Wisconsin Legislative District Almanac

State of Wisconsin
Legislative Reference Bureau
Research Bulletin 04-1, April 2004

Wisconsin Legislative Reference Bureau
April 2004
ISBN 0-9752820-0-X

Front Cover: Wisconsin's 33 Senate Districts

Back Cover: Milwaukee Area Senate Districts

Wisconsin Legislative District Almanac

Preface
To the Second Edition

This is the second edition of the Legislative District Almanac published by the Legislative Reference Bureau. It is designed to provide legislators, other policy makers, and citizens with demographic data on Wisconsin's 33 state senate districts and 99 assembly districts. To make the information easier to use, we have added graphs and maps to the tables of the previous edition.

With the exception of a land use map based on data collected by the U.S. Department of Agriculture, data is derived from the 2000 United States Census taken on April 1, 2000. The legislative districts are those promulgated by the U.S. District Court for the Eastern District of Wisconsin on May 30, 2002 (*Baumgart v. Wendelberger*, No. 01-C-121). The districts are based on census blocks, but to protect citizens' privacy, some census information is available only at the block group level (about 100 blocks). As a result, it has been necessary to disaggregate and reaggregate the census data to create an approximation of the legislative districts. Statistics based on block groups should be regarded as estimates rather than as absolute numbers.

The data presented in this almanac represents a small portion of that collected by the U.S. Census Bureau. Users can find much more information on the U.S. Census Bureau's Internet site at http://www.census.gov. The raw data behind the graphs and maps, as well as more detailed data from the tables, will be made available through the Legislative Reference Bureau's Internet site. For the online version, go to http://www.legis.state.wi.us/lrb/pubs/almanac/. Please make requests for additional information to the Legislative Reference Bureau.

The almanac is divided into 33 chapters, one for each state senate district and the three assembly districts which comprise it. Each chapter begins with a district map indicating the counties and municipalities in the district. This map is followed by three thematic maps, seven tables, and two graphs. The maps provide a geographic display of each district's unemployment rate, median household income, and urban and rural land use. Tables provide information on race and ethnicity, industry and occupation, income, social security and public assistance, among other things. The graphs are visual representations of select data for age and educational attainment. Maps, tables, and graphs are presented in the same order for each district.

The appendix contains notes on the tables, a detailed description of the methodology used, and a glossary.

Tony Van Der Wielen and Dana Wolff of the Legislative Technology Services Bureau produced maps and disaggregated and reaggregated the Census data. This publication could not have been done without their contribution.

Prepared by: Elizabeth Mowery, Bonnie Reese Intern
A. Peter Cannon, Senior Legislative Analyst

TABLE OF CONTENTS

Preface i

Wisconsin Senate Districts Map 1

Legislative District Profiles - In Senate District Order 2

Political District *(Map)*

1. Race, Hispanic Origin, and Sex *(Table)*
2. Age *(Graph)*
3. Population in Group Quarters *(Table)*
4. Educational Attainment *(Graph)*
5. Employees by Industry *(Table)*
6. Occupation *(Table)*

Percent of Workforce Unemployed *(Map)*

7. Households with Social Security or Public Assistance Income *(Table)*
8. Value of Owner-Occupied Housing *(Table)*
9. Monthly Gross Rent *(Table)*

Median Household Income *(Map)*

Urban and Rural Land Use *(Map)*

Detail Maps: 266

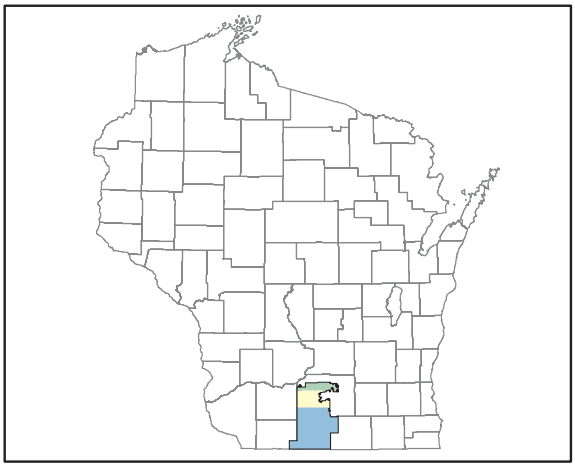
Assembly Districts; Madison Area; Milwaukee County; Waukesha County; Green Bay; Eau Claire; Waukesha; Sheboygan; Appleton

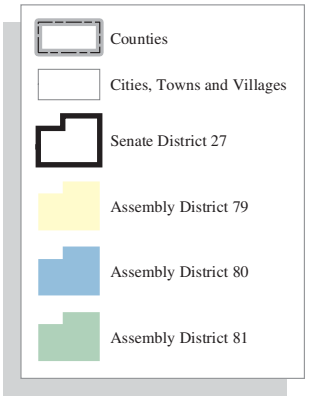
Appendix A: Methodology 277

Appendix B: Table Notes 278

Appendix C: Glossary 279

Senate District 27





0 3.5 7 14 Miles

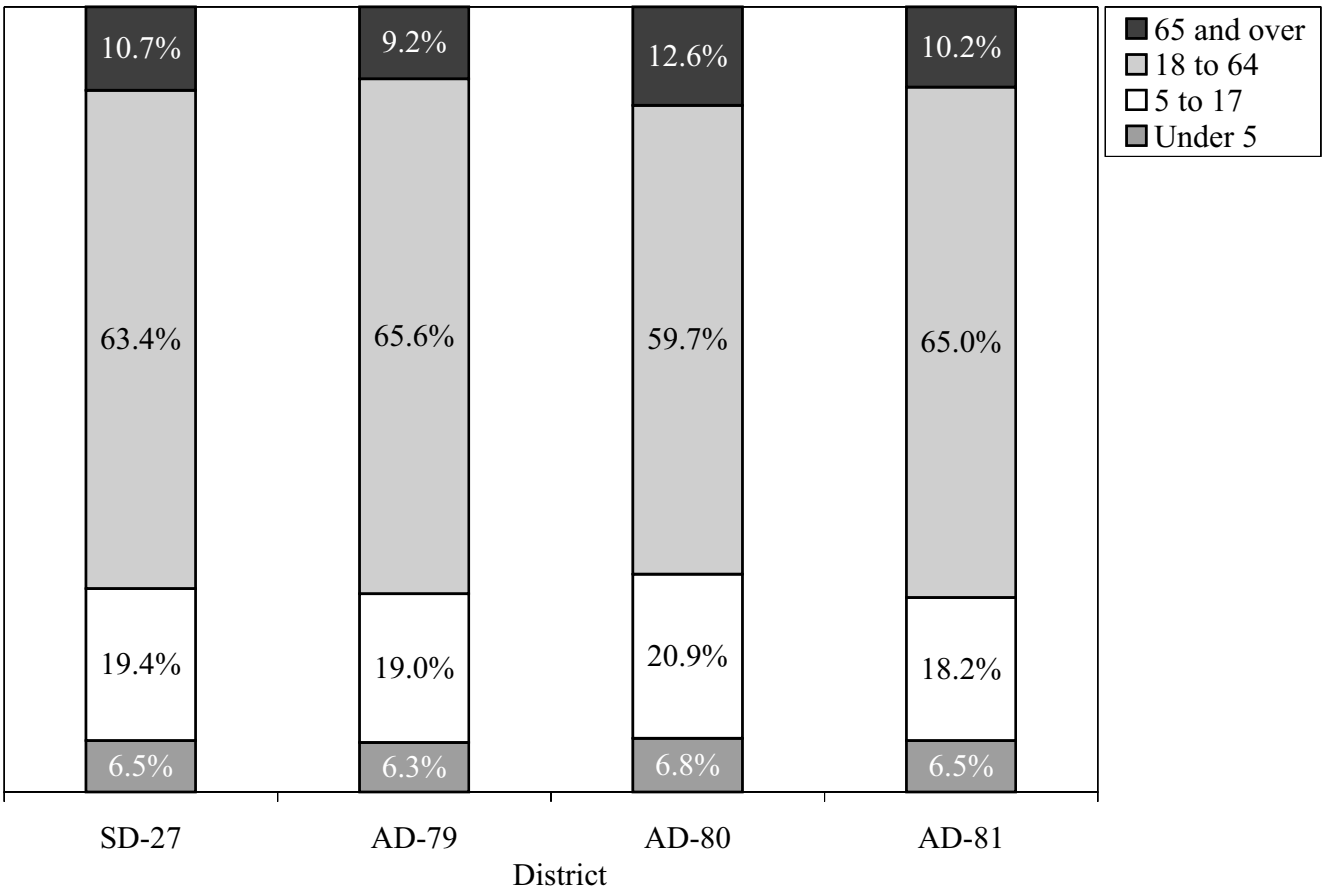
Mazomanie
BLACK EARTH
Black Earth
BERRY
81
SPRINGFIELD
Waunakee
WESTPORT
BURKE
Middleton ward 8
Cross Plains
MIDDLETON
Middleton wards 1, 5, 6, 7, 9
Madison 9, 16 –20, 22 –30
VERMONT
CROSS PLAINS
79
Madison wards 82, 83, 98, 99
Blue Mounds
Mount Horeb
DANE
SPRINGDALE
Verona
Fitchburg wards 5, 7–12
BLUE MOUNDS
VERONA
Oregon wards 1, 5 –8
PERRY
PRIMROSE
MONTROSE
OREGON
Belleville
Brooklyn
YORK
New Glarus
EXETER
BROOKLYN
UNION
NEW GLARUS
Evansville
Monticello
ALBANY
ROCK
ADAMS
WASHINGTON
MOUNT PLEASANT
Albany
MAGNOLIA
80
GREEN
JORDAN
MONROE
SYLVESTER
DECATUR
LAFAYETTE
Brodhead
Monroe
Browntown
South Wayne
WAYNE
CADIZ
CLARNO
JEFFERSON
SPRING GROVE

SENATE DISTRICT 27
ASSEMBLY DISTRICTS 79, 80, AND 81

1. Race, Hispanic Origin, and Sex

	SD-27	AD-79	AD-80	AD-81
White	150,329	49,842	52,675	47,812
Black	4,382	1,617	230	2,535
Asian	3,053	1,400	247	1,406
American Indian	751	221	232	298
Pacific Islander	37	24	5	8
Other	232	96	52	84
Multi-Racial	259	82	22	155
Hispanic	3,320	1,280	515	1,525
Male	80,387	27,186	26,708	26,493
Female	81,752	27,301	27,270	27,181
Total Population	162,363	54,562	53,978	53,823

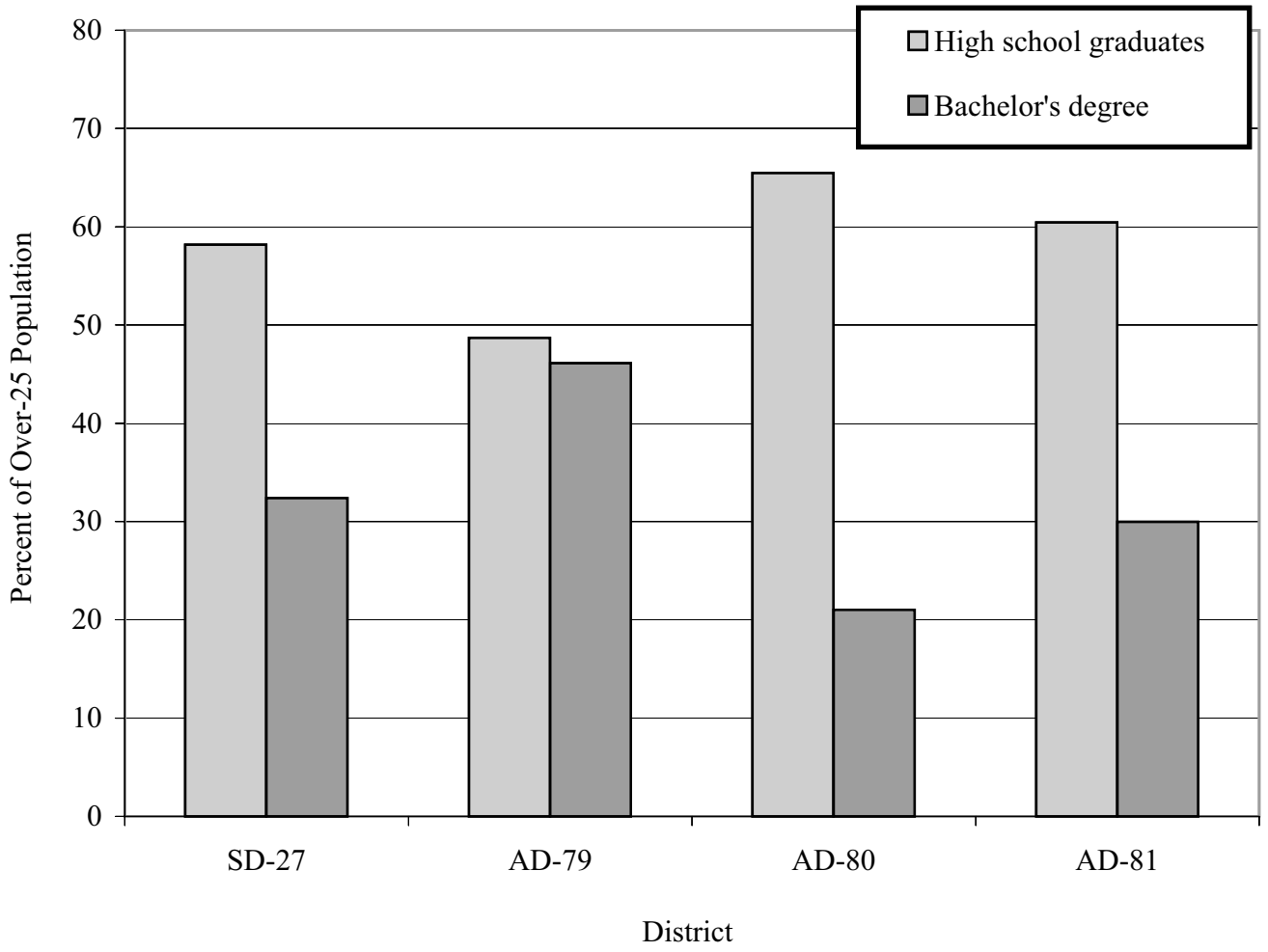
2. Age



3. Population in Group Quarters

	SD-27	AD-79	AD-80	AD-81
Institutionalized Population	2,337	1,041	411	885
Correctional facilities	754	705	49	0
Nursing homes	921	336	362	223
Other institutionalized	662	0	0	662
Noninstitutional Population	599	245	224	130
College dormitories	0	0	0	0
Military quarters	0	0	0	0
Other noninstitutionalized	599	245	224	130

4. Educational Attainment

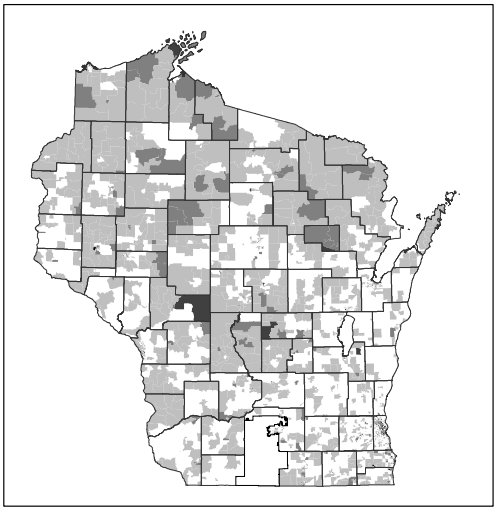


5. Employees by Industry

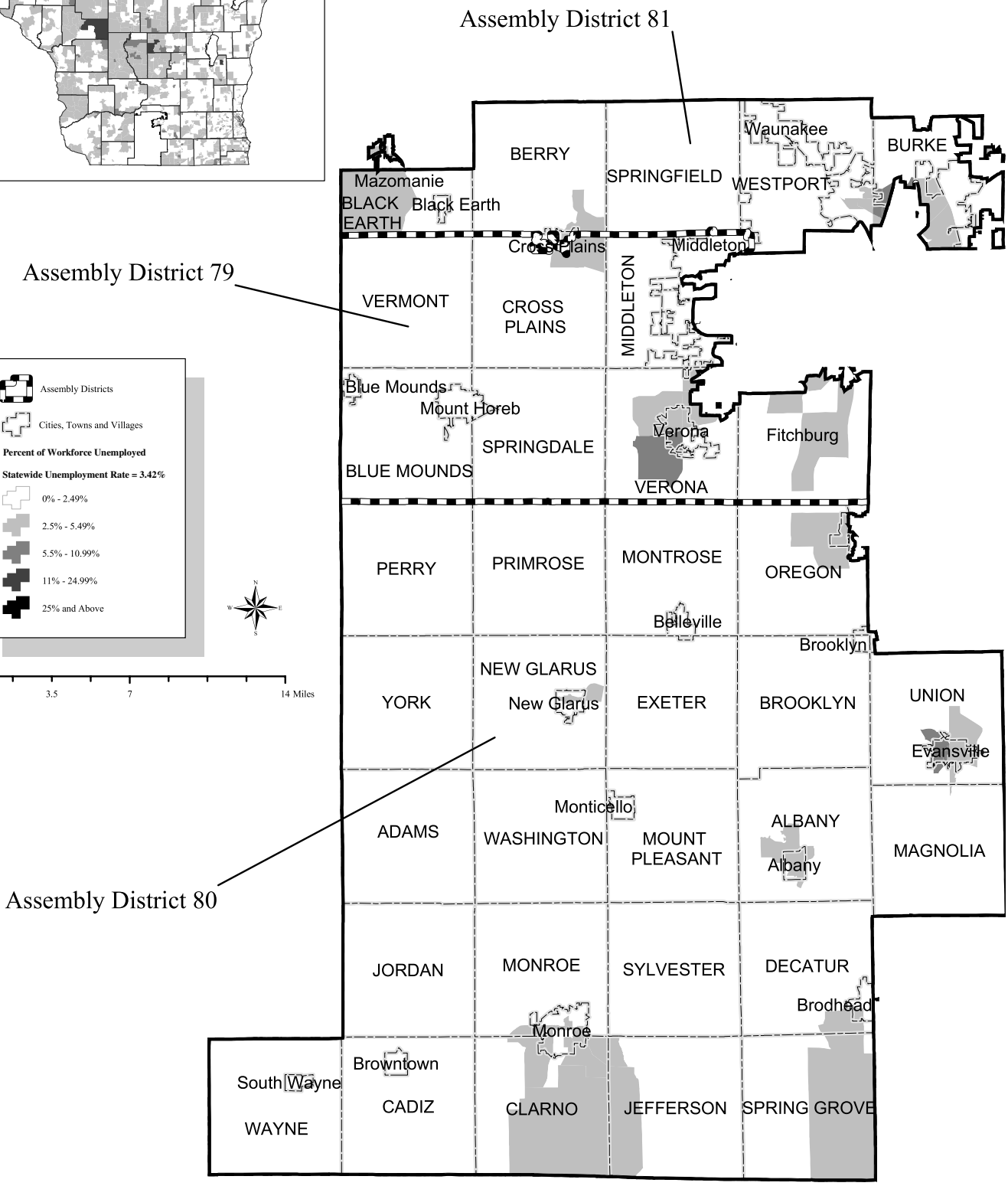
	SD-27	AD-79	AD-80	AD-81
Agriculture, forestry, fishing, hunting, mining	2,714	373	1,947	394
Construction	6,222	1,922	2,071	2,229
Manufacturing	12,934	3,055	5,851	4,028
Wholesale trade	2,743	960	995	788
Retail trade	11,023	3,775	3,871	3,377
Transportation, warehousing, utilities	3,018	779	1,254	985
Information	15,677	4,015	6,846	4,816
Finance, insurance, real estate	8,760	3,505	1,853	3,402
Professional, management, administrative	7,982	3,521	1,743	2,718
Educational, health, social services	19,849	7,867	5,598	6,384
Entertainment, accommodation, food services	4,851	1,642	1,330	1,879
Other services (except public administration)	3,778	1,350	1,053	1,375
Public administration	5,617	2,063	1,214	2,340

6. Occupation

	SD-27	AD-79	AD-80	AD-81
Management, professional	36,820	15,381	9,383	12,056
Service	10,582	3,282	3,572	3,728
Sales, office	24,314	8,715	7,101	8,498
Farming, fishing, forestry	783	84	592	107
Construction, extraction, maintenance	8,022	2,146	3,101	2,775
Production, transportation, material moving	11,442	2,297	5,546	3,599



Percent of Workforce Unemployed
Senate District 27



7. Households with Social Security or Public Assistance Income

	SD-27	AD-79	AD-80	AD-81
With Social Security	13,574	3,659	5,290	4,625
Without Social Security	50,727	18,056	15,338	17,333
With Public Assistance	768	185	289	294
Without Public Assistance	63,527	21,525	20,339	21,663
Total Households	64,293	21,715	20,621	21,957

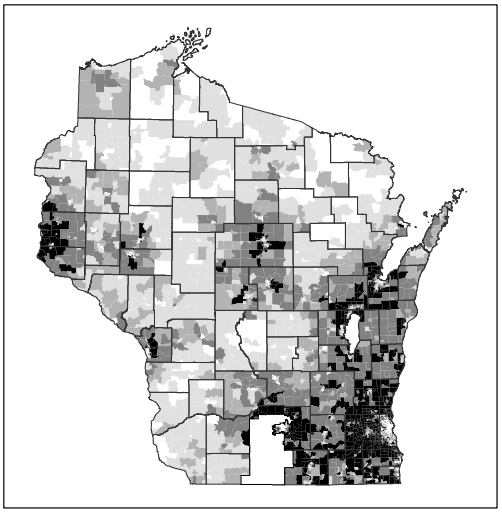
8. Value of Owner-Occupied Housing

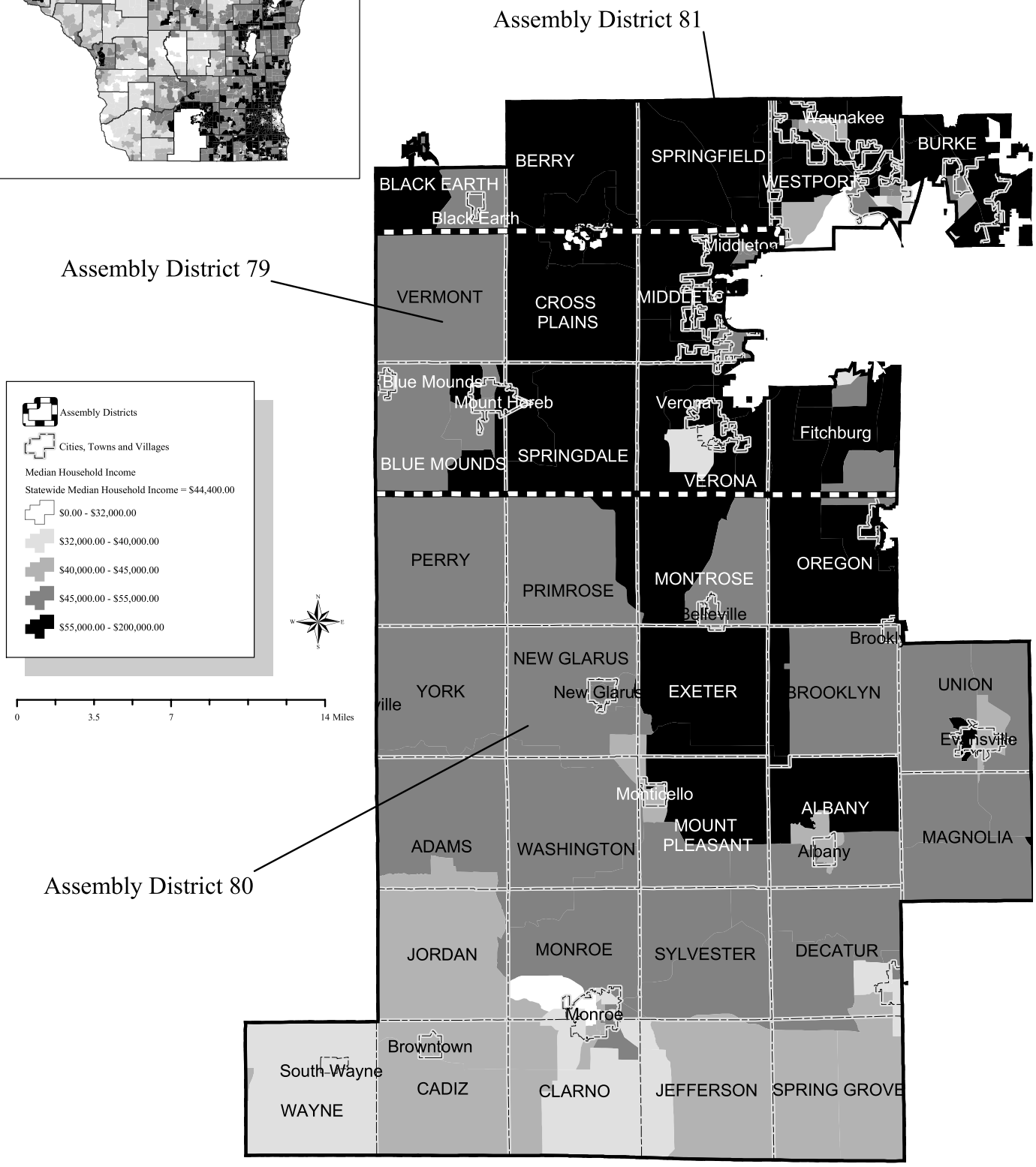
	SD-27	AD-79	AD-80	AD-81
Less than $40,000	1,249	183	692	374
$40,000 to $59,999	911	61	803	47
$60,000 to $79,999	2,108	180	1,621	307
$80,000 to $99,999	4,473	463	2,795	1,215
$100,000 to $149,999	14,059	3,497	4,769	5,793
$150,000 to $199,999	9,975	3,910	2,614	3,451
Over $199,999	9,565	4,837	2,228	2,500
Total owner-occupied units	42,340	13,131	15,522	13,687

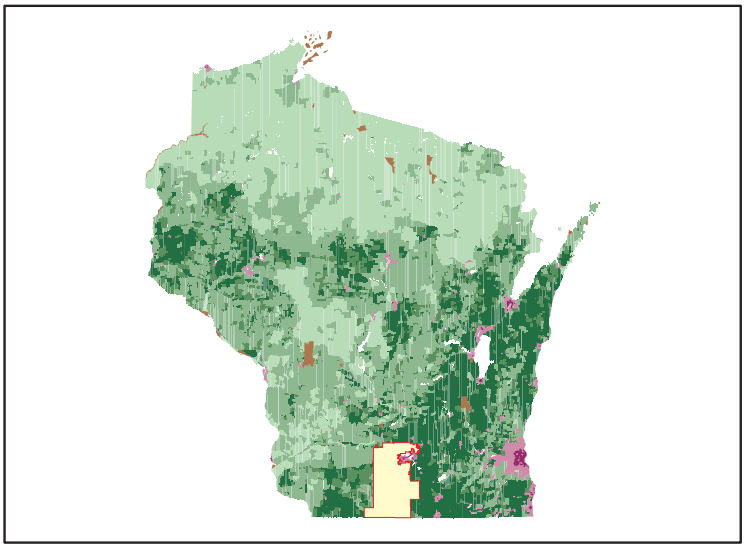
9. Monthly Gross Rent

	SD-27	AD-79	AD-80	AD-81
Less than $200	632	154	251	227
$200 to $399	1,701	309	997	395
$400 to $599	5,498	1,682	1,792	2,024
$600 to $799	7,193	3,364	963	2,866
$800 to $999	3,321	1,516	202	1,603
$1,000 to $1,499	1,374	725	93	556
$1,500 to $1,999	115	101	7	7
Over $1,999	88	49	0	39
Total rental units	19,922	7,900	4,305	7,717

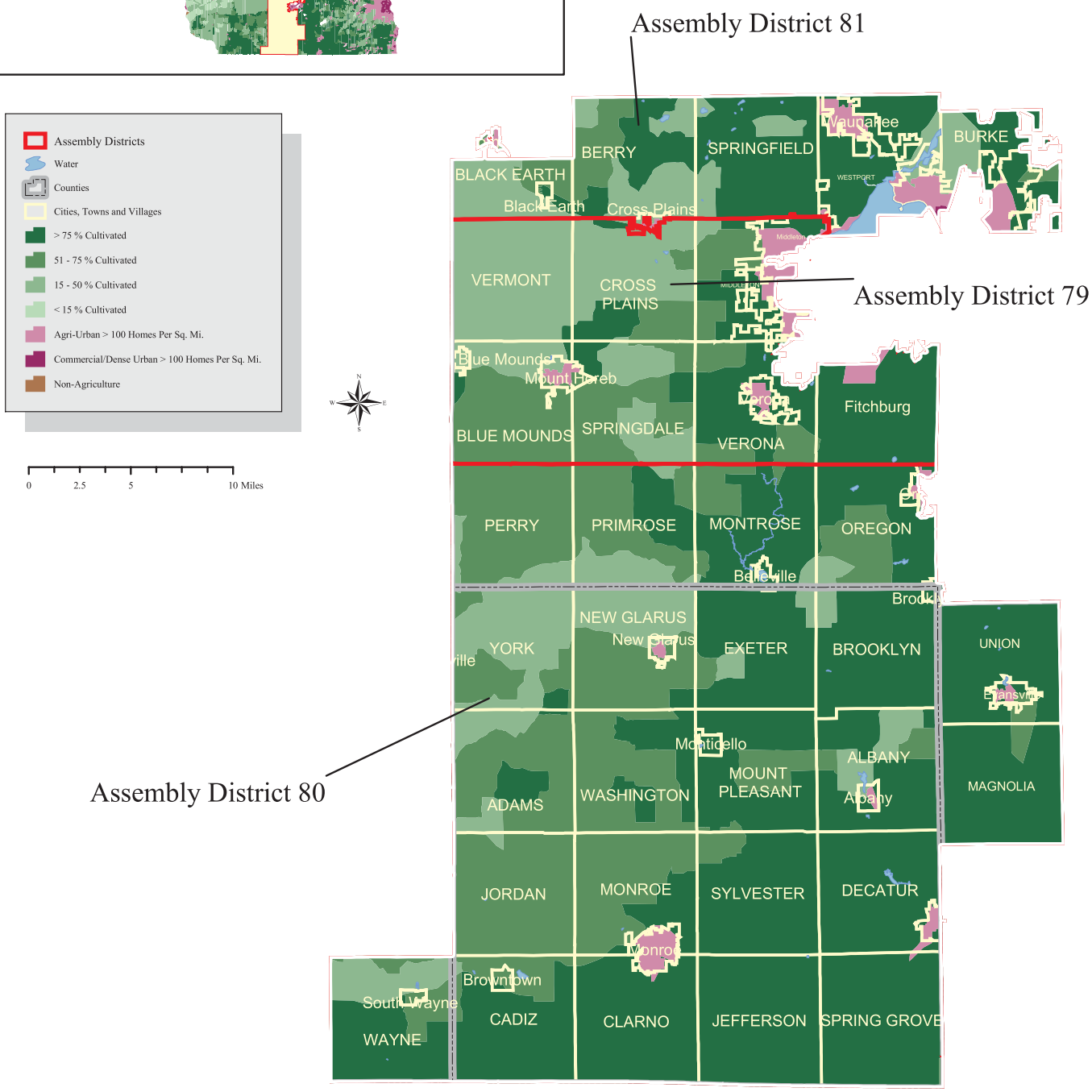
Median Household Income
Senate District 27







Urban and Rural Land Use Senate District 27



APPENDICES

APPENDIX A: Methodology

Data on age, gender, and race is derived from the U.S. Census Bureau Summary File (SF) 1 dataset. Data from SF 1 is gathered from all inhabitants at the block level, the lowest level at which the Census Bureau collects data. It is the most accurate data available and matches legislative districts most closely. Census Bureau block boundaries reflect municipal boundaries as of January 1, 2000. Wisconsin municipalities used their boundaries as of August 1, 2001, when creating the wards used to form legislative districts. Some municipal boundaries changed between those two dates because of annexation or detachment of territory. Where annexations did not include whole census blocks, municipalities provided estimates of the population of each part of the split census block. Because of this, population figures may not precisely match population figures from other sources. Populations involved were small, and most districts are comprised of entire census blocks.

Data on employment, income, and housing is derived from the U.S. Census Bureau SF 3 dataset. SF 3 data is based on samples of the population and, as such, is subject to sampling error. Samples are selected in each county without regard to municipal boundaries and are less accurate for any unit smaller than a county. In addition, the Census Bureau provides the estimates of data in SF 3 only at the "block group" level. There is no intrinsic relationship between block groups and legislative districts. Block group data therefore presents problems that block level data does not. We disaggregated the block group data, assigning a portion of the block group total to each block in the block group. We then reaggregated the blocks to match legislative districts. Disaggregation assumes that the entire population of a block group is homogeneous and all values are evenly distributed. This is not, however, always the case and, as a result, figures based on block group level data should be regarded as estimates rather than as absolute numbers. Because of these factors, small differences between legislative districts should be taken to indicate that the districts are similar rather than that they are absolutely larger or smaller.

The land use maps are based on data obtained from the National Agricultural Statistics Service (NASS) of the U.S. Department of Agriculture. The agency's area sampling frame is a delineation of all parcels of land for the purpose of later sampling the parcels. The area frame is constructed by visually interpreting satellite imagery to divide a state into homogeneous land use areas (strata) based on percent cultivated. The strata are typically defined as low, medium, or high percent cultivated, non-agricultural land, urban use, agri-urban, or water. The boundaries of the strata usually follow identifiable features such as roads, railroads, and waterways. The strata boundaries do not coincide with any political boundaries, with the exception of state boundaries. The agri-urban and commercial/dense urban classifications show the density of settlement and development for urban areas. Both categories identify areas with more than 100 homes per square mile. See the NASS Internet site at: http://www.nass.usda.gov/research/wi_strata.htm for more information.

APPENDIX B: Table Notes

1. **Race and Ethnicity:** Racial categories are based on U.S. Department of Justice guidelines published in the Federal Register of January 18, 2001. For the first time, the 2000 census respondents could choose more than one race. Anyone who checked "white" and a second race was allocated to the second race they chose in their response. Thus, the totals for "Asian" include all who responded "Asian" and all who responded as both "White" and "Asian." The Multi-Racial category is comprised of those who listed more than two races and those who listed two races where neither race was "White." Hispanic is an ethnic classification rather than a racial classification under the guidelines of the Census Bureau and is therefore a separate consideration from race. Although all those identifying themselves as Hispanic also listed themselves as some race or races, our tables list them separately and Hispanics are not included in the data by race. Source: U.S. Census Bureau P.L. 94-171 Redistricting Data.

3. **Population in Group Quarters:** This table does not present an exhaustive list of group living situations. Rather it presents the most common group quarters categories for which the Census Bureau gathers statistics.

4. **Educational Attainment**: The bar labeled "High School Graduate" includes those who have a high school degree, or equivalent, and individuals who attended some college including those who received an associate degree. The bar labeled "Bachelor's degree" includes all those who have advanced and professional degrees as well as a bachelor's degree.

7. **Households with Social Security or Public Assistance Income:** Two separate questions were asked and not all households answered either question. The bottom line, "Total households" includes an estimate of all the households in the district, not the sum of those who answered either question.

Map Notes

Median Household Income in 1999 and Percent of Labor Force Unemployed: Each block group in the state is shaded based on the quintile into which it falls. Quintiles may not be evenly distributed within an individual legislative district. In addition to looking at the data displayed, users may wish to evaluate whether the portion of a block group outside the legislative district is similar in composition to the part which is within the district.

Urban and Rural Land Use: Land use areas (strata) boundaries do not coincide with any political boundaries, with the exception of state boundaries. Some municipality labels may be missing from this map.

APPENDIX C: Glossary

The following definitions are those used by the U.S. Census Bureau in the 2000 Census of the United States.

Agri-urban: As defined by the U.S. Department of Agriculture; land that contains greater than 100 homes per square mile and is less than 15 percent cultivated.

Block: A "block" is the smallest census area. It covers an area bounded by physical or political features, such as roads, rivers, or municipal boundaries. In urban areas, a census block is usually a city block. In rural areas the census block can be much larger. Average population for a block is about 70 people.

Block Group: A "block group" is a cluster of blocks that have the same first digit in their 4-digit identifying numbers.

Commercial/Dense Urban: As defined by the U.S. Department of Agriculture; contains greater than 100 homes per square mile in the city center with 0 percent cultivation.

Educational Attainment: Refers to the highest level of education completed in terms of the highest degree or the highest level of schooling completed.

Employed: Employed includes all civilians 16 years old and over who were either (1) "at work" — those who did any work at all during the reference week as paid employees, worked in their own business or profession, worked on their own farm, or worked 15 hours or more as unpaid workers on a family farm or in a family business; or (2) were "with a job but not at work" — those who did not work during the reference week but had jobs or businesses from which they were temporarily absent due to illness, bad weather, industrial dispute, vacation, or other personal reasons. Excluded from the employed are people whose only activity consisted of work around the house or unpaid volunteer work for religious, charitable, and similar organizations; also excluded are people on active duty in the United States Armed Forces. The reference week is the calendar week preceding the date on which the respondents completed their questionnaires or were interviewed. This week may not be the same for all respondents.

Gross Rent: The amount of the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water and sewer) and fuels (oil, coal, kerosene, wood, etc.) if these are paid for by the renter (or paid for the renter by someone else). Gross rent is intended to eliminate differentials which result from varying practices with respect to the inclusion of utilities and fuels as part of the rental payment.

Household: A "household" includes all persons who occupy a housing unit, i.e., a house, an apartment, a mobile home, a group of rooms, or a single room that is occupied as separate living quarters. The occupants may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated persons who share living arrangements.

Income: "Total income" is the sum of the amounts reported separately for wages, salary, commissions, bonuses, or tips; self-employment income from own nonfarm or farm businesses,

including proprietorships and partnerships; interest, dividends, net rental income, royalty income, or income from estates and trusts; Social Security or Railroad Retirement income; Supplemental Security Income (SSI); any public assistance or welfare payments from the state or local welfare office; retirement, survivor, or disability pensions; and any other sources of income received regularly such as Veterans' (VA) payments, unemployment compensation, child support, or alimony.

Labor Force: The labor force includes all people classified in the civilian labor force, plus members of the U.S. Armed Forces (people on active duty with the United States Army, Air Force, Navy, Marine Corps, or Coast Guard). The civilian labor force consists of people classified as employed or unemployed.

Noninstitutionalized Group Quarters Population: Includes all people who live in group quarters other than institutions. Examples: college dormitories, rooming houses, religious group homes, communes, and halfway houses.

Occupation: Occupation describes the kind of work the person does on the job. For employed people, the data refer to the person's job during the reference week. For those who worked at two or more jobs, the data refer to the job at which the person worked the greatest number of hours.

Poverty Status: The Census Bureau uses a set of money income thresholds that vary by family size and composition to detect who is poor. If the total income for a family or unrelated individual falls below the relevant poverty threshold, then the family or unrelated individual is classified as being "below the poverty level."

Quintile: Any of the five values that divide the items of a frequency distribution into five classes, with each one containing one fifth of the total population.

Unemployed: All civilians 16 years old and over are classified as unemployed if they (1) were neither "at work" nor "with a job but not at work" during the reference week, (2) were actively looking for work during the last four weeks, and (3) were available to accept a job. Also included as unemployed are civilians who did not work at all during the reference week, were waiting to be called back to a job from which they had been laid off, and were available for work except for temporary illness.

Source: U.S. Census Bureau.