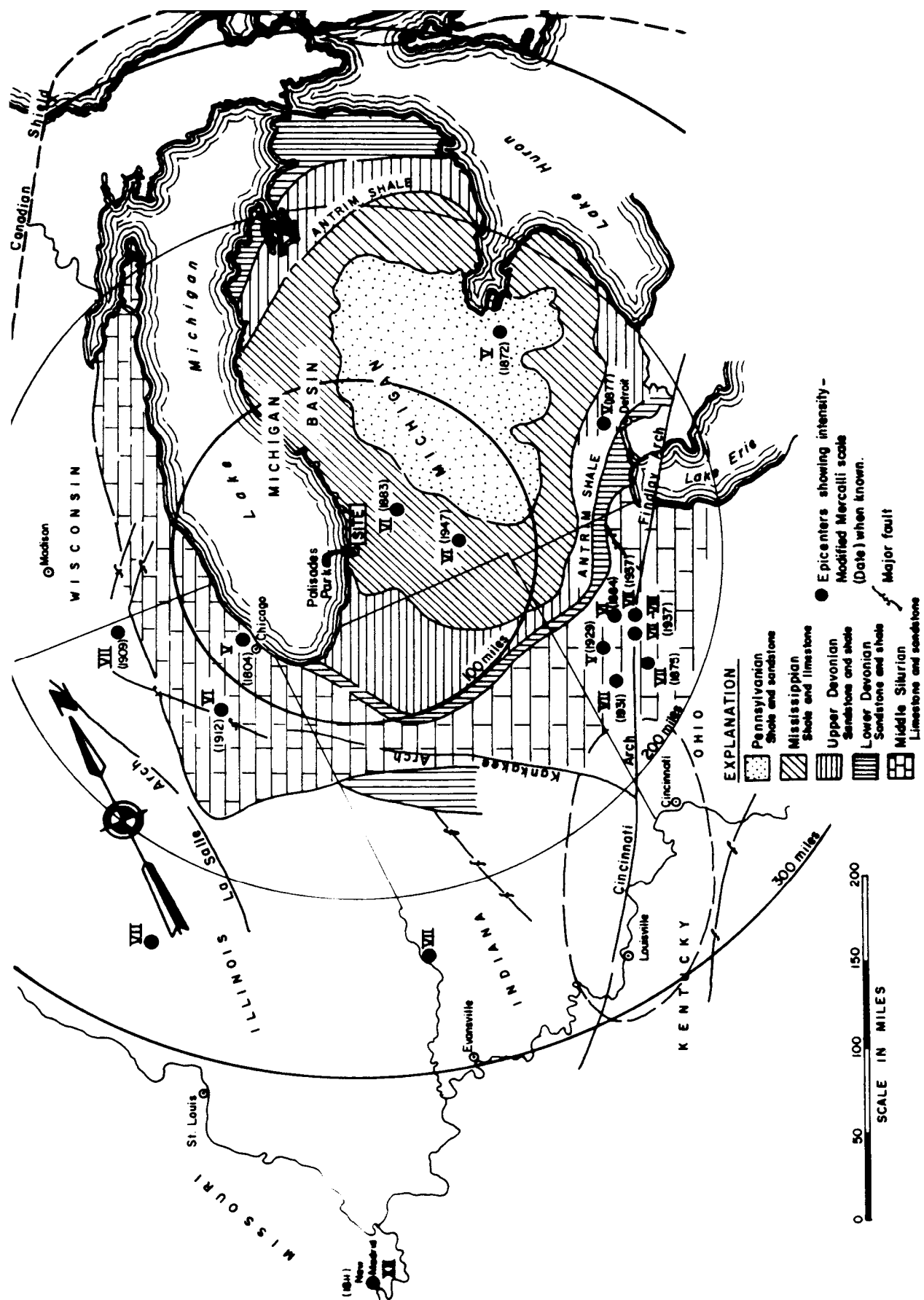


REFERENCE DRAWING
FIGURE 2-11

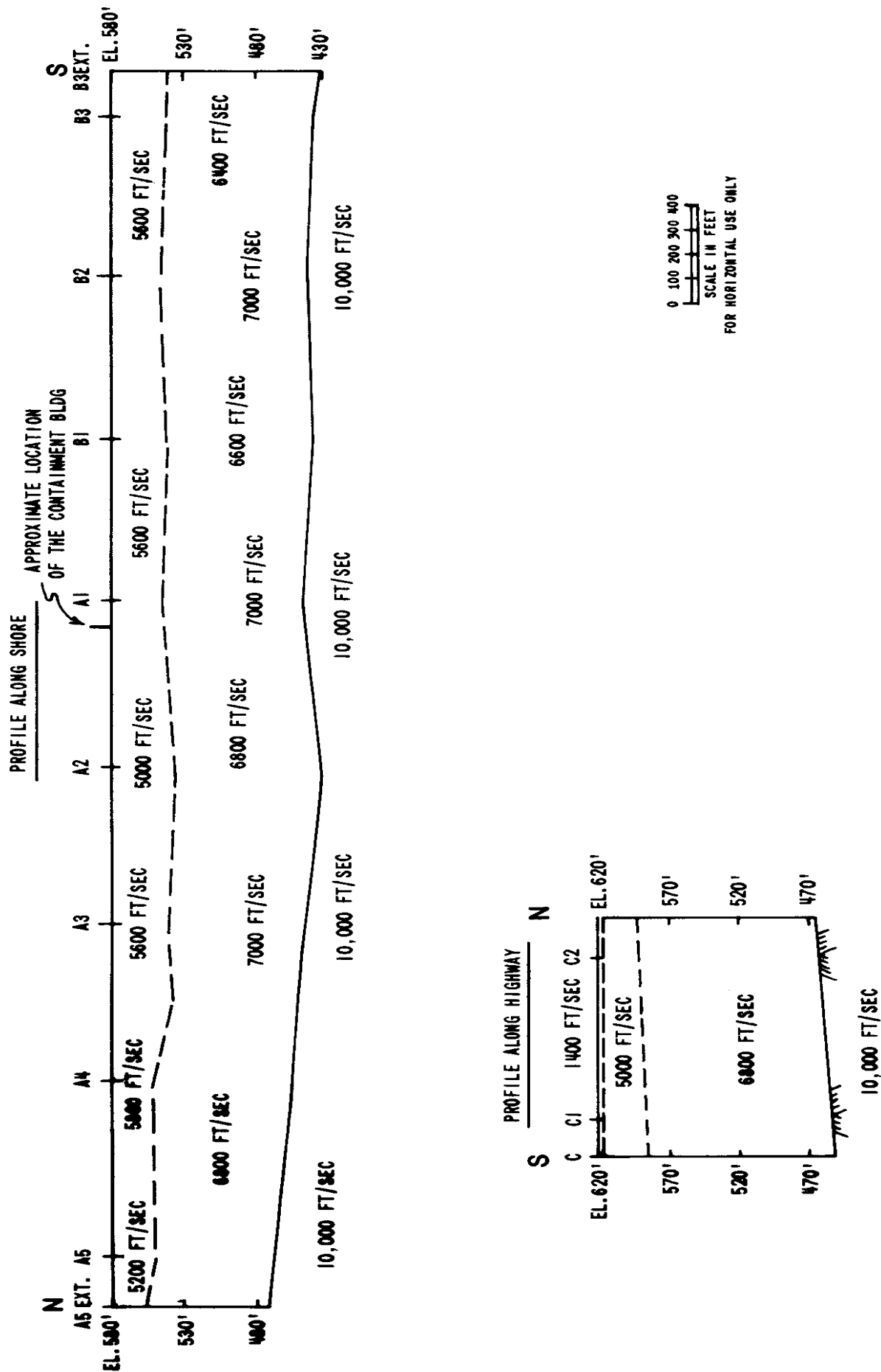
1966 DRILLING PROGRAM
SUBSURFACE SECTIONS



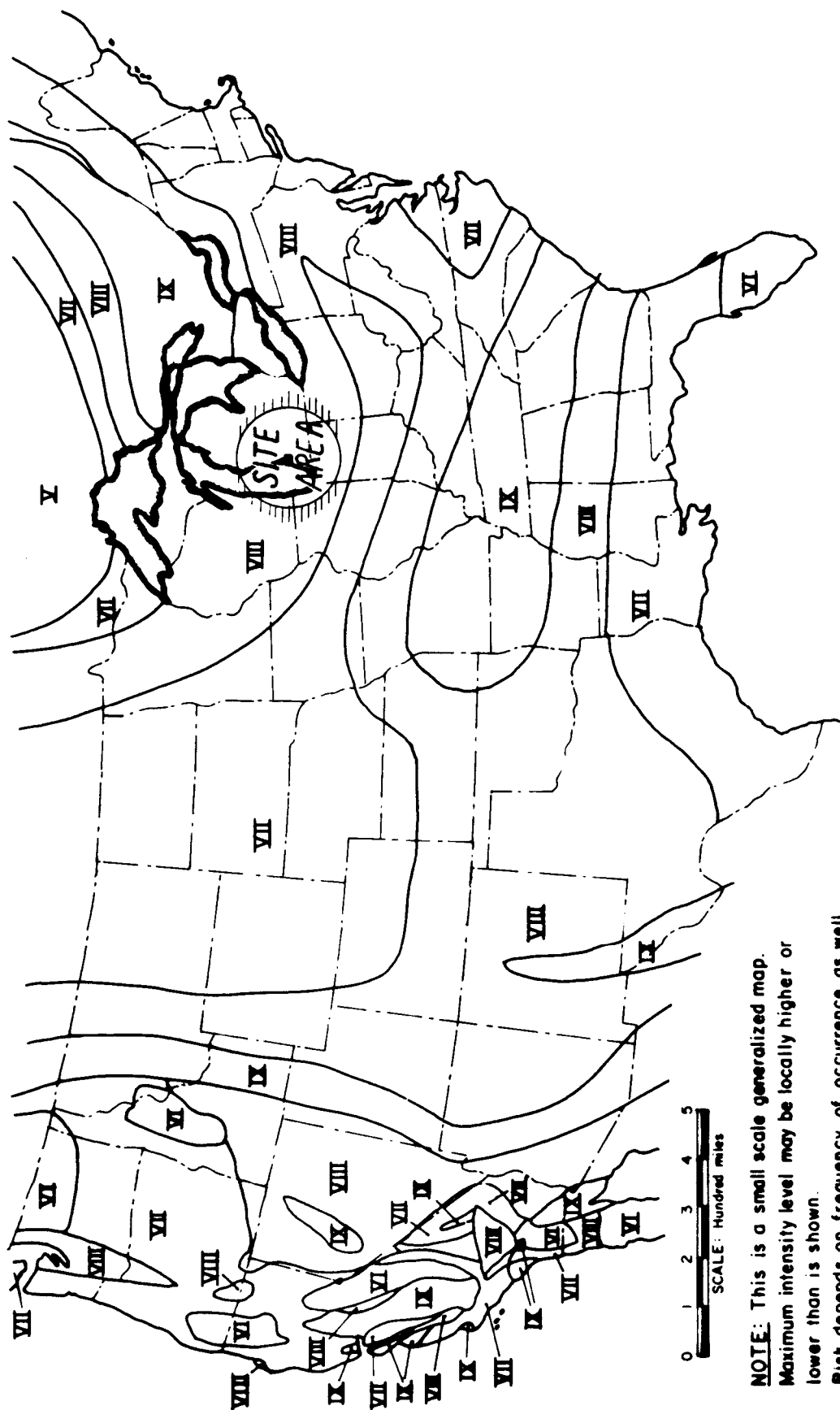
REGIONAL STRUCTURES, BEDROCK GEOLOGY, MAJOR FAULTING AND EPICENTERS



COMPRESSIONAL (P)WAVE VELOCITIES
FROM SEISMIC SURVEY



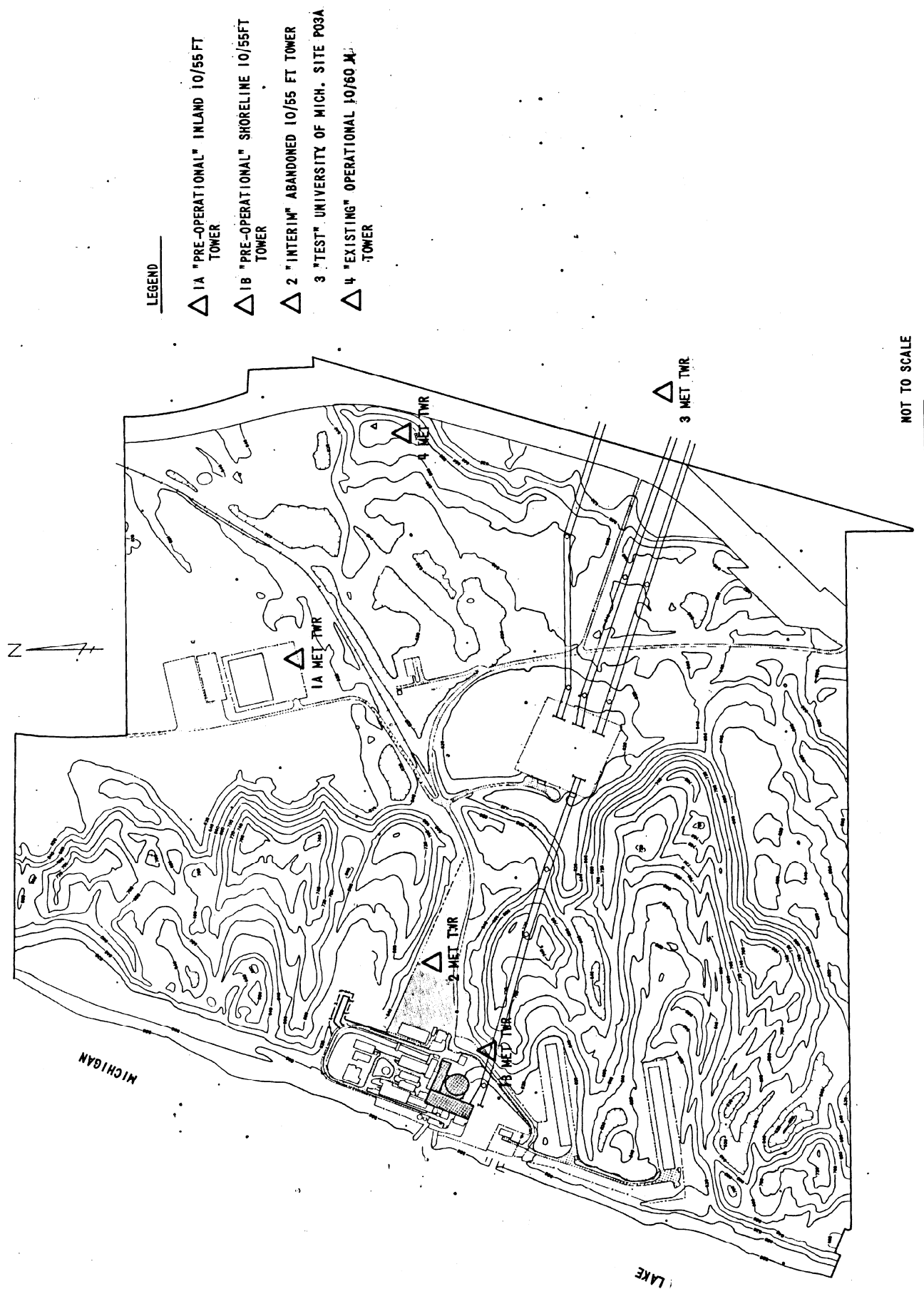
NOTE: DATA TAKEN FROM REFERENCE 8

SEISMIC REGIONALIZATION:
ZONES OF PROBABLE MAXIMUM INTENSITY (MM)

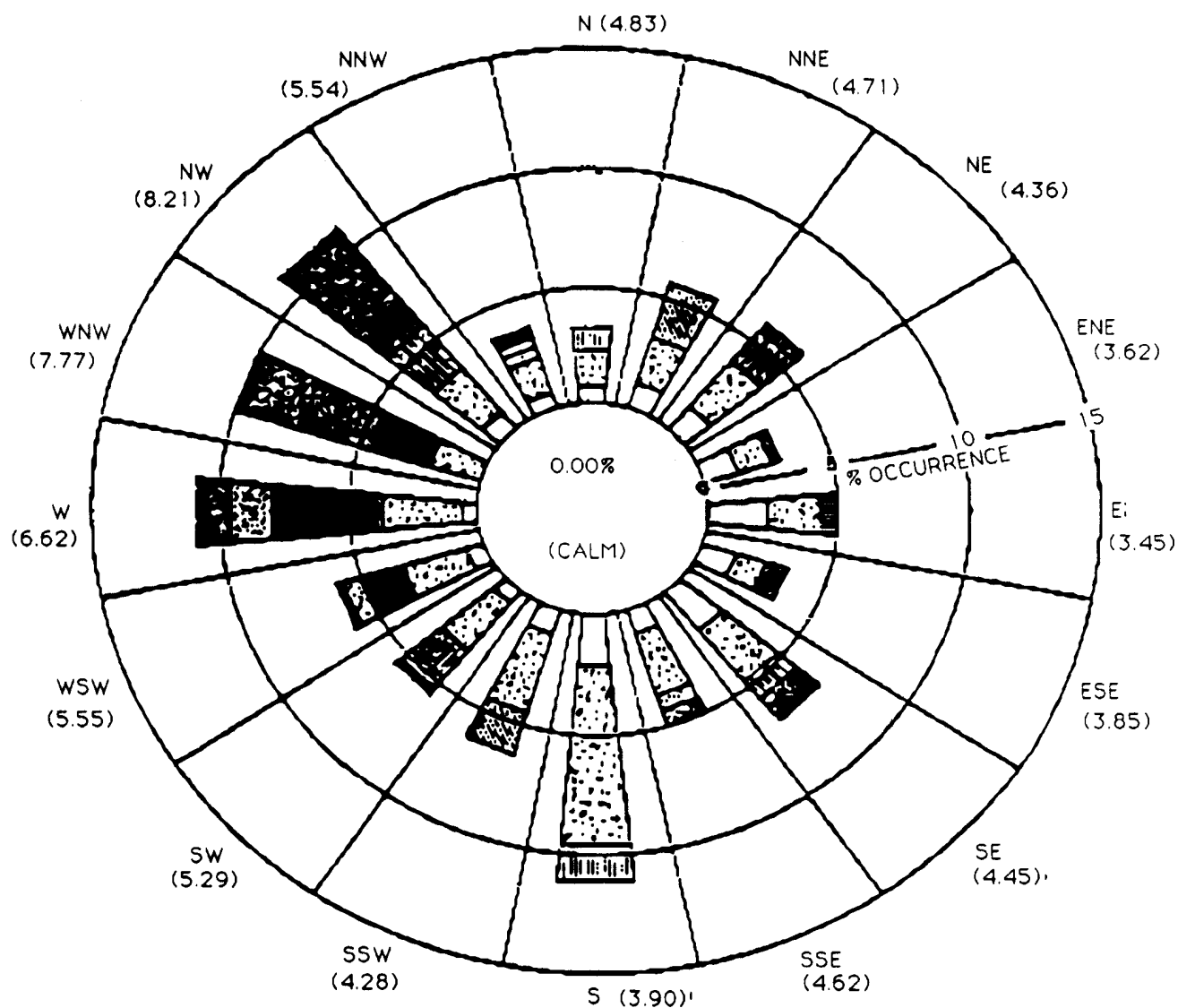
NOTE: This is a small scale generalized map.
Maximum intensity level may be locally higher or lower than is shown.
Risk depends on frequency of occurrence as well as on maximum expected intensity

After C.F. Richter, Bulletin Seismological Society of America, Vol 49, April, 1959.

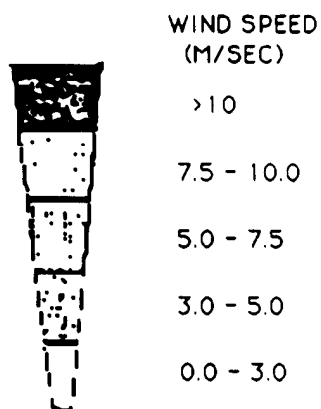
METEOROLOGICAL TOWER LOCATIONS



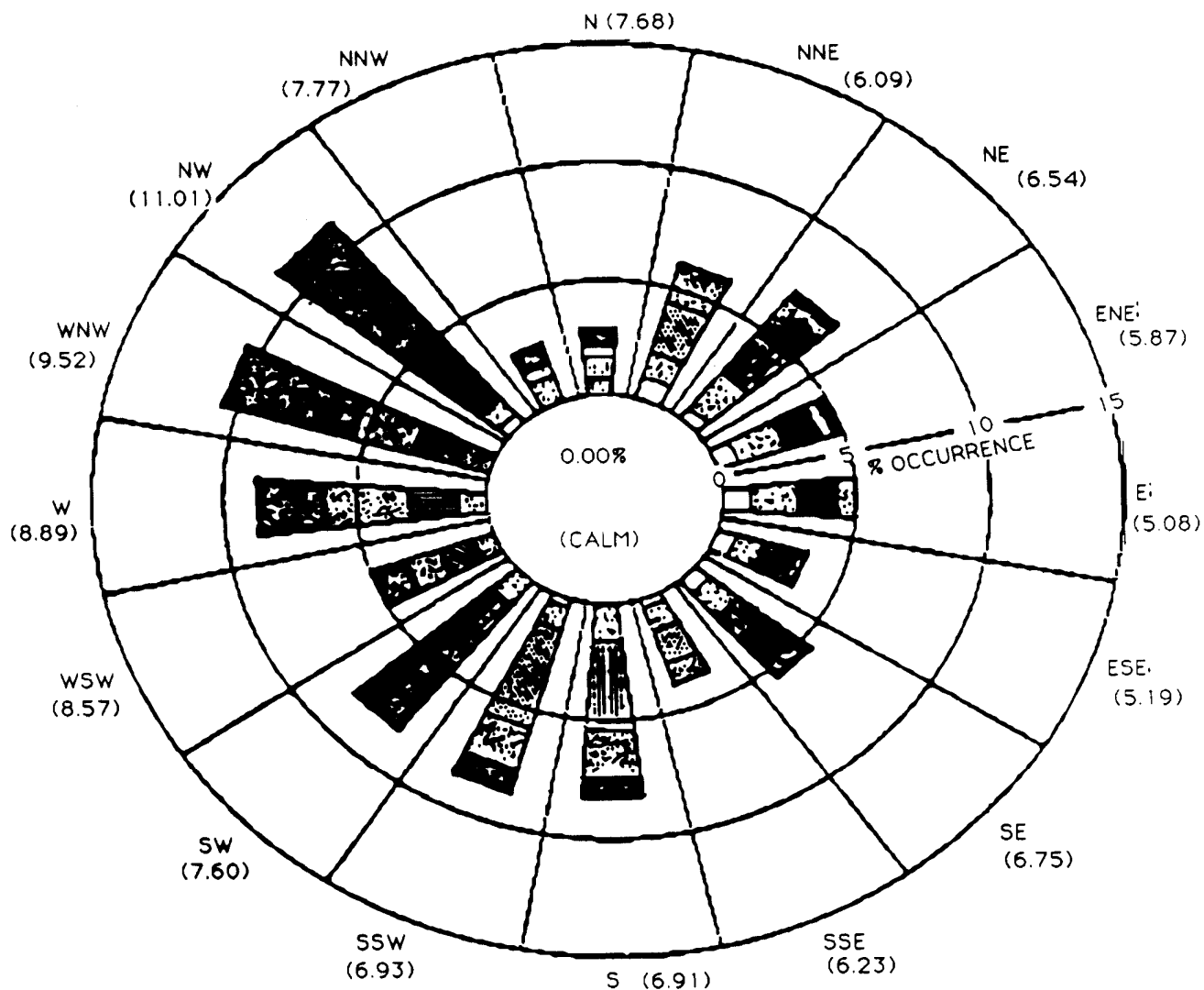
10 METER WIND FREQUENCY DISTRIBUTION - PALISADES SITE
 DECEMBER 1, 1977 THROUGH FEBRUARY 28, 1978

**LEGEND:**

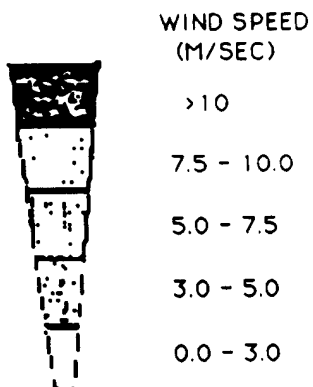
(X.XX) - MEAN WIND SPEED
 (m/sec) FOR SECTOR



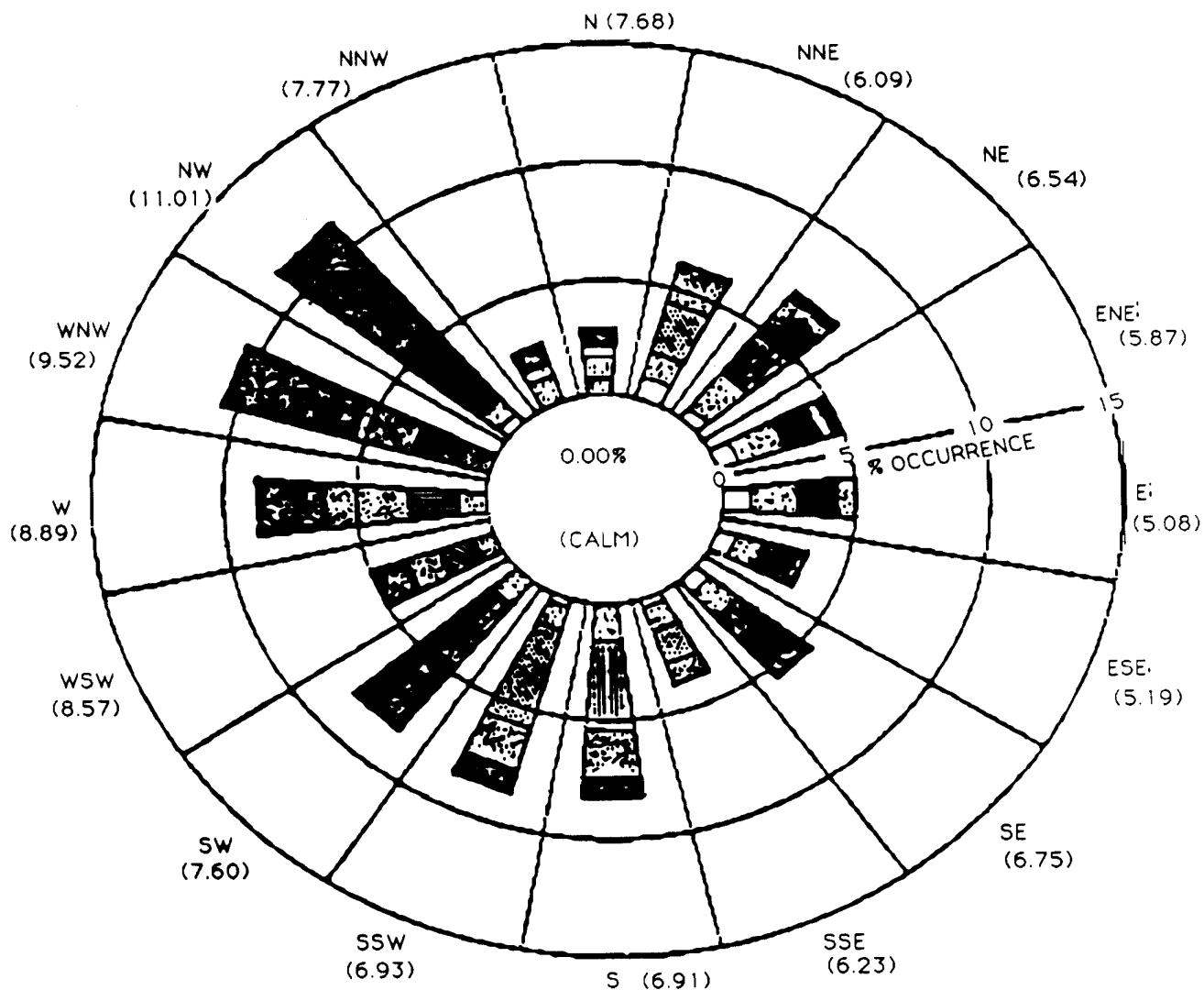
**60 METER WIND FREQUENCY DISTRIBUTION - PALISADES SITE
DECEMBER 1, 1977 THROUGH FEBRUARY 28, 1978**

**LEGEND:**

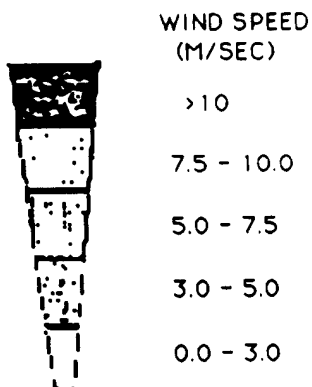
(X.XX) - MEAN WIND SPEED
(m/sec) FOR SECTOR



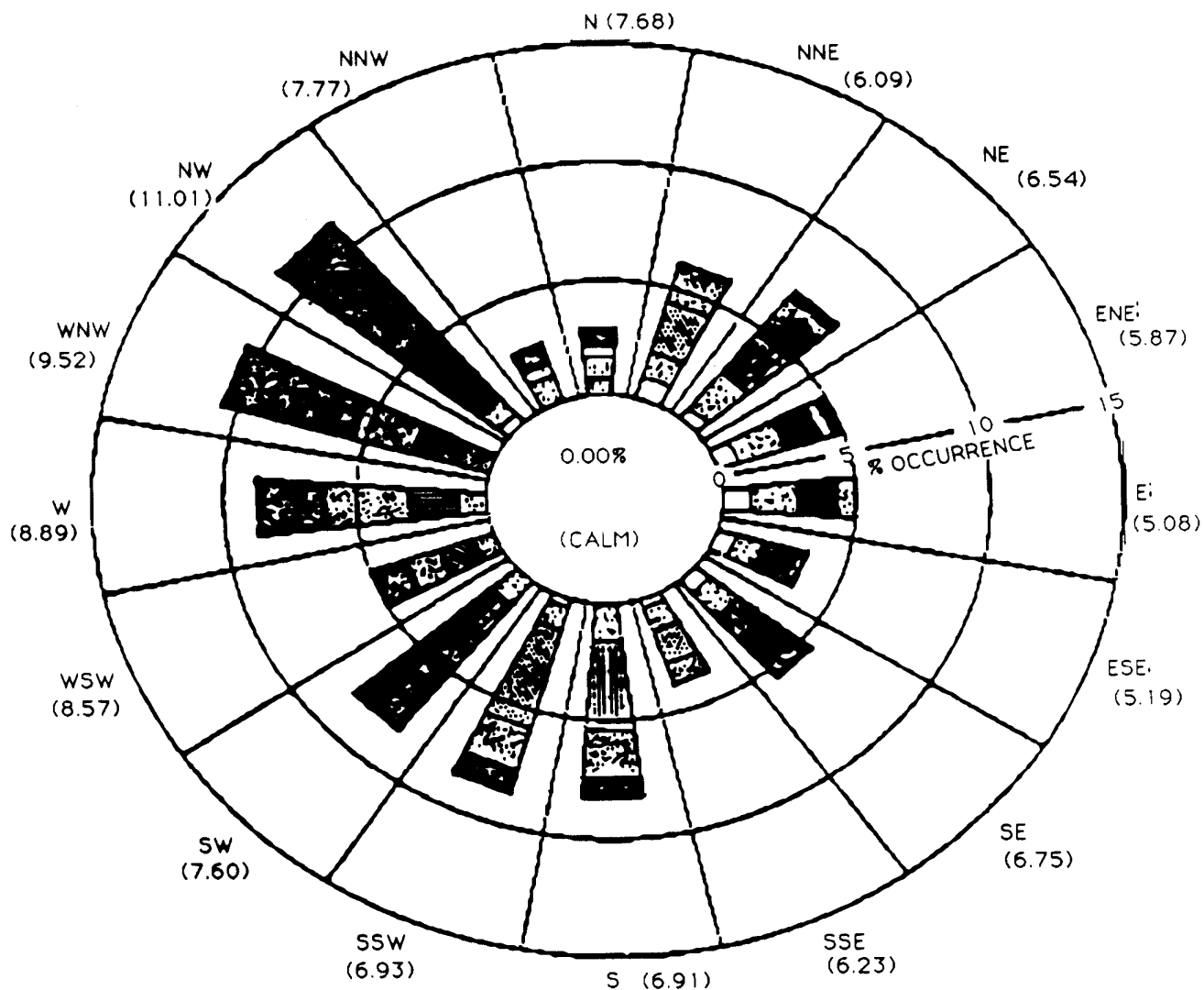
**60 METER WIND FREQUENCY DISTRIBUTION - PALISADES SITE
DECEMBER 1, 1977 THROUGH FEBRUARY 28, 1978**

**LEGEND:**

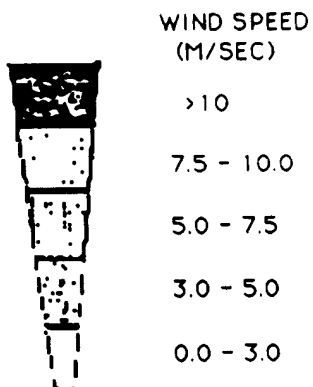
(X.XX) - MEAN WIND SPEED
(m/sec) FOR SECTOR



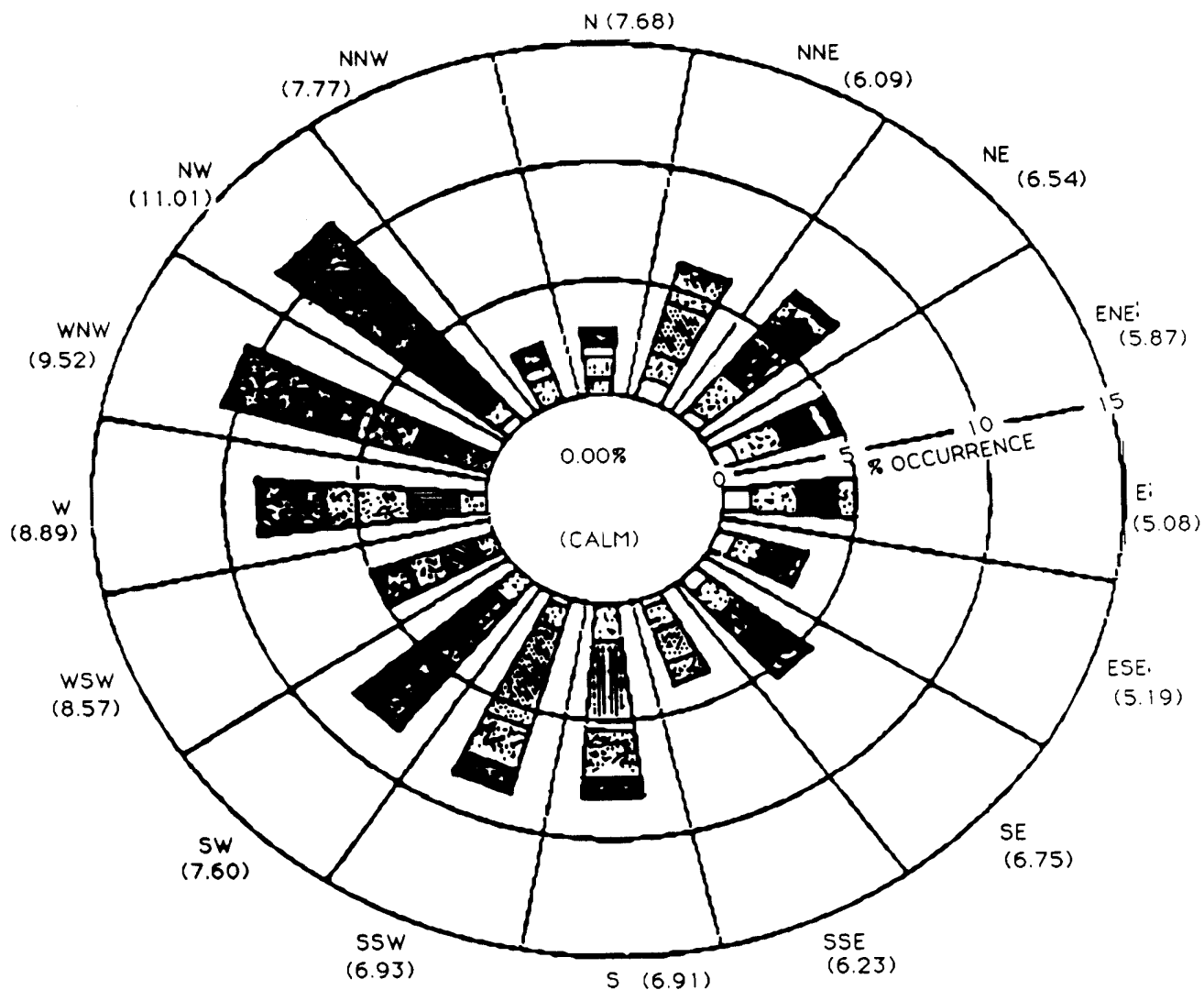
**60 METER WIND FREQUENCY DISTRIBUTION - PALISADES SITE
DECEMBER 1, 1977 THROUGH FEBRUARY 28, 1978**

**LEGEND:**

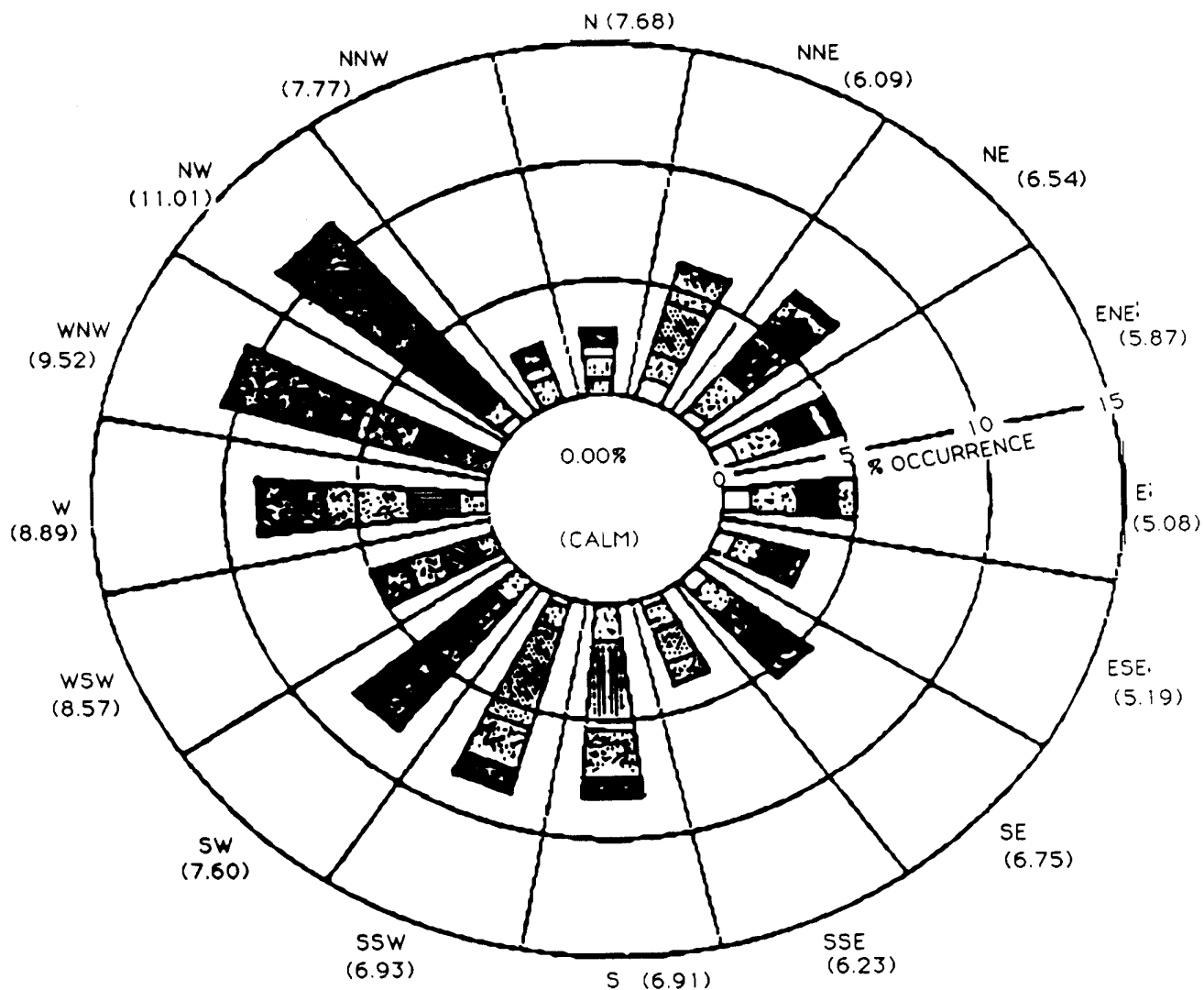
(X.XX) - MEAN WIND SPEED
(m/sec) FOR SECTOR



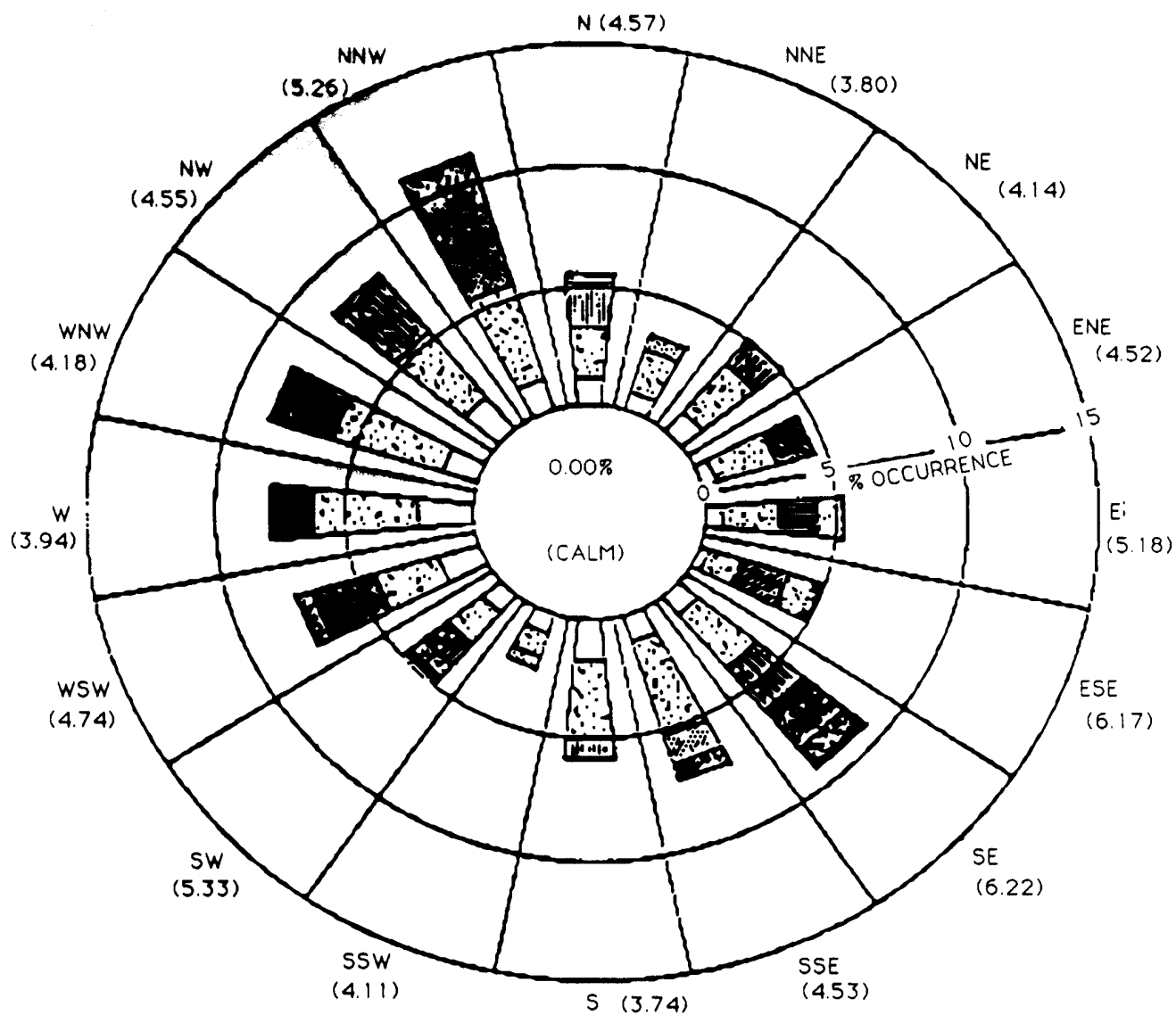
**60 METER WIND FREQUENCY DISTRIBUTION - PALISADES SITE
DECEMBER 1, 1977 THROUGH FEBRUARY 28, 1978**



**60 METER WIND FREQUENCY DISTRIBUTION - PALISADES SITE
DECEMBER 1, 1977 THROUGH FEBRUARY 28, 1978**



**10 METER WIND FREQUENCY DISTRIBUTION - PALISADES SITE
MARCH 1 THROUGH MAY 31, 1978**

**LEGEND:**

(5.62) - MEAN WIND SPEED
(m/sec) FOR SECTOR



WIND SPEED
(M/SEC)

>10

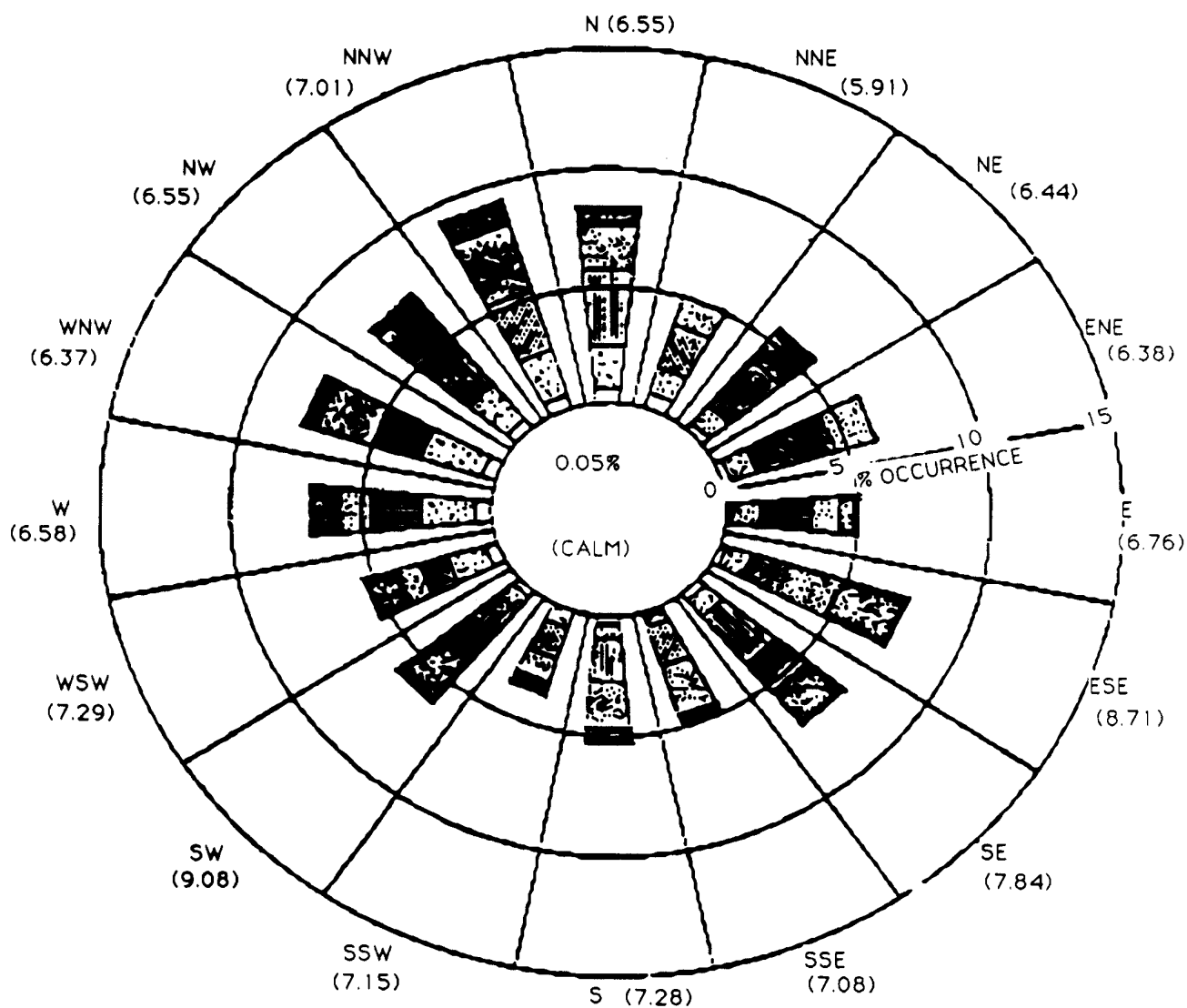
7.5 - 10.0

5.0 - 7.5

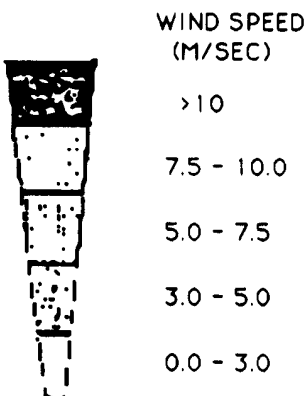
3.0 - 5.0

0.0 - 3.0

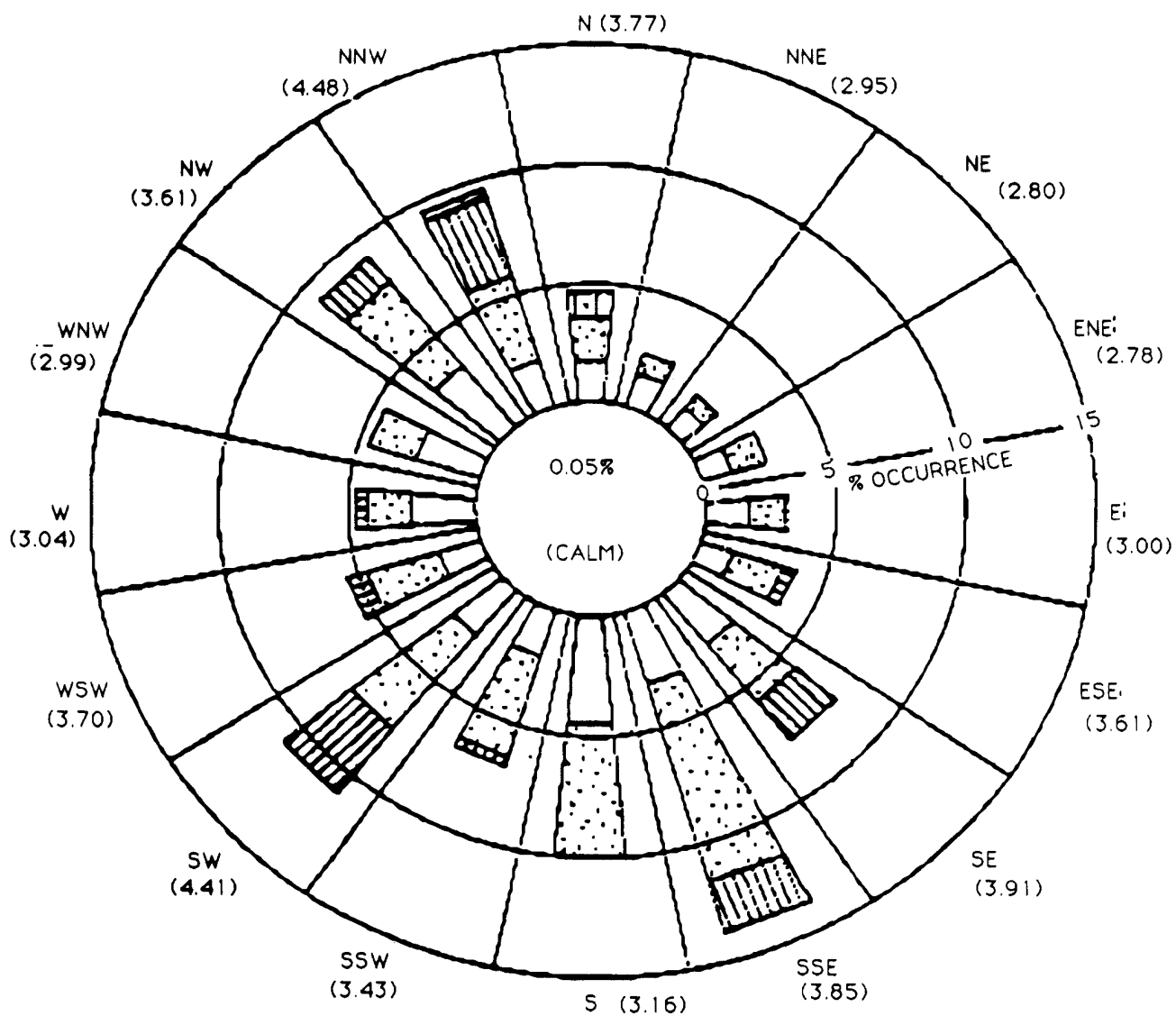
**60 METER WIND FREQUENCY DISTRIBUTION - PALISADES SITE
MARCH 1 THROUGH MAY 31, 1978**

**LEGEND:**

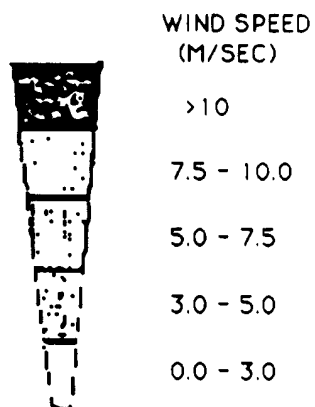
(5.62) - MEAN WIND SPEED
(m/sec) FOR SECTOR



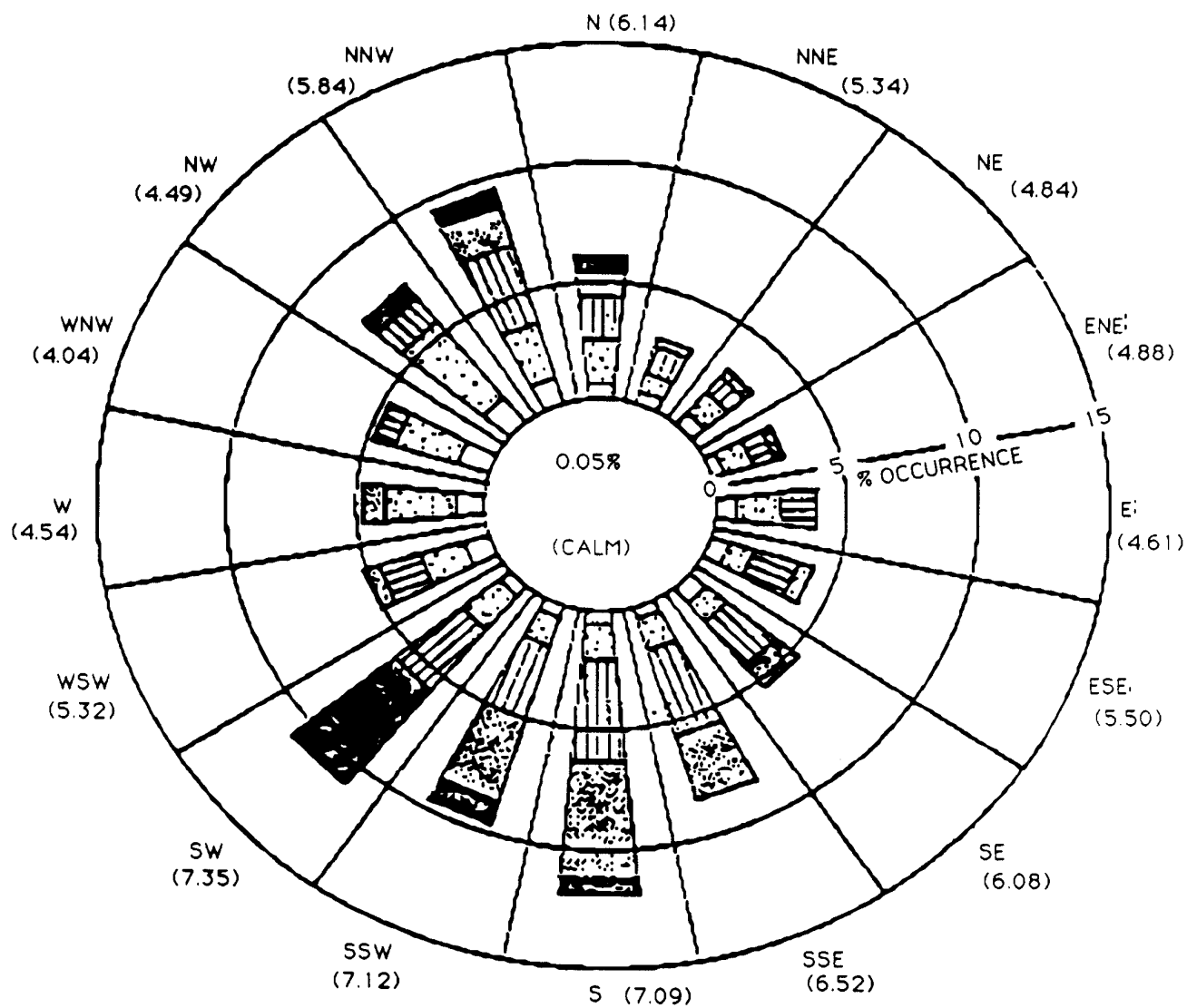
**10 METER WIND FREQUENCY DISTRIBUTION - PALISADES SITE
JUNE 1 THROUGH AUGUST 31, 1978**

**LEGEND:**

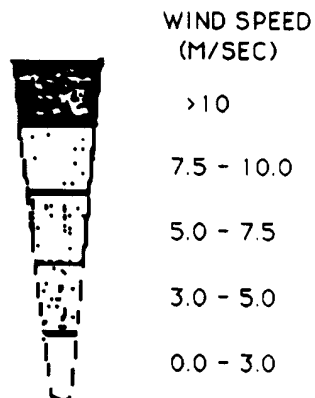
(5.62) - MEAN WIND SPEED
(m/sec) FOR SECTOR



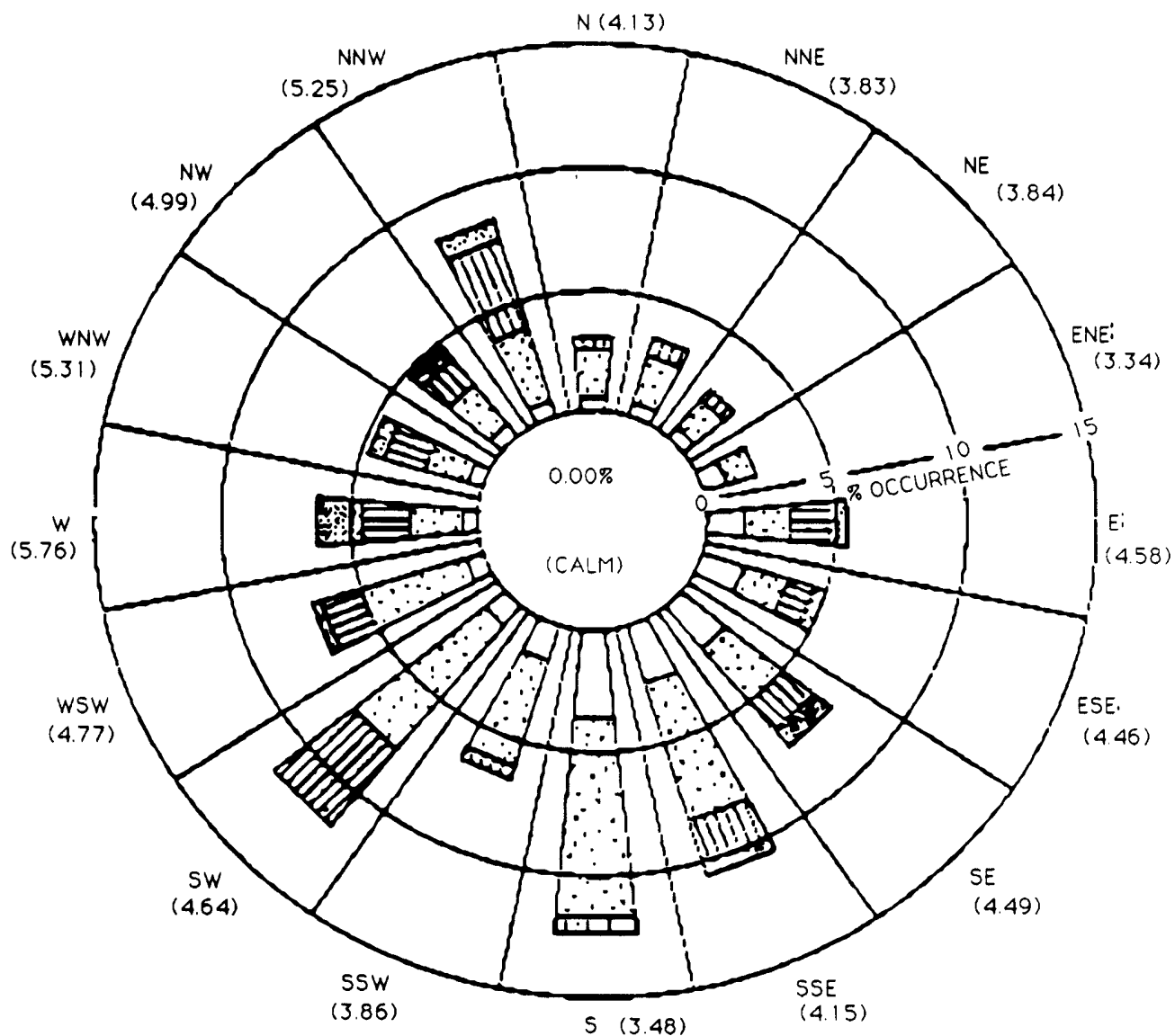
**60 METER WIND FREQUENCY DISTRIBUTION - PALISADES SITE
JUNE 1 THROUGH AUGUST 31, 1978**

**LEGEND:**

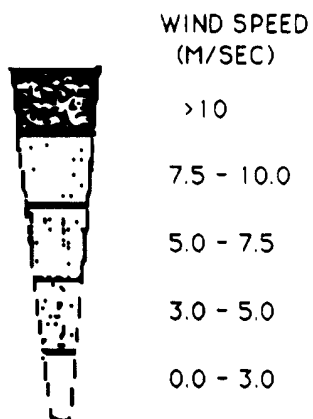
(5.62) - MEAN WIND SPEED
(m/sec) FOR SECTOR



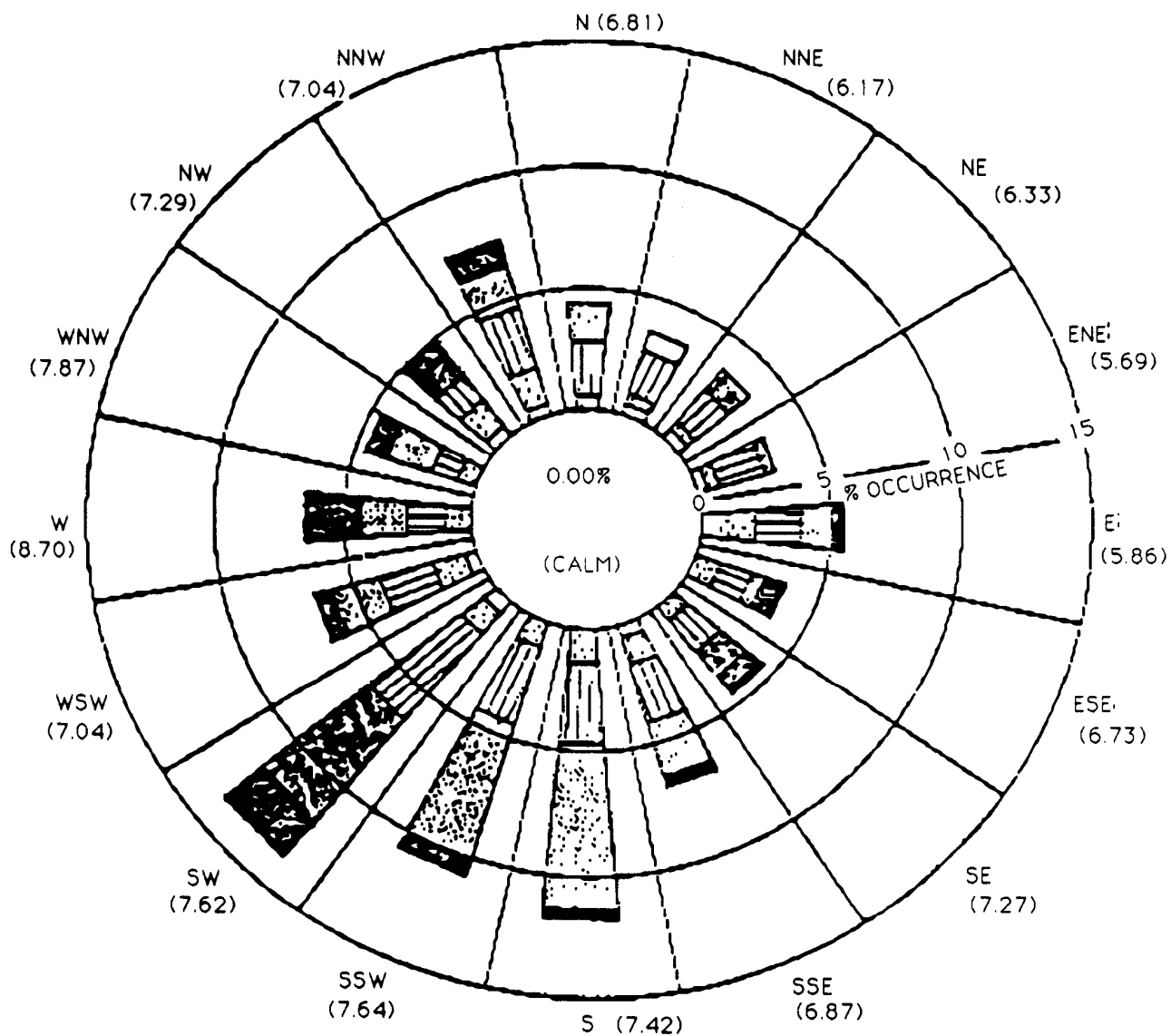
**10 METER WIND FREQUENCY DISTRIBUTION - PALISADES SITE
SEPTEMBER 1 THROUGH NOVEMBER 30, 1978**

**LEGEND:**

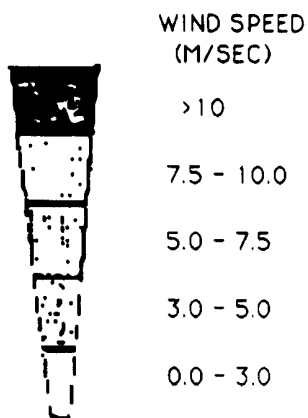
(5.62) - MEAN WIND SPEED
(m/sec) FOR SECTOR



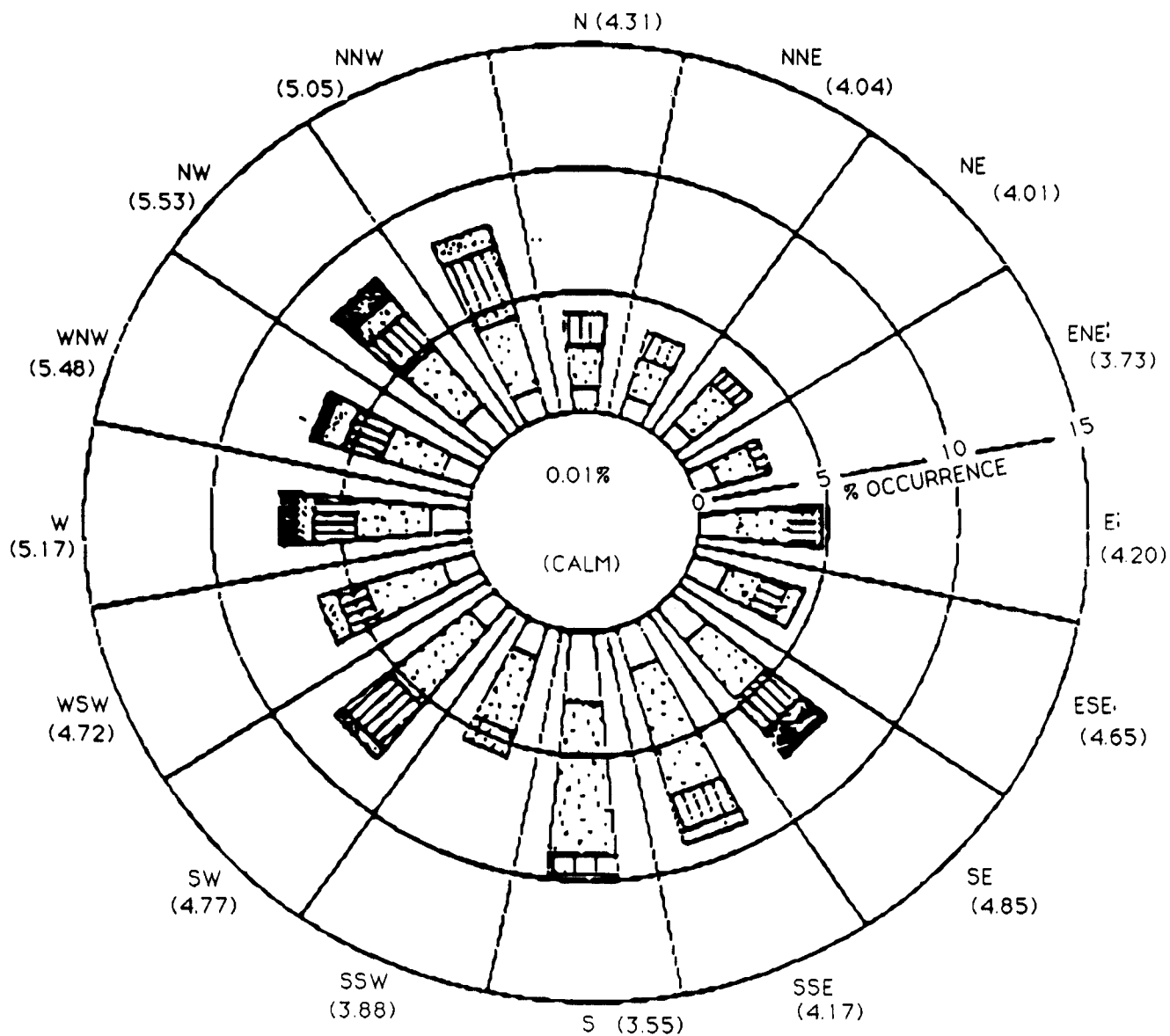
**60 METER WIND FREQUENCY DISTRIBUTION - PALISADES SITE
SEPTEMBER 1 THROUGH NOVEMBER 30, 1978**

**LEGEND:**

(5.62) - MEAN WIND SPEED
(m/sec) FOR SECTOR



**10 METER WIND FREQUENCY DISTRIBUTION - PALISADES SITE
DECEMBER 1, 1977 THROUGH NOVEMBER 30, 1978**

**LEGEND:**

(5.62) - MEAN WIND SPEED
(m/sec) FOR SECTOR

WIND SPEED
(M/SEC)



>10

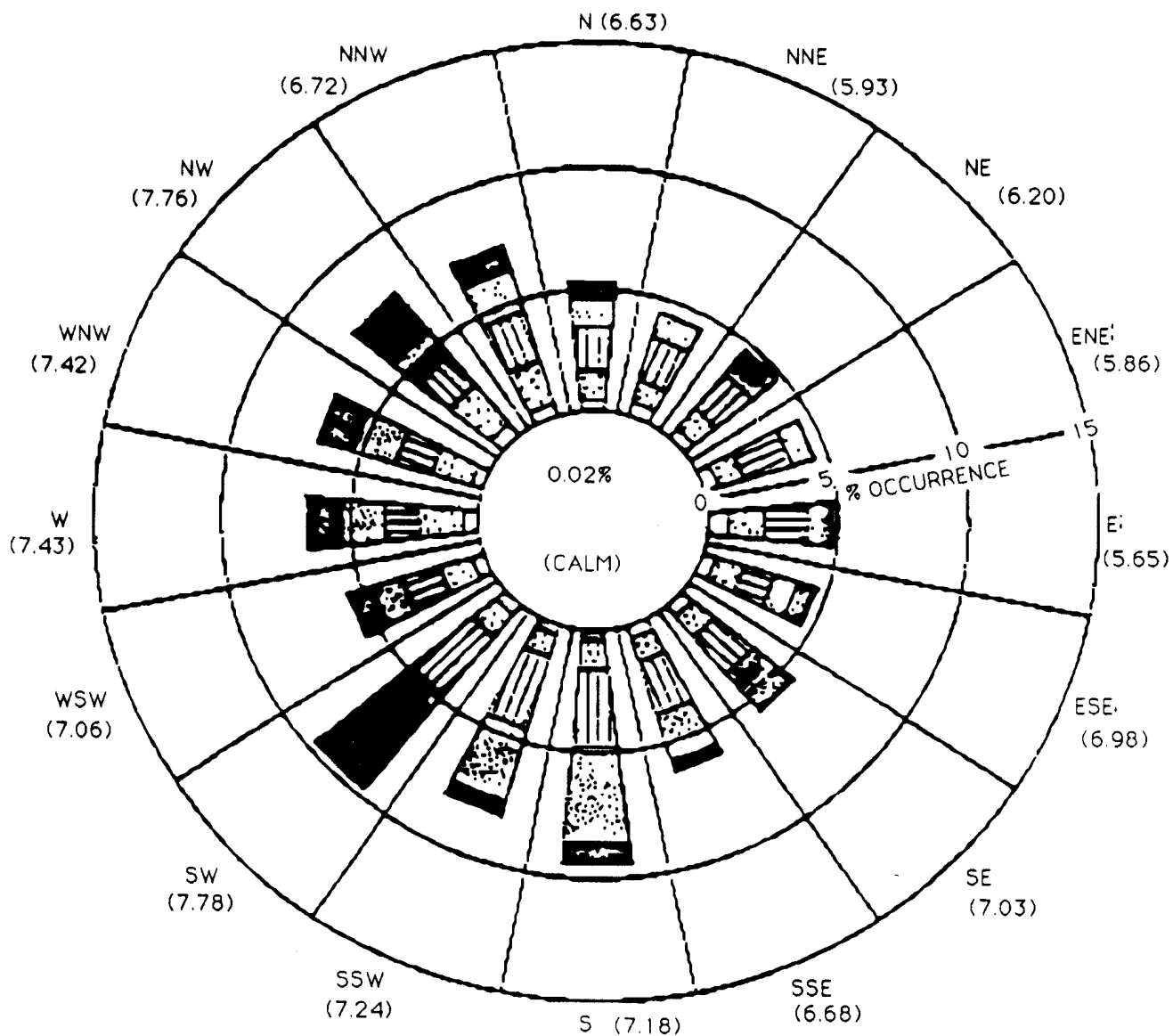
7.5 - 10.0

5.0 - 7.5

3.0 - 5.0

0.0 - 3.0

60 METER WIND FREQUENCY DISTRIBUTION - PALISADES SITE
DECEMBER 1, 1977 THROUGH NOVEMBER 30, 1978



LEGEND:

(5.62) - MEAN WIND SPEED
(m/sec) FOR SECTOR

