

HE  
147.6  
.M5  
v.20

Statewide



Transportation

Analysis &

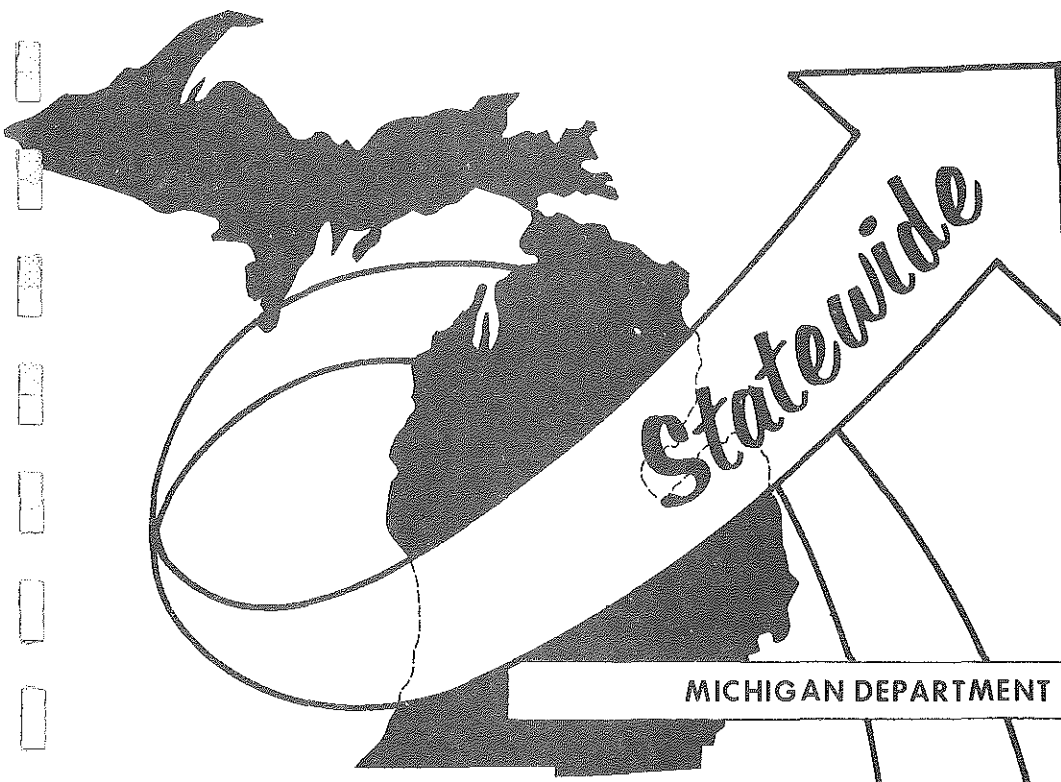
Research

Michigan's Statewide  
Transportation Modeling System

AVAILABILITY AND GRAPHIC  
DISPLAY OF 1980 CENSUS DATA

Volume XX

Transportation Planning Procedures Section  
August 1983



MICHIGAN DEPARTMENT OF TRANSPORTATION

# MICHIGAN DEPARTMENT OF TRANSPORTATION

## BUREAU OF TRANSPORTATION PLANNING

Michigan's Statewide  
Transportation Modeling System

AVAILABILITY AND GRAPHIC  
DISPLAY OF 1980 CENSUS DATA

Volume XX

Transportation Planning Procedures Section  
August 1983

### STATE TRANSPORTATION COMMISSION

William C. Marshall - Chairman  
Lawrence C. Patrick, Jr. - Vice Chairman  
Haynes Meyers, Jr.  
Carl V. Pellonpaa  
Weston E. Vivian  
Roger D. Young

### DIRECTOR

James P. Pitz

# Table of Contents

## AVAILABILITY AND GRAPHIC DISPLAY OF 1980 CENSUS DATA

Karen R. Howe

|  | <u>Page</u> |
|--|-------------|
| INTRODUCTION . . . . .                       | 1           |
| STATEWIDE SOCIO-ECONOMIC DATA FILE . . . . . | 2           |
| BAR GRAPH SAMPLE . . . . .                   | 3           |
| PIE CHART SAMPLE . . . . .                   | 4           |
| COUNTY LEVEL CALFORM SAMPLE . . . . .        | 5           |
| 547 ZONE LEVEL CALFORM SAMPLE . . . . .      | 6           |
| 2300 ZONE LEVEL CALFORM SAMPLE . . . . .     | 7           |

# INTRODUCTION

The Bureau of Transportation Planning, Michigan Department of Transportation, has acquired a data set which contains 1980 Census Data for Michigan. This data base contains over 1,000 individual data items for all areas in the State (see Figure 1). The data is available at the state, county, and Michigan Statewide Transportation Modeling zone systems.

Many graphic techniques are in place to easily display the census data. Bar charts and pie charts (see Figures 2 and 3) are two ways of displaying statewide information. County and zone level data can be geographically displayed through the use of CALFORM maps (see Figures 4 through 6). Variations in size, shading, and the use of color are all available with these graphic techniques. Arithmetic manipulation of census items (i.e., percentages) can also be performed before the data is graphically displayed.

If you would like to know more about this data and graphic capabilities, contact Richard E. Esch, Manager, Transportation Planning Procedures Section, Michigan Department of Transportation, telephone (517) 373-2663.

Figure 1

# STATEWIDE SOCIO-ECONOMIC DATA FILE

## 1980 CENSUS OF POPULATION & HOUSING

### Population

|                   |                              |                      |
|-------------------|------------------------------|----------------------|
| INCOME            | WORK DISABILITY              | AGE                  |
| POVERTY STATUS    | TRANSPORTATION<br>DISABILITY | RACE                 |
| SPANISH ORIGIN    | PLACE OF WORK                | SEX                  |
| SCHOOL ENROLLMENT | INDUSTRY<br>OCCUPATION       | VEHICLE<br>OCCUPANCY |
| SCHOOL COMPLETED  |                              | ANCESTRY             |
| LABOR FORCE       |                              |                      |

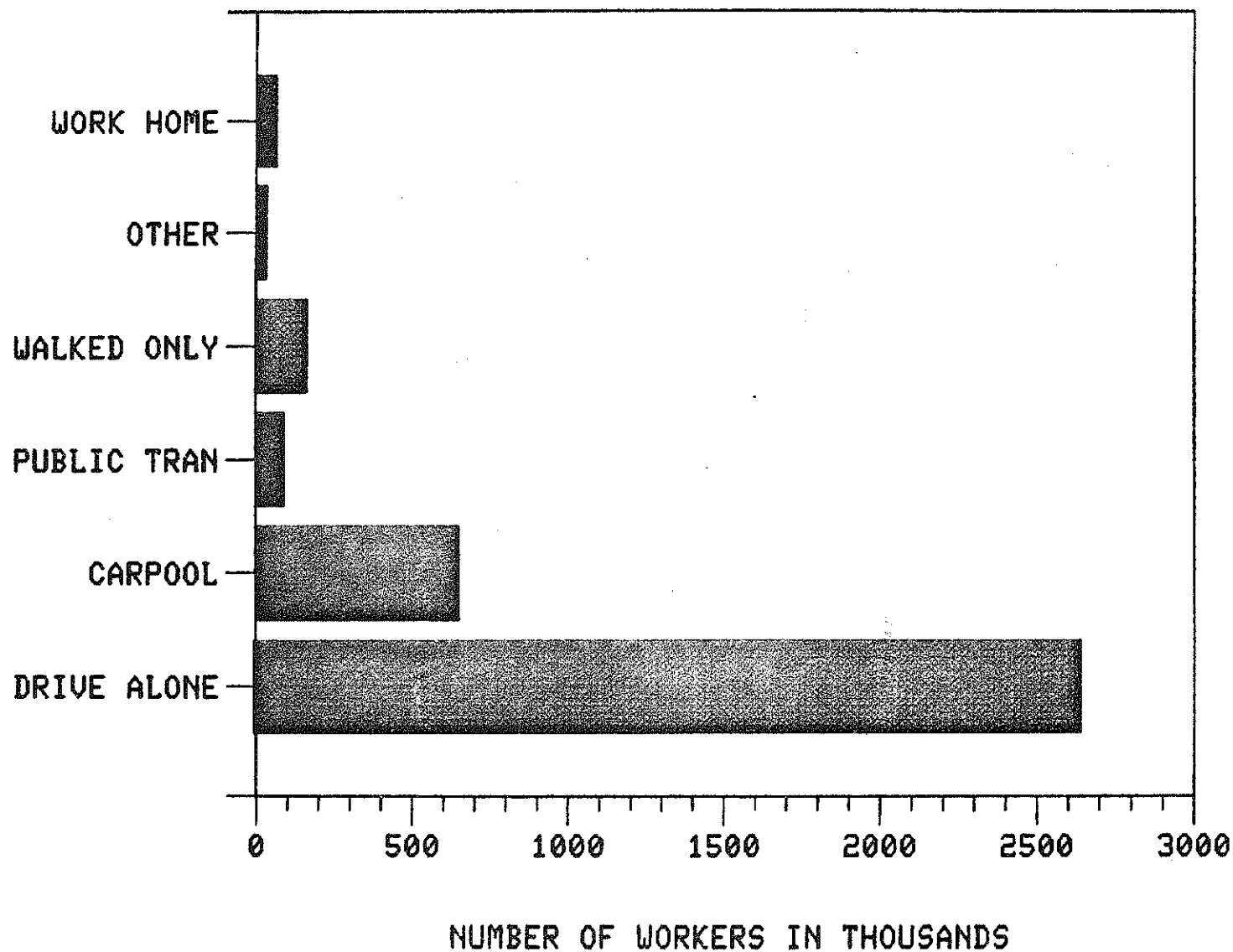
### Housing

|                      |                              |                    |
|----------------------|------------------------------|--------------------|
| SELECTED OWNER COSTS | SOURCE OF WATER              | TENURE             |
| VACANCY STATUS       | HOUSE HEATING FUEL           | RENT               |
| FARM RESIDENCE       | NUMBER VEHICLES<br>AVAILABLE | UNITS<br>STRUCTURE |
| YEAR STRUCTURE BUILT |                              |                    |

THE ABOVE CATEGORIES ARE SAMPLES TAKEN FROM THE COMPLETE FILE WHICH CONTAINS OVER 1,000 ITEMS.

Figure 2

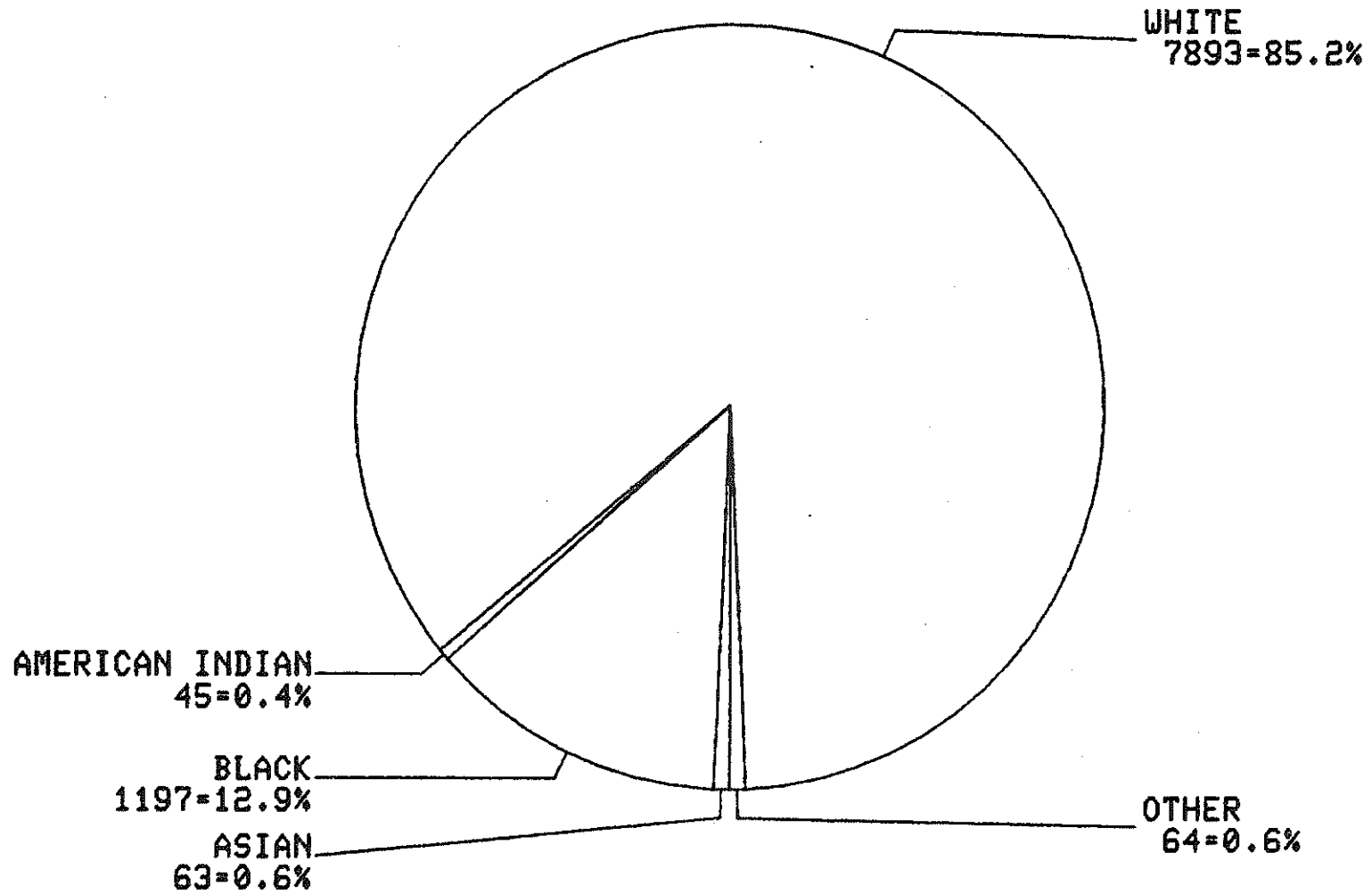
### MEANS OF TRANSPORTATION TO WORK IN MICHIGAN



Prepared by: *Transportation Planning Procedures Section, MDOT*  
Source: *1980 Census*  
Date: *July 1983*

Figure 3

**MICHIGAN RACE DISTRIBUTION  
NUMBER OF PERSONS IN THOUSANDS**

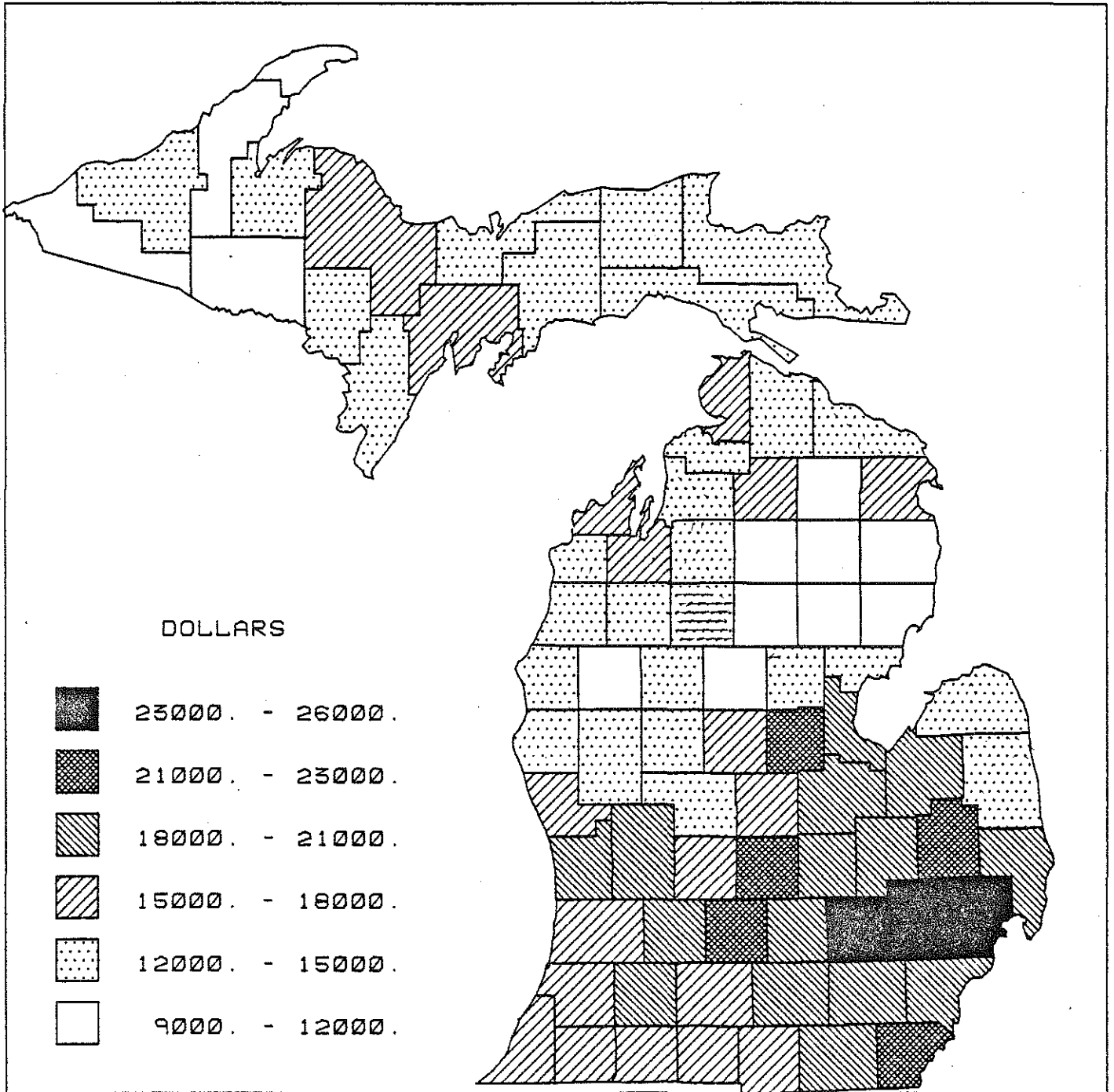


*Prepared by: Transportation Planning Procedures Section, MDOT*  
*Source: 1980 Census*  
*Date: July 1983*

Figure 4

# MEDIAN HOUSEHOLD INCOME

## COUNTY LEVEL



Prepared by: *Transportation Planning Procedures Section, MDOT*

Source: *1980 Census*

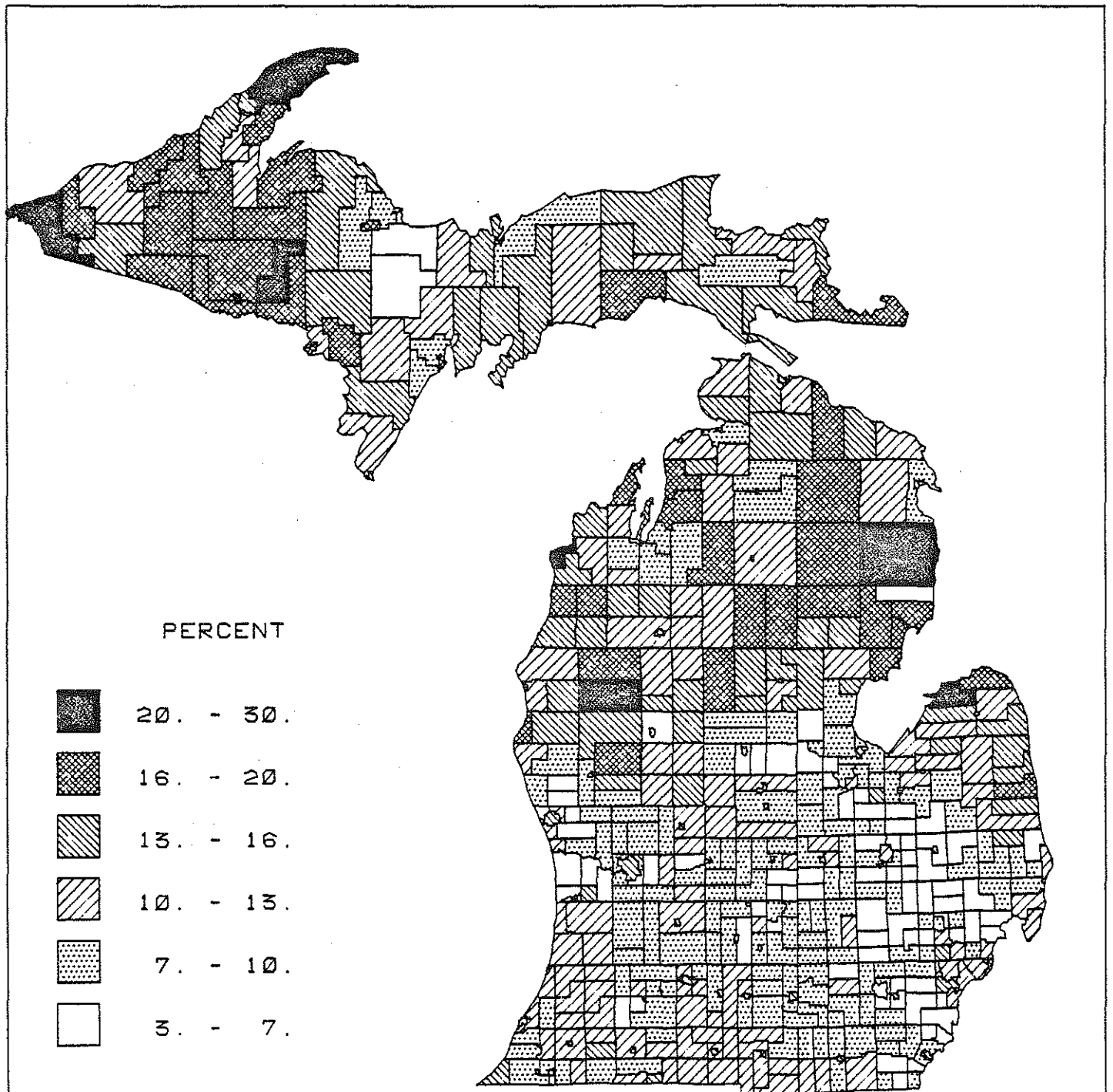
Date: *July 1983*



Figure 5

# PERCENT POPULATION 65 YEARS & OVER

547 ZONE LEVEL



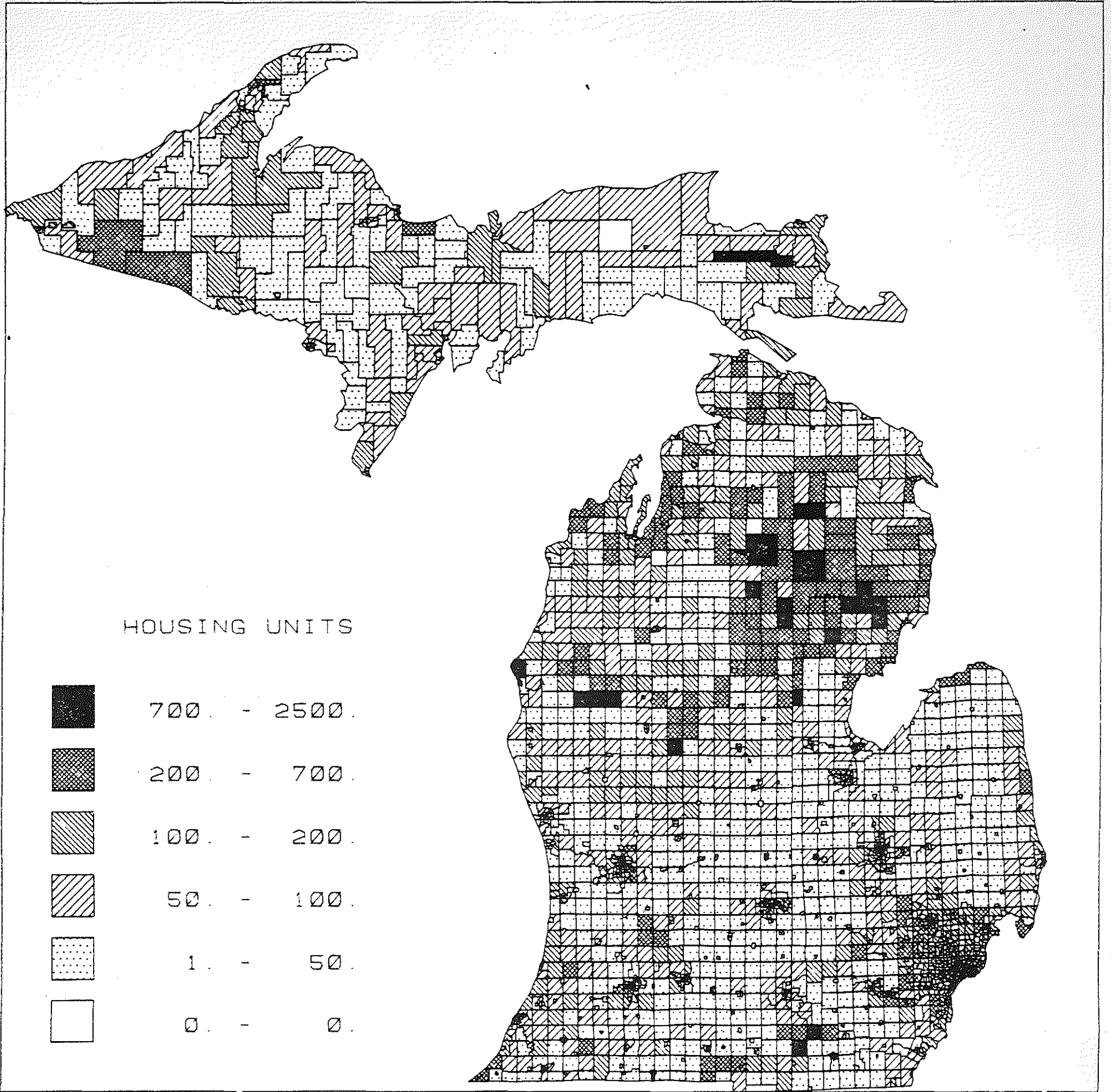
Prepared by: *Transportation Planning Procedures Section, MDOT*

Source: *1980 Census*

Date: *July 1983*

# VACANT HOUSING UNITS

2300 ZONE LEVEL



Prepared by: *Transportation Planning Procedures Section, MDOT*  
Source: *1980 Census*  
Date: *July 1983*