



Thirty-ninth annual report. July 2000

Waukesha, Wisconsin: Southeastern Wisconsin Regional Planning Commission, July 2000

<https://digital.library.wisc.edu/1711.dl/FXDZJQLGEWRAQ8E>

<http://rightsstatements.org/vocab/InC/1.0/>

The libraries provide public access to a wide range of material, including online exhibits, digitized collections, archival finding aids, our catalog, online articles, and a growing range of materials in many media.

When possible, we provide rights information in catalog records, finding aids, and other metadata that accompanies collections or items. However, it is always the user's obligation to evaluate copyright and rights issues in light of their own use.

1999 ANNUAL REPORT

**SOUTHEASTERN
WISCONSIN
REGIONAL
PLANNING
COMMISSION**

**SERVING THE COUNTIES OF
KENOSHA • MILWAUKEE • OZAUKEE • RACINE • WALWORTH • WASHINGTON • WAUKESHA**

**SOUTHEASTERN WISCONSIN
REGIONAL PLANNING COMMISSION**

KENOSHA COUNTY

Leon T. Dreger
Thomas J. Gorlinski
Sheila M. Siegler

RACINE COUNTY

Richard A. Hansen
Martin J. Itzin
Jean M. Jacobson,
Secretary

MILWAUKEE COUNTY

Daniel J. Diliberti
William R. Drew,
Vice Chairman
William Heinemann

WALWORTH COUNTY

Anthony F. Balestrieri
Allen L. Morrison,
Treasurer
Robert J. Voss

OZAUKEE COUNTY

Leroy A. Bley
Thomas H. Buestrin,
Chairman
Gus W. Wirth, Jr.

WASHINGTON COUNTY

Lawrence W. Hillman
Daniel S. Schmidt
Patricia J. Strachota

WAUKESHA COUNTY

Duane H. Bluemke
Robert F. Hamilton
Paul G. Vrakas

**SOUTHEASTERN WISCONSIN REGIONAL
PLANNING COMMISSION STAFF**

Philip C. Evenson, AICP Executive Director
Kenneth R. Yunker, PE Assistant Director
Nancy M. Anderson Chief Community Assistance Planner
Robert E. Beglinger Chief Transportation Engineer
Robert P. Biebel, PE, PH Chief Environmental Engineer
Leland H. Kreblin, RLS Chief Planning Illustrator
Elizabeth A. Larsen Administrative Officer
John G. McDougall Geographic Information Systems Manager
John R. Meland Chief Economic Development Planner
Donald M. Reed Chief Biologist
William J. Stauber, AICP Chief Land Use Planner

THIRTY-NINTH ANNUAL REPORT

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Commission Offices
P.O. Box 1607
Old Courthouse
916 N. East Avenue
Waukesha, Wisconsin 53187-1607

Telephone (262) 547-6721
Fax (262) 547-1103

The preparation of this publication was financed in part through planning funds provided by the Wisconsin Department of Transportation; the Wisconsin Department of Natural Resources; and the U.S. Department of Transportation, Federal Highway and Federal Transit Administrations.

July 2000

Graduate Research Center
Dept. of Urban & Regional Planning
The University of Wisconsin
Music Hall, 925 Bascom Mall
Madison, Wisconsin 53706

Inside Region \$2.00
Outside Region \$4.00

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

916 N. EAST AVENUE • P.O. BOX 1607 • WAUKESHA, WISCONSIN 53187-1607 • **TELEPHONE (262) 547-6721**
FAX (262) 547-1103

Serving the Counties of: KENOSHA
MILWAUKEE
OZAUKEE
RACINE
WALWORTH
WASHINGTON
WAUKESHA



July 10, 2000

TO: The Wisconsin Legislature and the Legislative Bodies of the Local Governmental Units within the Southeastern Wisconsin Region

In accordance with the requirements of Section 66.945(8)(b) of the Wisconsin Statutes, this Commission each calendar year prepares and certifies an annual report to the Wisconsin Legislature and to the legislative bodies of the constituent county and local units of government within the Region. This, the 39th annual report of the Commission, summarizes the work of the Commission in calendar year 1999 and contains a statement of the financial position of the Commission as of the end of that year, as certified by an independent auditor.

While the Commission annual report is prepared to meet the legislative requirement noted above, this document also serves as an annual report to the State and Federal agencies that fund several aspects of the Commission's work program. Importantly, the annual report is intended to provide county and local public officials and other interested citizens with a comprehensive overview of current and proposed Commission activities, thereby providing a focus for the active participation of those officials and citizens in regional plan preparation and implementation.

As do past annual reports, this report contains much useful information on development trends in the Region. This report also summarizes the progress made during 1999 by the Commission in carrying out its three basic functions: data collection and dissemination, regional plan preparation, and promotion of plan implementation.

During 1999, the Commission continued its efforts to implement the fourth-generation, design year 2020 regional land use and regional transportation system plans, both adopted in 1997. As part of its efforts to refine, detail, and extend the comprehensive plan for the Region, the Commission in 1999 adopted an updated short-range transit system development plan for the Kenosha area.

The Commission also continued its efforts toward full development of a computerized regional geographic information system. In companion efforts, the Commission continued to work with county and local governments throughout the Region toward building computerized land information systems integrated with the regional system.

At year's end, the Commission was continuing work on the preparation of a comprehensive watershed plan for the Des Plaines River watershed, as well as its ongoing work on various county- and local-level planning efforts.

The Commission hopes that the constituent units and agencies of government concerned are pleased with its work during 1999. The Commission looks forward to continuing to serve its constituent counties and local units of government, as well as the State and Federal agencies concerned, by providing the planning services required to address the areawide environmental and developmental problems facing Southeastern Wisconsin and by promoting the intergovernmental cooperation needed to resolve those problems.

Very truly yours,

Thomas H. Buestein
Chairman

TABLE OF CONTENTS

	Page		Page
ABOUT THE COMMISSION.....	1	ECONOMIC DEVELOPMENT ASSISTANCE DIVISION.....	107
THE EVOLVING COMPREHENSIVE PLAN FOR THE REGION.....	9	COMMUNITY ASSISTANCE PLANNING DIVISION	115
LAND USE PLANNING DIVISION	25	CARTOGRAPHIC AND GRAPHIC ARTS DIVISION	119
TRANSPORTATION PLANNING DIVISION	47	GEOGRAPHIC INFORMATION SYSTEMS DIVISION.....	129
ENVIRONMENTAL PLANNING DIVISION	85	ADMINISTRATIVE SERVICES DIVISION.....	135

LIST OF APPENDICES

Appendix		Page
A	Southeastern Wisconsin Regional Planning Commission Commissioners and Committees: 1999	139
B	Commission Advisory Committees: 1999.....	141
C	Southeastern Wisconsin Regional Planning Commission Staff: 1999.....	147
D	Publications of the Southeastern Wisconsin Regional Planning Commission: 1962-December 1999.....	149
E	Report of Audit Examination for Year Ending 1999.....	179

ABOUT THE COMMISSION

AUTHORITY

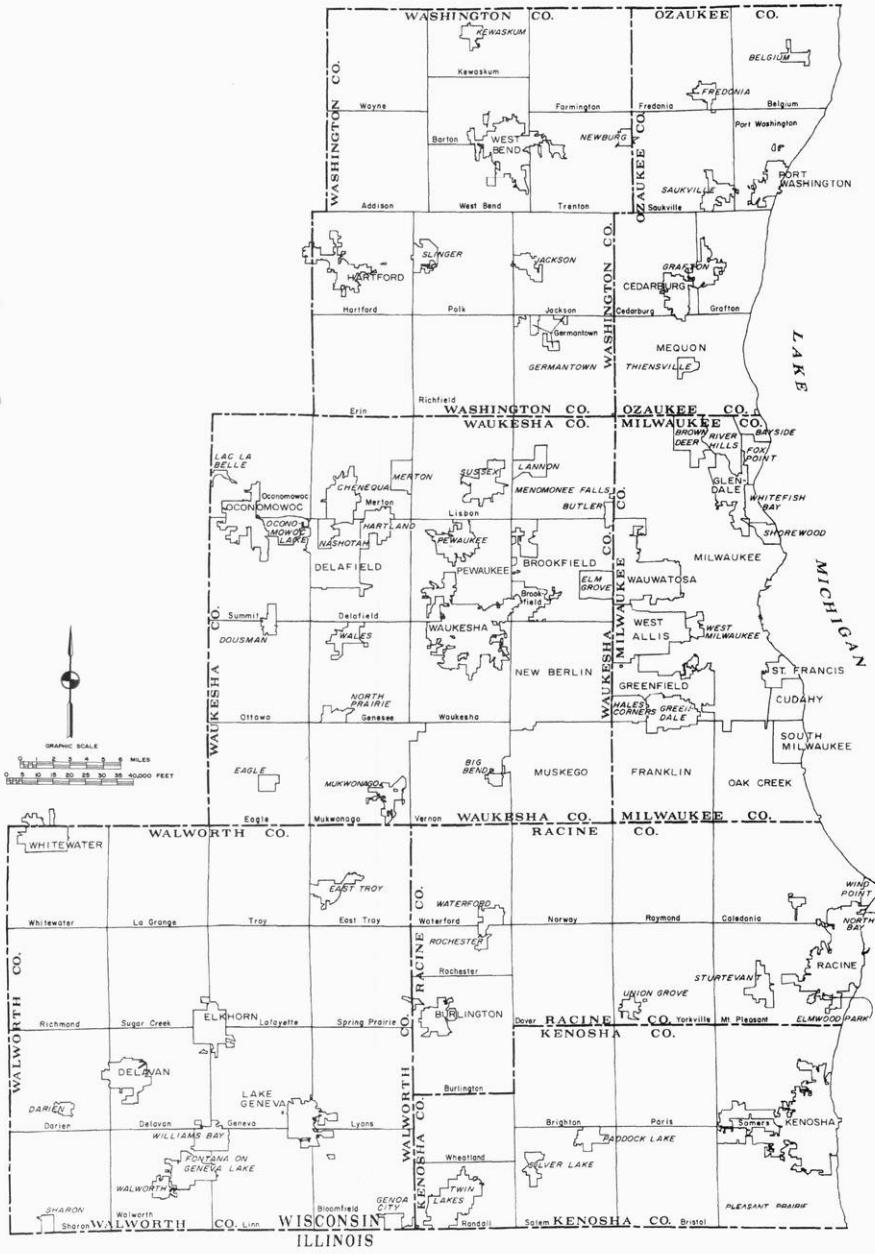
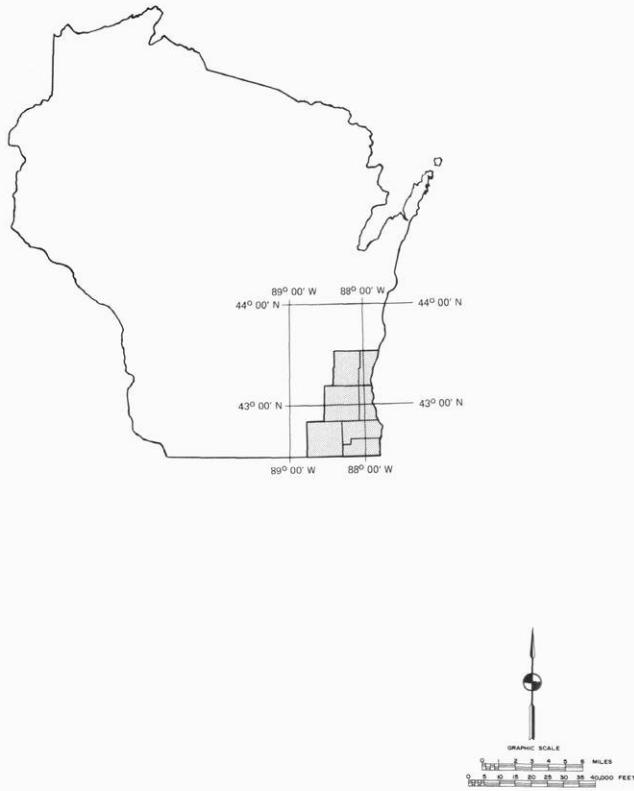
The Southeastern Wisconsin Regional Planning Commission was established in 1960 under Section 66.945 of the Wisconsin Statutes as the official areawide planning agency for the highly urbanized southeastern region of the State. The Commission was created to provide the basic information and planning services necessary to solve problems which transcend the corporate boundaries and fiscal capabilities of the local units of government comprising the Southeastern Wisconsin Region.

AREA SERVED

The Commission serves the Southeastern Wisconsin Region, which consists of the seven counties of Kenosha, Milwaukee, Ozaukee, Racine, Walworth, Washington, and Waukesha (see Map 1). These seven counties have an area of about 2,689 square miles, or about 5 percent of the total area of the State. These counties, however, have a resident population of 1.92 million persons, or about 36 percent of the total population of the State. The seven counties provide about 1.23 million jobs, or about 38 percent of the

Map 1

THE SOUTHEASTERN WISCONSIN REGION



total employment of the State, and contain real property worth about \$99.9 billion as measured in equalized valuation, or about 37 percent of all the tangible wealth of the State as measured by such valuation. There are 154 general-purpose local units of government in the seven-county Region, all of which participate in the work of the Commission.

BASIC CONCEPTS

Regional, or areawide, planning has become increasingly accepted as a necessary governmental function in the large metropolitan areas of the United States. This acceptance is based, in part, on a growing awareness that problems of physical and economic development and of environmental deterioration transcend the geographic limits and fiscal capabilities of local units of government and that sound resolution of these problems requires the cooperation of all units and agencies of government concerned and of private interests as well.

As used by the Commission, the term "region" means an area larger than a county but smaller than a state, united by economic interests, geography, and common developmental and environmental problems. A regional basis is necessary to provide a meaningful technical approach to the proper planning and design of such systems of public works as highway and transit and sewerage and water supply, and of park and open space facilities. A regional basis is also essential to provide a sound approach to the resolution of such environmental problems as flooding, air and water pollution, natural resource base deterioration, and changing land use.

Private as well as public interests are vitally affected by these kinds of areawide problems and by proposed solutions to these problems, and it appears neither desirable nor possible for any one level or agency of government to impose the decisions required to resolve these kinds of problems. Such decisions can better come from consensus among the public and private interests concerned, based on a common interest in the welfare of the entire Region. Regional planning is necessary to promote this consensus and the necessary cooperation among urban and rural, local, State, and Federal, and public and private interests. In this light, regional planning is not a substitute for Federal, State, or local public planning or for private planning. Rather, regional planning is a vital supplement to such planning.

COMMISSION OFFICES OLD COURTHOUSE WAUKESHA COUNTY



The work of the Regional Planning Commission is advisory in nature. Therefore, the regional planning program in Southeastern Wisconsin has emphasized the promotion of close cooperation among the various governmental agencies concerned with land use development and with the development and operation of supporting public works facilities. The Commission believes that the highest form of areawide planning combines accurate data and competent technical work with the active participation of knowledgeable and concerned public officials and private citizens in the formulation of plans that address clearly identified problems. Such planning is intended to lead not only to a more efficient regional development pattern but also to a more desirable environment in which to live and work.

BASIC FUNCTIONS

The Commission conceives regional planning as having three basic functions. The first involves the collection, analysis, and dissemination of basic planning and engineering data on a uniform, areawide basis in order that better development decisions can be made in both the public and private sectors. The Commission believes that the establishment and

utilization of such data can in and of itself contribute to better development decision making within the Region. The second function involves the preparation of a framework of long-range areawide plans for the physical development of the Region. This function is mandated by State enabling legislation. While the scope and content of these plans can extend to all phases of regional development, the Commission believes that emphasis should be placed on the preparation of plans for land use and supporting transportation, utility, and community facilities. The third function involves the provision of a center for the coordination of day-to-day planning and plan implementation activities of all of the units and levels of government operating within the Region. Through this function, the Commission seeks to integrate regional and local plans and planning efforts and thereby to promote regional plan implementation.

ORGANIZATION

The Commission consists of 21 members, three from each of the seven member counties. One Commissioner from each county is appointed or, in those counties where a county executive appoints, confirmed by the county board and is usually an elected county board supervisor. The remaining two from each county are appointed by the Governor, one from a list prepared by the county.

The Commission, as a body, is responsible for establishing overall policy, adopting the annual budget, and adopting regional plan elements. The Commission has four standing committees: Executive, Administrative, Planning and Research, and Intergovernmental and Public Relations. The Executive Committee oversees the work effort of the Commission and is empowered to act for the Commission in all matters except the adoption of the budget and the adoption of regional plan elements. The Administrative Committee oversees the routine but essential housekeeping activities of the Commission. The Planning and Research Committee reviews all of the technical work carried out by the Commission staff and its consultants. The Intergovernmental and Public Relations Committee serves as the Commission's principal arm in communicating with the constituent county boards. Commission and committee rosters are set forth in Appendix A. The Commission is assisted in its work by a series of advisory committees. These committees include both elected and appointed public officials and interested citizens with knowledge in the Commission work areas. The

committees perform a significant function in both the formulation and the execution of the Commission work programs. Advisory committee rosters are set forth in Appendix B.

STAFFING

The Commission prepares an annual work program which is reviewed and approved by Federal and State funding agencies. This work program is then carried out by a core staff of full-time professional, technical, administrative, and clerical personnel, supplemented by additional temporary staff and consultants as required by the various work programs under way. At the end of 1999, the Commission staff totaled 81, including 77 full-time and four part-time employees.

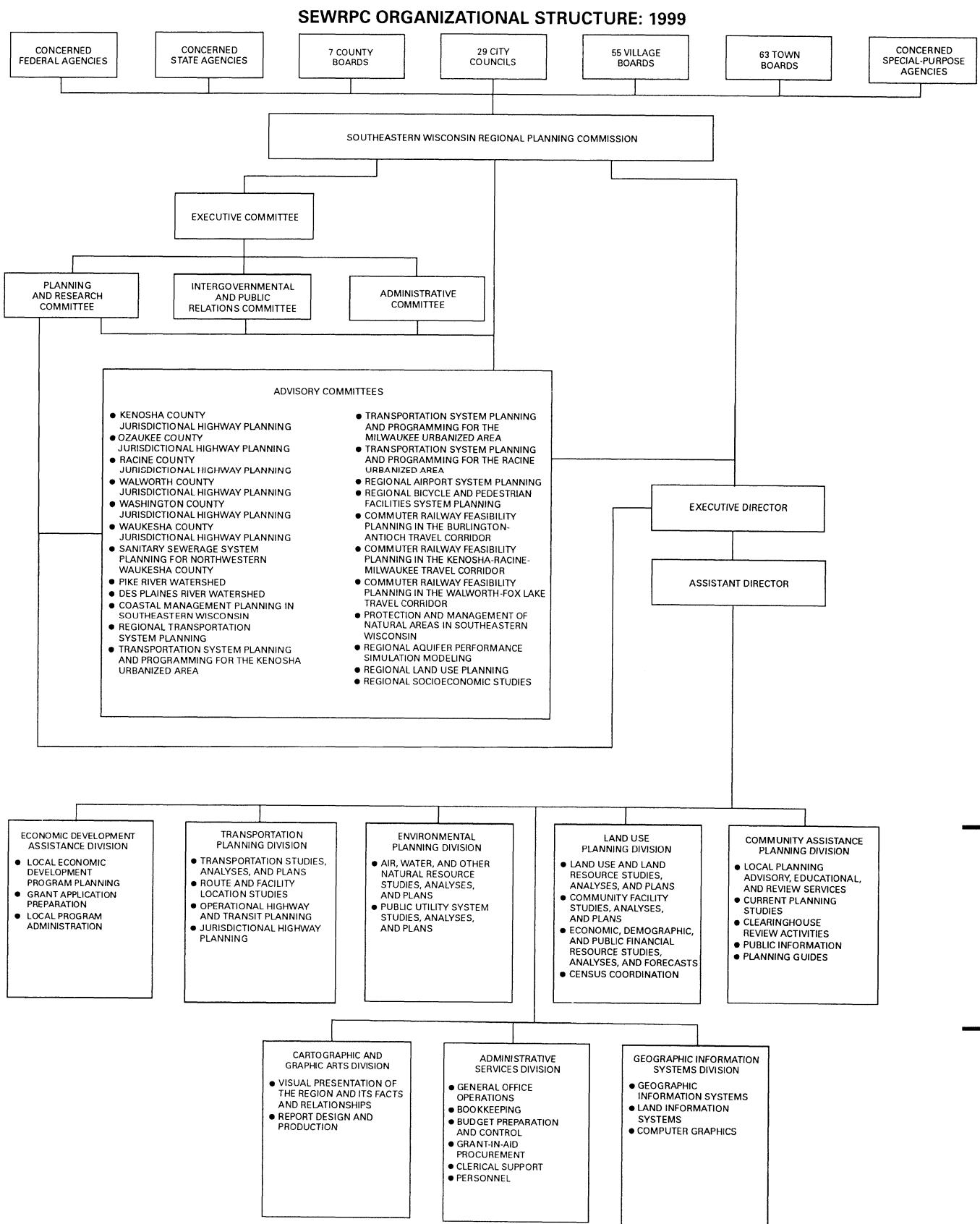
As shown in Figure 1 and in Appendix C, the Commission was in 1999 organized into eight divisions. Five of these divisions, Transportation Planning, Environmental Planning, Land Use Planning, Community Assistance Planning, and Economic Development Assistance, had direct responsibility for the conduct of the Commission's major planning programs. The remaining three divisions, Administrative Services, Cartographic and Graphic Arts, and Geographic Information Systems, provided day-to-day support of the five planning divisions.

FUNDING

Basic financial support for the Commission's work program is provided by county tax levies apportioned on the basis of equalized valuation. These basic funds are supplemented by State and Federal aids. Revenues received by the Commission during 1999 totaled about \$7.5 million. County tax levies in 1999 totaled about \$1.9 million, or about \$0.99 per capita. The sources of this revenue for 1999 and the trend in funding since the inception of the Commission in 1960 are shown in Figures 2 through 5. There has been little change in the tax levy for regional planning since 1963 when that levy is expressed in constant dollars.

The Commission has a complete financial audit performed each year by a certified public accountant. The report of this audit for 1999 is set forth in full in Appendix E. Under the Federal Single Audit Act of 1984, the Commission's audit is subject to the review and approval of the Commission's Federal cognizant agency, the Federal Highway Administration.

Figure 1



DOCUMENTATION

Documentation in the form of published reports is considered very important, if not absolutely essential, to any public planning effort. Printed planning reports represent the best means for disseminating inventory data that have permanent historical value and for promulgating plan recommendations and alternatives to such recommendations. Published reports are intended to serve as important references for public officials at the Federal and State levels, as well as at the local level, when considering important development decisions. Perhaps most importantly, however, published reports are intended to provide a focus for generating enlightened citizen interest in, and action on, plan recommendations. Accordingly, the Commission has established a series of published reports.

The first and most important type of report in the series is the planning report. The planning report is intended to document the adopted elements of the comprehensive plan for the physical development of the Region. As such, these reports constitute the official recommendations of the Regional Planning Commission. Each planning report is carefully reviewed and formally adopted by the Commission.

The second type of report in the series is the planning guide. Planning guides are intended to constitute manuals of local planning practice. As such, planning guides are intended to help improve the overall quality of public planning within the Region, and thereby to promote sound community development properly coordinated on a regionwide basis. The guides discuss basic planning and plan implementation principles, contain examples of good planning practice, and provide local governments with model ordinances and forms to assist them in their everyday planning efforts.

The third type of report in the series is the technical report. Technical reports are intended to make available to various public and private agencies within the Region valuable information assembled by the Commission staff during the course of its planning work on a work progress basis. Technical reports document the findings of such important basic inventories as detailed soil surveys, stream-water quality surveys, potential park and open space site inventories, and horizontal and vertical control surveys.

The fourth type of report in the series is similar to the technical report and is known as the technical record. This journal is published on an irregular basis and is intended primarily to document technical procedures utilized in the Commission planning programs. The documentation of such procedures assists other planning and engineering technicians in more fully understanding the Commission work programs and contributes toward advancing the science and art of planning.

The fifth type of report in the series is the community assistance planning report. These reports are intended to document local plans prepared by the Commission at the request of one or more local units of government. Occasionally, these local plans constitute refinements of, and amendments to, adopted regional and sub-regional plans, and are then formally adopted by the Regional Planning Commission.

The sixth type of report in the series is the planning program prospectus. Prospectuses are prepared by the Commission as a matter of policy as the initial step in the undertaking of any new major planning program. The major objective of the prospectus is to achieve a consensus among all of the interests concerned on the need for, and objectives of, a particular proposed planning program. The prospectus documents the need for a planning program; specifies the scope and content of the work required to be undertaken; recommends the most effective method for establishing, organizing, and accomplishing the required work; recommends a practical time sequence and schedule for the work; provides sufficient cost data to permit the development of an initial budget; and suggests how to allocate costs among the various levels and units of government concerned. Importantly, the prospectuses serve as the basis for the review, approval, and funding of the proposed planning programs by the constituent county boards.

The seventh type of report in the series is the annual report. The annual report has served an increasing number of functions over the period of the Commission's existence. Originally, and most importantly, the Commission's annual report was, and still is, intended to satisfy a very sound legislative requirement that a regional planning commission each calendar year prepare, publish, and certify to the Wisconsin Legislature and to the legislative bodies of the local units of government within the Region an annual

Figure 2
FUNDING TREND: 1961-1999

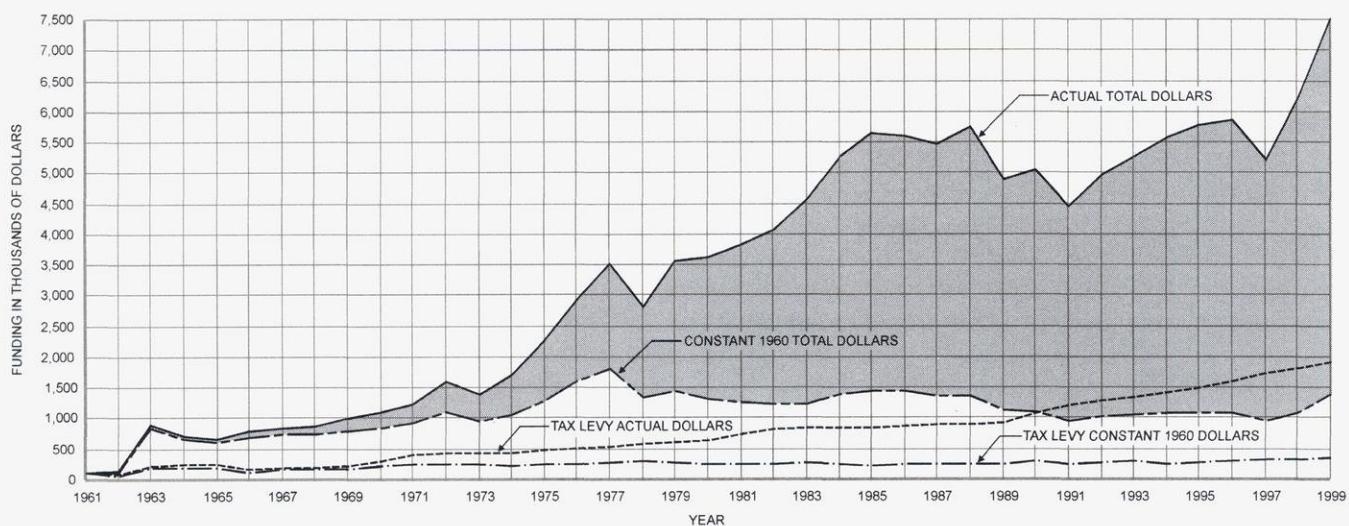


Figure 3
SOURCES OF REVENUES TREND: 1961-1999

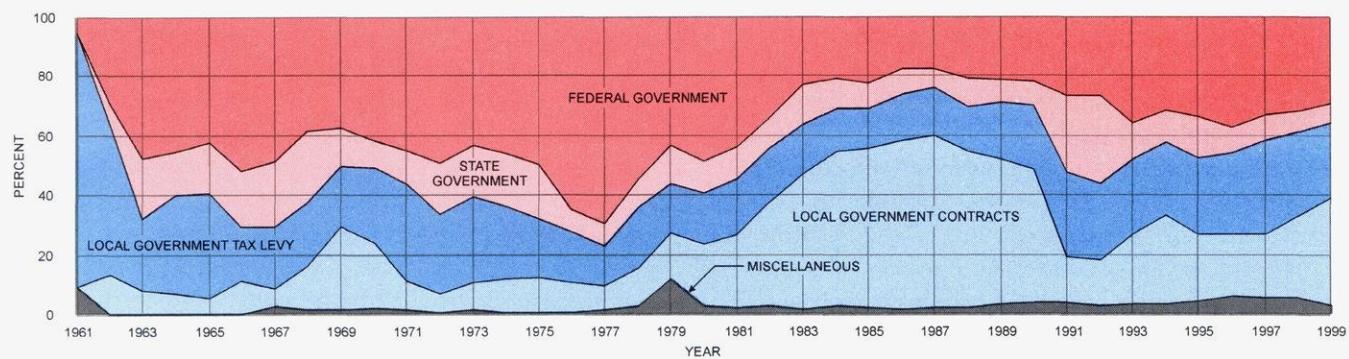
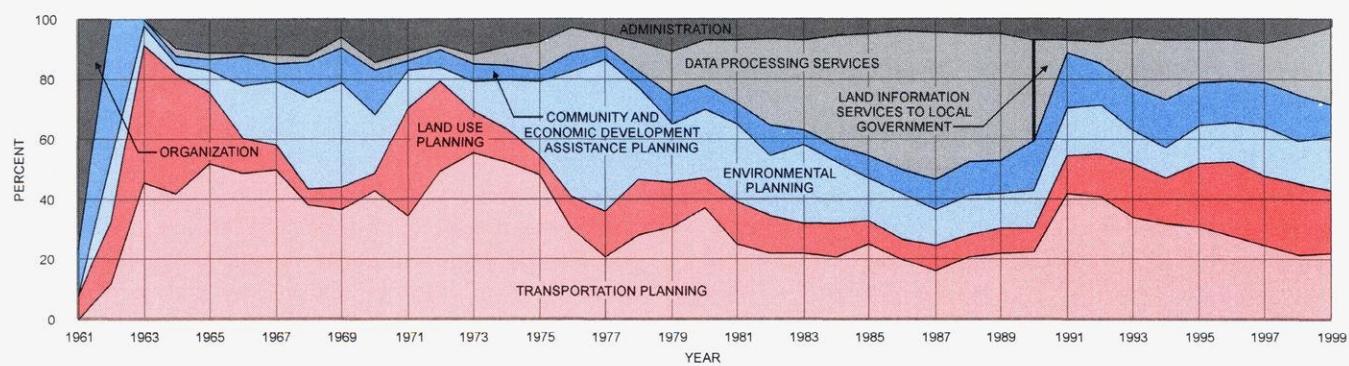


Figure 4
EXPENDITURES TREND: 1961-1999



report summarizing the activities of the Commission. In addition, the annual report documents activities under the continuing regional land use-transportation study and as such serves as an annual report to the U.S. and Wisconsin Departments of Transportation. The Commission's annual report is also intended to provide local public officials and interested citizens with a comprehensive overview of the Commission's activities and thereby to provide a focal point for the promotion of regional plan implementation.

The eighth type of report in the series is the memorandum report. These reports are intended to document the results of locally requested special studies. These special studies usually involve relatively minor work efforts of a short duration and are not normally intended to document formally adopted plans.

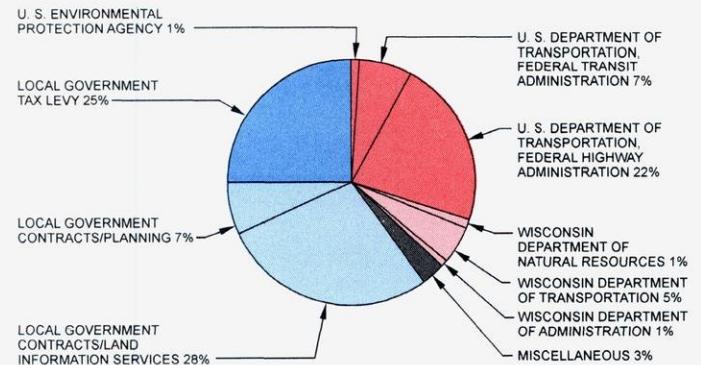
In addition to the eight basic types of reports described above, the Commission documents its work in certain miscellaneous publications, including a quarterly newsletter, regional planning conference proceedings, study designs, public hearing and public informational meeting minutes, transportation improvement programs, and staff memorandums.

While many of the Commission's publications are relatively long and are, necessarily, written in a technical style, they do provide the conscientious, concerned citizen and elected official, as well as concerned technicians, with all of the data and information needed to comprehend fully the scope and complexity of the areawide developmental and environmental problems and of the Commission's recommendations for the resolution of those problems. A complete publication list is set forth in Appendix D.

Figure 5

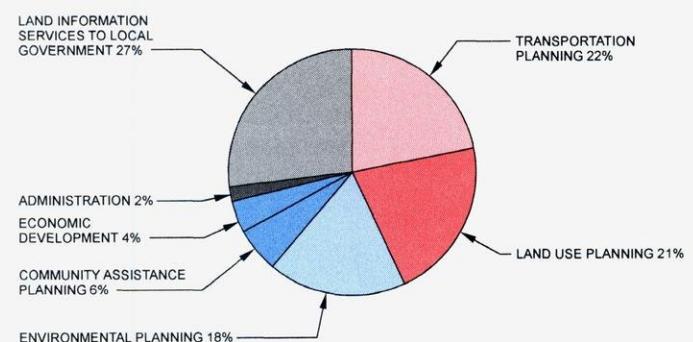
REVENUES AND EXPENDITURES: 1999

	REVENUES	
Federal Government.....	\$2,221,951	30%
State Government.....	462,825	7%
Local Government Tax Levy	1,892,680	25%
Local Government Contracts	2,696,485	35%
Miscellaneous.....	213,436	3%
Total	\$7,487,377	100%



EXPENDITURES

	EXPENDITURES	
Transportation Planning.....	\$1,562,655	22%
Land Use Planning	1,507,845	21%
Environmental Planning.....	1,262,954	18%
Community Assistance Planning.....	444,182	6%
Economic Development Assistance....	279,021	4%
Land Information Services to Local Governments	1,852,868	27%
Administration.....	168,561	2%
Total	\$7,078,086	100%





THE EVOLVING COMPREHENSIVE PLAN FOR THE REGION

PLAN DESIGN FUNCTION

The Commission is charged by law with the function and duty of "making and adopting a master plan for the physical development of the [R]egion." The permissible scope and content of this plan, as outlined in the enabling legislation, extend to all phases of regional development, implicitly emphasizing, however, the preparation of alternative spatial designs for the use of land and for supporting transportation and utility facilities.

The scope and complexity of areawide development problems prohibit the making and adopting of an entire comprehensive development plan at one point in time. The Commission has, therefore, determined to proceed with the preparation of individual plan elements which together can comprise the required comprehensive plan. Each element is intended to deal with an identified areawide developmental or environmental problem. The individual elements are coordinated by being related to an areawide land use plan. Thus, the land use plan comprises the most basic regional plan element, an element on which all other elements are based. The Commission believes that the importance of securing agreement upon areawide development plans through the formal adoption of such plans, not only by the Commission but also by county and local units of government and State agencies, cannot be overemphasized.

The Commission has placed great emphasis upon the preparation of a comprehensive plan for the physical development of the Region in the belief that such a plan is essential if land use development is to be properly coordinated with the development of supporting transportation, utility, and community facility systems; if the development of each of these individual functional systems is to be coordinated with the development of the others; if serious and costly environmental and developmental problems are to be minimized; and if a more healthful, attractive, and efficient regional settlement pattern is to be evolved. Under the Commission's approach, the preparation, adoption, and use of the comprehensive plan are considered to be the primary objectives of the planning process; all

planning and plan implementation techniques are based upon, or related to, the comprehensive plan.

The Commission believes that the comprehensive plan is a concept essential to coping with the developmental and environmental problems generated by areawide urbanization. The comprehensive plan not only provides the necessary framework for coordinating and guiding growth and development within a multijurisdictional urbanizing region having essentially a single community of interest, but also provides the best conceptual basis available for the application of systems engineering skills to the growing problems of such a region. This is because systems engineering basically must focus upon a design of physical systems. It seeks to achieve good design by setting good objectives, determining the ability of alternative plans to meet these objectives through quantitative analyses, cultivating interdisciplinary team activity, and considering all of the relationships involved both within the system being designed and between the system and its environment.

ADOPTED PLAN ELEMENTS: 1999

The Commission initiated the important plan design function in 1963 when it embarked upon a major program to prepare a regional land use plan and a regional transportation plan. Since that time, increasing emphasis has been placed on the plan design function. Beginning in the early 1970s, this plan design function has included major plan reappraisal as well as the preparation of new plan elements.

By the end of 1999, the adopted regional plan consisted of 27 individual plan elements. These plan elements are identified in Table 1. Four of these elements are land use-related: the regional land use plan, the regional housing plan, the regional library facilities and services plan, and the regional park and open space plan.

Eleven of the plan elements relate to transportation. These consist of the regional transportation plan (highway and transit), the regional airport system plan, the transportation systems management plan, the elderly and handicapped transportation plan, the regional bicycle and pedestrian facilities system plan,

Table 1
THE ADOPTED REGIONAL PLAN: DECEMBER 31, 1999

Functional Area	Plan Element	Plan Document	Date of Adoption
Land Use, Housing, and Community Facility Planning	Regional Land Use Plan ^a	Planning Report No. 45, <i>A Regional Land Use Plan for Southeastern Wisconsin: 2020</i>	December 3, 1997
	Regional Library Facilities and Services Plan	Planning Report No. 19, <i>A Library Facilities and Services Plan for Southeastern Wisconsin</i>	September 12, 1974
	Regional Housing Plan	Planning Report No. 20, <i>A Regional Housing Plan for Southeastern Wisconsin</i>	June 5, 1975
	Amendment—Waukesha County	Community Assistance Planning Report No. 209, <i>A Development Plan for Waukesha County, Wisconsin</i>	December 4, 1996
	Regional Park and Open Space Plan	Planning Report No. 27, <i>A Regional Park and Open Space Plan for Southeastern Wisconsin: 2000</i>	December 1, 1977
	Amendment—Ozaukee County Park and Open Space Plan	Community Assistance Planning Report No. 133, <i>A Park and Open Space Plan for Ozaukee County</i>	September 14, 1987
	Amendment—Kenosha County Park and Open Space Plan	Community Assistance Planning Report No. 131, <i>A Park and Open Space Plan for Kenosha County</i>	December 5, 1988
	Amendment—Racine County Park and Open Space Plan	Community Assistance Planning Report No. 134, <i>A Park and Open Space Plan for Racine County</i>	March 6, 1989
	Amendment—Washington County Park and Open Space Plan	Community Assistance Planning Report No. 136 (2nd Edition), <i>A Park and Open Space Plan for Washington County</i>	March 4, 1998
	Amendment—Waukesha County Park and Open Space Plan	Community Assistance Planning Report No. 137, <i>A Park and Open Space Plan for Waukesha County</i>	March 7, 1990
	Amendment—Walworth County Park and Open Space Plan	Community Assistance Planning Report No. 135, <i>A Park and Open Space Plan for Walworth County</i>	March 4, 1992
	Amendment—Milwaukee County Park and Open Space Plan	Community Assistance Planning Report No. 132, <i>A Park and Open Space Plan for Milwaukee County</i>	June 17, 1992
	Amendment—Waukesha County	Community Assistance Planning Report No. 209, <i>A Development Plan for Waukesha County, Wisconsin</i>	December 4, 1996
	Amendment—Regional Natural Areas and Critical Species Habitat Protection and Management Plan	Planning Report No. 42, <i>A Regional Natural Areas and Critical Species Habitat Protection and Management Plan for Southeastern Wisconsin</i>	September 10, 1997
	Amendment—Cedarburg Woods-West Critical Species Habitat Site	Amendment to the <i>Regional Natural Areas and Critical Species Habitat Protection and Management Plan, City of Cedarburg and Environs</i>	March 4, 1998
Transportation Planning	Regional Transportation Plan ^b	Planning Report No. 46, <i>A Regional Transportation System Plan for Southeastern Wisconsin: 2020</i>	December 3, 1997
	Racine Area Transit Development Plan ^c	Community Assistance Planning Report No. 233, <i>Racine Area Transit System Development Plan: 1998-2002, City of Racine, Wisconsin</i>	September 16, 1998
	Regional Airport System Plan ^d	Planning Report No. 38 (2nd Edition), <i>A Regional Airport System Plan for Southeastern Wisconsin: 2010</i>	December 4, 1996
	Kenosha Area Transit Development Plan ^e	Community Assistance Planning Report No. 231, <i>Kenosha Area Transit System Development Plan: 1998-2002, City of Kenosha, Wisconsin</i>	March 3, 1999
	Transportation Systems Management Plan	Community Assistance Planning Report No. 50, <i>A Transportation Systems Management Plan for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1981</i>	December 4, 1980
	Amendment—Milwaukee Northwest Side/Ozaukee County	Planning Report No. 34, <i>A Transportation System Plan for the Milwaukee Northwest Side/Ozaukee County Study Area</i>	September 8, 1983
	Amendment—Milwaukee Area	Planning Report No. 39, <i>A Freeway Traffic Management System Plan for the Milwaukee Area</i>	December 5, 1988
	Elderly-Handicapped Transportation Plan ^f	Planning Report No. 31, <i>A Regional Transportation Plan for the Transportation Handicapped in Southeastern Wisconsin: 1978-1982</i>	April 13, 1978
	Amendment—Racine Area	SEWRPC Resolution No. 78-17	December 7, 1978
	Amendment—Kenosha Area	Memorandum Report No. 107, <i>A Paratransit Service Plan for Disabled Persons: 1996 Update/City of Kenosha Transit System</i>	January 24, 1996

Table 1 (continued)

Functional Area	Plan Element	Plan Document	Date of Adoption
Transportation Planning (continued)	Amendment—Racine Area	Memorandum Report No. 108, <i>A Paratransit Service Plan for Disabled Persons: 1996 Update/City of Racine Transit System</i>	January 24, 1996
	Amendment—City of Waukesha	Memorandum Report No. 109, <i>A Paratransit Service Plan for Disabled Persons: 1996 Update/City of Waukesha Transit System Utility</i>	January 24, 1996
	Amendment—Waukesha County	Memorandum Report No. 110, <i>A Paratransit Service Plan for Disabled Persons: 1996 Update/ Waukesha County Transit System</i>	January 24, 1996
	Amendment—Milwaukee County	Memorandum Report No. 119, <i>A Paratransit Service Plan for Disabled Persons: 1997 Update/ Milwaukee County Transit System</i>	January 24, 1997
	Waukesha Transit Development Plan	Community Assistance Planning Report No. 154, <i>A Transit System Development Plan for the City of Waukesha: 1988-1992</i>	September 12, 1990
	West Bend Transit Development Plan	Community Assistance Planning Report No. 189, <i>A Transit System Feasibility Study and Development Plan for the City of West Bend: 1992-1996</i>	March 4, 1992
	Bicycle and Pedestrian Facilities System Plan	Planning Report No. 43, <i>A Regional Bicycle and Pedestrian Facilities System Plan for Southeastern Wisconsin: 2010</i>	January 25, 1995
	Ozaukee County Transit Service Plan	Community Assistance Planning Report No. 218, <i>A Transit Service Plan for Ozaukee County: 1996-2000</i>	December 6, 1995
Environmental Planning	Washington County Public Transit Service Plan	Community Assistance Planning Report No. 223, <i>A Public Transit Service Plan for Washington County: 1998-2002</i>	March 5, 1997
	Root River Watershed Plan	Planning Report No. 9, <i>A Comprehensive Plan for the Root River Watershed</i>	September 22, 1966
	Fox River Watershed Plan	Planning Report No. 12, <i>A Comprehensive Plan for the Fox River Watershed, Volume One, Inventory Findings and Forecasts; Volume Two, Alternative Plans and Recommended Plan</i>	June 4, 1970
	Amendment—Water Pollution Control Time Schedule	Amendment to the <i>Comprehensive Plan for the Fox River Watershed</i>	September 13, 1973
	Amendment—Lower Watershed Drainage Plan	Community Assistance Planning Report No. 5, <i>Drainage and Water Level Control Plan for the Waterford-Rochester-Wind Lake Area of the Lower Fox River Watershed</i>	June 5, 1975
	Amendment—Pewaukee Flood Control Plan	Community Assistance Planning Report No. 14, <i>Floodland Management Plan for the Village of Pewaukee</i>	June 1, 1978
	Milwaukee River Watershed Plan	Planning Report No. 13, <i>A Comprehensive Plan for the Milwaukee River Watershed, Volume One, Inventory Findings and Forecasts; Volume Two, Alternative Plans and Recommended Plan</i>	March 2, 1972
	Amendment—Lincoln Creek Flood Control Plan	Community Assistance Planning Report No. 13 (2nd Edition), <i>Flood Control Plan for Lincoln Creek, Milwaukee County, Wisconsin</i>	December 1, 1983
	Amendment—Milwaukee Harbor Estuary Plan	Planning Report No. 37, <i>A Water Resources Management Plan for the Milwaukee Harbor Estuary, Volume One, Inventory Findings; Volume Two, Alternative and Recommended Plans</i>	December 7, 1987
	Menomonee River Watershed Plan	Planning Report No. 26, <i>A Comprehensive Plan for the Menomonee River Watershed, Volume One, Inventory Findings and Forecasts; Volume Two, Alternative Plans and Recommended Plan</i>	January 20, 1977
	Amendment—Milwaukee Harbor Estuary Plan	Planning Report No. 37, <i>A Water Resources Management Plan for the Milwaukee Harbor Estuary, Volume One, Inventory Findings; Volume Two, Alternative and Recommended Plans</i>	December 7, 1987

Table 1 (continued)

Functional Area	Plan Element	Plan Document	Date of Adoption
Environmental Planning (continued)	Regional Wastewater Sludge Management Plan	Planning Report No. 29, <i>A Regional Wastewater Sludge Management Plan for Southeastern Wisconsin</i>	September 14, 1978
	Kinnickinnic River Watershed Plan	Planning Report No. 32, <i>A Comprehensive Plan for the Kinnickinnic River Watershed</i>	March 1, 1979
	Amendment—Milwaukee Harbor Estuary Plan	Planning Report No. 37, <i>A Water Resources Management Plan for the Milwaukee Harbor Estuary, Volume One, Inventory Findings; Volume Two, Alternative and Recommended Plans</i>	December 7, 1987
	Regional Water Quality Management Plan ⁹	Planning Report No. 30, <i>A Regional Water Quality Management Plan for Southeastern Wisconsin, Volume One, Inventory Findings; Volume Two, Alternative Plans; Volume Three, Recommended Plan</i>	July 12, 1979
	Amendment—Root River Watershed	Community Assistance Planning Report No. 37, <i>A Nonpoint Source Water Pollution Control Plan for the Root River Watershed</i>	March 6, 1980
	Amendment—Walworth County Metropolitan Sewerage District	Community Assistance Planning Report No. 56 (2nd Edition), <i>Sanitary Sewer Service Areas for the Walworth County Metropolitan Sewerage District, Walworth County, Wisconsin</i>	December 4, 1991
	Amendment—Cities of Brookfield and Waukesha	Amendment to the Regional Water Quality Management Plan—2000, <i>Cities of Brookfield and Waukesha</i>	December 3, 1981
	Amendment—Kenosha County	Community Assistance Planning Report No. 45, <i>A Farmland Preservation Plan for Kenosha County, Wisconsin</i>	June 17, 1982
	Amendment—Racine County	Community Assistance Planning Report No. 46, <i>A Farmland Preservation Plan for Racine County, Wisconsin</i>	June 17, 1982
	Amendment—City of Muskego	Community Assistance Planning Report No. 64 (3rd Edition), <i>Sanitary Sewer Service Area for the City of Muskego, Waukesha County, Wisconsin</i>	December 3, 1997
	Amendment—Ashippun Lake, Waukesha County	Community Assistance Planning Report No. 48, <i>A Water Quality Management Plan for Ashippun Lake, Waukesha County, Wisconsin</i>	September 9, 1982
	Amendment—Okauchee Lake, Waukesha County	Community Assistance Planning Report No. 53, <i>A Water Quality Management Plan for Okauchee Lake, Waukesha County, Wisconsin</i>	September 9, 1982
	Amendment—Lac La Belle, Waukesha County	Community Assistance Planning Report No. 47, <i>A Water Quality Management Plan for Lac La Belle, Waukesha County, Wisconsin</i>	September 9, 1982
	Amendment—North Lake, Waukesha County	Community Assistance Planning Report No. 54, <i>A Water Quality Management Plan for North Lake, Waukesha County, Wisconsin</i>	December 2, 1982
	Amendment—West Bend Area	Community Assistance Planning Report No. 35 (2nd Edition), <i>Sanitary Sewer Service Area for the City of West Bend and Environs, Washington County, Wisconsin</i>	June 17, 1998
	Amendment—Village of Grafton	Amendment to the Regional Water Quality Management Plan—2000, <i>Village of Grafton</i>	December 2, 1982
	Amendment—City of Brookfield	Amendment to the Regional Water Quality Management Plan—2000, <i>City of Brookfield</i>	December 2, 1982
	Amendment—Village of Sussex	Community Assistance Planning Report No. 84 (2nd Edition), <i>Sanitary Sewer Service Area for the Village of Sussex, Waukesha County, Wisconsin</i>	September 7, 1994
	Amendment—Ozaukee County	Community Assistance Planning Report No. 87, <i>A Farmland Preservation Plan for Ozaukee County, Wisconsin</i>	June 16, 1983
	Amendment—Village of Germantown	Community Assistance Planning Report No. 70, <i>Sanitary Sewer Service Area for the Village of Germantown, Washington County, Wisconsin</i>	September 8, 1983
	Amendment—Village of Saukville	Community Assistance Planning Report No. 90, <i>Sanitary Sewer Service Area for the Village of Saukville, Ozaukee County, Wisconsin</i>	December 1, 1983

Table 1 (continued)

Functional Area	Plan Element	Plan Document	Date of Adoption
Environmental Planning (continued)	Amendment—City of Port Washington	Community Assistance Planning Report No. 95, <i>Sanitary Sewer Service Area for the City of Port Washington, Ozaukee County, Wisconsin</i>	December 1, 1983
	Amendment—Pewaukee	Community Assistance Planning Report No. 76, <i>A Land Use Plan for the Town and Village of Pewaukee: 2000, Waukesha County, Wisconsin</i>	December 1, 1983
	Amendment—Belgium Area	<i>Amendment to the Regional Water Quality Management Plan—2000, Onion River Priority Watershed Plan</i>	December 1, 1983
	Amendment—Geneva Lake Area	<i>Amendment to the Regional Water Quality Management Plan—2000, Geneva Lake Area Communities</i>	December 1, 1983
	Amendment—Village of Butler	Community Assistance Planning Report No. 99, <i>Sanitary Sewer Service Area for the Village of Butler, Waukesha County, Wisconsin</i>	March 1, 1984
	Amendment—City of Hartford	Community Assistance Planning Report No. 92 (2nd Edition), <i>Sanitary Sewer Service Area for the City of Hartford, Washington County, Wisconsin</i>	June 21, 1995
	Amendment—Mukwonago Area	<i>Amendment to the Regional Water Quality Management Plan—2000, Village of Mukwonago, Towns of East Troy and Mukwonago</i>	June 21, 1984
	Amendment—Village of Fredonia	Community Assistance Planning Report No. 96, <i>Sanitary Sewer Service Area for the Village of Fredonia, Ozaukee County, Wisconsin</i>	September 13, 1984
	Amendment—Village of East Troy	Community Assistance Planning Report No. 112 (2nd Edition), <i>Sanitary Sewer Service Area for the Village of East Troy and Environs, Walworth County, Wisconsin</i>	June 16, 1993
	Amendment—City of Milwaukee	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Milwaukee</i>	September 13, 1984
	Amendment—Town of Pleasant Prairie	Community Assistance Planning Report No. 88, <i>A Land Use Management Plan for the Chiwaukee Prairie-Carol Beach Area of the Town of Pleasant Prairie, Kenosha County, Wisconsin</i>	March 11, 1985
	Amendment—Village of Belgium	Community Assistance Planning Report No. 97 (3rd Edition), <i>Sanitary Sewer Service Area for the Village of Belgium, Ozaukee County, Wisconsin</i>	September 15, 1993
	Amendment—Town of Addison	Community Assistance Planning Report No. 103, <i>Sanitary Sewer Service Area for the Allenton Area, Washington County, Wisconsin</i>	March 11, 1985
	Amendment—Town of Yorkville	<i>Amendment to the Regional Water Quality Management Plan—2000, Town of Yorkville</i>	March 11, 1985
	Amendment—Village of Williams Bay	<i>Amendment to the Regional Water Quality Management Plan—2000, Village of Williams Bay/Walworth County Metropolitan Sewerage District</i>	March 11, 1985
	Amendment—Town of Trenton/ City of West Bend	<i>Amendment to the Regional Water Quality Management Plan—2000, City of West Bend/ Town of Trenton</i>	March 11, 1985
	Amendment—Village of Hartland	Community Assistance Planning Report No. 93, <i>Sanitary Sewer Service Area for the Village of Hartland, Waukesha County, Wisconsin</i>	June 17, 1985
	Amendment—Village of Jackson Area	Community Assistance Planning Report No. 124 (2nd Edition), <i>Sanitary Sewer Service Area for the Village of Jackson and Environs, Washington County, Wisconsin</i>	September 10, 1997
	Amendment—Pewaukee Area	Community Assistance Planning Report No. 113, <i>Sanitary Sewer Service Area for the Town of Pewaukee Sanitary District No. 3, Lake Pewaukee Sanitary District, and Village of Pewaukee, Waukesha County, Wisconsin</i>	June 17, 1985
	Amendment—City of Waukesha Area	Community Assistance Planning Report No. 100 (2nd Edition), <i>Sanitary Sewer Service Area for the City of Waukesha and Environs, Waukesha County, Wisconsin</i>	March 3, 1999

Table 1 (continued)

Functional Area	Plan Element	Plan Document	Date of Adoption
Environmental Planning (continued)	Amendment—Village of Slinger and Environs	Community Assistance Planning Report No. 128 (3rd Edition), <i>Sanitary Sewer Service Area for the Village of Slinger and Environs, Washington County, Wisconsin</i>	December 2, 1998
	Amendment—Kenosha Area	Community Assistance Planning Report No. 106, <i>Sanitary Sewer Service Areas for the City of Kenosha and Environs, Kenosha County, Wisconsin</i>	December 2, 1985
	Amendment—Town of Eagle	<i>Amendment to the Regional Water Quality Management Plan—2000, Eagle Spring Lake Sanitary District</i>	December 2, 1985
	Amendment—Town of Salem	Community Assistance Planning Report No. 143, <i>Sanitary Sewer Service Area for the Town of Salem Utility District No. 2, Kenosha County, Wisconsin</i>	March 3, 1986
	Amendment—Friess Lake, Washington County	Community Assistance Planning Report No. 98, <i>A Water Quality Management Plan for Friess Lake, Washington County, Wisconsin</i>	March 3, 1986
	Amendment—Geneva Lake, Walworth County	Community Assistance Planning Report No. 60, <i>A Water Quality Management Plan for Geneva Lake, Walworth County, Wisconsin</i>	March 3, 1986
	Amendment—Pewaukee Lake, Waukesha County	Community Assistance Planning Report No. 58, <i>A Water Quality Management Plan for Pewaukee Lake, Waukesha County, Wisconsin</i>	March 3, 1986
	Amendment—Waterford/Rochester Area	Community Assistance Planning Report No. 141 (2nd Edition), <i>Sanitary Sewer Service Area for the Waterford/Rochester Area, Racine County, Wisconsin</i>	April 24, 1996
	Amendment—City of Burlington	Community Assistance Planning Report No. 78, <i>Sanitary Sewer Service Area for the City of Burlington, Racine County, Wisconsin</i>	June 16, 1986
	Amendment—City of Waukesha/Town of Pewaukee	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Waukesha/Town of Pewaukee</i>	December 1, 1986
	Amendment—Salem/Paddock Lake/Bristol Area	Community Assistance Planning Report No. 145, <i>Sanitary Sewer Service Area for the Town of Salem Utility District No. 1, Village of Paddock Lake, and Town of Bristol Utility District Nos. 1 and 1B, Kenosha County, Wisconsin</i>	December 1, 1986
	Amendment—Racine Area	Community Assistance Planning Report No. 147, <i>Sanitary Sewer Service Area for the City of Racine and Environs, Racine County, Wisconsin</i>	December 1, 1986
	Amendment—Town of Lyons	<i>Amendment to the Regional Water Quality Management Plan—2000, Country Estates Sanitary District/Town of Lyons</i>	March 2, 1987
	Amendment—Village of Silver Lake and Environs	Community Assistance Planning Report No. 119 (2nd Edition), <i>Sanitary Sewer Service Area for the Village of Silver Lake and Environs, Kenosha County, Wisconsin</i>	December 2, 1998
	Amendment—Village of Twin Lakes	Community Assistance Planning Report No. 149, <i>Sanitary Sewer Service Area, Village of Twin Lakes, Kenosha County, Wisconsin</i>	June 15, 1987
	Amendment—Cedarburg/Grafton Area	Community Assistance Planning Report No. 91 (2nd Edition), <i>Sanitary Sewer Service Areas for the City of Cedarburg and the Village of Grafton, Ozaukee County, Wisconsin</i>	June 19, 1996
	Amendment—Town of Walworth	<i>Amendment to the Regional Water Quality Management Plan—2000, Town of Walworth Utility District No. 1/Walworth County Metropolitan Sewerage District</i>	June 15, 1987
	Amendment—City of West Bend	<i>Amendment to the Regional Water Quality Management Plan—2000, City of West Bend</i>	June 15, 1987
	Amendment—City of Whitewater	Community Assistance Planning Report No. 94 (2nd Edition), <i>Sanitary Sewer Service Area for the City of Whitewater, Walworth County, Wisconsin</i>	March 1, 1995

Table 1 (continued)

Functional Area	Plan Element	Plan Document	Date of Adoption
Environmental Planning (continued)	Amendment—Town of Lyons	Community Assistance Planning Report No. 158 (2nd Edition), <i>Sanitary Sewer Service Area for the Town of Lyons Sanitary District No. 2, Walworth County, Wisconsin</i>	September 15, 1993
	Amendment—City of Hartford	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Hartford</i>	September 14, 1987
	Amendment—Milwaukee Harbor Estuary Plan	Planning Report No. 37, <i>A Water Resources Management Plan for the Milwaukee Harbor Estuary, Volume One, Inventory Findings; Volume Two, Alternative and Recommended Plans</i>	December 7, 1987
	Amendment—City of New Berlin	Community Assistance Planning Report No. 157, <i>Sanitary Sewer Service Area for the City of New Berlin, Waukesha County, Wisconsin</i>	December 7, 1987
	Amendment—Village of Sussex	<i>Amendment to the Regional Water Quality Management Plan—2000, Village of Sussex</i>	December 7, 1987
	Amendment—Kenosha Area	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Kenosha and Environs</i>	December 7, 1987
	Amendment—Village of Kewaskum	Community Assistance Planning Report No. 161, <i>Sanitary Sewer Service Area for the Village of Kewaskum, Washington County, Wisconsin</i>	March 7, 1988
	Amendment—Town of Darien	<i>Amendment to the Regional Water Quality Management Plan—2000, Town of Darien/ Walworth County Metropolitan Sewerage District</i>	June 20, 1988
	Amendment—Village of Sussex	<i>Amendment to the Regional Water Quality Management Plan—2000, Village of Sussex</i>	June 20, 1988
	Amendment—Village of Darien	Community Assistance Planning Report No. 123 (2nd Edition), <i>Sanitary Sewer Service Area for the Village of Darien, Walworth County, Wisconsin</i>	September 23, 1992
	Amendment—West Bend Area	<i>Amendment to the Regional Water Quality Management Plan—2000, City of West Bend/ Town of West Bend</i>	September 12, 1988
	Amendment—Hartford Area	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Hartford</i>	September 12, 1988
	Amendment—Town of Waterford	<i>Amendment to the Regional Water Quality Management Plan—2000, Western Racine County Sewerage District</i>	September 12, 1988
	Amendment—Hartford Area	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Hartford</i>	December 5, 1988
	Amendment—City of Waukesha	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Waukesha</i>	December 5, 1988
	Amendment—Oconomowoc Area	Community Assistance Planning Report No. 172 (2nd Edition), <i>Sanitary Sewer Service Area for the City of Oconomowoc and Environs, Waukesha County, Wisconsin</i>	September 15, 1999
	Amendment—Village of Genoa City	Community Assistance Planning Report No. 175 (2nd Edition), <i>Sanitary Sewer Service Area for the Village of Genoa City, Kenosha and Walworth Counties, Wisconsin</i>	June 19, 1996
	Amendment—Village of Germantown	<i>Amendment to the Regional Water Quality Management Plan—2000, Village of Germantown</i>	March 6, 1989
	Amendment—Racine Area	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Racine and Environs</i>	March 6, 1989
	Amendment—Upper Fox River Watershed	<i>Amendment to the Regional Water Quality Management Plan—2000, Upper Fox River Watershed—Brookfield and Sussex Sewage Treatment Plants</i>	May 15, 1989
	Amendment—Racine Area	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Racine and Environs</i>	June 19, 1989
	Amendment—Lake Geneva Area	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Lake Geneva and Environs</i>	June 19, 1989

Table 1 (continued)

Functional Area	Plan Element	Plan Document	Date of Adoption
Environmental Planning (continued)	Amendment—Town of Geneva	<i>Amendment to the Regional Water Quality Management Plan—2000, Town of Geneva, Walworth County Metropolitan Sewerage District</i>	November 6, 1989
	Amendment—Town of Waterford	<i>Amendment to the Regional Water Quality Management Plan—2000, Western Racine County Sewerage District</i>	December 4, 1989
	Amendment—Delavan Lake Area	<i>Amendment to the Regional Water Quality Management Plan—2000, Delavan Lake Sanitary District/ Walworth County Metropolitan Sewerage District</i>	December 4, 1989
	Amendment—East Troy Area	<i>Amendment to the Regional Water Quality Management Plan—2000, Towns of East Troy, LaFayette, and Spring Prairie, and Village of East Troy</i>	December 4, 1989
	Amendment—Waukesha Area	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Waukesha and Town of Waukesha</i>	June 20, 1990
	Amendment—Village of Silver Lake	<i>Amendment to the Regional Water Quality Management Plan—2000, Village of Silver Lake and Salem Utility District No. 2</i>	June 20, 1990
	Amendment—Village of Union Grove	<i>Community Assistance Planning Report No. 180, Sanitary Sewer Service Area for the Village of Union Grove and Environs, Racine County, Wisconsin</i>	September 12, 1990
	Amendment—Town of Somers	<i>Amendment to the Regional Water Quality Management Plan—2000, Kenosha and Racine Sanitary Sewer Service Areas</i>	September 12, 1990
	Amendment—City of Franklin	<i>Community Assistance Planning Report No. 176, Sanitary Sewer Service Area for the City of Franklin, Milwaukee County, Wisconsin</i>	December 5, 1990
	Amendment—Village of Mukwonago	<i>Community Assistance Planning Report No. 191, Sanitary Sewer Service Area for the Village of Mukwonago, Waukesha County, Wisconsin</i>	December 5, 1990
	Amendment—Village of Dousman	<i>Community Assistance Planning Report No. 192, Sanitary Sewer Service Area for the Village of Dousman, Waukesha County, Wisconsin</i>	December 5, 1990
	Amendment—Towns of Yorkville and Mt. Pleasant	<i>Amendment to the Regional Water Quality Management Plan—2000, Towns of Yorkville and Mt. Pleasant</i>	December 5, 1990
	Amendment—Town of Bristol	<i>Amendment to the Regional Water Quality Management Plan—2000, Town of Bristol</i>	March 6, 1991
	Amendment—Village of Pewaukee	<i>Amendment to the Regional Water Quality Management Plan—2000, Village of Pewaukee</i>	March 6, 1991
	Amendment—Town of Brookfield	<i>Amendment to the Regional Water Quality Management Plan—2000, Brookfield and Waukesha Sanitary Sewer Service Areas</i>	March 6, 1991
	Amendment—Delavan Area	<i>Amendment to the Regional Water Quality Management Plan—2000, Walworth County Metropolitan Sewerage District/Delavan-Delavan Lake Sanitary Sewer Service Area</i>	March 6, 1991
	Amendment—Oconomowoc Lake, Waukesha County	<i>Community Assistance Planning Report No. 181, A Water Quality Management Plan for Oconomowoc Lake, Waukesha County, Wisconsin</i>	June 19, 1991
	Amendment—Town of Salem	<i>Amendment to the Regional Water Quality Management Plan—2000, Town of Salem</i>	June 19, 1991
	Amendment—Town of Caledonia	<i>Amendment to the Regional Water Quality Management Plan—2000, Town of Caledonia</i>	June 19, 1991
	Amendment—Village of Hartland	<i>Amendment to the Regional Water Quality Management Plan—2000, Village of Hartland</i>	June 19, 1991
	Amendment—Town of Caledonia	<i>Amendment to the Regional Water Quality Management Plan—2000, Town of Caledonia</i>	September 11, 1991
	Amendment—Town of Norway	<i>Amendment to the Regional Water Quality Management Plan—2000, Town of Norway</i>	September 11, 1991
	Amendment—Town of Rochester	<i>Amendment to the Regional Water Quality Management Plan—2000, Town of Rochester</i>	September 11, 1991
	Amendment—Town of Norway	<i>Amendment to the Regional Water Quality Management Plan—2000, Town of Norway</i>	September 11, 1991

Table 1 (continued)

Functional Area	Plan Element	Plan Document	Date of Adoption
Environmental Planning (continued)	Amendment—Brookfield/ Elm Grove Area	Community Assistance Planning Report No. 109, <i>Sanitary Sewer Service Area for the City and Town of Brookfield and the Village of Elm Grove, Waukesha County, Wisconsin</i>	December 4, 1991
	Amendment—Racine Area	Amendment to the Regional Water Quality Management Plan—2000, <i>City of Racine and Environs</i>	December 4, 1991
	Amendment—Pewaukee Lake Area	Amendment to the Regional Water Quality Management Plan: 2000, <i>Lake Pewaukee Sanitary District</i>	December 4, 1991
	Amendment—West Bend Area	Amendment to the Regional Water Quality Management Plan: 2000, <i>City of West Bend/Town of West Bend</i>	December 4, 1991
	Amendment—Town of Salem	Amendment to the Regional Water Quality Management Plan: 2000, <i>Town of Salem</i>	December 4, 1991
	Amendment—City of Mequon and Village of Thiensville	Community Assistance Planning Report No. 188, <i>Sanitary Sewer Service Area for the City of Mequon and the Village of Thiensville, Ozaukee County, Wisconsin</i>	January 15, 1992
	Amendment—City of West Bend/ Town of West Bend/ Silver Lake Sanitary District	Amendment to the Regional Water Quality Management Plan—2000, <i>City of West Bend/Town of West Bend/Silver Lake Sanitary District</i>	March 4, 1992
	Amendment—Town of Somers	Amendment to the Regional Water Quality Management Plan—2000, <i>Town of Somers</i>	June 17, 1992
	Amendment—DelafIELD- Nashotah Area	Community Assistance Planning Report No. 127, <i>Sanitary Sewer Service Area for the City of DelafIELD and the Village of Nashotah and Environs, Waukesha County, Wisconsin</i>	January 18, 1993
	Amendment—City of Lake Geneva and Environs	Community Assistance Planning Report No. 203, <i>Sanitary Sewer Service Area for the City of Lake Geneva and Environs, Walworth County, Wisconsin</i>	January 18, 1993
	Amendment—Eagle Lake Sewer Utility District	Community Assistance Planning Report No. 206, <i>Sanitary Sewer Service Area for the Eagle Lake Sewer Utility District, Racine County, Wisconsin</i>	January 18, 1993
	Amendment—Village of Hartland	Amendment to the Regional Water Quality Management Plan: 2000, <i>Village of Hartland</i>	January 18, 1993
	Amendment—Village of Newburg	Community Assistance Planning Report No. 205, <i>Sanitary Sewer Service Area for the Village of Newburg, Ozaukee and Washington Counties, Wisconsin</i>	March 3, 1993
	Amendment—Village of Twin Lakes	Amendment to the Regional Water Quality Management Plan—2000, <i>Village of Twin Lakes</i>	March 3, 1993
	Amendment—City of Muskego	Amendment to the Regional Water Quality Management Plan: 2000, <i>City of Muskego</i>	March 3, 1993
	Amendment—Villages of Lannon and Menomonee Falls	Community Assistance Planning Report No. 208, <i>Sanitary Sewer Service Areas for the Villages of Lannon and Menomonee Falls, Waukesha County, Wisconsin</i>	June 16, 1993
	Amendment—City of New Berlin	Amendment to the Regional Water Quality Management Plan—2000, <i>City of New Berlin</i>	June 16, 1993
	Amendment—Racine Area	Amendment to the Regional Water Quality Management Plan—2000, <i>City of Racine and Environs</i>	June 16, 1993
	Amendment—Powers Lake, Kenosha and Walworth Counties	Community Assistance Planning Report No. 196, <i>A Management Plan for Powers Lake, Kenosha and Walworth Counties, Wisconsin</i>	September 15, 1993
	Amendment—Wind Lake, Racine County	Community Assistance Planning Report No. 198, <i>A Management Plan for Wind Lake, Racine County, Wisconsin</i>	September 15, 1993
	Amendment—Walworth County Metropolitan Sewerage District	Amendment to the Regional Water Quality Management Plan—2000, <i>Town of Geneva, Walworth County Metropolitan Sewerage District</i>	December 1, 1993
	Amendment—City of New Berlin	Amendment to the Regional Water Quality Management Plan—2000, <i>City of New Berlin</i>	March 9, 1994

Table 1 (continued)

Functional Area	Plan Element	Plan Document	Date of Adoption
Environmental Planning (continued)	Amendment—Walworth County Metropolitan Sewerage District	<i>Amendment to the Regional Water Quality Management Plan—2000, Walworth County Metropolitan Sewerage District/Delavan-Delavan Lake Sanitary Sewer Service Area</i>	March 9, 1994
	Amendment—Village of Fontana	<i>Amendment to the Regional Water Quality Management Plan—2000, Village of Fontana</i>	March 9, 1994
	Amendment—Village of Hartland/Lake Pewaukee Sanitary District	<i>Amendment to the Regional Water Quality Management Plan—2000, Village of Hartland and Lake Pewaukee Sanitary District</i>	March 9, 1994
	Amendment—City of Waukesha	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Waukesha</i>	June 15, 1994
	Amendment—City of Burlington/Bohner Lake Area	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Burlington/Bohner Lake Sanitary Sewer Service Areas</i>	June 15, 1994
	Amendment—City of Oak Creek	<i>Community Assistance Planning Report No. 213, Sanitary Sewer Service Area for the City of Oak Creek, Milwaukee County, Wisconsin</i>	September 7, 1994
	Amendment—Walworth County Metropolitan Sewerage District/Village of Darien/Town of Darien	<i>Amendment to the Regional Water Quality Management Plan, Walworth County Metropolitan Sewerage District/Village of Darien/Town of Darien</i>	September 7, 1994
	Amendment—Pell Lake and Powers-Benedict-Tombeau Lakes Areas	<i>Amendment to the Regional Water Quality Management Plan—2000, Pell Lake Area and Powers-Benedict-Tombeau Lakes Area, Kenosha and Walworth Counties</i>	December 7, 1994
	Amendment—Walworth County Metropolitan Sewerage District/City of Elkhorn	<i>Amendment to the Regional Water Quality Management Plan, Walworth County Metropolitan Sewerage District/Elkhorn Sanitary Sewer Service Area</i>	March 1, 1995
	Amendment—Villages of Fontana and Walworth and Environs	<i>Community Assistance Planning Report No. 219, Sanitary Sewer Service Area for the Villages of Fontana and Walworth and Environs, Walworth County, Wisconsin</i>	June 21, 1995
	Amendment—City of Mequon	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Mequon</i>	June 21, 1995
	Amendment—Walworth County Metropolitan Sewerage District	<i>Amendment to the Regional Water Quality Management Plan, Walworth County Metropolitan Sewerage District/Williams Bay-Geneva National-Lake Como Sanitary Sewer Service Area</i>	June 21, 1995
	Amendment—City of West Bend	<i>Amendment to the Regional Water Quality Management Plan—2000, City of West Bend/Wallace Lake Sanitary District</i>	June 21, 1995
	Amendment—Racine Area	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Racine and Environs</i>	September 13, 1995
	Amendment—Village of Belgium	<i>Amendment to the Regional Water Quality Management Plan—2000, Village of Belgium</i>	December 6, 1995
	Amendment—Hartland/Lake Pewaukee Areas	<i>Amendment to the Regional Water Quality Management Plan—2000, Village of Hartland and Lake Pewaukee Sanitary District</i>	December 6, 1995
	Amendment—Greater Kenosha Area	<i>Amendment to the Regional Water Quality Management Plan—2010, Greater Kenosha Area</i>	March 6, 1996
	Amendment—Pell Lake Area	<i>Community Assistance Planning Report No. 225, Sanitary Sewer Service Area for the Pell Lake Sanitary District No. 1, Walworth County, Wisconsin</i>	June 19, 1996
	Amendment—Delafield-Nashotah Area	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Delafield</i>	December 4, 1996
	Amendment—Pewaukee Area	<i>Amendment to the Regional Water Quality Management Plan—2000, Town of Pewaukee Sanitary District No. 3</i>	March 5, 1997
	Amendment—City of Waukesha	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Waukesha</i>	March 5, 1997
	Amendment—City of New Berlin	<i>Amendment to the Regional Water Quality Management Plan—2000, City of New Berlin</i>	June 18, 1997

Table 1 (continued)

Functional Area	Plan Element	Plan Document	Date of Adoption
Environmental Planning (continued)	Amendment—Village of Sussex-Town of Lisbon Area	<i>Amendment to the Regional Water Quality Management Plan—2000, Village of Sussex/Town of Lisbon</i>	June 18, 1997
	Amendment—Town of Salem	<i>Amendment to the Regional Water Quality Management Plan—2000, Town of Salem</i>	June 18, 1997
	Amendment—Town of Bristol	<i>Amendment to the Regional Water Quality Management Plan, Town of Bristol</i>	September 10, 1997
	Amendment—City of New Berlin	<i>Amendment to the Regional Water Quality Management Plan, City of New Berlin</i>	December 3, 1997
	Amendment—Village of Slinger	<i>Amendment to the Regional Water Quality Management Plan, Village of Slinger</i>	December 3, 1997
	Amendment—Village of Germantown	<i>Amendment to the Regional Water Quality Management Plan, Village of Germantown</i>	March 4, 1998
	Amendment—Walworth County Metropolitan Sewerage District/Delavan-Delavan Lake Area	<i>Amendment to the Regional Water Quality Management Plan, Walworth County Metropolitan Sewerage District/Delavan-Delavan Lake Sanitary Sewer Service Area</i>	March 26, 1998
	Amendment—Brookfield-Elm Grove Area	<i>Amendment to the Regional Water Quality Management Plan, City of Brookfield</i>	June 17, 1998
	Amendment—Eagle Lake Sewer Utility District	<i>Amendment to the Regional Water Quality Management Plan, Eagle Lake Sewer Utility District</i>	June 17, 1998
	Amendment—Village of Menomonee Falls	<i>Amendment to the Regional Water Quality Management Plan, Village of Menomonee Falls</i>	June 17, 1998
	Amendment—Village of Sussex	<i>Amendment to the Regional Water Quality Management Plan, Village of Sussex</i>	June 17, 1998
	Amendment—Pewaukee Area	<i>Amendment to the Regional Water Quality Management Plan, Lake Pewaukee Sanitary District</i>	September 16, 1998
	Amendment—Village of Belgium	<i>Amendment to the Regional Water Quality Management Plan, Village of Belgium</i>	December 2, 1998
	Amendment—Village of East Troy	<i>Amendment to the Regional Water Quality Management Plan, Village of East Troy</i>	December 2, 1998
	Amendment—City of New Berlin	<i>Amendment to the Regional Water Quality Management Plan, City of New Berlin</i>	March 3, 1999
	Amendment—Town of Norway Sanitary District No. 1 and Environs	<i>Community Assistance Planning Report No. 247, Sanitary Sewer Service Area for the Town of Norway Sanitary District No. 1 and Environs, Racine and Waukesha Counties, Wisconsin</i>	June 16, 1999
	Amendment—Village of Genoa City	<i>Amendment to the Regional Water Quality Management Plan, Village of Genoa City</i>	June 16, 1999
	Amendment—Oconomowoc Area	<i>Amendment to the Regional Water Quality Management Plan, City of Oconomowoc</i>	June 16, 1999
	Amendment—Village of Hartland	<i>Amendment to the Regional Water Quality Management Plan, Village of Hartland</i>	June 16, 1999
	Amendment—City of Hartford	<i>Amendment to the Regional Water Quality Management Plan, City of Hartford and Environs</i>	September 15, 1999
	Amendment—Eagle Lake Sewer Utility District	<i>Amendment to the Regional Water Quality Management Plan, Eagle Lake Sewer Utility District</i>	September 15, 1999
	Amendment—City of Muskego	<i>Amendment to the Regional Water Quality Management Plan, City of Muskego</i>	December 1, 1999
	Amendment—Village of Mukwonago	<i>Amendment to the Regional Water Quality Management Plan, Village of Mukwonago</i>	December 1, 1999
	Amendment—Racine Area	<i>Amendment to the Regional Water Quality Management Plan, City of Racine and Environs</i>	December 1, 1999
	Regional Air Quality Plan	<i>Planning Report No. 28, A Regional Air Quality Attainment and Maintenance Plan for Southeastern Wisconsin: 2000</i>	June 20, 1980
	Amendment—Emission Reduction Credit Banking and Trading System	<i>Amendment to the Regional Air Quality Attainment and Maintenance Plan: 2000, Emission Reduction Credit Banking and Trading System</i>	December 1, 1983
Pike River Watershed Plan		<i>Planning Report No. 35, A Comprehensive Plan for the Pike River Watershed</i>	June 16, 1983
	Amendment—Town of Mt. Pleasant	<i>Amendment to the Pike River Watershed Plan, Town of Mt. Pleasant</i>	June 15, 1987
	Amendment—City of Kenosha/Town of Somers	<i>Amendment to the Pike River Watershed Plan, City of Kenosha/Town of Somers</i>	June 15, 1987

Table 1 (continued)

Functional Area	Plan Element	Plan Document	Date of Adoption
Environmental Planning (continued)	Amendment—Upper Pike River, Lower Pike River, Pike Creek, Airport Branch, and Tributary to Airport Branch	<i>Amendment to the Pike River Watershed Plan, Kenosha and Racine Counties</i>	March 6, 1996
	Oak Creek Watershed Plan	<i>Planning Report No. 36, A Comprehensive Plan for the Oak Creek Watershed</i>	September 8, 1986
Community Assistance Planning	Kenosha Planning District Comprehensive Plan	<i>Planning Report No. 10, A Comprehensive Plan for the Kenosha Planning District, Volume One, Inventory Findings, Forecasts, and Recommended Plans; Volume Two, Implementation Devices</i>	June 1, 1972
	Racine Urban Planning District Comprehensive Plan	<i>Planning Report No. 14, A Comprehensive Plan for the Racine Urban Planning District, Volume One, Inventory Findings and Forecasts; Volume Two, The Recommended Comprehensive Plan; Volume Three, Model Plan Implementation Ordinances</i>	June 5, 1975

^aThe regional land use plan is a fourth-generation plan. The initial regional land use plan was adopted by the Commission on December 1, 1966, and documented in SEWRPC Planning Report No. 7, Land Use-Transportation Study, Volume Three, Recommended Regional Land Use and Transportation Plans—1990. The second-generation regional land use plan was adopted by the Commission on December 19, 1977, and documented in SEWRPC Planning Report No. 25, A Regional Land Use Plan and a Regional Transportation Plan for Southeastern Wisconsin: 2000, Volume One, Inventory Findings, and Volume Two, Alternative and Recommended Plans, and was subsequently amended by the adoption on June 17, 1982, of the Kenosha County and Racine County farmland preservation plans documented, respectively, in SEWRPC Community Assistance Planning Report No. 45, A Farmland Preservation Plan for Kenosha County, Wisconsin, and SEWRPC Community Assistance Planning Report No. 46, A Farmland Preservation Plan for Racine County, Wisconsin; the adoption on June 16, 1983, of the Ozaukee County farmland preservation plan documented in SEWRPC Community Assistance Planning Report No. 87, A Farmland Preservation Plan for Ozaukee County, Wisconsin; the adoption on December 1, 1983, of a land use plan for the Town of Pewaukee and Village of Pewaukee documented in SEWRPC Community Assistance Planning Report No. 76, A Land Use Plan for the Town and Village of Pewaukee: 2000, Waukesha County, Wisconsin; the adoption on March 11, 1985, of a land use management plan for the Chiwaukee Prairie-Carol Beach area of the then Town of Pleasant Prairie documented in SEWRPC Community Assistance Planning Report No. 88, A Land Use Management Plan for the Chiwaukee Prairie-Carol Beach Area of the Town of Pleasant Prairie, Kenosha County, Wisconsin; and the adoption on January 15, 1992, of a land use and transportation system development plan for the IH 94 South Freeway Corridor in Kenosha, Milwaukee, and Racine Counties, documented in SEWRPC Community Assistance Planning Report No. 200, A Land Use and Transportation System Development Plan for the IH 94 South Freeway Corridor, Kenosha, Milwaukee, and Racine Counties. The third-generation regional land use plan was adopted by the Commission on September 23, 1992, and documented in SEWRPC Planning Report No. 40, A Regional Land Use Plan for Southeastern Wisconsin—2010, and was subsequently amended by the adoption on June 21, 1995, of a land use and transportation system development plan for the IH 94 West Freeway Corridor in Waukesha County, documented in SEWRPC Community Assistance Planning Report No. 201, A Land Use and Transportation System Development Plan for the IH 94 West Freeway Corridor: 2010, Waukesha County, Wisconsin, and the adoption on December 4, 1996, of a development plan for Waukesha County, documented in SEWRPC Community Assistance Planning Report No. 209, A Development Plan for Waukesha County, Wisconsin.

^bThe regional transportation plan is a fourth-generation plan. The initial regional transportation plan was adopted by the Commission on December 1, 1966, and documented in SEWRPC Planning Report No. 7, Land Use-Transportation Study, Volume Three, Recommended Regional Land Use and Transportation Plans—1990, and was subsequently amended by the adoption on June 4, 1970, of the Milwaukee County jurisdictional highway system plan documented in SEWRPC Planning Report No. 11, A Jurisdictional Highway System Plan for Milwaukee County; the adoption on March 2, 1972, of the Milwaukee area transit plan set forth in the document entitled Milwaukee Area Transit Plan; the adoption on March 4, 1973, of the Walworth County jurisdictional highway system plan documented in SEWRPC Planning Report No. 15, A Jurisdictional Highway System Plan for Walworth County; the adoption on March 7, 1974, of the Ozaukee County jurisdictional highway system plan documented in SEWRPC Planning Report No. 17, A Jurisdictional Highway System Plan for Ozaukee County; the adoption on June 5, 1975, of the Waukesha County jurisdictional highway system plan documented in SEWRPC Planning Report No. 18, A Jurisdictional Highway System Plan for Waukesha County; the adoption on September 11, 1975, of the Washington County jurisdictional highway system plan documented in SEWRPC Planning Report No. 23, A Jurisdictional Highway System Plan for Washington County; the adoption on September 11, 1975, of the Kenosha County jurisdictional highway system plan documented in SEWRPC Planning Report No. 24, A Jurisdictional Highway System Plan for Kenosha County; and the adoption on December 4, 1975, of the Racine County jurisdictional highway system plan documented in SEWRPC Planning Report No. 22, A Jurisdictional Highway System Plan for Racine County. The second-generation regional transportation system plan was adopted by the Commission on June 1, 1978, and documented in SEWRPC Planning Report No. 25, A Regional Land Use Plan and a Regional Transportation Plan for Southeastern Wisconsin: 2000, Volume One, Inventory Findings, and Volume Two, Alternative and Recommended Plans, and was subsequently amended by the adoption on June 18, 1981, of the Amendment to the Regional Transportation Plan—2000, Lake Freeway South Corridor; the adoption on June 17, 1982, of an amendment pertaining to the Milwaukee area primary transit system documented in SEWRPC Planning Report No. 33, A Primary Transit System Plan for the Milwaukee Area; the adoption on December 2, 1982, of the Amendment to the Regional Transportation Plan—2000, Racine County, and that date's Amendment to the Regional Transportation Plan—2000, Waukesha County; the adoption on September 8, 1983, of an amendment pertaining to a transportation system plan for the northwest side of Milwaukee County and for Ozaukee County documented in SEWRPC Planning Report No. 34, A Transportation System Plan for the Milwaukee Northwest Side/Ozaukee County Study Area; the adoption on December 1, 1983, of the Amendment to the Regional Transportation Plan—2000, Lake Freeway North/Park Freeway East; the adoption on March 11, 1985, of the Amendment to the Regional Transportation Plan—2000, Stadium Freeway South Corridor; the adoption on June 20, 1988, of that date's Amendment to the Regional Transportation Plan—2000, Waukesha County; the adoption on June 20, 1990, of the Amendment to the Washington County Jurisdictional Highway System Plan—2000; the adoption on December 5, 1990, of the Amendment to the Racine County Jurisdictional Highway System Plan—2000 and the Amendment to the Regional Transportation Plan—2000, Kenosha County; the adoption on January 15, 1992, of a land use and transportation system development plan for the IH 94 South Freeway Corridor in Kenosha, Milwaukee, and Racine Counties, documented in SEWRPC Community Assistance Planning Report No. 200, A Land

Table 1 Footnotes (continued)

Use and Transportation System Development Plan for the IH 94 South Freeway Corridor, Kenosha, Milwaukee, and Racine Counties; the adoption on March 4, 1992, of the Amendment to the Walworth County Jurisdictional Highway System Plan—2010; and the adoption on January 18, 1993, of the Amendment to the Ozaukee County Jurisdictional Highway System Plan: 2010. The third-generation regional transportation system plan was adopted by the Commission on December 7, 1994, and documented in SEWRPC Planning Report No. 41, A Regional Transportation System Plan for Southeastern Wisconsin: 2010, and was subsequently amended by the adoption on June 21, 1995, of a land use and transportation system development plan for the IH 94 West Freeway Corridor in Waukesha County, documented in SEWRPC Community Assistance Planning Report No. 201, A Land Use and Transportation System Development Plan for the IH 94 West Freeway Corridor: 2010, Waukesha County, Wisconsin; the adoption on December 6, 1995, of an updated jurisdictional highway system plan for Waukesha County, set forth in a Commission document entitled Amendment to the Waukesha County Jurisdictional Highway System Plan—2010; and the adoption on December 4, 1996, of a development plan for Waukesha County, documented in SEWRPC Community Assistance Planning Report No. 209, A Development Plan for Waukesha County, Wisconsin.

^cThe Racine area transit development plan is a fourth-generation plan. The initial plan was adopted by the Commission on September 12, 1974, and documented in SEWRPC Community Assistance Planning Report No. 3, Racine Area Transit Development Program: 1975-1979. The second-generation plan was documented in SEWRPC Community Assistance Planning Report No. 79, Racine Area Transit System Plan and Program: 1984-1988. The third-generation plan was adopted by the Commission on March 9, 1994, and documented in SEWRPC Community Assistance Planning Report No. 204, Racine Transit System Development Plan: 1993-1997, City of Racine, Wisconsin.

^dThe regional airport system plan is an amended and updated second-generation plan. The first-generation plan was adopted by the Commission on March 4, 1976, and documented in SEWRPC Planning Report No. 21, A Regional Airport System Plan for Southeastern Wisconsin. The second-generation plan was initially adopted by the Commission on June 15, 1987, and documented in the first edition of SEWRPC Planning Report No. 38, A Regional Airport System Plan for Southeastern Wisconsin: 2010.

^eThe Kenosha area transit development plan is a fourth-generation plan. The initial plan was adopted by the Commission on June 3, 1976, and documented in SEWRPC Community Assistance Planning Report No. 7, Kenosha Area Transit Development Plan: 1976-1980. The second-generation plan was adopted by the Commission on March 11, 1985, and documented in SEWRPC Community Assistance Planning Report No. 101, Kenosha Area Transit System Plan and Program: 1984-1988, City of Kenosha, Wisconsin. The third-generation plan was adopted by the Commission on June 17, 1992, and documented in SEWRPC Community Assistance Planning Report No. 183, Kenosha Transit System Development Plan: 1991-1995, City of Kenosha, Wisconsin.

^fThe four 1996 amendments and the single 1997 amendment to the 1978 elderly-handicapped transportation plan supersede and supplement a series of earlier amendments to the 1978 plan. These earlier amendments are as follows: 1) an amendment adopted by the Commission on June 20, 1980, and documented in SEWRPC Community Assistance Planning Report No. 39, A Public Transit System Accessibility Plan, Volume Two, Milwaukee Urbanized Area/Milwaukee County; 2) three amendments adopted by the Commission on September 11, 1980, and documented in SEWRPC Community Assistance Planning Report No. 39, A Public Transit System Accessibility Plan, respectively, in Volume One, Kenosha Urbanized Area; Volume Three, Racine Urbanized Area; and Volume Four, Milwaukee Urbanized Area/Waukesha County; 3) an amendment adopted by the Commission on June 18, 1981, and documented in the Amendment to the Public Transit Accessibility Plan for the Milwaukee Urbanized Area/Waukesha County, City of Waukesha Transit System; 4) five amendments adopted by the Commission on December 7, 1987, and documented, respectively, in SEWRPC Memorandum Report No. 17, A Public Transit Program for Handicapped Persons—City of Waukesha Transit System Utility; SEWRPC Memorandum Report No. 21, A Public Transit Program for Handicapped Persons—Milwaukee County Transit System; SEWRPC Memorandum Report No. 22, A Public Transit Program for Handicapped Persons, Waukesha County Transit System; SEWRPC Memorandum Report No. 23, A Public Transit Program for Handicapped Persons—City of Kenosha Transit System; and SEWRPC Memorandum Report No. 24, A Public Transit Program for Handicapped Persons—City of Racine Transit System; 5) five amendments adopted by the Commission on January 15, 1992, and documented, respectively, in SEWRPC Memorandum Report No. 58, A Paratransit Service Plan for Disabled Persons—Milwaukee County Transit System; SEWRPC Memorandum Report No. 59, A Paratransit Service Plan for Disabled Persons—City of Kenosha Transit System; SEWRPC Memorandum Report No. 60, A Paratransit Service Plan for Disabled Persons—City of Racine Transit System; SEWRPC Memorandum Report No. 61, A Paratransit Service Plan for Disabled Persons—City of Waukesha Transit System Utility; and SEWRPC Memorandum Report No. 62, A Paratransit Service Plan for Disabled Persons—Waukesha County Transit System; 6) five amendments adopted by the Commission on January 18, 1993, and documented, respectively, in SEWRPC Memorandum Report No. 73, A Paratransit Service Plan for Disabled Persons: 1993 Update/Milwaukee County Transit System; SEWRPC Memorandum Report No. 74, A Paratransit Service Plan for Disabled Persons: 1993 Update/City of Kenosha Transit System; SEWRPC Memorandum Report No. 75, A Paratransit Service Plan for Disabled Persons: 1993 Update/City of Racine Transit System; SEWRPC Memorandum Report No. 76, A Paratransit Service Plan for Disabled Persons: 1993 Update/City of Waukesha Transit System Utility; and SEWRPC Memorandum Report No. 77, A Paratransit Service Plan for Disabled Persons: 1993 Update/Waukesha County Transit System; 7) five amendments adopted by the Commission on January 24, 1994, and documented, respectively, in SEWRPC Memorandum Report No. 88, A Paratransit Service Plan for Disabled Persons: 1994 Update/Milwaukee County Transit System; SEWRPC Memorandum Report No. 89, A Paratransit Service Plan for Disabled Persons: 1994 Update/City of Kenosha Transit System; SEWRPC Memorandum Report No. 90, A Paratransit Service Plan for Disabled Persons: 1994 Update/City of Racine Transit System; SEWRPC Memorandum Report No. 91, A Paratransit Service Plan for Disabled Persons: 1994 Update/City of Waukesha Transit System Utility; and SEWRPC Memorandum Report No. 92, A Paratransit Service Plan for Disabled Persons: 1994 Update/Waukesha County Transit System; 8) five amendments adopted by the Commission on January 25, 1995, and documented, respectively, in SEWRPC Memorandum Report No. 96, A Paratransit Service Plan for Disabled Persons: 1995 Update/Milwaukee County Transit System; SEWRPC Memorandum Report No. 97, A Paratransit Service Plan for Disabled Persons: 1995 Update/City of Kenosha Transit System; SEWRPC Memorandum Report No. 98, A Paratransit Service Plan for Disabled Persons: 1995 Update/City of Racine Transit System; SEWRPC Memorandum Report No. 99, A Paratransit Service Plan for Disabled Persons: 1995 Update/City of Waukesha Transit System Utility; and SEWRPC Memorandum Report No. 100, A Paratransit Service Plan for Disabled Persons: 1995 Update/Waukesha County Transit System; and 9) an amendment adopted by the Commission on January 24, 1996, and documented in SEWRPC Memorandum Report No. 106, A Paratransit Service Plan for Disabled Persons: 1996 Update/Milwaukee County Transit System.

^gThe regional water quality management plan grew out of a first-generation regional sanitary sewerage plan adopted by the Commission on May 13, 1974, and documented in SEWRPC Planning Report No. 16, A Regional Sanitary Sewerage System Plan for Southeastern Wisconsin.

and detailed transit development plans for the Kenosha, Racine, Waukesha, and West Bend urban areas and for Ozaukee and Washington Counties.

Ten of the adopted plan elements fall within the broad functional area of environmental planning. These consist of the regional water quality management plan, the regional wastewater sludge management plan, the regional air quality attainment and maintenance plan, and comprehensive watershed development plans for the Root, Fox, Milwaukee, Menomonee, Kinnickinnic, and Pike River watersheds, and for the Oak Creek watershed.

The final two plan elements consist of comprehensive community development plans for the Kenosha and Racine urbanized areas.

During 1999, the Commission adopted an updated short-range transit system development plan for the Kenosha area for the years 1998 through 2002 and 12 amendments to the regional water quality management plan dealing with changes to sanitary sewer service areas at various locations throughout the Region. As appropriate, each of these plan amendments is described subsequently in this *Annual Report*.

THE CYCLICAL NATURE OF THE PLANNING PROCESS

The Commission views the planning process as cyclical in nature, alternating between systems, or areawide, planning, and project, or local, planning. Under this concept, for example, with respect to transportation planning, transportation facilities development and management proposals are initially advanced at the areawide systems level of planning and then an attempt is made to implement the proposals through local project planning. If, for whatever reasons, a particular facility construction or management proposal advanced at the areawide systems planning level cannot be implemented at the project level, that determination is taken into account in the next phase of systems planning. A specific example of this is the Milwaukee River Parkway arterial facility included in the initial regional transportation system plan but rejected in the project planning phase of the cycle. Similar examples could be given for land use development, park and open space facilities, library facilities, flood control facilities, water pollution abatement facilities, or any of the other types of facilities or services that are the subject of Commission plan elements.

By the end of 1979, the second cycle of areawide systems planning for land use, transportation, and water quality management programs had been completed. The resulting plans represent second-generation plans for the Region, incorporating the feedback from the intensive project and facilities planning efforts completed by local agencies after, and in implementation of, the first-generation areawide system plans. In September 1992, the Commission adopted a third-generation regional land use plan as part of the Commission's periodic review and reappraisal of the major elements of the comprehensive regional plan. Similarly, in December 1994, the Commission adopted a third-generation regional transportation system plan as part of this review and reappraisal process. The current, fourth-generation, design year 2020 regional land use and regional transportation system plans adopted in December 1997, meanwhile, were prepared as extensions 10 years into the future of the corresponding year 2010 plans, holding to the basic principles and concepts of the year 2010 plans.

The fourth-generation, design year 2020 regional land use plan is based upon the same three basic concepts underlying the first-, second-, and third-generation regional land use plans, namely, the centralization of new urban land development to the greatest degree practicable, the preservation and protection of primary environmental corridor lands, and the preservation and protection of prime agricultural lands. The fourth-generation regional land use plan is thus conceptually identical to the three previous regional land use plans. Prepared as an extension of the year 2010 regional land use plan, the year 2020 plan incorporates revisions and amendments which reflect development which had occurred or which had been committed to since the completion of the year 2010 plan in 1992, recently completed county and municipal land use plans which are consistent with regional development objectives, and a new set of population, household, and employment forecasts for the Region through the year 2020.

The fourth-generation regional transportation system plan, which also has a design year of 2020, is designed to serve and support the adopted regional land use plan. The regional transportation system plan builds upon three earlier plans, the first adopted in 1966, the second in 1978, and the third in 1994. The currently adopted plan is an extension 10 years into the future of the year 2010 regional transportation plan. The year 2020 plan embodies the basic structure

of the year 2010 plan with only modest amendments as necessary to address additional travel needs expected to materialize over the extended planning period and to appropriately incorporate plan modifications advanced by local units of government since completion of the year 2010 plan. The current plan, like the year 2010 plan, is also designed to help the Region meet the requirements of the Federal Clean Air Act Amendments of 1990 and the Federal Intermodal Surface Transportation Efficiency Act of 1991.

The initial cycle of water quality management planning consisted of the regional sanitary sewerage system plan adopted by the Commission in 1974 and the project-level planning carried out by local water quality management agencies since that time. In July 1979, the Commission adopted a regional water quality management plan, taking into account the results of the project- and facility-level planning efforts of the first planning cycle. The regional water quality management plan differed from the regional sanitary sewerage system plan primarily in scope and complexity, the regional water quality management plan dealing with such areas as regional sludge management and the control of water pollution from nonpoint sources as well as with the control of water pollution from point sources, which was the focus of the first systems-level planning effort. A report documenting the status of the regional water quality management plan, collating and summarizing all implementation actions taken and plan amendments adopted since the adoption of the initial plan in 1979, was completed and published by the Commission in March 1995.

PLAN ELEMENTS UNDER PREPARATION

At the end of 1999, the Commission had under way a number of programs designed to refine, detail, amend, or extend the existing plan elements. These work efforts included the following:

- The preparation of short-range transit system development plans for Waukesha County and for the City of Waukesha and environs.

- The preparation of updated, third-generation, design year 2020 jurisdictional highway system plans for Walworth and Washington Counties.
- The preparation of amendments to the regional water quality management plan relating to the refinement, revision, and updating of planned sanitary sewer service areas for the City of Burlington area, the Village of Dousman area, and the Village of Mukwonago area.
- The preparation of a sanitary sewerage system plan for the northwestern Waukesha County area.
- The preparation of second-generation, design year 2020 park and open space plans for Racine and Walworth Counties.
- The preparation of a comprehensive watershed plan for the Des Plaines River watershed.

FUTURE WORK PROGRAMS

The Commission is committed to carrying out a series of continuing planning efforts designed to ensure that the already adopted plan elements are both kept current and extended in terms of design year. Thus, the Commission annually carries on a continuing regional land use planning program designed in part to update and extend the regional land use and regional park and open space plans; a continuing regional transportation planning program designed to update and extend the regional highway, transit, airport, and bicycle and pedestrian system plans; and a continuing regional environmental planning program designed to update, amend, and extend the series of watershed plans and the regional water quality management plan.

In addition to these major continuing planning efforts, the Commission from time to time prepares supplemental plan elements as a part of the master plan for the physical development of the Region. In so doing, the Commission follows an established policy of preparing a prospectus or a study design prior to undertaking any major new planning efforts. During 1999, no new prospectuses or study designs were completed.

LAND USE PLANNING DIVISION

The Land Use Planning Division conducts studies and prepares plan recommendations concerning the physical aspects of land use development within the Region. The Division is also responsible for developing demographic, economic, and public financial resource data that serve as the basis for the preparation of regional and subregional plans of various types by the Commission. The kinds of basic questions addressed by this Division include the following:

- How many people live and work in the Region? How are the levels of population and employment changing over time?
- Where in the Region do people live and work? How are the population, household, and employment distribution patterns changing over time?
- What are the most probable future levels of population, households, and employment in the Region? Where will people live and work in the future?
- What is the existing pattern of land use development in the Region? How is this pattern changing over time?
- Where are the significant natural resource areas of the Region located, including the wetlands, woodlands, and wildlife habitat areas? What is happening to these resources over time?
- Where are the significant agricultural lands of the Region located? At what rate are these lands being converted to other uses?
- What are the probable future demands within the Region for each of the land use categories, and what appears to be the best way to accommodate these demands?
- How can new urban development and redevelopment in the Region be adjusted to the limitations of the natural resource base?
- What is the demand for outdoor recreation in the Region, and how can this demand best be met

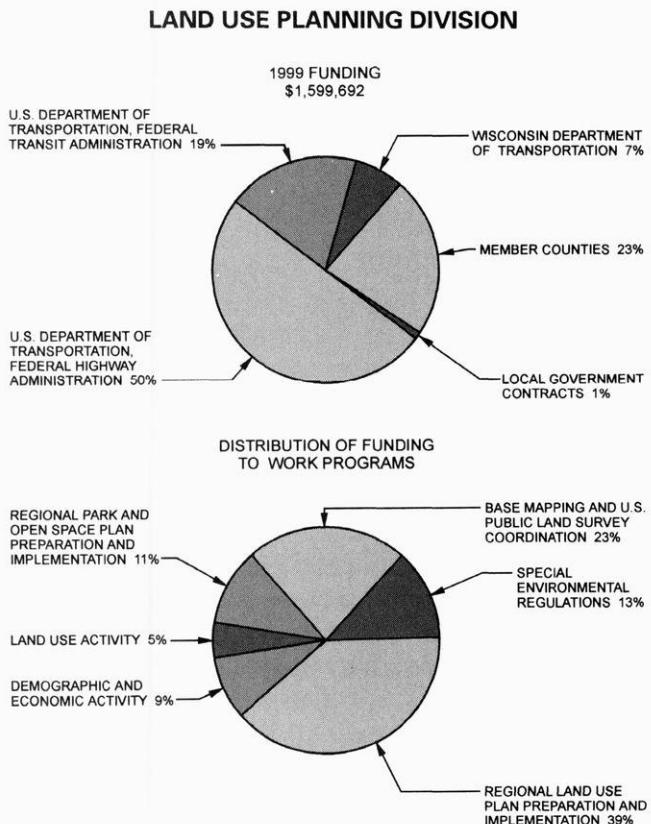
through the provision of park and open space sites and facilities?

In an attempt to provide answers to these and similar questions, the Land Use Planning Division, during 1999, conducted a number of activities in three identifiable areas: land use planning, economic and demographic analysis, and park and open space planning.

LAND USE PLANNING

During 1999, Division efforts in land use planning were directed primarily toward implementation of the adopted regional land use plan. Much of this work involved the extension of regional land use plan data for use in subregional and local planning programs being undertaken by the Commission and by county and local units of government within the Region. The Division also continued to monitor subdivision platting activity within the seven-county Region during 1999.

Figure 6



Regional Land Use Plan—An Overview

The year 2020 regional land use plan, documented in SEWRPC Planning Report No. 45, *A Regional Land Use Plan for Southeastern Wisconsin: 2020*, dated December 1997, was formally adopted by the Commission in that month. The basic concepts of the year 2020 regional land use plan are essentially the same as those underlying the initial, design year 1990 regional land use plan adopted by the Commission in 1966 and the subsequent design year 2000 plan adopted in 1977 and design year 2010 plan adopted in 1992. The design year 2020 plan is shown in graphic summary form on Map 2.

Urban Land Use

The year 2020 regional land use plan recommends that new urban development occur along the periphery of, and outward from, the established urban centers of the Region and as infill development within those urban centers. The plan seeks 1) to centralize land use development insofar as practicable; 2) to encourage new development to occur at densities consistent with the provision of public centralized sanitary sewer, water supply, and mass transit facilities and services; 3) to encourage new urban development to occur only in areas covered by soils well suited to urban use and not subject to special hazards such as flooding and erosion; and 4) to encourage new urban development and redevelopment to occur in areas in which essential urban facilities and services are available or into which such facilities and services can be readily and economically extended. In short, the plan seeks to promote an orderly and economical settlement pattern and to avoid the creation of new developmental and environmental problems.

Under the adopted plan, the amount of land in urban use within the Region would increase from about 637 square miles in 1990 to about 737 square miles in 2020, an increase of about 100 square miles, or 16 percent. New residential development would be encouraged to occur at medium densities, defined as densities of 2.3 to 6.9 dwelling units per acre, with about 69 percent of the total projected increase in households proposed to be accommodated within this density range. New urban development would be provided with basic public utilities, and certain existing urban areas would be retrofitted with public utilities so that by the year 2020, about 84 percent of all urban land and about 91 percent of the total resi-

dent population would be served by public sanitary sewer and water supply services.

Environmentally Sensitive Lands

The adopted land use plan recommends the preservation of those lands within the Region identified as primary environmental corridors in essentially natural, open uses. Such corridors encompass concentrations of natural resource elements, including woodlands, wetlands, wildlife habitat areas, and surface water and associated floodlands and shorelands, as well as features closely related to those elements, such as historical, scenic, and recreational sites. The essentially linear corridors represent a composite of the best remaining elements of the natural resource base of the Region. Including certain agricultural-use floodplains which are envisioned to eventually revert to a natural condition, primary environmental corridors would encompass 474 square miles, or 18 percent of the total area of the Region, under planned conditions.

The preservation of primary environmental corridors is perhaps the single most important element of the regional land use plan. Such preservation is essential to maintenance of a high level of environmental quality in the Region, protection of its natural heritage and beauty, and provision of opportunities for recreational and educational pursuits. The exclusion of urban development from these corridors will also help avoid the creation or intensification of such serious and costly problems as water pollution, wet and flooded basements, building and pavement foundation failures, and excessive infiltration of clear water into sanitary sewerage systems.

The plan also recommends the preservation of certain smaller, but nevertheless significant, concentrations of natural resources, identified as secondary environmental corridors and isolated natural resource areas. These areas should be retained as part of the natural landscape, incorporated as local park and open space reserves, or preserved in other open space uses insofar as practicable, as determined in county and local land use plans.

Agricultural and Rural-Density Residential Land

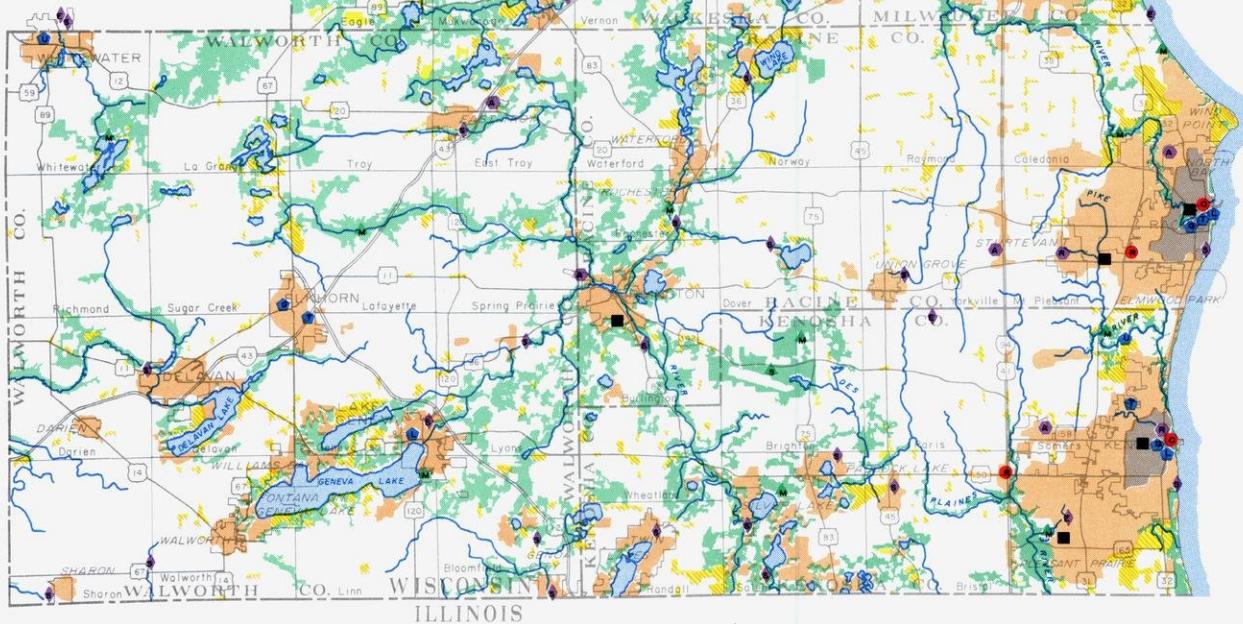
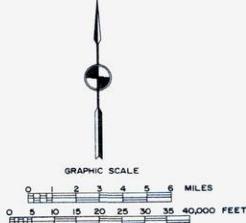
Under the plan, those areas which are neither designated for future urban use nor recommended for preservation as environmentally sensitive areas are identified as "agricultural and rural-density residential land." The plan recommends that these areas be retained in rural

Map 2

ADOPTED LAND USE PLAN FOR THE SOUTHEASTERN WISCONSIN REGION: 2020

LEGEND

- [Yellow Box] SUBURBAN RESIDENTIAL (0.2-0.6 DWELLING UNITS PER NET RESIDENTIAL ACRE)
- [Yellow Box] LOW DENSITY RESIDENTIAL (0.7-2.2 DWELLING UNITS PER NET RESIDENTIAL ACRE)
- [Orange Box] MEDIUM DENSITY RESIDENTIAL (2.3-6.9 DWELLING UNITS PER NET RESIDENTIAL ACRE)
- [Grey Box] HIGH DENSITY RESIDENTIAL (7.0-17.9 DWELLING UNITS PER NET RESIDENTIAL ACRE)
- MAJOR COMMERCIAL CENTER
R—RETAIL
O—OFFICE
- MAJOR INDUSTRIAL CENTER
- ▲ MAJOR PUBLIC OUTDOOR RECREATION CENTER
M—MULTI-USE SITE
S—SPECIAL PURPOSE SITE
- MAJOR TRANSPORTATION CENTER
A—AIRPORT
B—BUS TERMINAL
R—PASSENGER RAIL TERMINAL
S—SEAPORT
- MAJOR UTILITY CENTER
S—PUBLIC SEWAGE TREATMENT PLANT
E—ELECTRIC POWER GENERATION PLANT
- MAJOR GOVERNMENTAL OR INSTITUTIONAL CENTER
G—COUNTY, STATE, OR FEDERAL
ADMINISTRATIVE OFFICE
M—MEDICAL
U—UNIVERSITY
T—TECHNICAL/VOCATIONAL
L—LIBRARY
C—CULTURAL/ENTERTAINMENT
- [Green Box] PRIMARY ENVIRONMENTAL CORRIDOR
- [White Box] AGRICULTURAL AND RURAL-DENSITY RESIDENTIAL LAND
- [Blue Box] WATER



use. The plan encourages the continuation of agricultural uses in these areas. In particular, the plan seeks to preserve, insofar as practicable, the most productive farmlands within these areas—farmlands covered by agricultural capability Class I and Class II soils. The plan recommends that counties in the Region prepare and adopt updated farmland preservation plans which identify prime agricultural lands, appropriately taking into account Class I and Class II soils, among other factors, in this process. The plan further recommends that areas identified as prime agricultural lands in county plans be placed in protective exclusive agricultural zoning districts.

Other lands in this category—lands which are not identified as prime agricultural lands under county farmland preservation plans—are recommended to be retained in rural use. The regional land use plan encourages the continuation of agricultural activity in these areas, recognizing that such activity may occur in the form of smaller farms such as horse farms, hobby farms, or community-supported agricultural operations. Under the plan, development in these areas would be limited to rural-density residential development, defined as development with no more than one dwelling unit per five acres. Where rural-density residential development is accommodated, the plan encourages the use of cluster designs, with dwelling units developed in clusters surrounded by agricultural and other open space sufficient to maintain the overall density of no more than one dwelling unit per five acres.

Local Adoption of the Regional Land Use Plan

Many units of government have acted to formally adopt the design year 1990, 2000, and/or 2010 regional land use plans. The year 2020 regional land use plan was certified to all counties, cities, villages, and towns in the Region in April 1998. Adoption of the year 2020 regional land use plan by the units and agencies of government that have adopted the design year 1990, 2000, or 2010 plans serves to substitute the new plan for the old. By the end of 1999, the year 2020 regional land use plan had been adopted by Kenosha, Milwaukee, Racine, Walworth, Washington, and Waukesha Counties; the Cities of Cedarburg, Hartford, and West Bend; the Villages of Bayside, Brown Deer, Darien, Eagle, Hartland, Kewaskum, and Twin Lakes; and the Towns of Linn and Randall. In addition, as of year's end, the plan had been acknowledged or endorsed by the Wisconsin Department of Administration; the Wisconsin Department of Agricul-

ture, Trade and Consumer Protection; and the Wisconsin Department of Natural Resources.

Residential Subdivision Platting Activity

The Commission annually monitors land subdivision activity within the Region. In all, 3,881 residential lots were created within the Region during 1999 by subdivision plat, compared with 2,830 lots so created in 1998. Of the residential lots created in 1999, 3,406 lots, or about 88 percent, were served by public sanitary sewers; the remaining 475 lots, or about 12 percent, were served by onsite sewage disposal systems (see Table 2 and Map 3). In the seven counties in Southeastern Wisconsin, the number of residential lots created through subdivision plats in 1999 ranged from a low of 166 lots in Ozaukee County to a high of 1,354 lots in Waukesha County. Historical trends in residential platting activity since 1960 are shown for the Region and by county in Figure 7.

ECONOMIC AND DEMOGRAPHIC ANALYSIS

During 1999, the Division continued to monitor secondary data sources for changes in employment, population, and school enrollment levels, and continued to provide socioeconomic data in support of its work and that of the Transportation, Environmental, and Community Assistance Planning Divisions.

Number of Available Jobs

An important measure of economic activity within the Region is the number of available jobs. Since jobs are enumerated at their location, the job data are often referred to in terms of "place-of-work" employment data. It should be noted that the enumeration of jobs does not distinguish between full- and part-time jobs or indicate whether or not a given job is held by a resident of the jurisdiction in which the job is enumerated or by a commuter. The numbers of jobs available in the Region in the years 1980, 1990, and 1999 are set forth in Table 3 by employment category.

The number of jobs in the Region in 1999 was estimated at 1,229,900, an increase of 162,700 jobs, or about 15 percent, over the 1990 level of 1,067,200 jobs. As shown in Table 3, all of the employment sectors provided more jobs in 1999 than in 1990, except for the agriculture sector, which decreased by 1,200 jobs, or about 17 percent. In terms of jobs gained, the largest increase in employment between 1990 and 1999

Table 2
RESIDENTIAL SUBDIVISION PLATTING ACTIVITY IN THE REGION: 1999

County	Sewered Lots		Unsewered Lots		Total Lots	
	Number	Percent of Total	Number	Percent of Total	Number	Percent of Region
Kenosha.....	510	97.5	13	2.5	523	13.5
Milwaukee	458	100.0	0	0.0	458	11.8
Ozaukee	166	100.0	0	0.0	166	4.3
Racine	288	100.0	0	0.0	288	7.4
Walworth	407	92.1	35	7.9	442	11.4
Washington.....	488	75.1	162	24.9	650	16.7
Waukesha.....	1,089	80.4	265	19.6	1,354	34.9
Region	3,406	87.8	475	12.2	3,881	100.0

occurred in the services sector, an increase of 96,500 jobs, or about 32 percent.

Employment distribution by county is shown in Table 4. In all counties in the Region, there were more jobs in 1999 than in 1990, with the largest absolute increase, 89,400 jobs, occurring in Waukesha County.

Comparison of Actual and Alternative Future Employment Levels

In 1995, the Commission developed a new set of projections of regional employment change to the design year 2020. These projections are documented in SEWRPC Technical Report No. 10 (3rd Edition), *The Economy of Southeastern Wisconsin*, October 1995. Because of the uncertainty surrounding future employment levels within the Region, the Commission prepared alternative projections of regional employment levels for the year 2020. Three alternative regional economic activity scenarios were developed. Two of these were intended to represent high-growth and low-growth extremes in future employment levels; the third was intended to identify an intermediate-growth future, that is, a future that lies between the two extremes, and was considered the most likely to come about.

Subsequent to the preparation of the 2020 employment projections and as part of the preparation of the 2020 regional land use plan, the Commission's Technical Coordinating and Advisory Committee on Regional Land Use Planning reviewed the employment pro-

jections in view of recent changes in the economic structure and employment distribution within the Region. Upon completion of this review, the Committee recommended that the intermediate-growth future, as set forth in Technical Report No. 10 (3rd Edition), be used as the basis for the 2020 regional land use plan. The following table, figure, and discussion reflect the employment forecast on which the adopted year 2020 regional land use plan is based, as well as the alternative projections considered.

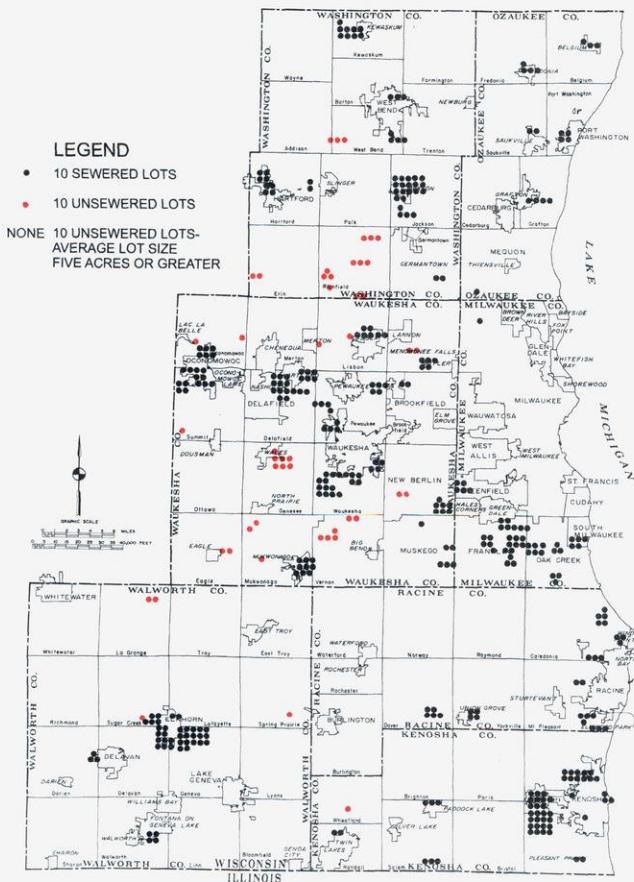
Employment in the Region in 1999 was anticipated to total 1,195,500 jobs under the high-growth scenario; 1,155,600 jobs under the intermediate-growth scenario; and 1,125,700 jobs under the low-growth scenario. The estimated 1999 level of 1,229,900 jobs lies about 3 percent, 6 percent, and 9 percent, respectively, above the levels anticipated under the high-growth, intermediate-growth, and low-growth scenarios. The 1999 employment levels envisioned for the Region and each of its seven counties under each of the three future scenarios and the 1999 estimated actual employment levels within the Region and its constituent counties are set forth in Table 5 and Figure 8.

Resident Population Levels

The size of the resident population of the Region increased from about 1,764,800 residents in 1980 to about 1,810,400 residents in 1990, an increase of about 45,600 residents, or about 3 percent. This increase was considerably greater than the increase of 8,700 residents,

Map 3

RESIDENTIAL PLATTING
ACTIVITY IN THE REGION: 1999



or less than 1 percent, from 1970 to 1980, but still much smaller than the increases of 333,000 residents, or about 27 percent, from 1950 to 1960, and 182,500 residents, or about 12 percent, from 1960 to 1970.

The Wisconsin Department of Administration estimates of 1999 resident population levels within the Region and its constituent counties are set forth in Table 6. The Department has statutory responsibility for preparing intercensal population estimates as a basis for the distribution of State shared taxes to local units of government. These estimates are based upon symptomatic indicators of population change, including automobile registrations, the number of persons filing income-tax returns, and the dollar value of exemptions for dependents claimed on income-tax returns. In 1999, the resident population of the Region was estimated by the Department to be about 1,918,400 persons, an increase of about 108,000 persons, or about 6 percent,

over the 1990 Census population level. Every county in the Region, except Milwaukee County, was estimated to have experienced population increases between 1990 and 1999, ranging from a low of about 8,000 persons, or about 11 percent, in Ozaukee County to a high of about 45,600 persons, or about 15 percent, in Waukesha County. The resident population of Milwaukee County was estimated by the Department to have decreased by about 2,600 persons, or less than 1 percent, between 1990 and 1999.

Between the Census date of April 1, 1990, and January 1, 1999, the total population increase of 108,000 persons is estimated to have resulted from a natural increase of about 103,500 persons and a net in-migration of about 4,500 persons. Natural increase in the Region has been relatively stable since 1980, ranging from about 8,000 persons to 14,000 persons yearly. Since 1990, Milwaukee County has recorded a net out-migration of about 59,500 persons, while all other counties in the Region have recorded net in-migration, ranging from a low of about 3,900 persons in Racine County to a high of about 29,000 persons in Waukesha County.

*Comparison of Actual and
Alternative Future Population Levels*

In 1995, the Commission developed a new set of projections of regional population change to the year 2020. The projections are documented in SEWRPC Technical Report No. 11 (3rd Edition), *The Population of Southeastern Wisconsin*, October 1995. As in the preparation of employment projections, the Commission developed alternative projected resident population levels to the year 2020. Three alternative regional population scenarios were developed, each of which was closely linked to a corresponding economic activity scenario for the Region. Two of these were intended to represent high-growth and low-growth extremes in future population levels; the third was intended to identify an intermediate-growth future, that is, a future that lies between the two extremes, and was considered the most likely to come about. The regional population projections were developed using a cohort-component procedure similar to that used by the Commission in its previous population projection efforts.

Subsequent to the preparation of the 2020 population projections and as part of the preparation of the 2020 regional land use plan, the Technical Coordinating and Advisory Committee on Regional Land Use Planning reviewed the population projections in view of recent

Figure 7

RESIDENTIAL LOTS PLATTED IN THE REGION AND ITS COUNTIES: 1960-1999

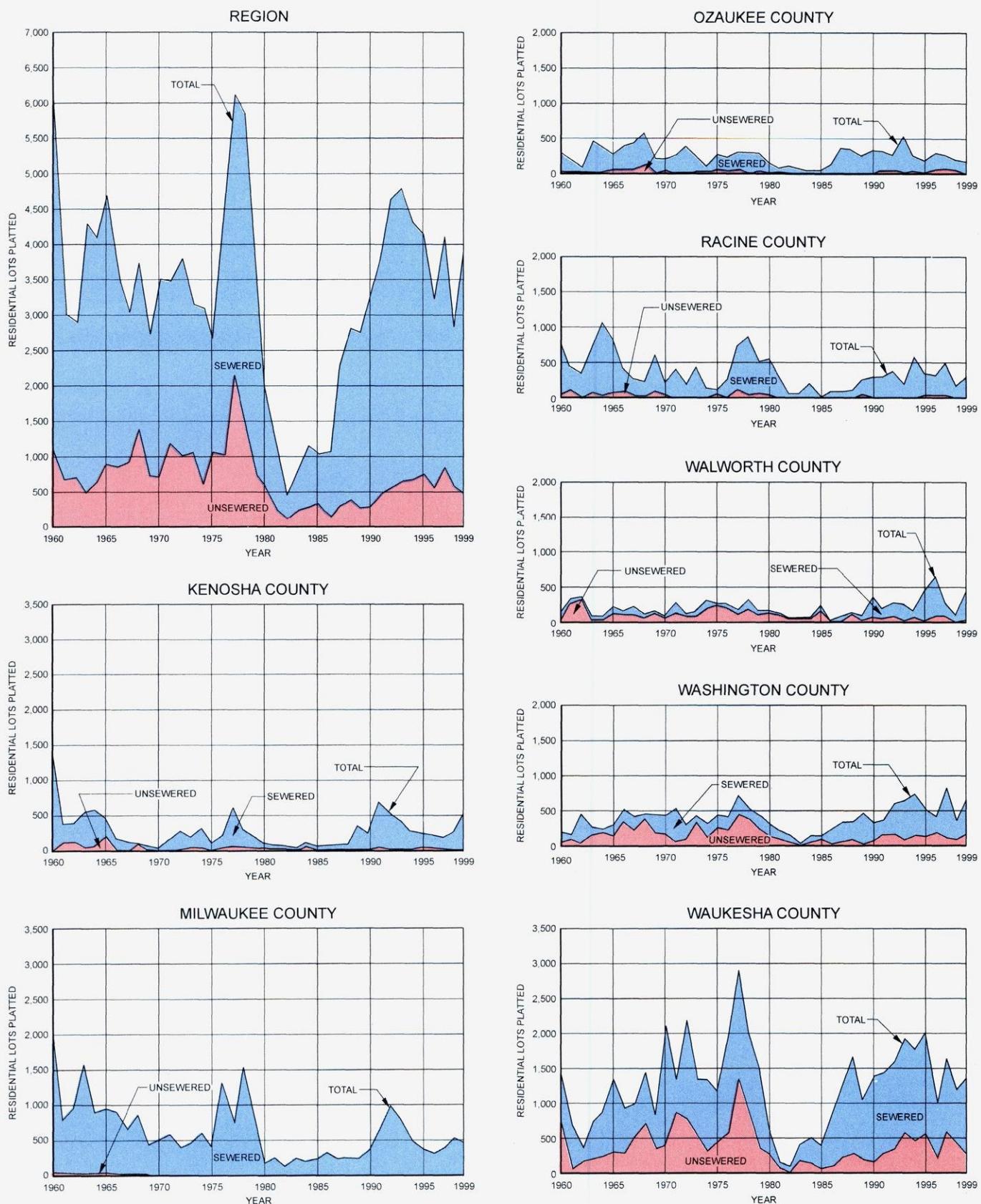


Table 3

REGIONAL EMPLOYMENT BY CATEGORY: 1980, 1990, AND 1999

Employment Category	Number of Jobs			1980-1990 Change		1990-1999 Change	
	1980	1990	1999	Number	Percent	Number	Percent
Agriculture	10,000	7,100	5,900	-2,900	-29.0	-1,200	-16.9
Construction.....	33,800	46,100	55,900	12,300	36.4	9,800	21.3
Manufacturing	264,200	221,600	228,300	-42,600	-16.1	6,700	3.0
Transportation, Communication, and Utilities.....	42,200	46,000	53,300	3,800	9.0	7,300	15.9
Wholesale Trade.....	46,100	54,900	65,000	8,800	19.1	10,100	18.4
Retail Trade.....	153,600	186,400	201,400	32,800	21.4	15,000	8.0
Finance, Insurance, and Real Estate.....	75,200	86,200	94,700	11,000	14.6	8,500	9.9
Services.....	214,100	305,500	402,000	91,400	42.7	96,500	31.6
Government and Government Enterprises ^a	101,600	107,000	112,700	5,400	5.3	5,700	5.3
Miscellaneous ^b	4,400	6,400	10,700	2,000	45.5	4,300	67.2
Total Jobs	945,200	1,067,200	1,229,900	122,000	12.9	162,700	15.2

^aExcludes armed forces.^bIncludes agricultural services, forestry, commercial fishing, mining, and unclassified jobs.

Table 4

REGIONAL EMPLOYMENT BY COUNTY: 1980, 1990, AND 1999

County	Number of Jobs			1980-1990 Change		1990-1999 Change	
	1980	1990	1999 Estimate	Number	Percent	Number	Percent
Kenosha.....	54,000	50,900	66,700	-3,100	-5.7	15,800	31.0
Milwaukee	581,600	613,300	616,800	31,700	5.5	3,500	0.6
Ozaukee	28,100	36,400	53,500	8,300	29.5	17,100	47.0
Racine	80,900	88,800	96,600	7,900	9.8	7,800	8.8
Walworth	33,400	40,200	52,900	6,800	20.4	12,700	31.6
Washington	35,000	46,100	62,500	11,100	31.7	16,400	35.6
Waukesha.....	132,200	191,500	280,900	59,300	44.9	89,400	46.7
Region	945,200	1,067,200	1,229,900	122,000	12.9	162,700	15.2

Table 5

ACTUAL AND PROJECTED NUMBER OF AVAILABLE JOBS BY COUNTY: 1999

County	Estimated 1999 Jobs	Projected 1999 Jobs		
		High-Growth Scenario	Intermediate-Growth Scenario	Low-Growth Scenario
Kenosha	66,700	59,700	57,700	56,200
Milwaukee.....	616,800	658,400	636,500	620,100
Ozaukee.....	53,500	42,900	41,500	40,400
Racine	96,600	100,100	96,800	94,300
Walworth	52,900	54,700	52,800	51,400
Washington.....	62,500	54,100	52,300	50,900
Waukesha.....	280,900	225,600	218,000	212,400
Region	1,229,900	1,195,500	1,155,600	1,125,700

Figure 8

ACTUAL AND PROJECTED REGIONAL AND COUNTY EMPLOYMENT LEVELS: 1970-2020

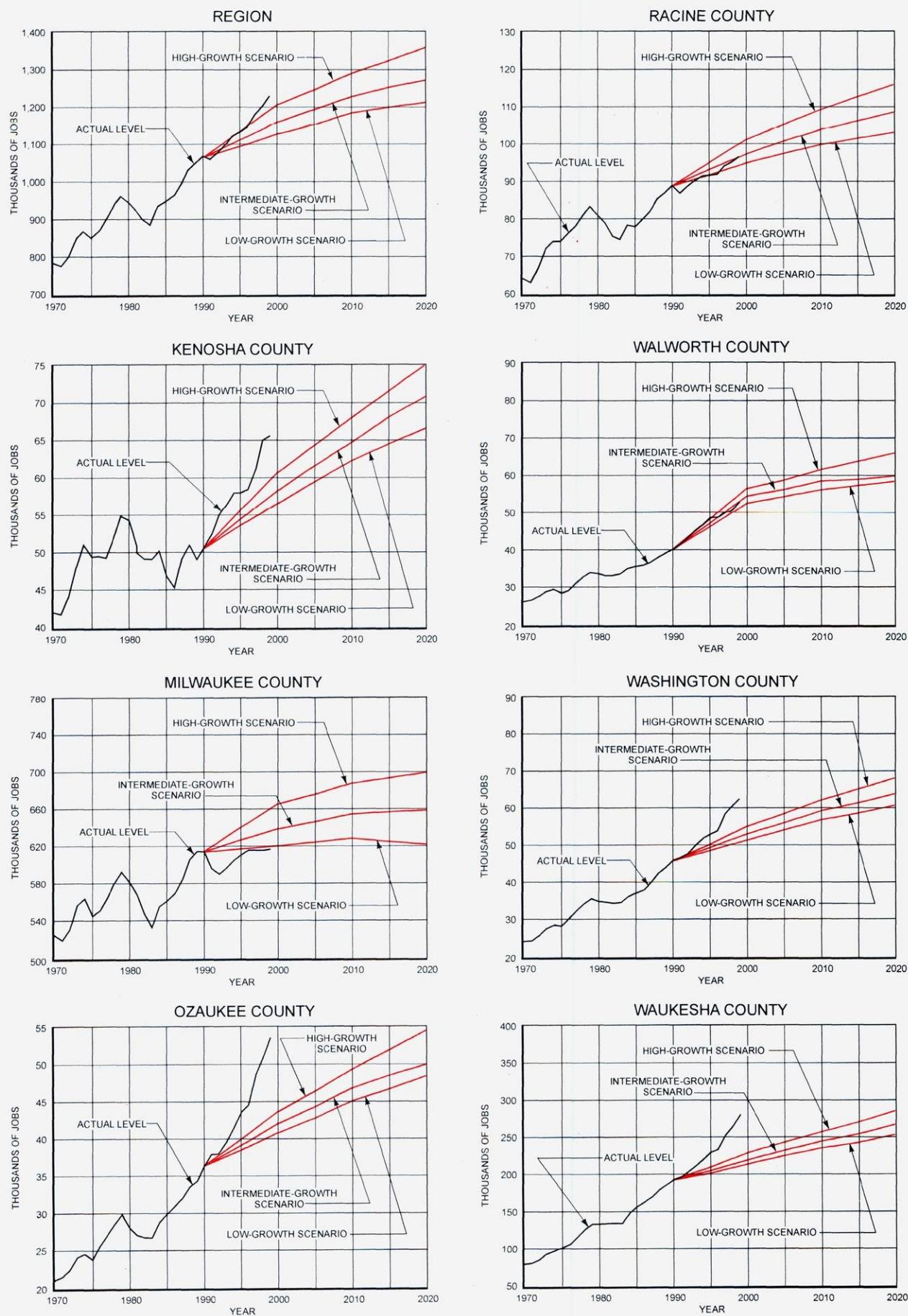


Table 6

POPULATION IN THE SOUTHEASTERN WISCONSIN REGION BY COUNTY: 1980, 1990, AND 1999

County	Population			1980-1990 Change		1990-1999 Change	
	1980 Census	1990 Census	1999 Estimate	Number	Percent	Number	Percent
Kenosha.....	123,100	128,200	142,400	5,100	4.1	14,200	11.1
Milwaukee.....	965,000	959,300	956,700	-5,700	-0.6	-2,600	-0.3
Ozaukee.....	67,000	72,800	80,800	5,800	8.7	8,000	11.0
Racine.....	173,100	175,100	188,900	2,000	1.2	13,800	7.9
Walworth.....	71,500	75,000	85,500	3,500	4.9	10,500	14.0
Washington.....	84,900	95,300	113,800	10,400	12.2	18,500	19.4
Waukesha.....	280,200	304,700	350,300	24,500	8.7	45,600	15.0
Region	1,764,800	1,810,400	1,918,400	45,600	2.6	108,000	6.0

Table 7

ACTUAL AND PROJECTED POPULATION LEVELS BY COUNTY: 1999

County	1999 Population	Projected 1999 Population		
		High-Growth Scenario	Intermediate-Growth Scenario	Low-Growth Scenario
Kenosha.....	142,400	156,300	145,300	136,200
Milwaukee.....	956,700	1,005,600	977,400	957,500
Ozaukee.....	80,800	97,100	83,100	79,900
Racine.....	188,900	195,400	184,100	177,200
Walworth.....	85,500	93,300	84,200	79,600
Washington.....	113,800	133,600	115,100	109,900
Waukesha.....	350,300	400,700	356,100	338,900
Region	1,918,400	2,082,000	1,945,300	1,879,200

population growth and change in the Region. Upon completion of this review, the Committee recommended that the intermediate-growth future, as set forth in Technical Report No. 11 (3rd Edition), be used as the basis for the 2020 regional land use plan. The following table, figure, and discussion reflect the population forecast on which the adopted year 2020 regional land use plan is based, as well as the alternative projections considered.

Under the high-growth scenario, the population level of the Region was anticipated to reach about 2,082,000 persons in 1999. The actual 1999 regional population level of 1,918,400 persons was about 8 percent below this anticipated level. Under the low-growth scenario, the population level of the Region was anticipated to be about 1,879,200 persons in 1999. The actual 1999

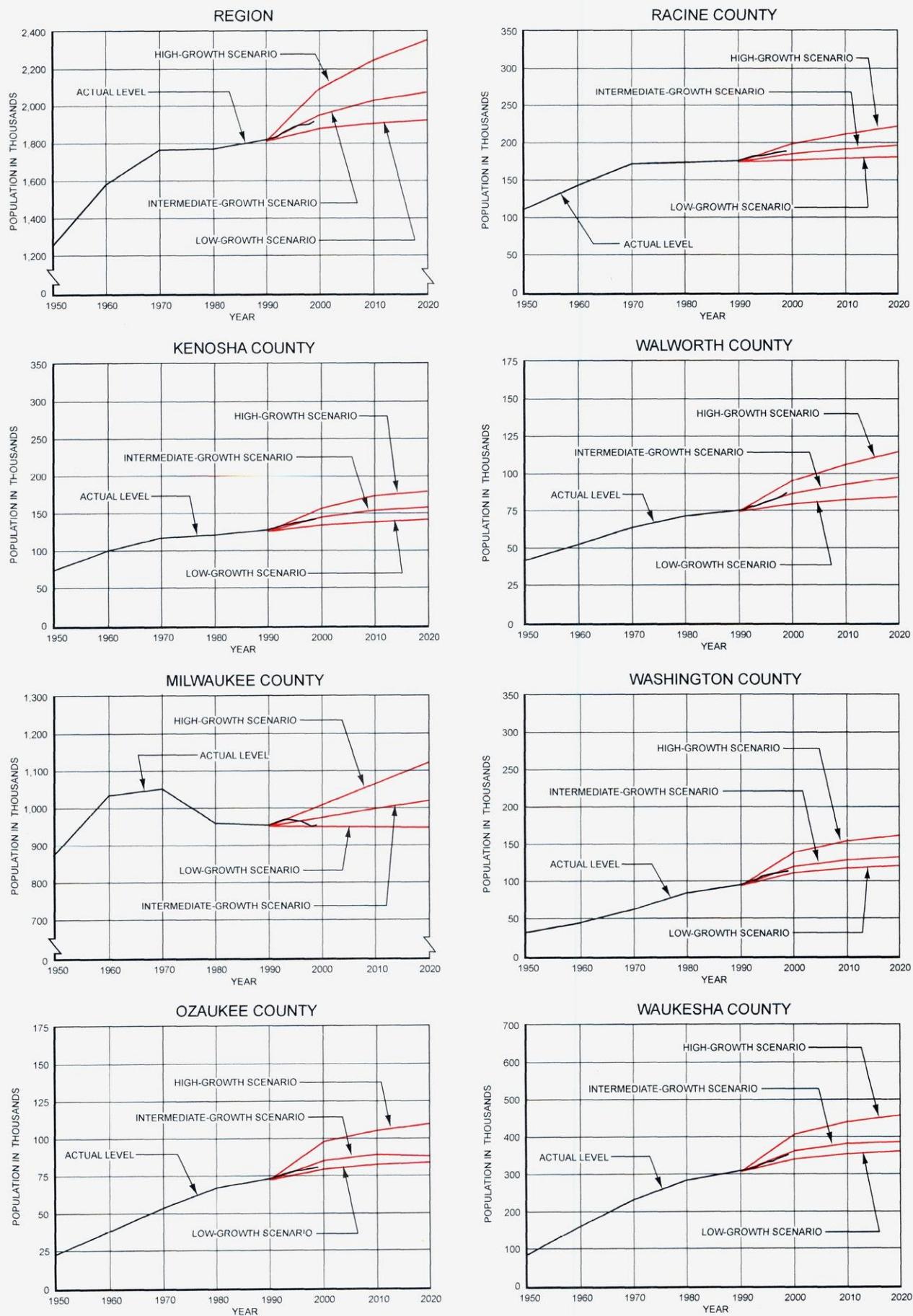
population level was about 2 percent above this level. Under the intermediate-growth scenario, the population level of the Region was anticipated to reach about 1,945,300 persons in 1999. The actual 1999 population level was about 1 percent below this level. The 1999 population levels envisioned for each of the seven counties within the Region under each of these three alternative futures and the 1999 estimated county population levels are set forth in Table 7 and Figure 9.

Household Levels

The Commission annually prepares an estimate of the number of households within the Region. The 1999 estimate is derived from the most recent available estimates of households based upon Census data,

Figure 9

ACTUAL AND PROJECTED REGIONAL AND COUNTY POPULATION LEVELS: 1950-2020



modified to reflect recent residential building-permit and demolition activity.

The number of households in the Region is estimated to have increased from about 628,000 households in 1980 to about 676,100 households in 1990, an increase of 48,100 households, or about 8 percent. This increase is less than the increase in households between 1970 and 1980, 91,500, or about 17 percent, and between 1960 and 1970, when the number of households within the Region increased by about 70,600, or about 15 percent. The increase in the number of households from 1980 to 1990 is also significantly less than the increase in households between 1950 and 1960, when the number of households increased by 111,400, or about 31 percent.

The estimated number of households in the Region in 1999 is shown by county in Table 8. The number of households in the Region is estimated to have increased from about 676,100 households in 1990 to about 744,600 households in 1999, an increase of about 68,500 households, or about 10 percent. Each county in the Region is estimated to have experienced an increase in household levels during the period from 1990 to 1999, ranging from a low of 4,300 households, or about 17 percent, in Ozaukee County to a high of 25,100 households, or about 24 percent, in Waukesha County.

Comparison of Actual and Alternative Future Household Levels

In addition to preparing new employment and population projections to the year 2020, the Commission developed alternative projections of household levels to the year 2020. Three alternative future scenarios—high-growth, intermediate-growth, and low-growth—were developed. Each of these scenarios was closely linked to a corresponding economic and population scenario for the Region. As with the year 2020 employment and population projections, the Technical Coordinating and Advisory Committee on Regional Land Use Planning reviewed the year 2020 household projections in light of recent growth and change in the Region. Upon completion of this review, the Committee recommended that the intermediate-growth future be used as the basis for the 2020 regional land use plan. The following table, figure, and discussion reflect the household forecast on which the adopted year 2020 regional land use plan is based, as well as the alternative projections considered.

Under the high-growth scenario, it was anticipated that there would be 780,400 households in the Region in 1999. The estimated 1999 regional household level of 744,600 is about 5 percent below this anticipated level. Under the low-growth scenario, it was anticipated that there would be 722,600 households in the Region in 1999. The estimated 1999 regional household level is about 3 percent above this level. Under the intermediate-growth scenario, it was anticipated that there would be 739,000 households in the Region in 1999. The estimated 1999 regional household level is less than 1 percent above this level. The actual and alternative future 1999 household levels for each of the Region's seven counties are set forth in Table 9 and Figure 10.

School Enrollment

Enrollment in public and nonpublic schools within the Region totaled about 383,100 students in 1999, representing an increase of 34,200 students, or about 10 percent, over the 1990 level of 348,900 students, as indicated in Table 10. Enrollment in public schools was about 313,000 students in 1999, about 29,800 students, or 11 percent, above the 1990 level of 283,200. Enrollment in nonpublic schools was about 70,100 students in 1999, about 4,400 students, or 7 percent, above the 1990 level of 65,700.

Map 4 shows public school enrollment changes between 1990 and 1999 for public school districts operating wholly or partially within the Region. Union high school districts and their constituent feeder K-8 school districts have been combined into single districts for the purpose of the mapping. A total of 49 districts, or all but six of the public K-12 and the combined union high school and K-8 districts, had higher enrollments in 1999 than in 1990. The changes in enrollment from 1990 to 1999 range from a decrease of about 8 percent in the Greendale School District to an increase of 48 percent in the Elkhorn Area School District.

Census Coordination

The Commission serves as a coordinating agency for the U.S. Bureau of the Census within the seven-county Southeastern Wisconsin Region. Under agreements between the Commission and the Census Bureau, the Commission provides staff services to each county in preparation for the 2000 Federal Census of Population and Housing. During 1999, the Commission staff assisted county and local units of government in the Region in the review and revision of basic Census statistical areas—Census tracts and Census block

Table 8**HOUSEHOLDS IN THE SOUTHEASTERN WISCONSIN REGION BY COUNTY: 1980, 1990, AND 1999**

County	Households			1980-1990 Change		1990-1999 Change	
	1980 Census	1990 Census	1999 Estimate	Number	Percent	Number	Percent
Kenosha	43,100	47,000	54,900	3,900	9.0	7,900	16.8
Milwaukee.....	363,600	373,100	381,400	9,500	2.6	8,300	2.2
Ozaukee.....	21,800	25,700	30,000	3,900	17.9	4,300	16.7
Racine.....	59,400	63,700	70,900	4,300	7.2	7,200	11.3
Walworth.....	24,800	27,600	33,400	2,800	11.3	5,800	21.0
Washington.....	26,700	33,000	42,900	6,300	23.6	9,900	30.0
Waukesha.....	88,600	106,000	131,100	17,400	19.6	25,100	23.7
Region	628,000	676,100	744,600	48,100	7.7	68,500	10.1

Table 9**ACTUAL AND PROJECTED HOUSEHOLD LEVELS BY COUNTY: 1999**

County	1999 Households	Projected 1999 Households		
		High-Growth Scenario	Intermediate-Growth Scenario	Low-Growth Scenario
Kenosha.....	54,900	57,600	54,200	51,400
Milwaukee	381,400	391,000	384,600	381,300
Ozaukee.....	30,000	35,100	30,400	29,600
Racine.....	70,900	72,300	68,900	67,100
Walworth.....	33,400	34,500	31,500	30,100
Washington.....	42,900	48,000	41,800	40,300
Waukesha.....	131,100	141,900	127,600	122,800
Region	744,600	780,400	739,000	722,600

groups—in anticipation of the year 2000 Census. The Commission staff reviewed the existing (1990) Census statistical areas in light of changes in development conditions since 1990; identified potential changes to the area boundaries in accordance with Census Bureau standards; coordinated the local (city-village-town-county) review of the proposed changes; and transmitted maps to the Census Bureau identifying the agreed-upon changes. The Commission undertook this work for each of the seven counties with the exception of Milwaukee County, where the Census statistical area program was coordinated by the City of Milwaukee.

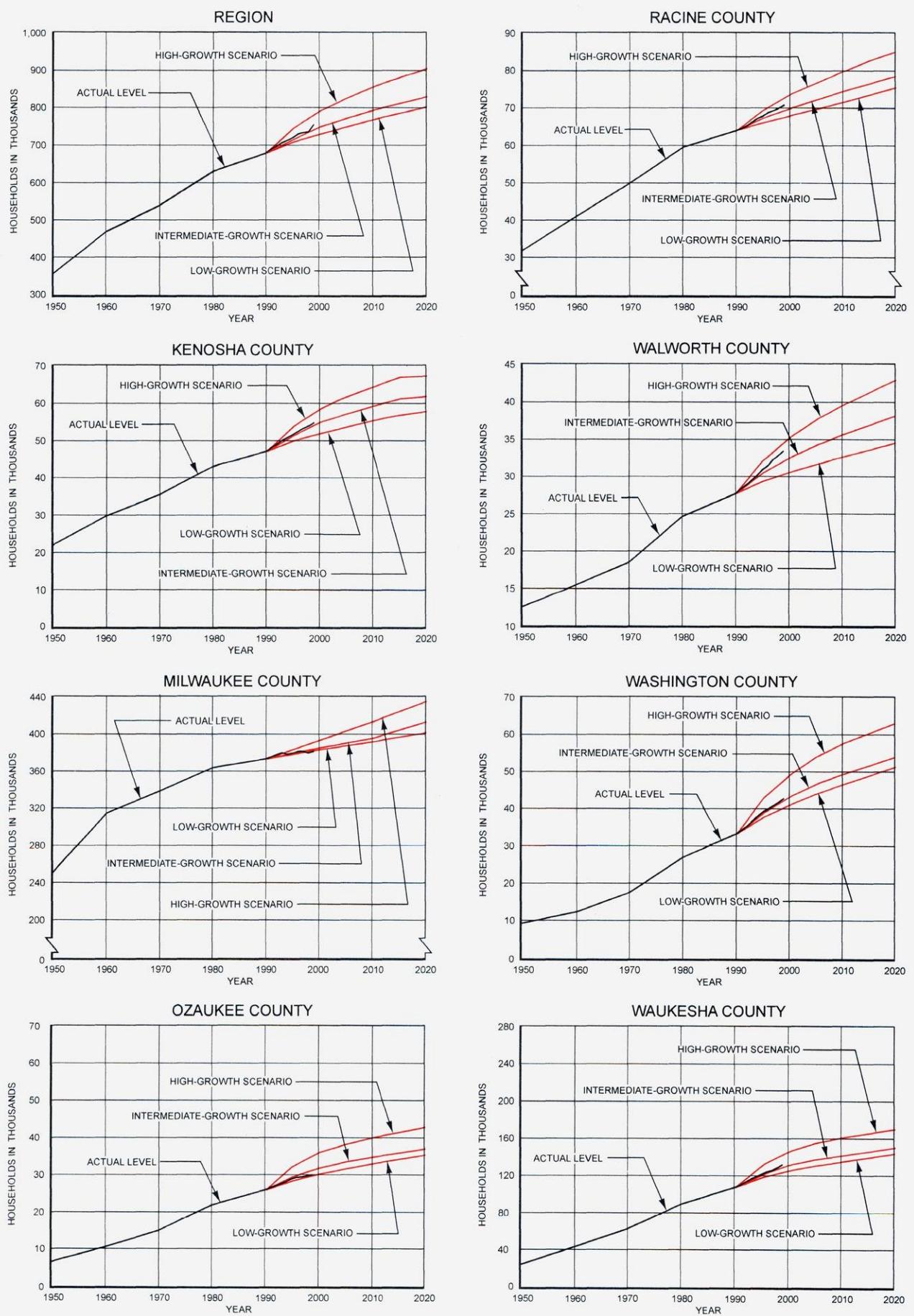
The Commission also participates in the U.S. Census Bureau State Data Center Program, a nationwide program under which the governor of each state designates an agency or group of agencies within the

state government to serve as the lead agency within that state—known as the state data center—for the dissemination of the large volume of information collected and reported by the Census Bureau. Within the State of Wisconsin, the provision of the state data center is a joint function of the Wisconsin Department of Administration and the University of Wisconsin-Madison. Under an agreement between the Commission and the Wisconsin state data center, the Commission serves as an affiliate member of the data center and supplies Census data access and technical assistance to Census data users within the seven-county Southeastern Wisconsin Region.

As part of its continuing Census coordinating function within the Region, the Commission also serves as a clearinghouse and central repository for a wide

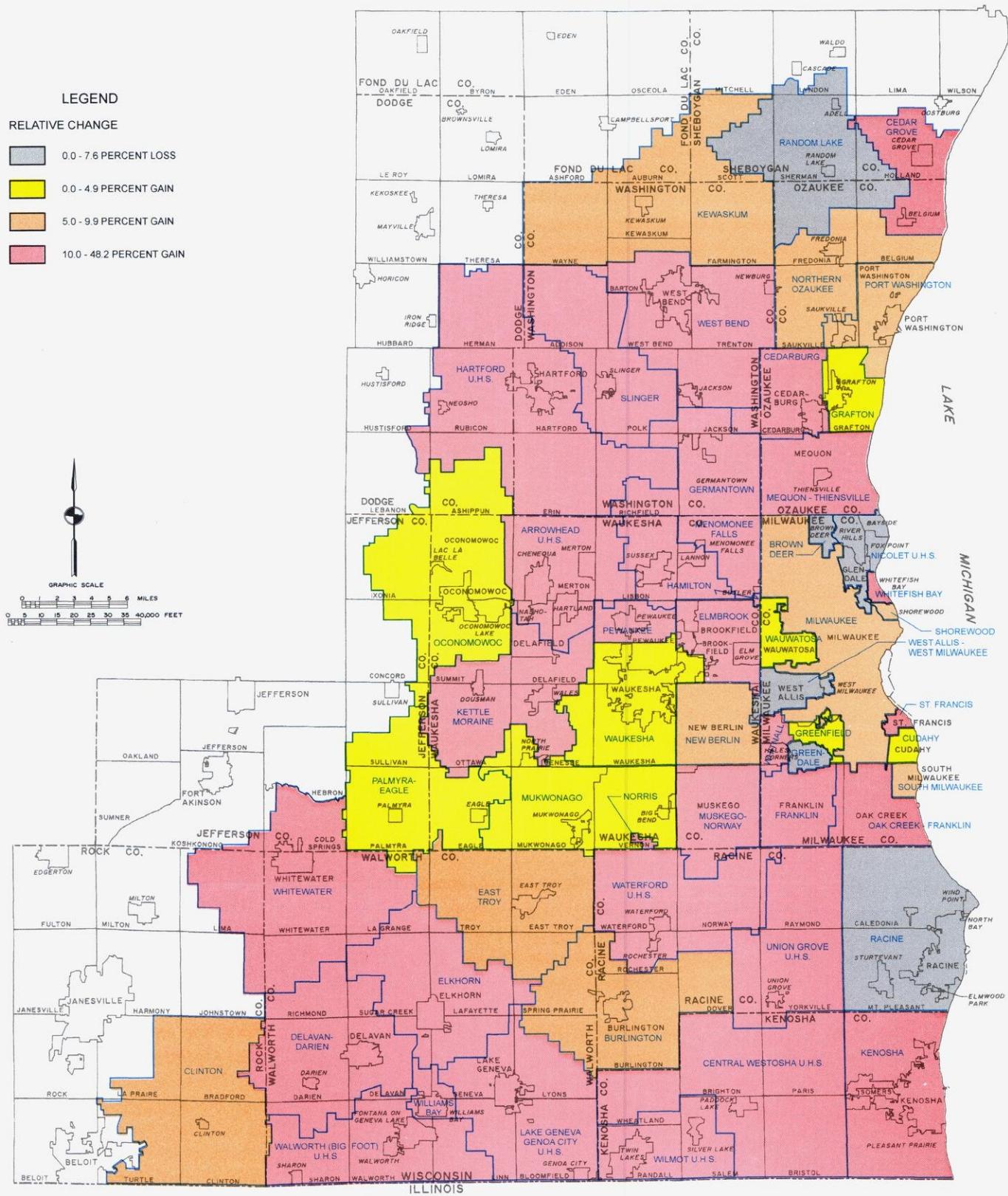
Figure 10

ACTUAL AND PROJECTED REGIONAL AND COUNTY HOUSEHOLD LEVELS: 1950-2020



Map 4

RELATIVE CHANGES IN PUBLIC SCHOOL ENROLLMENT IN THE REGION: 1990-1999



variety of Census data holdings. A computer-readable geographic base file containing street address ranges and Census statistical tabulating and reporting unit boundaries is maintained by the Commission for portions of the Region. Included in the Census material held by the Commission are all published reports, maps, CD-ROMs, and microfiche cards containing data for the Southeastern Wisconsin Region. Assistance is provided to local units of government, the public, and local businesses in accessing these materials.

PARK AND OPEN SPACE PLANNING

Regional Park and Open Space Plan

On December 1, 1977, the Commission adopted a regional park and open space plan for Southeastern Wisconsin consisting of two basic elements: an open space preservation element and an outdoor recreation element. The open space preservation element consisted of recommendations for the preservation of primary environmental corridors within the Region. The outdoor recreation element consisted of the following: 1) a resource-oriented outdoor recreation plan providing recommendations for the number and location of large parks, recreation corridors to accommodate trail-oriented activities, and water-access facilities to enable the recreational use of rivers, inland lakes, and Lake Michigan; and 2) an urban outdoor recreation plan, providing recommendations for the number and distribution of local parks and outdoor recreational facilities required in urban areas of the Region. The initial regional park and open space plan is documented in SEWRPC Planning Report No. 27, *A Regional Park and Open Space Plan for Southeastern Wisconsin: 2000*, November 1977.

The Commission has assisted the counties in the Region in preparing county-level park and open space plans which refine and extend the regional park and open space plan. Upon adoption by the Commission, such plans serve as amendments to the regional park and open space plan.

The major outdoor recreation sites and recreation corridors recommended under the regional park and open space plan, as refined and detailed in county park and open space plans, are shown on Map 5.¹ Shown on

this map are large parks—parks of at least 100 acres in area which provide facilities for a variety of resource-oriented outdoor recreational activities; major recreation corridors accommodating trail-oriented activities; and major special-purpose outdoor recreation sites, such as Henry W. Maier Festival Park in the City of Milwaukee and Old World Wisconsin in the Town of Eagle.

In 1999, the Division staff continued work on an update and extension of the park and open space plan for Racine County, and initiated similar work regarding the park and open space plan for Walworth County. The updated and extended plans are scheduled to be completed in 2000.

Regional Natural Areas and Critical Species Habitat Protection and Management Plan

A regional natural areas and critical species habitat protection and management plan for Southeastern Wisconsin was adopted by the Commission as an

Kenosha County, November 1987, for the portion of Kenosha County located west of IH 94, and SEWRPC Community Assistance Planning Report No. 212, A Comprehensive Plan for the Kenosha Urban Planning District, Kenosha County, Wisconsin, December 1995, for the portion of Kenosha County located east of IH94; SEWRPC Community Assistance Planning Report No. 132, A Park and Open Space Plan for Milwaukee County, November 1991; SEWRPC Community Assistance Planning Report No. 133, A Park and Open Space Plan for Ozaukee County, July 1987; SEWRPC Community Assistance Planning Report No. 134, A Park and Open Space Plan for Racine County, September 1988; SEWRPC Community Assistance Planning Report No. 135, A Park and Open Space Plan for Walworth County, February 1991; SEWRPC Community Assistance Planning Report No. 136 (2nd Edition), A Park and Open Space Plan for Washington County: 2010, August 1997; and SEWRPC Community Assistance Planning Report No. 209, A Development Plan for Waukesha County, Wisconsin, August 1996. Except for the plan for the Kenosha Urban Planning District, the Commission, as of the end of 1999, had adopted each of these plans as amendments to the regional park and open space plan. The plan for the Kenosha Urban Planning District was awaiting Commission adoption at the end of 1999.

¹Map 5 incorporates major outdoor recreation sites and recreation corridors recommended in the following reports: SEWRPC Community Assistance Planning Report No. 131, A Park and Open Space Plan for

Table 10

REGIONAL SCHOOL ENROLLMENT BY COUNTY: 1980, 1990, AND 1999

County	1980	1990	1999	1980-1990 Change		1990-1999 Change	
				Number	Percent	Number	Percent
Kenosha	26,700	25,000	30,100	-1,700	-6.4	5,100	20.4
Milwaukee.....	184,900	178,700	187,900	-6,200	-3.4	9,200	5.1
Ozaukee.....	15,000	13,700	15,800	-1,300	-8.7	2,100	15.3
Racine.....	38,800	35,200	36,400	-3,600	-9.3	1,200	3.4
Walworth.....	13,700	13,200	16,300	-500	-3.6	3,100	23.5
Washington.....	21,500	20,000	23,400	-1,500	-7.0	3,400	17.0
Waukesha.....	68,700	63,100	73,200	-5,600	-8.2	10,100	16.0
Region	369,300	348,900	383,100	-20,400	-5.5	34,200	9.8

amendment to the regional park and open space plan in September 1997. The regional natural areas and critical species habitat plan is documented in SEWRPC Planning Report No. 42, *A Regional Natural Areas and Critical Species Habitat Protection and Management Plan for Southeastern Wisconsin*, dated the month of its adoption.

The planning effort was undertaken to identify the most significant remaining natural areas—essentially, remnants of the pre-European-settlement landscape—as well as other areas vital to the maintenance of endangered, threatened, and rare plant and animal species in the Region. The plan represents an important additional element of the evolving comprehensive plan for Southeastern Wisconsin. It also provides an important supplement to the open space preservation recommendations of the regional land use and park and open space plans.

Under the plan, natural areas are defined as tracts of land or water so little modified by human activity, or which have sufficiently recovered from the effects of such activity, that they contain intact native plant and animal communities believed to be representative of the pre-European-settlement landscape. Critical species habitats are defined as additional tracts of land or water which support endangered, threatened, or rare plant or animal species. The study identified a total of 447 natural areas and 142 critical species habitat sites. The distribution of these sites within the Region is shown on Map 6.

The plan recommends that each of the 589 natural areas and critical species habitat sites be protected and

preserved to the maximum extent practicable as urban and rural development in the Region proceeds. The plan, as amended through the end of 1999, recommends that 539 sites, or 92 percent of the total, be placed in public or private protective conservation ownership and that the other 50 sites be protected, insofar as it is possible, through zoning and other regulatory means without protective ownership. Descriptive information for each natural area and critical species habitat site, along with the recommended means for preservation, is presented in SEWRPC Planning Report No. 42, as amended.

As of the end of 1999, the natural areas and critical species habitat protection and management plan had been adopted by all seven counties, as well as by four cities, eight villages, and four towns in the Region, and had been endorsed by the Wisconsin Natural Areas Preservation Council. In addition, Waukesha County has incorporated the natural areas and critical species habitat sites within the County into its County development plan. The Wisconsin Natural Resources Board formed a committee to investigate the implementation of those portions of the natural areas plan which pertain to the Wisconsin Department of Natural Resources. During 1999, two natural areas—Fellenz Hardwood Swamp in Washington County and 103 acres of Huiras Lake Woods and Bog in Ozaukee County—were purchased by the Ozaukee Washington Land Trust, Inc. The Waukesha County Land Trust purchased the Sawyer Road Sedge Meadow and a portion of the Big Bend Wet-Mesic Woods, both in Waukesha County. In addition, nearly four more acres of Chiwaukee Prairie in Kenosha County were purchased—3.62 acres by The Nature Conservancy and 0.34 acre by the Wisconsin Department of Natural Resources.

Map 5

MAJOR OUTDOOR RECREATION SITES AND CORRIDORS RECOMMENDED UNDER THE REGIONAL PARK AND OPEN SPACE PLAN, AS AMENDED AND AS UNDER PROPOSED AMENDMENTS PENDING AS OF DECEMBER 31, 1999

LEGEND

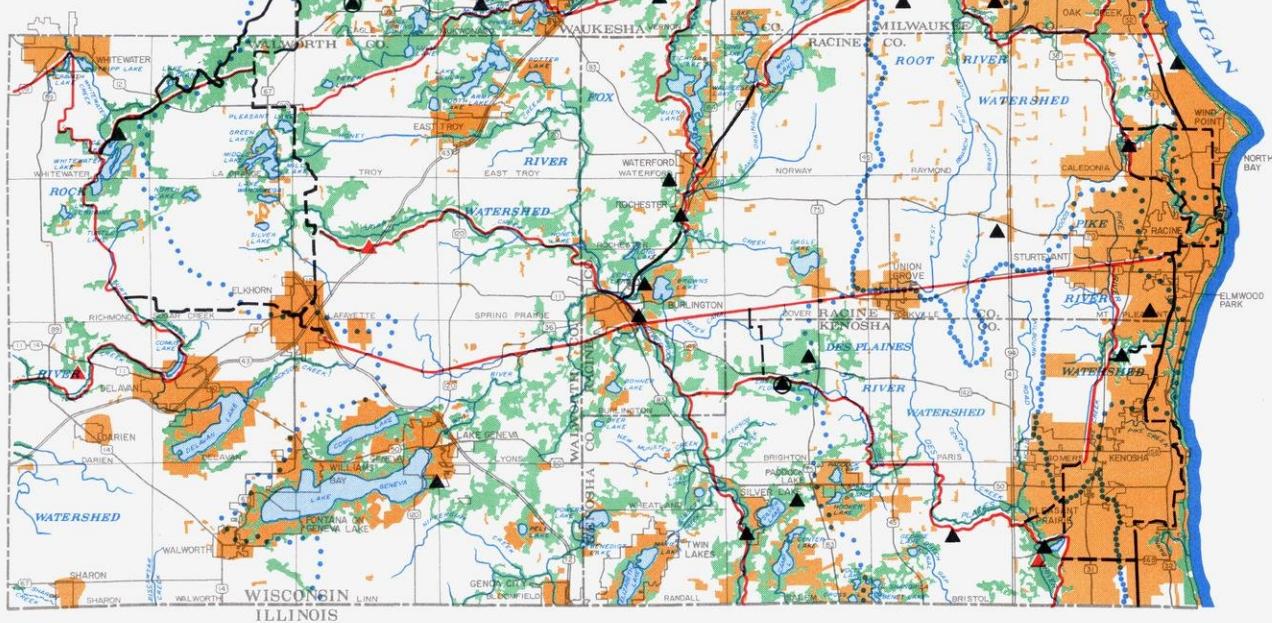
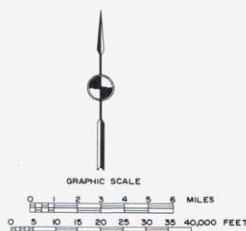
MAJOR OUTDOOR RECREATION SITES AND CORRIDORS

- ▲ EXISTING PARK SITE
- ▲ PROPOSED PARK SITE
- ▲ EXISTING SPECIAL-PURPOSE OUTDOOR RECREATION SITE
- EXISTING RECREATION CORRIDOR
- PROPOSED RECREATION CORRIDOR
- ON STREET ROUTE OR CONNECTING SEGMENT

PLANNED LAND USE

- URBAN DEVELOPMENT
- PRIMARY ENVIRONMENTAL CORRIDOR
- AGRICULTURAL AND RURAL-DENSITY RESIDENTIAL LAND
- WATER

NOTE: INDIVIDUAL COUNTY PARK AND OPEN SPACE PLAN MAPS MAY SHOW GREATER DETAIL FOR SELECTED PARK SITES, RECREATION CORRIDORS AND NATURAL RESOURCE FEATURES.

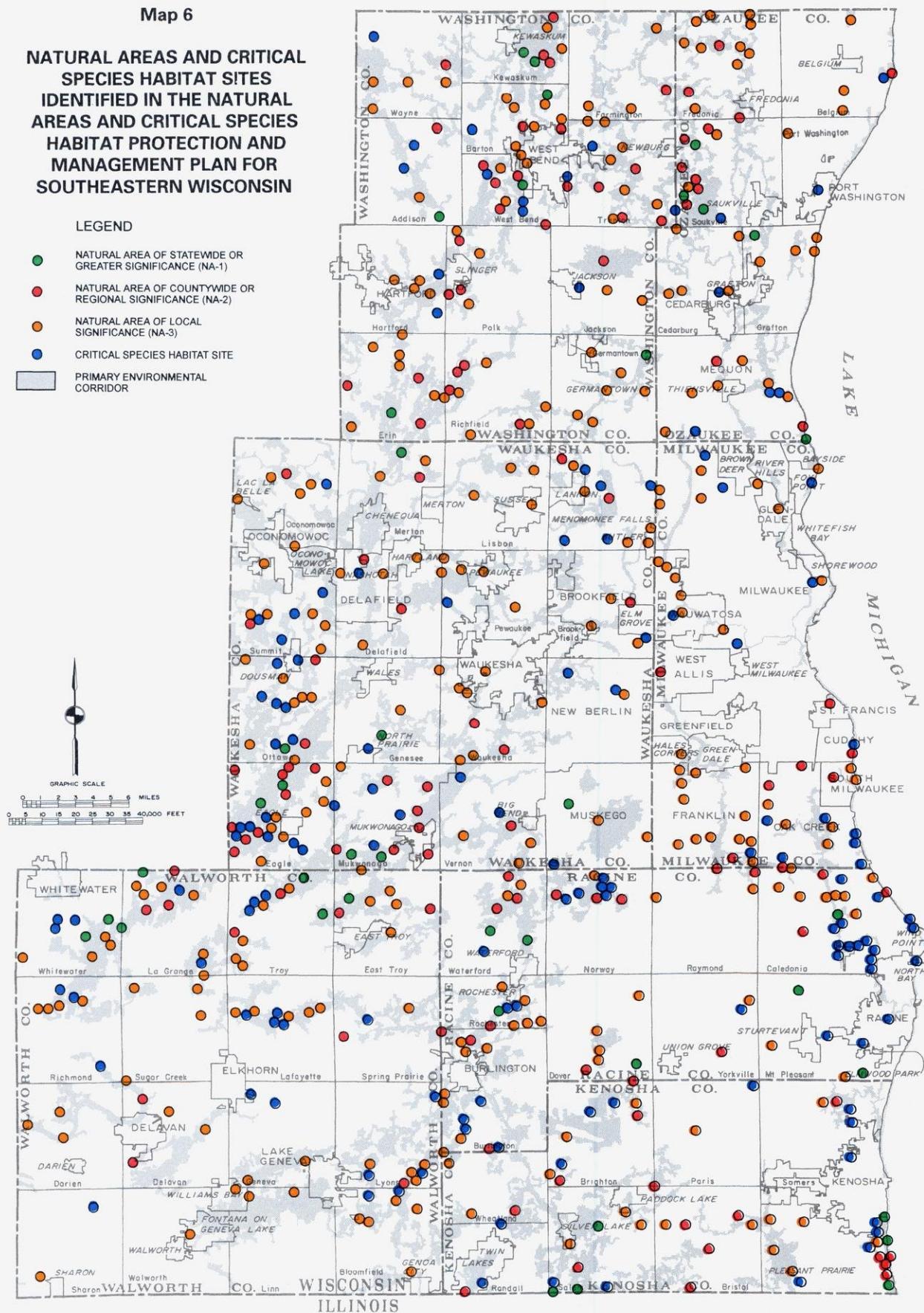


Map 6

**NATURAL AREAS AND CRITICAL
SPECIES HABITAT SITES
IDENTIFIED IN THE NATURAL
AREAS AND CRITICAL SPECIES
HABITAT PROTECTION AND
MANAGEMENT PLAN FOR
SOUTHEASTERN WISCONSIN**

LEGEND

- NATURAL AREA OF STATEWIDE OR GREATER SIGNIFICANCE (NA-1)
- NATURAL AREA OF COUNTYWIDE OR REGIONAL SIGNIFICANCE (NA-2)
- NATURAL AREA OF LOCAL SIGNIFICANCE (NA-3)
- CRITICAL SPECIES HABITAT SITE
- PRIMARY ENVIRONMENTAL CORRIDOR



DATA PROVISION AND TECHNICAL ASSISTANCE

Economic and Demographic Data

The Land Use Planning Division devotes considerable time each year to answering requests for demographic, economic, and related data. This function also includes the provision of technical assistance to local units of government, public agencies, and school districts in the conduct of special data acquisition activities and in the analysis of data.

During 1999, the Division responded to 245 requests for population, economic, and related information from the Commission data files. These requests came from county and local units of government, Federal and State agencies, private firms, and individual citizens. The following are some examples of Division activity during 1999 in performing the data provision and technical assistance function:

- Provision of historical and 2020 planned population data for the Town of Linn Sanitary District to an engineering firm for use in the preparation of a sewerage facilities plan.
- Provision of historical and 2020 planned population data to the Brighton School District No. 1 and to the Palmyra-Eagle Area School District for use in school facility planning.
- Provision of historical and 2020 planned demographic data by U.S. Public Land Survey one-quarter section for the Town of Brookfield and the Powers Lake area to the Wisconsin Department of Administration, Office of Land Information Services, Municipal Boundary Review Section, for use in its review of incorporation proposals.
- Provision of historical and 2020 planned population, household, and employment data to a consulting firm working in conjunction with Sustainable Racine for use in developing a neighborhood revitalization and enhancement plan for a portion of the City of Racine.
- Provision of selected 1990 Census population data for Ozaukee and Washington Counties—including information on age, race, education,

labor force participation, and income—to the American Red Cross for use in a homelessness prevention program.

Land Use, Natural Resource, and Park and Open Space Data

The Commission land use, natural resource, and park and open space data files are used extensively by State, county, and local governmental units and agencies and by private interests. In 1999, the Division responded to 470 requests for land use, natural resource, and park and open space data. Examples of the provision of land use, natural resource, and park and open space data during 1999 include the following:

- Provision of environmental corridor data to a planning consultant for the City of Burlington area for use in local land use planning for the City.
- Provision of 1995 land use data for a portion of the City of Brookfield to the City of Milwaukee Department of Public Works for use in evaluation of public water supply service.
- Provision of review comments and resource-related mapping to the Wisconsin Department of Natural Resources pertaining to the Department's proposed Big Muskego Lake project area.
- Provision of computer-generated plots of wetlands, wildlife habitat, natural areas, slopes, and the suitability of soils for development to the City of Oconomowoc for use in the development of a border agreement between the City and the Town of Summit.
- Provision of historical urban growth data to Marquette University for use in watershed analyses for the Menomonee River and Oak Creek watersheds.
- Provision of computer-generated plots of 1995 land use, environmental corridors, and isolated natural resource areas, wetlands, woodlands, and historical urban growth for Ozaukee County to the Ozaukee County Land Conservation Department for use in the preparation of a land and water resources plan.

Special Environmental Inventories, Assessments, and Evaluations

A continuing demand is placed upon the Commission to help Federal, State, and local units and agencies of government in evaluating and assessing the environmental significance and quality of specific development sites throughout the Region. Each of these evaluations involves field inspection work and requires that a report be prepared and transmitted to the requesting party. During 1999, the Commission fulfilled a total of 192 requests for such information. Most of this work effort may be divided into the following categories:

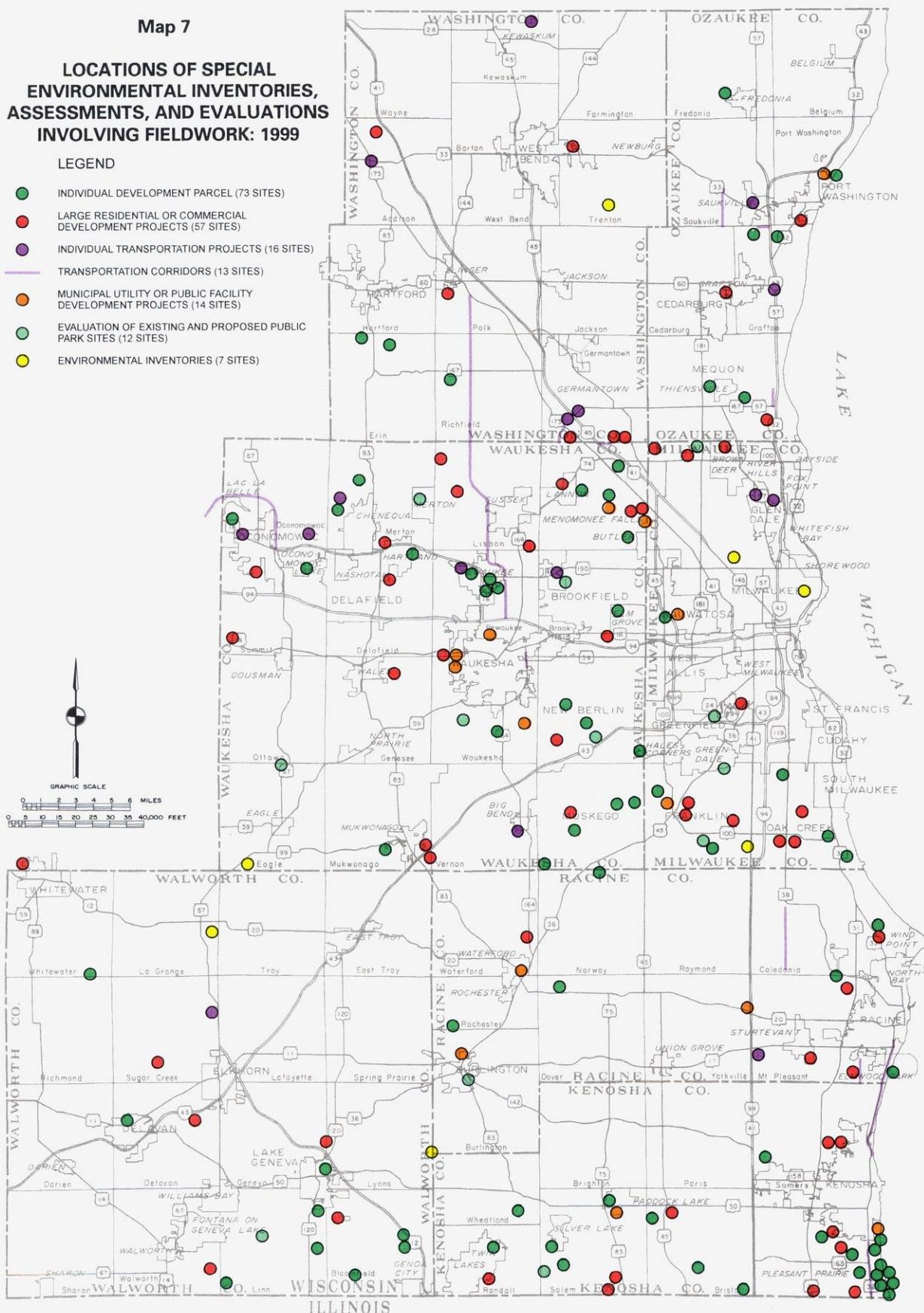
- Requests for the field identification and staking of wetland and primary environmental corridor boundaries on individual parcels in order to facilitate consideration by local governments of private development proposals. During 1999, 73 such requests were fulfilled for sites located throughout the Region (see Map 7). Each of these requests was made by a county or local planner or engineer who needed detailed field information in order to properly carry out local planning and land use control responsibilities. Once delineated in the field by the Commission staff, the precise boundaries of environmentally significant areas were surveyed by private land surveyors retained by the local unit of government or landowner concerned and the results of the survey were placed on land subdivision plats, certified survey maps, and plats of survey.
- Requests for field evaluation, identification, and delineation of wetlands and primary environmental corridors on large sites proposed for residential, commercial, and industrial development to determine whether environmentally sensitive areas of concern occur on such sites. The Commission encourages such evaluations prior to any commitment to detailed site planning. During 1999, such requests were fulfilled for a total of 57 sites located throughout the Region (see Map 7). Once delineated in the field by the Commission staff, the precise boundaries of the environmentally significant areas concerned were surveyed by private land surveyors retained by the local unit of government or landowner concerned and the results of the survey were placed on plats of survey.
- Requests for the field identification and evaluation of environmentally sensitive areas, including wetlands, associated with transportation improvement projects. During 1999, 29 such project-related requests were fulfilled in response to requests by the Wisconsin Department of Transportation, the Waukesha County Department of Transportation, the Milwaukee County Department of Public Works, the Racine County Public Works Division, the Walworth County Highway Department, the Ozaukee County Highway Department, the Washington County Highway Commission, the Town of Kewaskum, the Town of Oconomowoc, the Town of Saukville, the Village of Pewaukee, the Village of River Hills, and the Village of Saukville (see Map 7).
- Requests for the field identification and evaluation of environmentally sensitive areas, including wetlands, associated with municipal utility and community facility development projects. During 1999, 14 such requests were fulfilled in Kenosha, Milwaukee, Ozaukee, Racine, and Waukesha Counties (see Map 7).
- Requests for the field identification and evaluation of environmentally sensitive areas, including wetlands, with particular attention to the evaluation of the flora and fauna present on existing and proposed public park sites in order to assist in the development, redevelopment, and, in some cases, disposal of such sites. During 1999, 12 such requests were fulfilled in Kenosha, Milwaukee, Racine, Walworth, and Waukesha Counties (see Map 7).
- Finally, the Commission fulfilled requests for the survey of specific sites to identify and evaluate the flora and fauna present, including a determination as to whether any rare, threatened, or endangered species occur on the subject sites. During 1999, seven such requests by Federal and State agencies, as well as county and local governments, were fulfilled in Kenosha, Milwaukee, Walworth, Washington, and Waukesha Counties (see Map 7).

Map 7

LOCATIONS OF SPECIAL ENVIRONMENTAL INVENTORIES, ASSESSMENTS, AND EVALUATIONS INVOLVING FIELDWORK: 1999

LEGEND

- INDIVIDUAL DEVELOPMENT PARCEL (73 SITES)
- LARGE RESIDENTIAL OR COMMERCIAL DEVELOPMENT PROJECTS (57 SITES)
- INDIVIDUAL TRANSPORTATION PROJECTS (16 SITES)
- TRANSPORTATION CORRIDORS (13 SITES)
- MUNICIPAL UTILITY OR PUBLIC FACILITY DEVELOPMENT PROJECTS (14 SITES)
- EVALUATION OF EXISTING AND PROPOSED PUBLIC PARK SITES (12 SITES)
- ENVIRONMENTAL INVENTORIES (7 SITES)



TRANSPORTATION PLANNING DIVISION

DIVISION FUNCTIONS

The Commission's Transportation Planning Division makes recommendations concerning various aspects of transportation system development within the Region. The kinds of basic questions addressed by the Division include the following:

- What are the travel habits and patterns in the Region? How are these changing over time?
- What is the existing supply of transportation facilities and services?
- How can existing transportation facilities best be used and transportation demand managed to avoid new capital investment?
- How much future travel will probably be accommodated by the various travel modes, particularly the private automobile and public transit?
- What new transportation facilities are needed to accommodate existing and anticipated future travel demand?
- Who should be responsible for providing needed transportation facilities?
- What are the relationships between land use and travel demand?

In attempting to find sound answers to these and other questions, to formulate plans containing recommendations concerning these questions, and to monitor transportation system development activities in the Region, the Transportation Planning Division during 1999 conducted a number of activities in four major areas: transportation planning support and assistance, which includes data collection and development, model refinement, and technical assistance; transportation systems management and programming; long-range planning; and detailed corridor study projects.

As the official metropolitan planning organization for transportation planning in the Southeastern Wisconsin Region, the Commission not only conducts

transportation planning work programs with its own staff and with consultants, but also oversees related subregional transportation planning by other governmental agencies. In 1999, Milwaukee County undertook such planning work related to transit operations. The Commission is ultimately responsible for all transportation-related planning work funded by Federal agencies. Accordingly, all transportation planning activities bearing upon the Commission overall work program are reported herein, whether or not they are directly conducted by the Commission.

TRANSPORTATION PLANNING SUPPORT AND ASSISTANCE

Data Collection and Development

During 1999, the Division continued to monitor secondary data sources for changes in personal-use

Figure 11

TRANSPORTATION PLANNING DIVISION

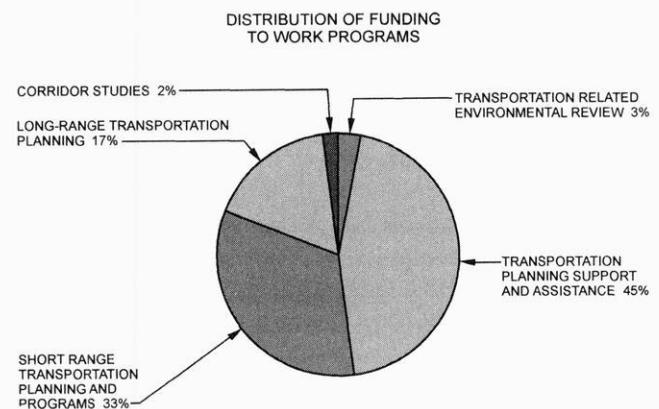
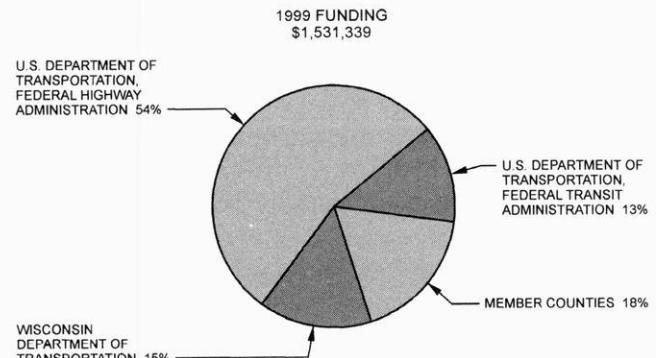


Table 11
PERSONAL-USE VEHICLE AVAILABILITY IN THE REGION^a

County	1963	1972	1998	1999
Kenosha	37,240	51,100	98,600	99,600
Milwaukee	316,350	392,000	541,900	540,290
Ozaukee	16,780	28,030	59,200	59,580
Racine	52,040	73,350	128,000	128,480
Walworth	22,220	33,450	65,500	67,000
Washington	18,340	30,390	84,100	85,590
Waukesha	69,390	114,450	256,000	259,670
Total	532,360	722,770	1,233,300	1,240,210

^aThe classification of automobiles and trucks used in this Annual Report differs from that used in Commission Annual Reports for years prior to 1994. For an explanation of the differences, see footnote 1, this page.

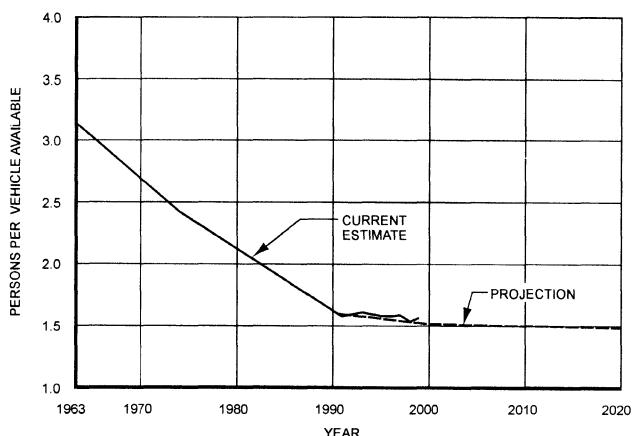
vehicle and commercial truck availability; public transit ridership, stations, and subsidies; carpool parking facility capacity and use; and traffic volumes.

Personal-Use Vehicle and Commercial Truck Availability¹

The number of personal-use vehicles—that is, automobiles, trucks, and vans used by residents of the Region for personal transportation—in 1999 totaled about 1,240,210. This represents an increase of 6,910, or about 0.6 percent, over the 1998 level of 1,233,300 (see Table 11). Increases in personal-use vehicle availability in 1999 occurred in all counties in the Region except Milwaukee County, which experienced a decrease in personal-use vehicle availability of about 1,610 vehicles, or 0.3 percent, from 1998 levels. Over the past 36 years, however, there has been a generally steady, long-term trend of continued increases in the number of personal-use vehicles

Figure 12

PERSONS PER PERSONAL-USE VEHICLE^a



^a THE CLASSIFICATION OF AUTOMOBILES AND TRUCKS USED IN THIS ANNUAL REPORT DIFFERS FROM THAT USED IN COMMISSION ANNUAL REPORTS FOR YEARS PRIOR TO 1994. FOR AN EXPLANATION OF THE DIFFERENCES, SEE FOOTNOTE 1 ON THIS PAGE.

¹The classifications used to estimate vehicle availability in this Annual Report differ from those used in Commission Annual Reports for years prior to 1994. In this report, motor vehicles are divided into "personal-use vehicles" and "commercial trucks." Personal-use vehicles include not only automobiles, but also vans and light trucks available for personal use. Commercial trucks include municipal trucks and light and heavy trucks available for commercial use. In Annual Reports for years prior to 1994, vans and light trucks available for personal use were classified with light trucks available for commercial use.

available to residents of the Region. The average annual rate of growth in personal-use vehicle availability within the Region from 1963 through 1999 was 2.4 percent.

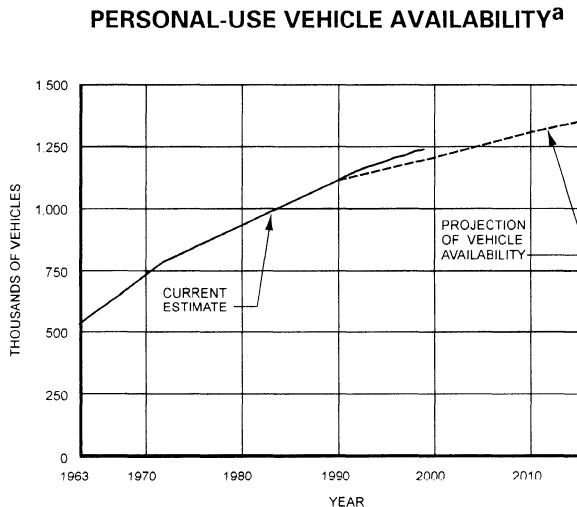
The number of persons per personal-use vehicle within the Region was estimated to be 1.55 in 1999, more than the 1.54 estimated for 1998, as shown in Figure 12. The estimated number of personal-use vehicles available within the Region may be compared to the forecast of personal-use vehicle availability developed under the

Table 12
COMMERCIAL TRUCK AVAILABILITY IN THE REGIONS^a

County	1963	1972	1998	1999
Kenosha	4,370	4,490	9,710	9,830
Milwaukee.....	25,910	26,710	45,030	44,880
Ozaukee	2,270	2,550	5,790	5,900
Racine	5,670	6,460	13,030	13,230
Walworth	4,190	4,840	8,620	8,830
Washington	3,210	4,080	8,860	8,900
Waukesha	7,780	10,280	28,690	29,160
Total	53,400	59,410	119,730	120,730

^aThe classification of automobiles and trucks used in this Annual Report differs from that used in Commission Annual Reports for years prior to 1994. For an explanation of the differences, see footnote 1, page 48.

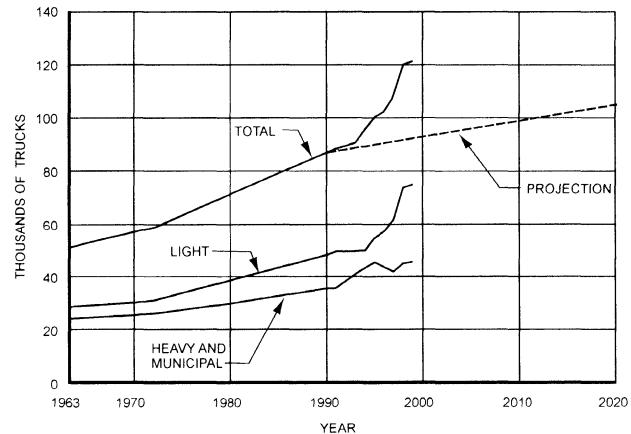
Figure 13



^a THE CLASSIFICATION OF AUTOMOBILES AND TRUCKS USED IN THIS ANNUAL REPORT DIFFERS FROM THAT USED IN COMMISSION ANNUAL REPORTS FOR YEARS PRIOR TO 1994. FOR AN EXPLANATION OF THE DIFFERENCES, SEE FOOTNOTE 1, PAGE 48.

Figure 14

COMMERCIAL-USE TRUCK AVAILABILITY^a



^a THE CLASSIFICATION OF AUTOMOBILES AND TRUCKS USED IN THIS ANNUAL REPORT DIFFERS FROM THAT USED IN COMMISSION ANNUAL REPORTS FOR YEARS PRIOR TO 1994. FOR AN EXPLANATION OF THE DIFFERENCES, SEE FOOTNOTE 1, PAGE 48.

long-range regional transportation system plan, as shown in Figure 13, which depicts the historical year-to-year estimate of personal-use vehicle availability and the forecast growth in personal-use vehicle availability. The 1999 forecast personal-use vehicle availability level was 1,198,300 under the adopted regional transportation system plan. Thus, the estimated 1999 regional personal-use vehicle availability level of 1,240,210 was 41,910 vehicles, or about 3.5 percent, higher than the personal-use vehicle availability level envisioned under the adopted regional transportation system plan.

The number of commercial and municipal trucks available in the Region during 1999 totaled about 120,730, an increase of about 1,000, or about 0.8 percent, over the 1998 level of 119,730 trucks (see Table 12 and Figure 14). In 1999, increases in commercial motor-truck availability occurred in all counties of the Region except Milwaukee County, which experienced a decrease of about 150 vehicles, or about 0.3 percent, from 1998 levels. Light commercial trucks accounted for about 54 percent of all commercial trucks in 1963, 56 percent of all commer-

Table 13
PUBLIC TRANSIT RIDERSHIP

Transit Services	1963	1972	1991	1998	1999	Percent Change 1998-1999
Intracounty Systems						
Milwaukee County	88,546,000	52,141,000	46,460,000	47,151,800 ^a	48,776,900	3.4
City of Racine	2,907,000	526,000	1,829,000	1,516,800	1,526,800	0.7
City of Kenosha.....	1,876,000	503,000	1,128,000	1,529,800	1,688,800	10.4
City of Waukesha	451,000	227,000	434,000	584,200	571,500	-2.2
City of Whitewater.....	--	--	38,000	27,300	23,800	-12.8
City of Hartford	--	--	8,000	21,400	20,100	-6.1
City of West Bend	--	--	--	112,900	127,100	12.6
City of Port Washington	--	--	--	24,300	24,800	2.1
Ozaukee County	--	--	--	24,000	35,100	46.2
Washington County	--	--	--	22,200	35,800	61.3
Subtotal	93,780,000	53,397,000	49,897,000	51,014,700	52,830,700	3.6
Intercounty Systems						
Waukesha-Milwaukee Counties.....	534,000 ^b	240,000	290,000	607,600 ^a	664,900	9.4
Kenosha-Racine-Milwaukee Counties	230,000 ^b	153,000	82,000	71,600	69,700	-2.7
Ozaukee-Milwaukee Counties.....	127,000	64,000	--	96,500	83,100	-13.9
Washington-Milwaukee Counties	--	--	--	--	24,100	--
Subtotal	891,000	457,000	372,000	775,700	841,800	8.5
Region Total	94,671,000	53,854,000	50,269,000	51,790,400	53,672,500	3.6

^aThe 1998 ridership levels for the Milwaukee County and Waukesha County transit systems differ from the ridership levels reported in the Commission's 1998 Annual Report. The revised figures take into account the fact that Waukesha County agreed to assume public sponsorship, beginning in 1998, of two bus routes operated by the Milwaukee County Transit System since 1995 and 1996 that, while serving employment centers in Waukesha County, had previously been reported as part of the Milwaukee County system. Reported revenue bus-miles operated during 1998 by the two systems have also been adjusted accordingly in this Annual Report.

^bEstimated.

cial trucks in 1972, 62 percent of all commercial trucks in 1998, and 63 percent of all commercial trucks in 1999. The number of light commercial trucks available in 1999 totaled about 75,720, an increase of 1,670, or about 2.3 percent, over the 1998 level of 74,050. The number of heavy trucks and municipal trucks totaled 45,010 in 1999, a decrease of about 670 trucks, or about 1.5 percent, from the 1998 level of 45,680. The average annual rate of growth in commercial motor-truck availability within the Region from 1963 through 1999 was 2.3 percent.

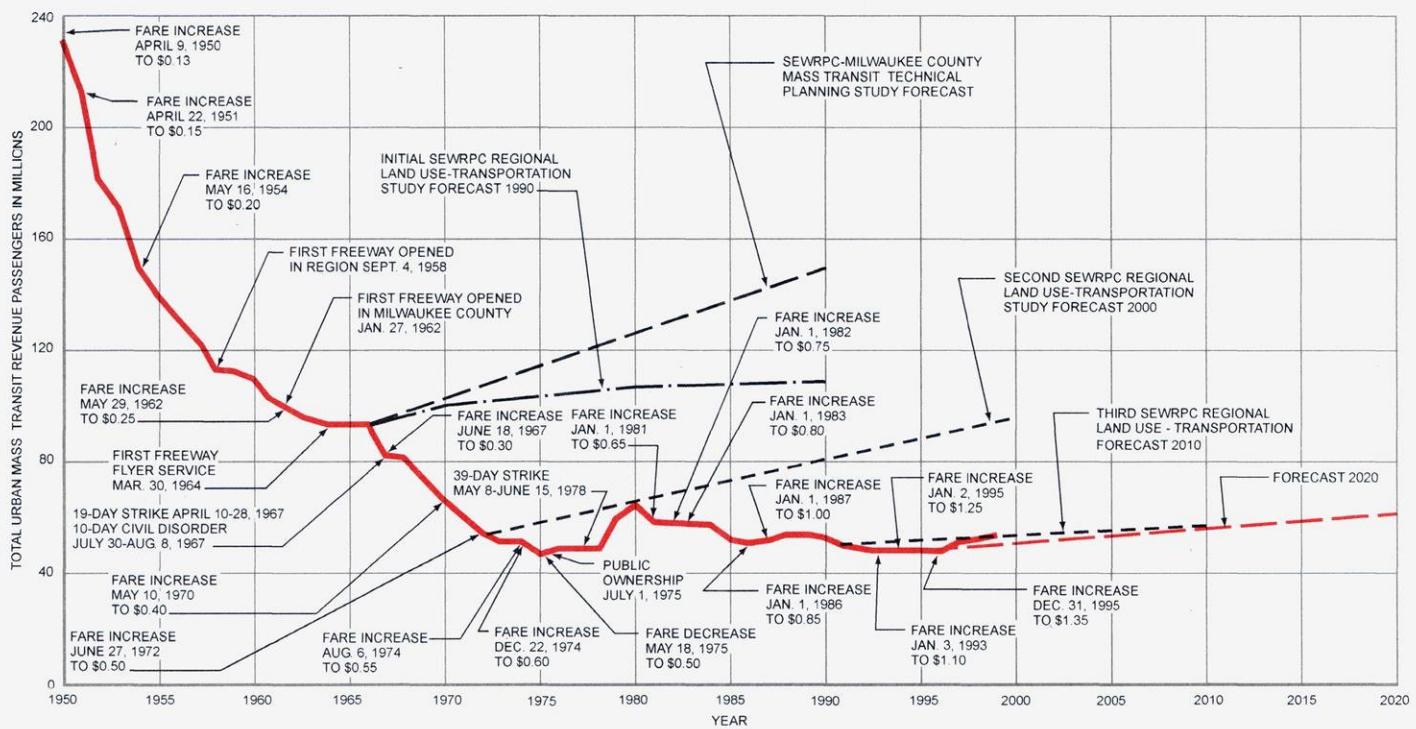
Public Transit Ridership

Publicly owned mass transit service was provided in the Region in 1999 through 10 intracounty systems

and four intercounty systems (see Table 13 and Figure 15). As shown in Table 13, total public transit ridership in the Region increased from about 51.8 million passengers in 1998 to about 53.7 million passengers in 1999, an increase of about 4 percent. While this increase is attributable primarily to the 1999 increase in ridership on the transit system operated by Milwaukee County, ridership increases also occurred on seven of the other 12 systems within the Region operating in 1998 and 1999. Systems that experienced ridership decreases included the intracounty services operated by the Cities of Waukesha, Whitewater, and Hartford, and the Kenosha-Racine-Milwaukee-area and the Ozaukee-Milwaukee Counties intercounty services. In addition, shared-ride taxicab systems initiated by Ozaukee and Washington Counties in 1998 and a new commuter-oriented bus ser-

Figure 15

HISTORICAL TREND IN PUBLIC TRANSIT RIDERSHIP IN THE REGION



vice between Washington and Milwaukee Counties initiated in 1999 also contributed to higher regional ridership levels.

Intracounty Services

Milwaukee County

Ridership on the Milwaukee County Transit System, which provides publicly subsidized, fixed-route transit service, increased during 1999 to about 48.8 million revenue passengers from about 47.2 million revenue passengers in 1998, or by about 3 percent (see Figure 16). System ridership increased for a fifth consecutive year, something which has never previously occurred since the County began public operation of the system in 1975. During 1999, the basic cash fare

for the Milwaukee County Transit System remained stable at \$1.35 per one-way trip, as did fares for freeway flyer bus service, which remained at \$1.60 per one-way trip. One factor contributing to the ridership increase was the largest set of service changes for the system in over 10 years, implemented in April 1999. The service changes included the addition of three new routes and the expansion of service on nine others. The County received Federal and State grants totaling about \$1.8 million to fund the service improvements, which were directed at providing transit access to jobs in Milwaukee and Waukesha Counties. The number of bus-miles operated in revenue service by the Milwaukee County Transit System increased by about 7 percent during 1999, from about 18.1 million bus-miles in 1998 to about 19.3 million bus-miles in 1999.

Figure 16

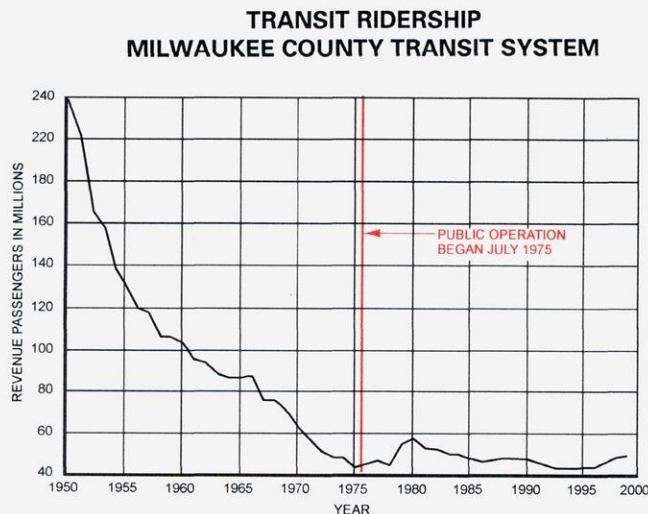
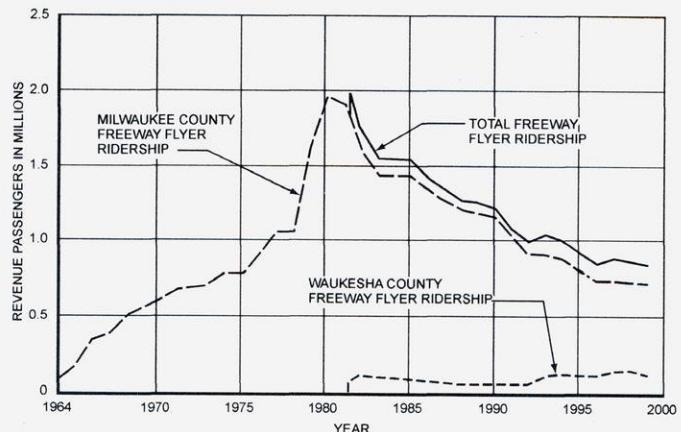


Figure 17

**FREEWAY FLYER RIDERSHIP: MILWAUKEE
AND WAUKESHA COUNTY TRANSIT SYSTEMS**



During 1999, freeway flyer bus service was operated by Milwaukee County from 15 outlying parking terminals to either the Milwaukee central business district or the University of Wisconsin-Milwaukee. Ridership on the freeway flyer bus service totaled about 706,100 revenue passengers in 1999, a decrease of about 3 percent from the estimated 724,700 revenue passengers carried in 1998 (see Figure 17). This decrease in freeway flyer ridership may be attributed in part to continued low fuel prices, ample and reasonably priced parking in the Milwaukee central business district, and the continuing decentralization of jobs to outlying communities.

City of Racine

During 1999, ridership on the fixed-route public transit system serving the City of Racine and environs increased by about 1 percent, from the 1998 level of approximately 1,516,800 revenue passengers to about 1,526,800 revenue passengers in 1999 (see Figure 18). This ridership increase reflects continued ridership growth on the weekday evening bus service initiated in May 1998. The basic cash fare for bus service remained at \$1.00 per one-way trip for adults, unchanged from 1998. The number of bus-miles operated in revenue service increased by about 1 percent during 1999, from about 1,326,000 bus-miles in 1998 to about 1,339,700 bus-miles in 1999.

To assist in the public operation of the system, the Commission, at the request of the City of Racine, has routinely prepared short-range transit system development plans setting forth recommendations for service changes and capital improvements. Each such plan has covered a five-year period. The current plan for the Racine transit system is documented in SEWRPC Community Assistance Planning Report No. 233, *Racine Area Transit System Development Plan: 1998-2002, City of Racine, Wisconsin*, October 1997, and was summarized in the Commission's 1997 *Annual Report*. The Commission adopted this plan as an updated element of the comprehensive regional plan in September 1998. Most of the service changes recommended under the transit system development plan were implemented in May 1998.

City of Kenosha

Ridership on the fixed-route public transit system serving the City of Kenosha increased during 1999 (see Figure 19) to approximately 1,688,800 revenue passengers, an increase of about 10 percent from the 1998 ridership level of about 1,529,800 revenue passengers. The number of bus-miles operated in revenue service totaled about 1,118,800, representing an increase of about 2 percent over the 1,100,500 bus-miles operated during 1998. The increases in system ridership and service levels in 1999 reflect a full year of operation with improvements to weekday

Figure 18

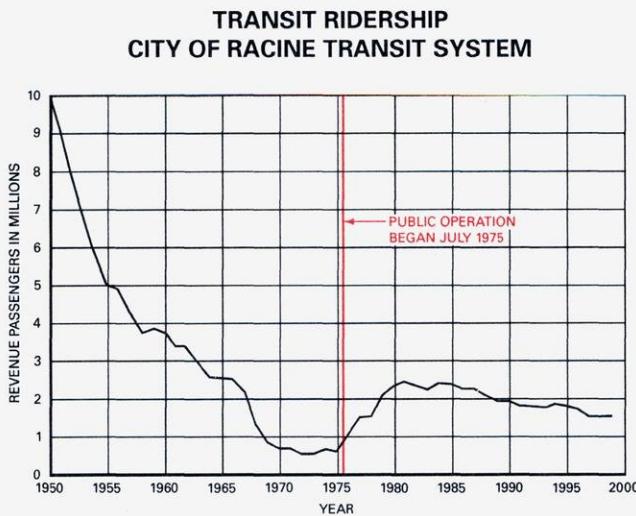
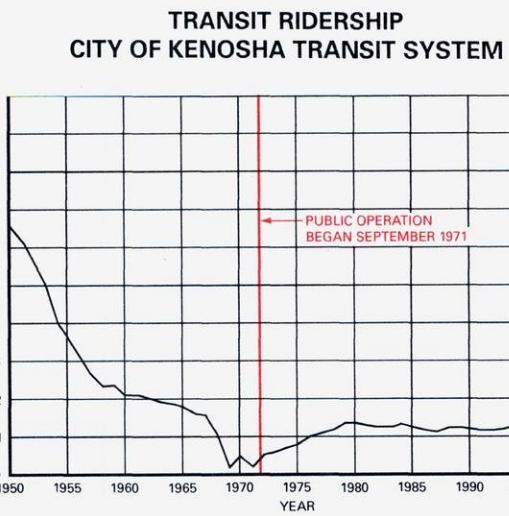


Figure 19



transit service implemented in August 1998. At that time, the transit system effected routing changes to five of its six regular routes. These changes included the creation of a new west-side transfer point for three routes at the new Kenosha high school, Indian Trail Academy. The cash basic fare for the Kenosha system remained at \$1.00 per one-way trip, unchanged from 1998.

The Commission, at the request of the City, has routinely prepared short-range transit system development plans setting forth recommendations for service changes and capital improvements. Each such plan has covered a five-year period. The current plan for the Kenosha transit system is documented in SEWRPC Community Assistance Planning Report No. 231, *Kenosha Area Transit System Development Plan: 1998-2002, City of Kenosha, Wisconsin*, April 1998, and was summarized in the Commission's 1998 *Annual Report*. The Commission adopted this plan as an updated element of the comprehensive regional plan on March 3, 1999. The August 1998 changes to the City's local bus routes were recommended under the transit system development plan.

City of Waukesha

During 1999, the fixed-route public transit system serving the City of Waukesha carried approximately 571,500 revenue passengers, a decrease of about 2 per-

cent from the 584,200 revenue passengers carried on the system during 1998 (see Figure 20). The number of bus-miles operated in revenue service totaled about 843,600, an increase of about 4 percent from the 807,800 bus-miles operated in 1998. The basic cash fare for the City transit system remained at \$1.00 per one-way trip, unchanged from 1998. Short-range transit system development plans, which each include recommendations for service changes and capital improvements for a five-year period, have been routinely prepared for the City transit system by the Commission when requested by the City. The last plan for the Waukesha transit system is documented in SEWRPC Community Assistance Planning Report No. 154, *A Transit System Development Plan for the City of Waukesha: 1988-1992*, December 1989. The Commission adopted this plan, summarized in the Commission's 1989 *Annual Report*, as an element of the comprehensive regional plan in September 1990.

Work on a new, updated plan for the City transit system was initiated during 1999 and is described further in a subsequent section of this *Annual Report*.

City of Whitewater

Ridership on the shared-ride public taxicab system serving the City of Whitewater decreased during 1999. Operated on a contract basis by Brown's Cab Service, which is based in Fort Atkinson, the Whitewater taxi-

Figure 20

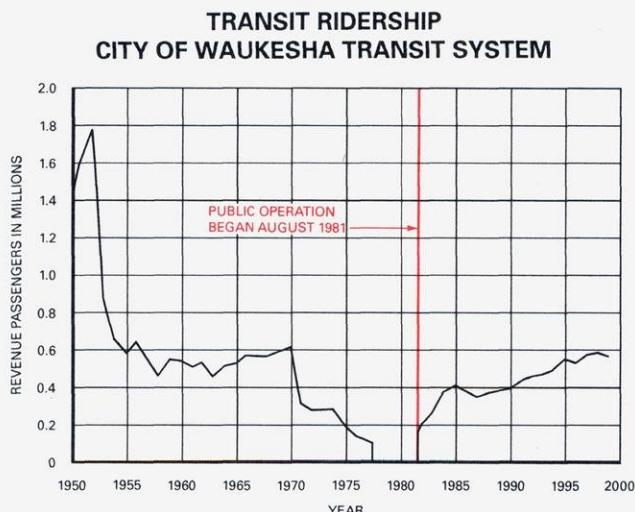
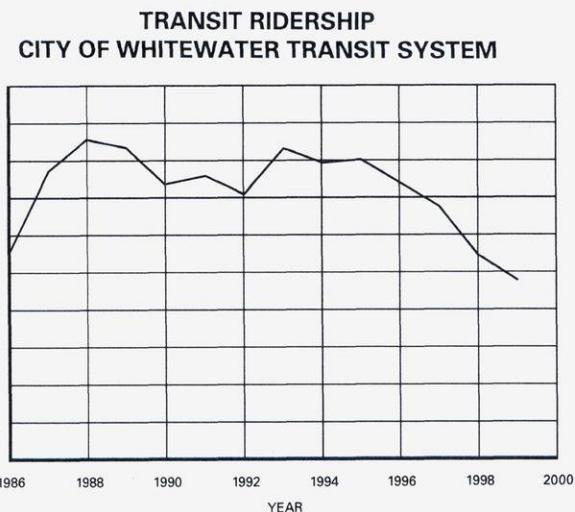


Figure 21



cab service carried approximately 23,800 revenue passengers in 1999, a decrease of about 13 percent from the 27,300 revenue passengers carried in 1998 (see Figure 21). It operated about 68,800 total vehicle-miles during 1999, about 11 percent less than the 77,000 total vehicle-miles operated in 1998. During 1999, adult fares for the service remained at \$2.25 per one-way trip.

City of Hartford

Publicly operated transit service was also provided during 1999 by the City of Hartford, which operated a shared-ride taxicab service through its Municipal Recreation Department. During the year, the Hartford taxicab service carried approximately 20,100 revenue passengers, a decrease of about 6 percent from the 21,400 revenue passengers carried in 1998 (see Figure 22). The service operated about 44,300 total vehicle-miles, a decrease of about 5 percent from the 46,500 total vehicle-miles operated during 1998. Base cash passenger fares remained at \$1.50 per one-way trip in 1999.

City of West Bend

During 1999, the City of West Bend taxicab service carried approximately 127,100 revenue passengers and operated about 424,600 total vehicle-miles of service. These figures respectively represent increases

of about 13 percent each from the 112,900 revenue passengers carried in 1998 (see Figure 23) and the 375,800 total vehicle-miles operated during 1998. The taxicab service in 1999 continued to charge a base adult fare of \$2.00 per one-way trip, unchanged from 1998.

The West Bend taxicab system was initiated based on the recommendations of a transit system development plan prepared by the Regional Planning Commission in 1991 at the request of the City. This plan is documented in SEWRPC Community Assistance Planning Report No. 189, *A Transit System Feasibility Study and Development Plan for the City of West Bend: 1992-1996*, February 1991, and was described in the Commission's *1991 Annual Report*. The plan was adopted by the Commission as an element of the comprehensive regional plan in March 1992. The taxicab service is operated on a contract basis by Specialized Transport Services, Inc.

City of Port Washington

During 1999, the City of Port Washington taxicab service carried approximately 24,800 revenue passengers and operated about 75,500 total vehicle-miles of service. These figures represent an increase of about 2 percent from the 24,300 revenue passengers carried in 1998 (see Figure 24) and a decrease of about 9 percent from the 83,400 total vehicle-miles operated during 1998. The taxicab service in 1999 continued

Figure 22

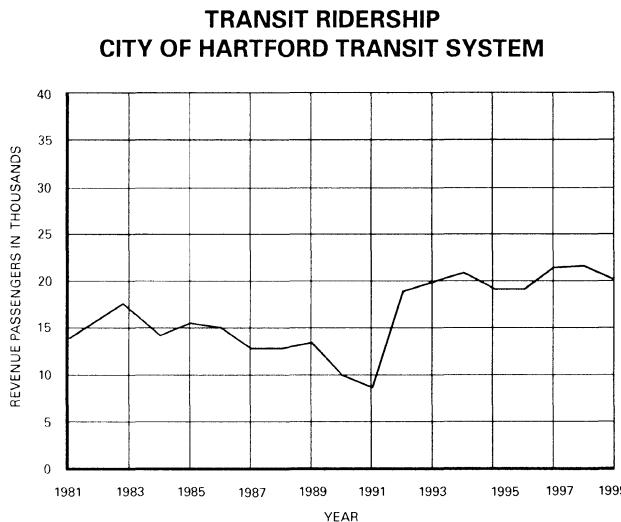
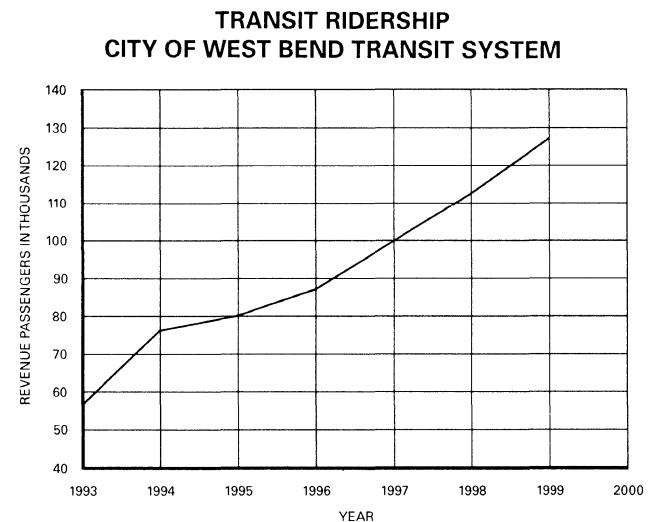


Figure 23



to charge a base adult cash fare of \$1.75 per one-way trip, unchanged from 1998.

The institution of publicly subsidized shared-ride taxicab service in the City of Port Washington was guided by an analysis completed by the Regional Planning Commission in 1993 at the request of the City. The analysis, described in the Commission's *1993 Annual Report*, identified the potential ridership, fare-box revenue, operating and capital costs, and local subsidies required for a shared-ride taxicab system based upon assumptions provided by the City concerning proposed fares and desired service characteristics. The City system is operated on a contract basis by Specialized Transport Services, Inc.

Ozaukee County

The year 1999 marked the second year of operation of the publicly subsidized shared-ride taxicab system sponsored by Ozaukee County. The institution of the service was guided by a transit service plan prepared by the Regional Planning Commission in 1995 at the request of the County. This plan is documented in SEWRPC Community Assistance Planning Report No. 218, *A Transit Service Plan for Ozaukee County: 1996-2000*, July 1995, and was described in the Commission's *1995 Annual Report*. The plan was adopted by the Commission as an element of the comprehensive regional plan in December 1995.

During 1999, about 35,100 revenue passengers were carried on the Ozaukee County taxicab system, which operated a total of about 473,400 total vehicle-miles. These figures represent increases of about 46 percent from the 24,000 revenue passengers carried in 1998 and about 17 percent from the 406,200 total vehicle-miles operated in 1998.

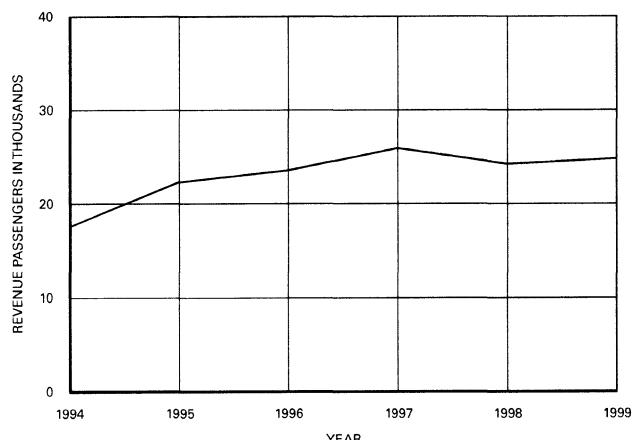
Fares for the service in 1999 remained unchanged from 1998, with the base adult cash fare ranging from \$2.25 per trip for travel within one zone to \$6.50 per trip for cross-County travel encompassing four or more zones. The County contracts with a private for-profit transit operator, Handicare, Inc., to provide the taxicab service. The Ozaukee County system does not serve trips that can be made on the Port Washington taxicab system.

Washington County

During 1999, Washington County continued the operation of a publicly subsidized shared-ride taxicab system which it had initiated during 1998. The institution of the service was guided by a transit service plan prepared by the Regional Planning Commission in 1996 at the request of the County. The plan is documented in SEWRPC Community Assistance Planning Report No. 223, *A Public Transit Service Plan for Washington County: 1998-2002*, November 1996. This plan was

Figure 24

TRANSIT RIDERSHIP
CITY OF PORT WASHINGTON
TRANSIT SYSTEM



described in the Commission's *1996 Annual Report* and was adopted by the Commission as an element of the comprehensive regional plan in March 1997.

During 1999, about 35,800 revenue passengers were carried on the Washington County taxicab system, which operated a total of about 631,600 total vehicle-miles. These figures represent increases of about 61 percent over the 22,200 revenue passengers carried in 1998 and about 40 percent over the 452,000 total vehicle-miles operated in 1998. Fares for the service in 1999 remained unchanged from 1998, with the base adult cash fare ranging from \$2.25 per trip for travel within one zone to \$6.50 per trip for cross-County travel encompassing four or more zones. The County contracts with a private for-profit transit operator, Handicare, Inc., to provide the taxicab service. The Washington County system does not serve trips that can be made using the Hartford or West Bend taxicab systems.

Intercounty Services

Waukesha County

During 1999, total ridership on the Waukesha County transit system increased by about 9 percent, from

about 607,600 trips in 1998 to about 664,900 trips in 1999 (see Figure 25). The ridership increase can be attributed to several factors, including continued operation with expanded bus service in the Oconomowoc-Waukesha-Milwaukee travel corridor that was initiated in 1997; an increase in service and a reduction in base adult fares from \$2.50 to \$1.00 per one-way trip in 1999 for passengers traveling to or from park-ride lots along IH 43 served by the system's Mukwonago-Milwaukee express route during reconstruction work on the Hale Interchange; and expanded or new bus service over three routes serving industrial employment centers in eastern Waukesha County. The last service changes were part of the major service expansion implemented by the Milwaukee County Transit System in April 1999 after it was awarded about \$1.8 million in Federal and State transit grants to provide improved transit access to job locations. Transit fares on the Waukesha County transit system, which are distance-related, were between \$1.00 and \$2.50 in 1999, compared with between \$1.00 and \$2.00 in 1998. The number of bus-miles operated in revenue service increased from about 792,700 bus-miles in 1998 to about 826,600 bus-miles in 1999, or by about 4 percent. Waukesha County contracts with Wisconsin Coach Lines, Inc., and the Milwaukee County Transit System for the operation of the routes comprising the Waukesha County system.

As shown in Figure 17, total ridership on freeway flyer routes operated by Waukesha County in 1999 was about 119,400 revenue passengers, a decrease of about 7 percent from the estimated 128,900 revenue passengers carried on Waukesha County-operated freeway flyer routes in 1998. The freeway flyer service in Waukesha County served a total of nine outlying parking terminals in 1999.

The Commission, at the request of the County, has routinely prepared short-range transit system development plans for the County transit system, each setting forth recommendations for service changes and capital improvements for a five-year period. The last plan for the Waukesha County transit system is documented in SEWRPC Community Assistance Planning Report No. 105, *Waukesha County Transit Plan: 1988-1992*, September 1988, and was summarized in the Commission's *1988 Annual Report*. Work on

Figure 25

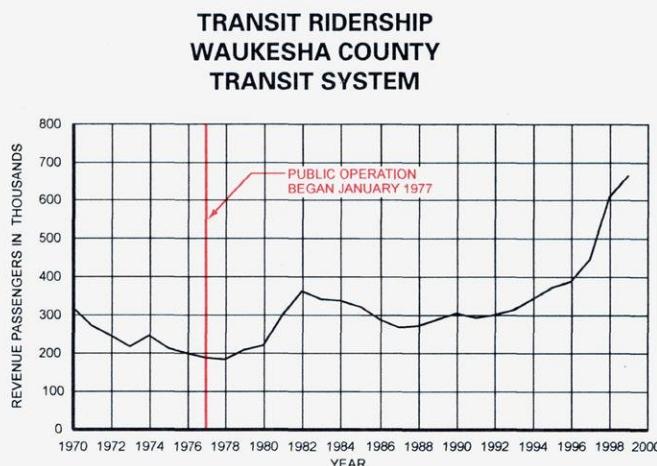
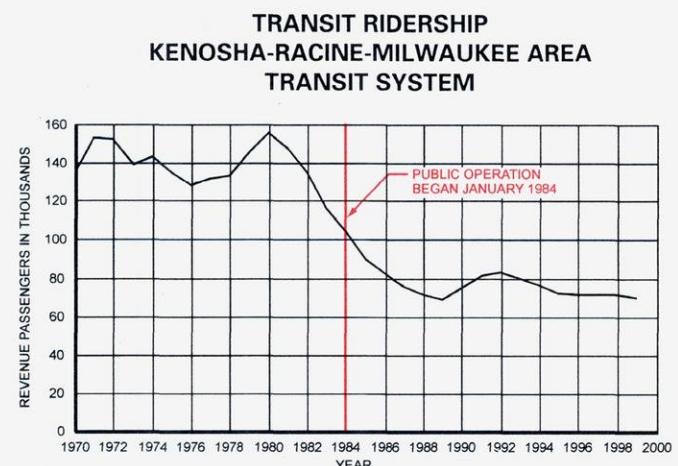


Figure 26



a new, updated plan for the County transit system was initiated during 1999 and is described further in a subsequent section of this *Annual Report*.

Kenosha-Racine-Milwaukee Service

During 1999, the City of Racine, in a joint effort with the City of Kenosha and with Racine and Kenosha Counties, continued to provide commuter bus service between downtown Milwaukee and the Racine and Kenosha areas. The commuter bus service was provided through a contract with a private transit operator, Wisconsin Coach Lines, Inc.

Ridership on the service approximated 69,700 revenue passengers during 1999, a decrease of about 3 percent from the 1998 ridership level of about 71,600 revenue passengers (see Figure 26). The number of bus-miles operated in revenue service increased slightly, from about 264,400 bus-miles in 1998 to about 265,600 bus-miles in 1999, an increase of less than 1 percent. Transit fares for the express commuter bus service, which are distance-related, ranged from \$1.00 to \$4.20 per one-way trip in 1999, unchanged from 1998.

Ozaukee County

Ridership decreased during 1999 on the commuter-oriented express bus and shuttle service between Milwaukee and Ozaukee Counties sponsored by Ozaukee County. During 1999, a total of about 83,100 revenue passengers were carried on the Ozaukee County

commuter bus and shuttle transit services, a decrease of about 14 percent from the 96,500 revenue passengers carried in 1998. The County's commuter bus and shuttle system operated a total of about 332,900 revenue vehicle-miles in 1999, a decrease of about 5 percent from the 348,700 vehicle-miles operated in 1998. Fares of \$2.00 per one-way trip for the commuter bus service between central Milwaukee County and the park-ride lots served in Ozaukee County and \$0.50 per one-way trip for the connecting shuttle services were charged during 1999, unchanged from 1998. The County contracted with Transit Express, Inc., to operate the service.

The implementation of the Ozaukee County commuter bus and shuttle service was guided by a transit service plan prepared by the Commission in 1995, as documented in SEWRPC Community Assistance Planning Report No. 218, *A Transit Service Plan for Ozaukee County: 1996-2000*, July 1995. The plan was adopted by the Commission as an element of the comprehensive regional plan in December 1995, and was summarized in the Commission's 1995 *Annual Report*.

Washington County

In April 1999, Washington County initiated the operation of new, publicly subsidized commuter bus and shuttle services operating between Milwaukee and Washington Counties. The institution of the services was guided by a transit service plan prepared by the

Regional Planning Commission in 1996 at the request of the County. The plan is documented in SEWRPC Community Assistance Planning Report No. 223, *A Public Transit Service Plan for Washington County: 1998-2002*, November 1996. This plan was described in the Commission's *1996 Annual Report* and was adopted by the Commission as an element of the comprehensive regional plan in March 1997. The new bus and shuttle services initiated in 1999 implement the commuter bus element of the transit service plan, which recommended the establishment of a commuter bus route and a system of shuttle routes to transport workers between Milwaukee County and Washington County employment centers.

The new Washington County commuter bus and shuttle services included one express bus route operated between 1) stops in central Milwaukee County, including stops in the Milwaukee central business district, and 2) stops in Washington County at the park-ride lot at the interchange of USH 41-45 and Lannon Road; at Pioneer Plaza at USH 41 and Pioneer Road; and within the City of West Bend at Paradise Pavilion and other locations. Four shuttle routes connected with the express bus route either at Pioneer Plaza or at Paradise Pavilion in the City of West Bend to transport express bus riders to and from employment centers in Slinger, Hartford, Jackson, and West Bend. A fifth shuttle route, one which did not connect with the express bus route, was also operated between 1) a transfer point with routes of the Milwaukee County Transit System at N. 76th Street and W. Mill Road and 2) employer locations in the southeastern portion of the Village of Germantown and in the Germantown Industrial Park. Service over the express bus route and the four connecting shuttle routes was initially available only to serve weekday first- and second-shift starting and ending times. Limited service for third-shift jobs and weekend jobs was added to these routes in the autumn of 1999. Service over the Germantown shuttle route was provided seven days a week to serve all major work shifts. Fares for the service were \$2.50 per trip for the express bus route and \$0.50 per trip for the five shuttle routes. During 1999, about 24,100 revenue passengers were carried on the Washington County commuter bus and shuttle services, which operated a total of about 188,600 revenue vehicle-miles. The County contracts with Riteway Bus Service, Inc., for the operation of the transit service. The new services have been funded by a three-year demonstration grant made through the Federal Congestion Mitigation and Air Quality Improvement (CMAQ) Program and by private-sector funds.

Public Transit Stations

Progress in providing the public transit stations recommended in the adopted year 2020 transportation plan is summarized on Map 8. During 1999, no new public transit stations were constructed to add to the 25 stations existing in 1998. However, freeway flyer commuter bus service was initiated during 1999 to two existing public facilities. The Waukesha County transit system, with funds provided by the Wisconsin Department of Transportation, extended its Mukwonago-Milwaukee bus route to a park-ride lot at the East Troy Municipal Airport in March 1999. The State of Wisconsin-funded bus service operated during reconstruction of the Hale Interchange through August 1999, after which service between Mukwonago and the East Troy park-ride lot was continued without public funding by the private contract transit operator, Wisconsin Coach Lines, Inc. Washington County initiated commuter bus service in November 1999 from an existing carpool parking lot located at USH 41-45 and Lannon Road in the Village of Germantown. These facilities increased the number of transit stations to 27 in 1999. In addition, Washington County began providing freeway flyer bus service in 1999 from a park-ride lot located at the Pioneer Plaza truck stop in the Town of Polk (USH 41 and Pioneer Road), increasing the number of shopping center lots used as freeway flyer terminal facilities from six during 1998 to seven during 1999.

Table 14 and Figure 27 provide data on both the number of parking spaces available and the number of parking spaces used on an average weekday in 1999 at all transit stations by patrons of freeway flyer bus service and carpoolers. As shown in the table, transit service was provided at 26 of the 27 public transit-park-ride stations and at all seven shopping center lots. The total of 34 freeway flyer terminal facilities represents an increase of three facilities from the 31 facilities that existed in 1998. The number of spaces available at public transit-park-ride stations increased to 5,060 in 1999 from 4,935 in 1998 as a result of the addition of the aforementioned two lots. The number of spaces at shopping center lots increased to 850 in 1999 from 825 in 1998 as the result of the addition of the aforementioned seventh lot. The total number of spaces available therefore increased to 5,910 in 1999 from 5,760 in 1998.

Of the 5,060 spaces available at the 27 public transit-park-ride stations, 1,788 spaces were used on an average weekday during 1999, a utilization rate of about

Map 8

RAPID TRANSIT SYSTEM PLAN
FOR THE REGION: 2020

EXISTING SYSTEM: 1999

- TRANSIT STATION-PRIVATE RETAIL CENTER
- ▲ TRANSIT STATION-PUBLICLY CONSTRUCTED
- 20 STATION NUMBER (SEE TABLE 14)
- RAPID BUS-ON-FREWAY TRANSIT ROUTE
- NONFREWAY EXTENSION OF RAPID TRANSIT ROUTE

2020 ADOPTED PLAN

- ▲ PROPOSED TRANSIT STATION-PUBLICLY CONSTRUCTED
- PROPOSED EXPRESS BUS-ON-FREWAY TRANSIT ROUTE
- PROPOSED NONFREWAY EXTENSION

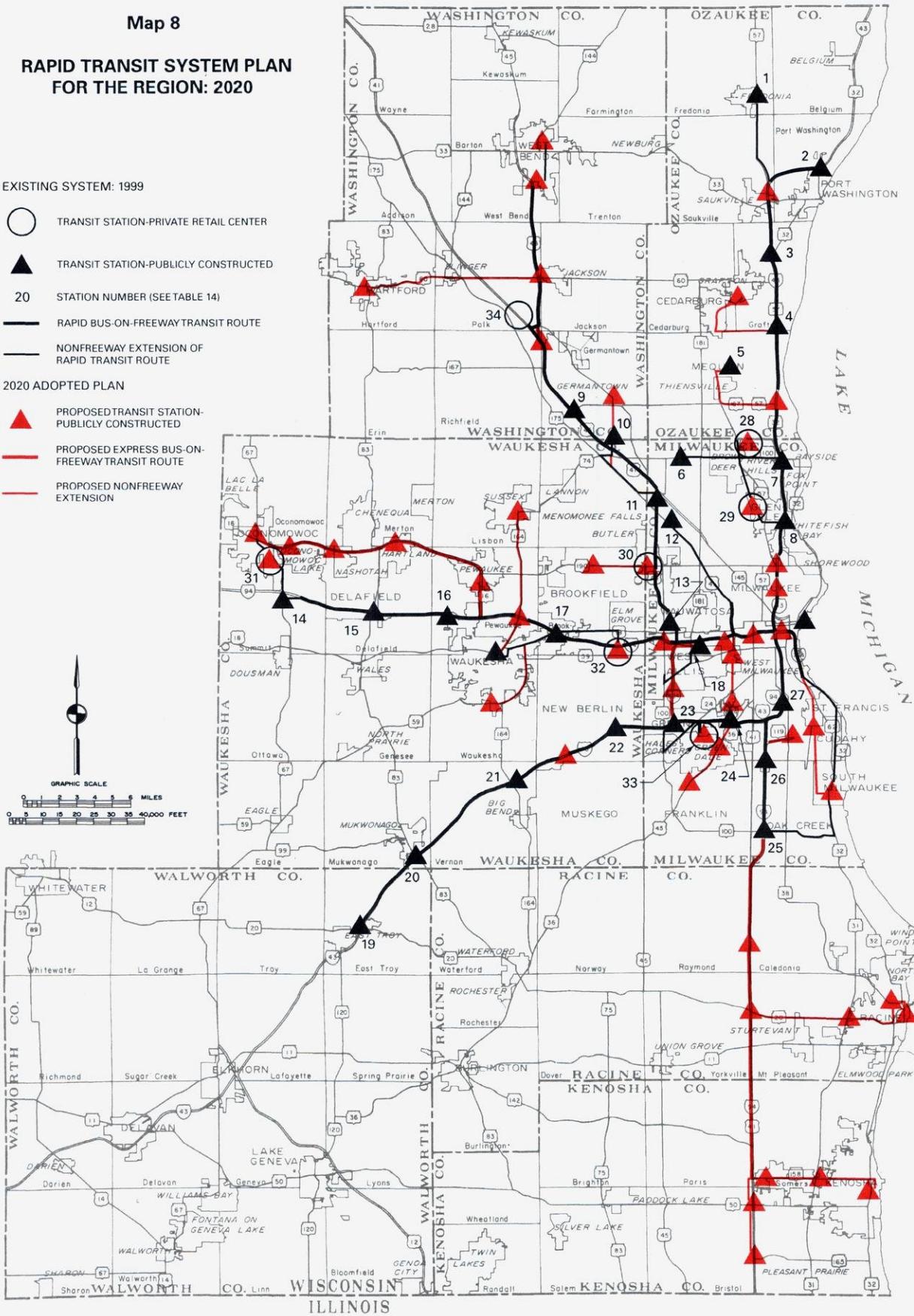
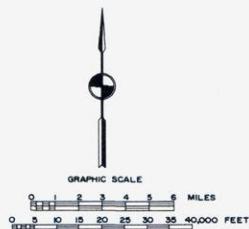


Table 14
AVERAGE WEEKDAY USE OF PARKING AT FREEWAY FLYER TERMINALS: 1999

Number ^a	Location	Available Parking Spaces	Autos Parked on an Average Weekday: 1999	Percent of Spaces Used
	Public Transit Stations			
1	STH 57 and CTH H (Fredonia).....	60	6	10
2	IH 43 and STH 32-STH 84 (Port Washington)	50	38	76
3	IH 43 and CTH V (Grafton)	85	27	32
4	IH 43 and CTH C (Grafton)	65	43	66
5	Milwaukee Area Technical College (Mequon).....	200	1 ^b	1
6	Northridge (Milwaukee).....	100	8	8
7	Brown Deer (River Hills)	360	104	29
8	North Shore (Glendale).....	195	61	31
9	USH 41 and Lannon Road (Germantown)	100 ^c	27	27
10	Pilgrim Road (Menomonee Falls).....	70	59	84
11	W. Good Hope Road (Milwaukee).....	135	19	14
12	Timmerman Field (Milwaukee)	140	40	29
13	W. Watertown Plank Road (Wauwatosa)	240	74	31
14	STH 67 and CTH DR (Summit).....	100	52	52
15	IH 94 and STH 83 (Delfield).....	200	47	24
16	IH 94 and CTH G/CTH SS (Pewaukee)	45 ^d	25	56
17	Goerke's Corners (Brookfield)	315	177	56
18	State Fair Park (Milwaukee)	285	110	39
19	East Troy Municipal Airport (East Troy)	25	— ^e	— ^e
20	IH 43 and STH 83 (Mukwonago).....	105	56	53
21	IH 43 and STH 164 (Big Bend)	55	44	80
22	IH 43 and Moorland Road (New Berlin)	175	54	31
23	Whitnall (Hales Corners).....	360	182	51
24	W. Loomis Road (Greenfield)	410	70	17
25	W. Ryan Road (Oak Creek).....	305	88	29
26	W. College Avenue (Milwaukee)	650	306	47
27	W. Holt Avenue (Milwaukee)	230	70	30
	Subtotal	5,060	1,788	35
	Shopping Center Lots			
28	Kohl's (Brown Deer).....	125	43	34
29	Silver Mill (Milwaukee)	100	3	3
30	Phar-Mor (Brookfield)	200	32	16
31	Olympia (Oconomowoc).....	50	— ^e	— ^e
32	Brookfield Square (Brookfield)	100	— ^e	— ^e
33	Southridge (Greendale)	250	56	22
34	Pioneer Plaza (Polk).....	25	— ^e	— ^e
	Subtotal	850	134	16
--	Total	5,910	1,922	33

^aSee Map 8.

^bPublic transit service was not provided to this station during 1999. The number of autos parked represents use by carpoolers and is only for January 1999. Data on the use of this lot by carpoolers were no longer reported after January 1999.

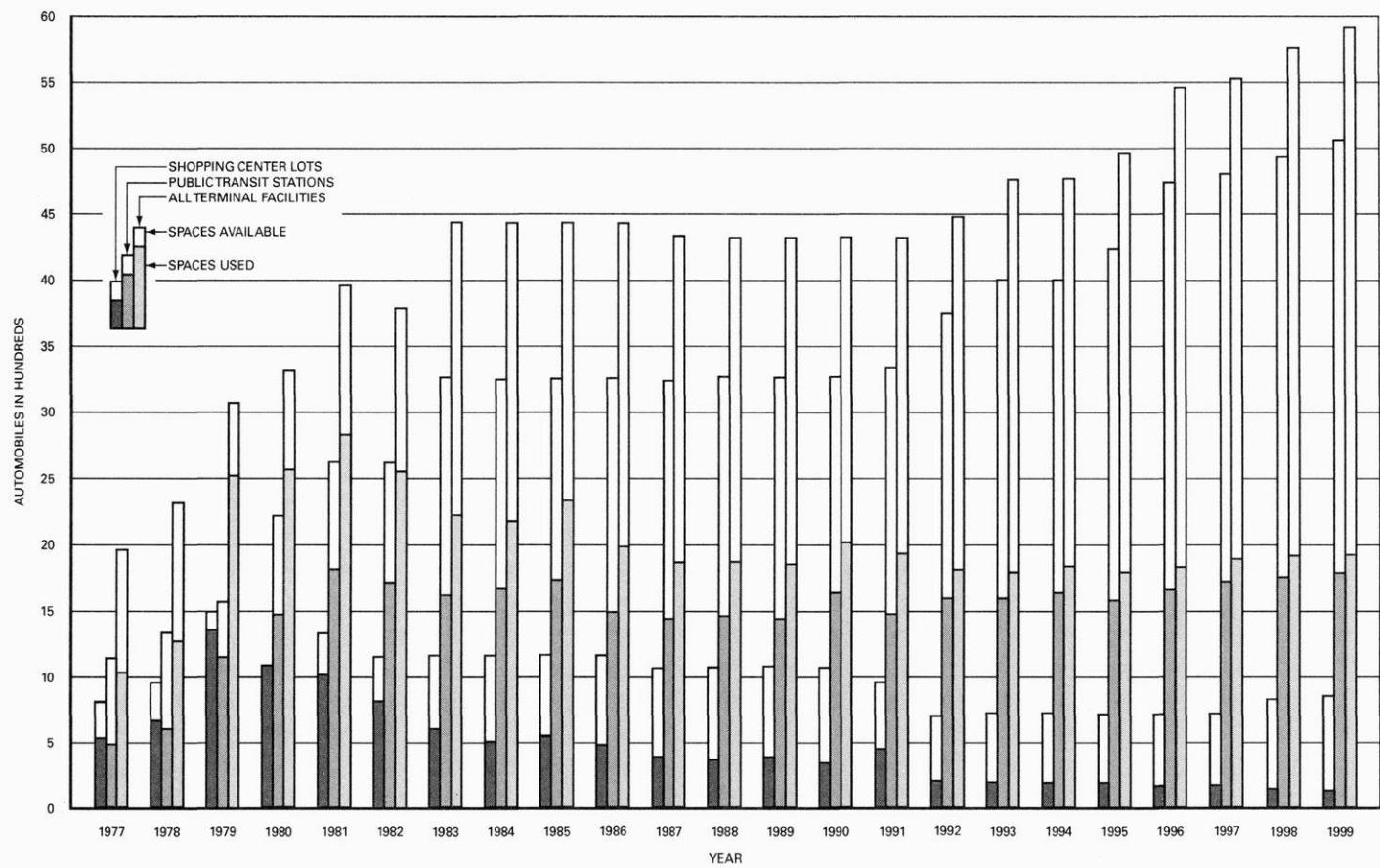
^cTransit service to this facility was initiated in November 1999 by Washington County. The average number of autos parked is for November 1999 and December 1999.

^dThis facility was relocated in July 1999 from IH 94 and Waukesha County CTH G to IH 94 and Waukesha County CTH SS. The relocation is temporary while the IH 94-CTH G interchange is reconstructed and a new park-ride lot at the interchange is developed.

^eData not available.

Figure 27

AVERAGE WEEKDAY FREEWAY FLYER PARKING LOT USE: 1977-1999



35 percent. Of the 850 spaces available at the seven shopping center lots, 134 spaces were utilized during 1999, a utilization rate of about 16 percent. In total, about 33 percent of all available parking spaces were used on an average weekday during 1999.

Public Transit Operating Subsidies

Information on transit operating subsidies in the Region is shown in Table 15. Because 1999 year-end financial data for most transit systems were not available at the time data were compiled for this *1999 Annual Report*, such information is reported for calendar years 1997 and 1998. Transit operating subsidies approximated \$83.8 million during 1998, compared with about \$73.7 million in 1997. The per-ride operating

subsidies for the individual intracounty public transit operators in the Region operating in 1997 and 1998 were for those years, respectively, as follows: Milwaukee County, \$1.36 and \$1.48; City of Racine, \$2.17 and \$2.35; City of Kenosha, \$1.85 and \$2.00; City of Waukesha, \$3.04 and \$3.55; City of Whitewater, \$3.09 and \$3.78; City of Hartford, \$4.00 and \$4.22; City of West Bend, \$3.05 and \$2.95; and City of Port Washington, \$2.70 and \$3.29. For the Ozaukee County and Washington County intracounty transit services, which began operation in 1998, the per-ride operating subsidies for the year were \$12.45 and \$18.80, respectively. For the Waukesha County transit service, the per-ride operating subsidy was \$5.34 in 1997 and \$4.86 in 1998; for the Kenosha-Racine-Milwaukee Counties transit service, the per-ride operating subsidy was

Table 15
PUBLIC TRANSIT OPERATING SUBSIDIES WITHIN THE REGION: 1997-1998

Transit Services	Public Transit Operating Assistance (dollars)							
	1997 Actual				1998 Estimated			
	Federal	State	Local	Total	Federal	State	Local	Total
Intracounty Systems								
Milwaukee County.....	4,787,100	45,373,800	11,973,600	62,134,500	6,476,100	45,438,500	17,804,300	69,718,900
City of Racine.....	674,800	1,911,900	845,500	3,432,200	922,800	1,876,800	767,400	3,567,000
City of Kenosha.....	535,700	1,416,300	558,000	2,510,000	939,800	1,468,400	645,600	3,053,800
City of Waukesha.....	326,900	940,900	495,800	1,763,600	354,500	1,302,200	416,300	2,073,000
City of Whitewater.....	45,600	58,800	3,000	107,400	43,800	53,600	5,700	103,100
City of Hartford.....	33,500	41,400	9,800	84,700	36,500	44,500	9,300	90,300
City of West Bend.....	136,600	166,700	--	303,300	148,900	182,300	1,700	332,900
City of Port Washington	29,700	39,900	--	69,600	37,200	42,700	--	79,900
Ozaukee County.....	--	--	--	--	58,900	154,700	85,200	298,800
Washington County	--	--	--	--	174,500	54,400	188,400	417,300
Subtotal	6,569,900	49,949,700	13,885,700	70,405,300	9,193,000	50,618,100	19,923,900	79,735,000
Intercounty Systems								
Waukesha-Milwaukee Counties.....	395,600	1,673,100	318,800	2,387,500	594,700	2,070,900	289,500	2,955,100
Kenosha-Racine-Milwaukee Counties.....	--	362,000	80,600	442,600	--	454,400	107,100	561,500
Ozaukee-Milwaukee Counties.....	237,500	196,400	39,300	473,200	236,300	266,500	19,400	522,200
Subtotal	633,100	2,231,500	438,700	3,303,300	831,000	2,791,800	416,000	4,038,800
Region Total	7,203,000	52,181,200	14,324,400	73,708,600	10,024,000	53,409,900	20,339,900	83,773,800

Transit Services	Operating Subsidy per Ride (dollars)							
	1997 Actual				1998 Estimated			
	Federal	State	Local	Total	Federal	State	Local	Total
Intracounty Systems								
Milwaukee County.....	0.10	0.99	0.27	1.36	0.14	0.96	0.38	1.48
City of Racine.....	0.43	1.21	0.53	2.17	0.61	1.24	0.50	2.35
City of Kenosha	0.39	1.04	0.42	1.85	0.61	0.96	0.43	2.00
City of Waukesha.....	0.56	1.62	0.86	3.04	0.61	2.23	0.71	3.55
City of Whitewater.....	1.31	1.69	0.09	3.09	1.60	1.96	0.22	3.78
City of Hartford.....	1.58	1.95	0.47	4.00	1.71	2.08	0.43	4.22
City of West Bend.....	1.37	1.68	--	3.05	1.32	1.61	0.02	2.95
City of Port Washington	1.15	1.55	--	2.70	1.53	1.76	--	3.29
Ozaukee County.....	--	--	--	--	2.45	6.45	3.55	12.45
Washington County	--	--	--	--	7.86	2.45	8.49	18.80
Average	0.13	1.01	0.29	1.43	0.18	0.99	0.39	1.56
Intercounty Systems								
Waukesha-Milwaukee Counties.....	0.89	3.74	0.71	5.34	0.98	3.41	0.47	4.86
Kenosha-Racine-Milwaukee Counties.....	--	4.91	1.09	6.00	--	6.35	1.49	7.84
Ozaukee-Milwaukee Counties.....	2.97	2.46	0.49	5.92	2.45	2.76	0.20	5.41
Average	1.05	3.71	0.74	5.50	1.07	3.60	0.54	5.21
Region Average	0.14	1.04	0.30	1.48	0.19	1.03	0.40	1.62

\$6.00 in 1997 and \$7.84 in 1998; and for the Ozaukee County intercounty transit service, the per-ride operating subsidy was \$5.92 in 1997 and \$5.41 in 1998.

Carpool Parking Facilities

During 1999, the Commission collected data on the use of available parking supply at carpool parking facilities within the Region. As shown in Table 16, 19 publicly owned carpool parking facilities were in

operation at key freeway interchanges in the outlying areas of the Region in 1999, the same as the number of such facilities which were in operation during 1998. During 1999, about 554 of the total 1,275 parking spaces available were used on an average weekday (see Figure 28). This represents a utilization rate of about 43 percent in 1999. The progress in providing the carpool parking lots recommended in the adopted year 2020 regional transportation plan is summarized on Map 9.

Table 16
AVERAGE WEEKDAY USE OF PARKING AT CARPOOL LOTS: 1999

Number ^a	Location	Available Parking Spaces	Autos Parked on an Average Weekday: 1999	Percent of Spaces Used
1	Ozaukee County STH 57 and CTH H (Fredonia)	60	6 ^b	10
2	IH 43 and STH 32-STH 84 (Port Washington)	50	38 ^b	76
3	IH 43 and CTH V (Grafton)	85	27 ^b	32
4	IH 43 and CTH C (Grafton)	65	43 ^b	66
5	Washington County USH 41 and CTH K (Addison)	50	7	14
6	STH 60 and CTH P (Jackson)	30	20	67
7	USH 41 and CTH Y (Germantown)	100	22	22
8	Waukesha County USH 41 and Pilgrim Road (Menomonee Falls)	70	59 ^b	84
9	STH 16 and CTH P (Oconomowoc)	45	15	33
10	STH 16 and CTH C (Nashotah)	45	7 ^b	16
11	STH 16 and STH 83 (Chenequa)	35	16	46
12	STH 67 and CTH DR (Summit)	100	52 ^b	52
13	IH 94 and CTH C (Delafield)	30	18	60
14	IH 94 and CTH G/CTH SS (Pewaukee)	45 ^c	25 ^b	56
15	IH 94 and STH 164 (Pewaukee)	85	33	39
16	IH 43 and STH 83 (Mukwonago)	105	56 ^b	53
17	IH 43 and STH 164 (Big Bend)	55	44 ^b	80
18	IH 43 and CTH Y (New Berlin)	45	12	27
19	IH 43 and Moorland Road (New Berlin)	175	54 ^b	31
--	Total	1,275	554	43

^aSee Map 9.

^bWhile constructed to serve as a carpool parking facility, this facility also served as a terminal for freeway flyer or express bus service to the Milwaukee central business district. The number of parking spaces used on an average weekday includes autos parked by both carpoolers and transit patrons.

^cThis facility was relocated in July 1999 from IH 94 and Waukesha County CTH G to IH 94 and Waukesha County CTH SS. The relocation is temporary while the IH 94-CTH G interchange is reconstructed and a new park-ride lot at the interchange is developed.

Traffic Count Data

During the year, the Commission conducted traffic counts for use in the analysis and planning activities conducted as part of the community assistance and traffic engineering services provided to municipalities within the Region. At selected sites, data were collected on vehicle classification, turning movements, peak-hour factors, and other traffic engineering considerations.

Data Provision and Technical Assistance

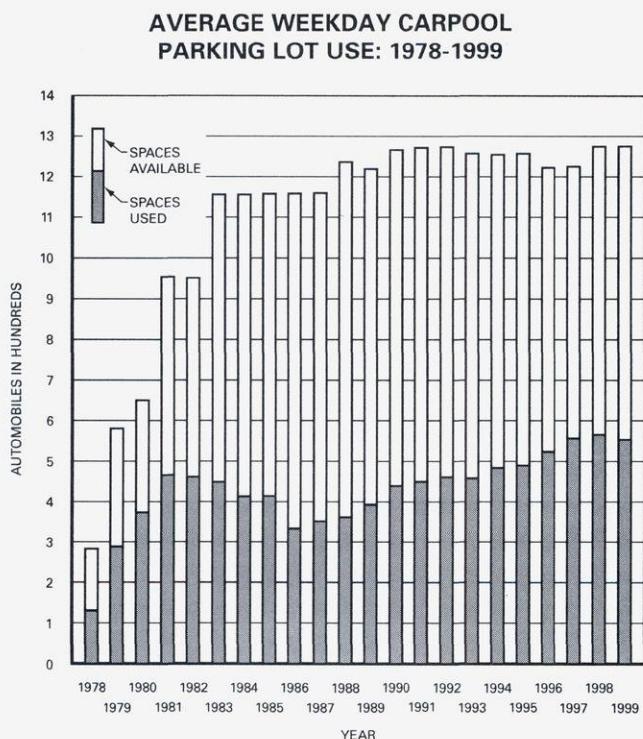
The Commission spends a considerable amount of time and effort each year in responding to requests

for transportation data and technical assistance. Many transportation data requests involve obtaining existing or forecast traffic volumes on selected arterial facilities. Other requests are usually for data necessary for the support of special studies. These special requests are typically made by local units of government, the Wisconsin Department of Transportation, and private businesses and developers.

The following is a sample listing of the assistance provided by the Division in 1999:

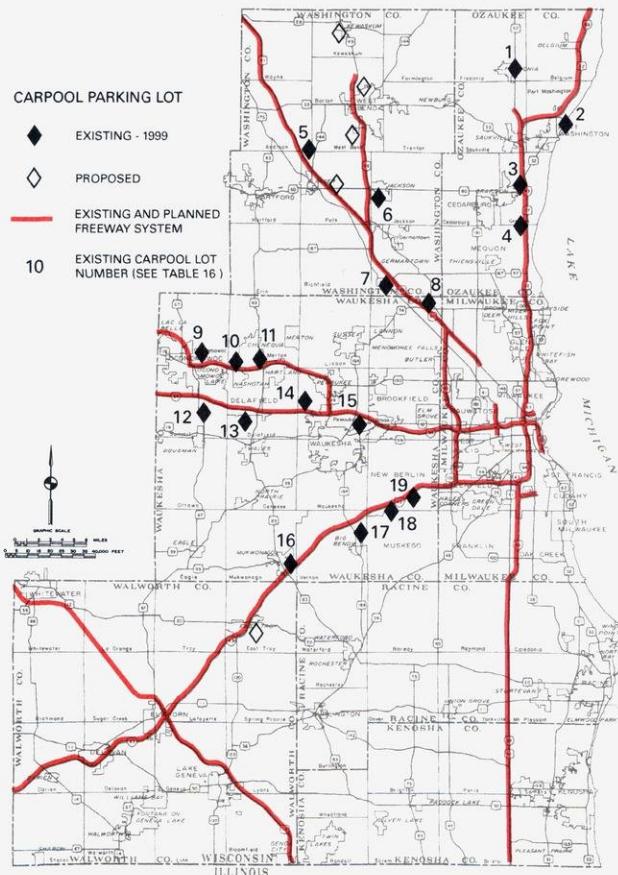
- The Commission staff assisted in the development of an application for Federal and State transit

Figure 28



Map 9

EXISTING 1999 AND PROPOSED CARPOOL PARKING LOTS



assistance funds available through the Wisconsin Employment Transportation Assistance Program (WETAP) for the four-county Milwaukee area. The effort entailed meeting with a special work group convened by the Commission staff. The group included representatives from the existing transit operators in the Milwaukee area as well as from various agencies and organizations in the area that had an interest in assisting low-income, unemployed, and at-risk individuals with obtaining or getting access to jobs, retaining jobs, or advancing to better-paying jobs. This special work group met five times between late October 1999 and late December 1999 to collaboratively identify and review the employment transit services to be advanced for funding in the application. At the end of 1999, the Commission staff was collating the necessary information provided by each project sponsor into the specified application format.

- At the request of the Village of Union Grove, the Commission staff conducted 24-hour machine traffic counts in the Village at several locations on local streets.

- The Commission staff conducted manual vehicle classification counts in support of facility design work being conducted by the Wisconsin Department of Transportation for the improvement of STH 33 through the unincorporated place of Allenton in Washington County.
- At the request of the City of Greenfield, the Commission staff provided City officials with a figure depicting historical growth in traffic volumes in the 76th Street travel corridor.
- At the request of the City of Brookfield, the Commission staff provided assistance to the City by preparing year 2020 forecasts of future traffic volumes for all surface arterial street and highway segments within the City under several scenarios, including 1) the adopted regional transportation system plan and 2) the adopted

regional transportation system plan without several improvements proposed by the City and without the proposed Calhoun Road interchange with IH 94. This work effort was performed in support of the City's effort to update its master plan.

- The Wisconsin Department of Transportation requested the assistance of the Commission staff in the conduct of public meetings held to discuss the improvement of Wauwatosa Road (STH 181) from Mequon Road (STH 167) to Pioneer Road (Ozaukee County CTH C) in the City of Mequon. The staff provided evidence supporting the need for the long-planned improvement of this arterial facility. Handout materials were prepared and provided at a public meeting held by the Department to discuss the proposed improvement.
- At the request of the Wisconsin Department of Transportation, the Commission staff provided forecast year 2020 average weekday traffic volumes for each segment of the freeway system planned to serve Southeastern Wisconsin based on the adopted regional land use and transportation system plans.
- The Commission staff provided The Lake Michigan Air Directors Consortium (LADCO) with a set of data files representing the year 1996 and containing the following: estimates of annual average daily vehicle-miles of travel and vehicle operating speeds on arterial streets and highways by roadway segment, by hour of the day; geographic locations of roadway segments; estimates of annual average daily vehicle-miles of travel and vehicle operating speeds on collector and land access streets by county, by hour of the day; estimates of the proportion of travel by vehicle type, by functional classification of street or highway, by area type (rural or urban); and factors for converting annual average daily data to day of week and to month of year.
- The Commission staff prepared traffic volume forecasts for the following roadway segments:
 1. CTH A between STH 144 and the Washington-Ozaukee county line in Washington

County. At the request of the County, forecast traffic volumes for the year 2020 were prepared based on the adopted land use and transportation plans.

2. CTH ES between USH 12-STH 67 and CTH A in Walworth County. At the request of the County, forecast traffic volumes for the year 2020 were prepared based on the adopted land use and transportation plans.
3. CTH Y between CTH Q and STH 175 in Washington County. At the request of the County, forecast traffic volumes for the year 2020 were prepared based on the adopted land use plan and a transportation system that does not include the extensions of Johnson, Barker, and Lannon Roads.
4. The segment of 90th Street between STH 11 and STH 20 in Racine County. At the request of the Village of Sturtevant, forecast traffic volumes for the year 2020 were prepared based on the adopted land use and transportation plans.
5. STH 164 and Waukesha County CTH J between STH 60 and IH 94 in Washington and Waukesha Counties. At the request of the Wisconsin Department of Transportation, forecast traffic volumes were prepared for the year 2020 for the following six alternatives: no planned improvements to the reach of STH 164 and Waukesha County CTH J involved; no planned improvements and a reduction in posted speed limit on the reach of STH 164 and Waukesha County CTH J involved; no planned improvements to the reach of STH 164 and Waukesha County CTH J involved and construction of a new roadway east of Lannon Road between Waukesha County CTH K and USH 41-45 (known as the "new roadway"); no planned improvements to and a reduction in posted speed limit on the reach of STH 164 and Waukesha County CTH J involved and construction of the "new roadway"; planned improvements to the reach of STH 164 and Waukesha County CTH J involved; and the use of Lindsay Road, STH 16, and STH 190 as an alternative to STH 164 between Waukesha County CTH K and STH 190.

TRANSPORTATION SYSTEMS MANAGEMENT AND PROGRAMMING

Transportation Systems Management Planning and Traffic Engineering

During 1999, the Commission continued a work effort to carry out transportation systems management or traffic engineering studies for communities in Southeastern Wisconsin. In addition to the transit system development plans for Waukesha County and the City of Waukesha begun in 1999 as described in this section, other such local-level studies were completed during the year.

The first such study, requested by the City of Cedarburg, was a traffic signal warrant analysis for the intersection of Washington Avenue and Western Road in the City. The study found that traffic signals were not warranted at the present time. Additional parking prohibitions and the provision of exclusive turn lanes were recommended. The study findings and recommendations were documented in a letter report to the City.

The second such study, also requested by the City of Cedarburg, was a traffic engineering study of Keup Road between STH 60 and Columbia Road. This study was an update of an earlier study conducted by the Commission staff. The new study was also performed to review recommendations for traffic signalization of the Keup Road-Columbia Road intersection provided to the City by a traffic engineering consultant. The City had also requested a recommendation regarding the alignment of the proposed extension of Falls Road between the Village of Grafton and Keup Road, and the proposed extension of Oak Street to the Village of Grafton. The study generally reaffirmed the findings and recommendations of the original traffic engineering study of Keup Road. Recommendations were made with respect to the proposed extensions of both Falls Road and Oak Street based upon traffic engineering considerations.

Finally, under the study, the Commission staff reaffirmed the findings and recommendations of the traffic engineering consultant with respect to traffic control at the intersection of Keup Road and Columbia Road under existing traffic conditions. The Commission staff generally concurred with the assumptions of the traffic engineering consultant regarding potential future development in the Keup Road corridor and the attendant traffic conditions, as well as the findings

and recommendations of the consultant regarding the potential need for traffic signals in the future.

The study findings and recommendations will be documented in a SEWRPC memorandum report expected to be completed and published in 2000.

The third such study, requested by the City of Waukesha, was a traffic study intended to determine the feasibility of converting both 1) North Street between a point just north of Albert Street and St. Paul Avenue and 2) St. Paul Avenue between Brook Street and Albert Street from one-way to two-way traffic operations. Data collection has been completed and analysis of the expected redistribution of both existing and future traffic on these facilities following the envisioned conversion was under way at the end of 1999, with study completion expected early in 2000.

The fourth such study, requested by the City of Hartford, was a parking study of the City's central business district. Data on parking space occupancy, duration, and turnover were collected and analyzed for a typical weekday. Preliminary survey results were transmitted to the City. At year's end, the City was considering collecting additional parking space utilization data on a Friday evening and/or a Saturday to be included with the typical-weekday data collected by the Commission staff.

The fifth such study was requested by the Villages of Chenequa and Hartland, as well as the Wisconsin Department of Transportation, with the Town of Merton participating. The study was intended to address the need for a new roadway between STH 83 at its interchange with STH 16 and Waukesha County CTH K in the Chenequa-Hartland-Merton area. The study involved assessment of the ability of the existing arterial street and highway system to accommodate existing and probable future traffic in an area within the County bounded by CTH K on the north, CTH E on the east, STH 83 on the west, and STH 16 on the south. A number of traffic engineering improvements were recommended for selected intersections along CTH E in the study area to abate existing traffic congestion problems. A new north-south roadway was also recommended to provide desirable arterial spacing within the study area and to abate probable future traffic volumes. This study is expected to be completed in 2000. The study findings and recommendations are expected to be documented in a SEWRPC staff memorandum.

Preparation of Transit System Development Plans for Waukesha County and City of Waukesha

During 1999, the Commission began preparation of new transit system development plans for the Waukesha County and City of Waukesha transit systems. The new plans are intended to provide direction in the operation and development of the County and City transit systems into the mid-2000s in much the same way that previous plans provided such direction during the 1980s and early 1990s. Previous plans for the Waukesha County transit system were completed by the Commission in 1980 and 1988. The original plan for the City of Waukesha transit system, completed by the Commission in 1980, was followed by an operations analysis in 1983 and by a second-generation plan in 1989. The majority of the recommendations in the previous plans have been successfully implemented.

At year's end, work on the two new transit system development plans had progressed to the point at which the operating and service characteristics of the existing transit systems had been described and the land use, socioeconomic, and travel characteristics of the study areas had been identified. This was done with particular regard for their impacts on the need for changes in each transit system and included information obtained through special on-bus passenger surveys conducted by the Commission in late April 1998 and early May 1998. The work completed during 1999 also included documentation of a performance evaluation of the existing County and City transit systems. At year's end, work was under way on the identification and analysis of alternative service changes for the period from 2001 through 2004. Work on the new transit system development plans for Waukesha County and the City of Waukesha is expected to be completed during 2000.

Kenosha-Area Transit System Development Plan Adopted

As noted above, the Commission, on March 3, 1999, adopted a short-range public transit system development plan for the greater Kenosha area as an updated element of the comprehensive regional plan. The Kenosha-area plan, which covers the period from 1998 through 2002, is documented in SEWRPC Community Assistance Planning Report No. 231, *Kenosha Area Transit System Development Plan: 1998-2002, City of Kenosha, Wisconsin*, April 1998, and was summarized in the Commission's *1998 Annual Report*.

Milwaukee County Short-Range Transit Planning

During 1999, short-range transit planning activities for the Milwaukee County Transit System were conducted by the staff of that system and the Milwaukee County Department of Public Works. Through this planning effort, the following major activities were carried out during the year: development of the annual element of the regional transportation improvement program, preparation of a Title VI assessment evaluating the provision of transit service to special population groups, and updating of programs for the inclusion of business enterprises operated by the disadvantaged, minorities, and women in the provision of transit service.

Transportation Planning for the Elderly and Disabled

In April 1978, the Commission published and adopted a transportation plan for transportation-handicapped people in the Region. The plan, adopted as an element of the comprehensive regional plan, is documented in SEWRPC Planning Report No. 31, *A Regional Transportation Plan for the Transportation Handicapped in Southeastern Wisconsin: 1978-1982*. The plan for transportation-handicapped people recommended actions that would reduce, and sometimes eliminate, the existing physical and economic barriers to independent travel by such individuals.

On July 26, 1990, the Americans with Disabilities Act (ADA) was signed into law. The ADA includes two provisions that have a significant impact on the operation of public transit services. One provision requires all vehicles used in providing fixed-route transit for which purchase or lease contracts are entered into after August 26, 1990, to be accessible to persons with disabilities, including those using wheelchairs. A second provision requires all public entities that provide fixed-route transit service to provide comparable paratransit service to disabled persons unable to use the fixed-route system. Regulations designed to implement this paratransit service provision of the ADA were issued by the U.S. Department of Transportation, Federal Transit Administration (FTA), on September 6, 1991, and were described in the Commission's *1991 Annual Report*.

The 1991 regulations required each public entity operating a fixed-route transit system to submit to the FTA by January 26, 1992, a plan for providing the required complementary paratransit service by no later

than January 26, 1997. Annual updates of the initial plan, which would document the progress achieved in implementing the plan and any significant changes to the plan content or timetable, were also required to be submitted each year thereafter until full compliance with the Federal ADA paratransit regulations was achieved. At the request of the five public entities in the Region that in 1991 operated fixed-route transit systems, Milwaukee and Waukesha Counties and the Cities of Kenosha, Racine, and Waukesha, the Commission prepared the initial paratransit service plans, as well as the annual updates submitted in January of subsequent years amending the initial paratransit plans, for the five public entities. The final plan updates as of the end of 1999 are documented in a series of SEWRPC memorandum reports² which were published in January 1996 or January 1997 and adopted by the Commission as amendments to the 1978 regional elderly-handicapped transportation plan. All the original 1992 paratransit service plans, along with the paratransit service plan updates for 1993 through 1997, were adopted by the respective public transit operators involved and by the Commission prior to their transmittal to the FTA.

At the end of 1999, all of the public transit operators were in compliance with the Federal ADA paratransit regulations. Brief descriptions of each operator's current paratransit service are provided below.

²See SEWRPC *Memorandum Reports No. 107, A Paratransit Service Plan for Disabled Persons: 1996 Update/City of Kenosha Transit System; No. 108, A Paratransit Service Plan for Disabled Persons: 1996 Update/City of Racine Transit System; No. 109, A Paratransit Service Plan for Disabled Persons: 1996 Update/City of Waukesha Transit System Utility; No. 110, A Paratransit Service Plan for Disabled Persons: 1996 Update/Waukesha County Transit System; and No. 119, A Paratransit Service Plan for Disabled Persons: 1997 Update/Milwaukee County Transit System. SEWRPC *Memorandum Reports Nos. 107 through 110 were published and adopted by the Commission in January 1996, while SEWRPC Memorandum Report No. 119 was published and adopted by the Commission in January 1997. These five amendments, whose plan documents were summarized in the 1995 and 1996 Annual Reports, thus supersede a series of earlier amendments to the regional elderly-handicapped transportation plan, as set forth in a footnote to Table 1 of this 1999 Annual Report (see page 21).**

Milwaukee County

Paratransit service for the Milwaukee County Transit System is provided through the Milwaukee County Transit Plus program. Through this program, eligible disabled users have their transportation provided by private van service providers and taxicab operators. As part of the steps needed to bring the Transit Plus program into compliance with the ADA paratransit requirements, as outlined in a Voluntary Compliance Agreement negotiated with the FTA in 1997, the County revamped the paratransit program in August 1998 so that accessible van service was provided by only two private carriers, Laidlaw Transit Services, Inc., and Transit Express, Inc., which respectively covered the northern half and the southern half of the County. Taxicab service under the program was enhanced by the addition of one carrier, American United Taxi Cab Company, to supplement service that was provided by the now-defunct City Veterans Taxicab Cooperative. In January 1999, the County submitted a report to the FTA verifying compliance with the ADA requirements identified under the Voluntary Compliance Agreement. In November 1999, the FTA verified that the Milwaukee County Transit Plus program had satisfied the agreement.

During 1999, about 888,900 one-way trips were made under the Transit Plus program, an increase of about 14 percent over the 780,000 one-way trips made under the program during 1998. Fares for the Transit Plus program remained at \$2.50 per one-way trip during 1999.

Waukesha County

Paratransit service for the Waukesha County transit system is provided through the Waukesha County parallel commuter bus program. This program provides paratransit service for disabled persons unable to use the vehicles used to provide the County's fixed-route bus service in the corridor between the City of Waukesha and downtown Milwaukee. The program offers door-to-door lift-equipped van service to disabled individuals for trips with origins and destinations within one mile on either side of two regular non-commuter bus routes that are subsidized by Waukesha County in this major travel corridor. The paratransit service is administered by the Waukesha County Transportation Department and provided through a contract with a private transit operator, Curative Transportation Services, Inc.

All of the modifications to the parallel commuter bus program needed to meet ADA requirements were implemented by mid-1995. No significant changes to the County's paratransit service were made during 1999. During the year, about 9,000 one-way trips were made under the program, an 8 percent increase over the 8,300 one-way trips made under the program during 1998.

City of Kenosha

Paratransit service for the City of Kenosha transit system is provided through the Kenosha County Care-A-Van program. This paratransit service provides door-to-door transportation to disabled individuals in eastern Kenosha County. The City annually participates in, and contributes funds to, the Care-A-Van program, which is administered by the Kenosha County Department of Human Services, Division of Aging Services, and provided on a contract basis by the Kenosha Achievement Center, Inc. The City funds annually contributed to the program, however, are used specifically to support the provision of paratransit service for disabled persons who are certified as unable to use the City's fixed-route transit system and who use the service to travel within only that portion of Kenosha County east of IH 94 plus an area of commercial development within the County located west of IH 94 near the IH 94- STH 50 interchange. This area approximates the service area for the City's fixed-route transit system.

The modifications to the paratransit service needed to correct deficiencies arising from inadequate capacity and to bring the service into compliance with ADA requirements were implemented during 1996. During 1999, about 16,900 one-way trips were made on the paratransit service, an increase of about 8 percent from the 15,600 one-way trips made on the service during 1998.

City of Racine

Paratransit service for the City of Racine transit system is provided through the paratransit program administered by the Racine County Human Services Department. The paratransit service is designed to provide door-to-door transportation to disabled individuals who are unable to use the City's fixed-route bus service. The City of Racine annually participates in, and contributes funds to, the County paratransit program, with the City's funds used specifically to support paratransit service for disabled persons who are certified as transportation-handicapped and who use the service to travel within only the eastern portion of

Racine County and to the University of Wisconsin-Parkside in Kenosha County. The service is provided on a contract basis by Laidlaw Transit, Inc., and is available throughout the area served by the City's fixed-route transit system.

The modifications to the paratransit service needed to bring it into full compliance with ADA requirements were implemented during 1992. Additional changes were made during 1998 to expand weekday service hours until 12:00 midnight to coincide with expanded bus service on weekday evenings. During 1999, about 35,500 one-way trips were made on the paratransit service, an increase of about 8 percent from the 32,800 one-way trips made on the service in 1998.

City of Waukesha

Paratransit service for the City of Waukesha transit system is provided through the City's Metrolift program. The paratransit service is designed to provide curb-to-curb transportation to disabled individuals who are unable to use the City's fixed-route bus service, provided by the Waukesha Metro Transit System. The service offered under the Metrolift program is provided using employees of the private firm with which the City contracts to manage and operate its fixed-route bus system.

The service modifications needed to bring the paratransit service into full compliance with the ADA requirements were implemented during 1992. During 1999, about 12,600 one-way trips were made on the paratransit service, an increase of about 2 percent from the 12,400 one-way trips made on the service during 1998.

Transportation Improvement Programming

In December 1999, the Commission completed an updated three-year transportation improvement program (TIP) for Southeastern Wisconsin, as required by the U.S. Department of Transportation. At year's end, the new TIP was awaiting consideration and adoption by the appropriate Commission advisory committees, as well as by the Commission itself. The newly completed program was to be set forth in a Commission document titled *A Transportation Improvement Program for Southeastern Wisconsin: 2000-2002*. The new program, which was being prepared for publication at year's end, was developed with the assistance of the Wisconsin Department of Transportation staff and through the cooperation of various local units and agencies of

government in the Region, including the Cities of Kenosha, Milwaukee, and Racine and the Counties of Milwaukee and Waukesha as the operators of special mass transportation systems in their respective areas.

The 2000-2002 TIP identifies all highway and mass transportation projects in the two transportation management areas of the Region, the Milwaukee transportation management area, which includes Milwaukee, Ozaukee, Washington, and Waukesha Counties, and the Kenosha-Racine-Waukesha transportation management area, programmed for implementation during the three-year period with the aid of U.S. Department of Transportation funds administered through the Federal Highway Administration and the Federal Transit Administration.

The 2000-2002 TIP contains 866 projects for the three-year programming period, representing a total potential investment in transportation improvements and services of about \$1.53 billion. Of this total, \$881 million, or about 57 percent, is proposed to be provided in Federal funds; \$408 million, or about 27 percent, in State funds; and \$244 million, or about 16 percent, in local funds.

While the entire three-year program is an important planning tool, the first two years are of primary interest because a transportation system improvement project in the Region may be eligible for Federal funding in 2000 only if it is included in the first two years of the TIP. Proposed expenditures total about \$679 million in 2000. A cost summary for these projects is shown in Table 17.

In order to provide a basis for a better understanding of the types of transportation improvements proposed to be undertaken in the Region, projects have been grouped into nine categories: 1) highway preservation, or reconstruction of existing facilities to maintain present capacities; 2) highway improvement, or reconstruction of existing facilities to increase present capacities; 3) highway expansion, or construction of new facilities; 4) highway safety; 5) highway-related environmental enhancement projects; 6) highway improvement off the Federal aid system; 7) transit preservation; 8) transit improvement; and 9) transit expansion projects. Figure 29 reflects graphically the proposed expenditures in 2000 for these nine project categories for each of the two transportation management areas. At least three of the expenditure patterns apparent from this figure deserve comment:

- A significant proportion of financial resources is to be devoted to the preservation of the existing transportation facilities and services in the Region—about 64 percent. This allocation of resources is especially notable considering that virtually none of the funding for routine highway maintenance activities—snow plowing, ice control, grass cutting, power for street lighting, and litter pick-up—is included in the TIP.
- The expenditure of funds for highway expansion totals about \$18.1 million, or less than 3 percent of total programmed expenditures in the Region. The expenditures for highway improvement to increase present highway capacities total approximately \$103.9 million, or 15 percent of total expenditures. This compares to the \$333.7 million programmed for expenditures on highway preservation, 19 percent of total expenditures.
- A significant proportion of total financial resources is devoted to public transit projects, which account for about 24 percent of programmed resources for 2000. Of the total programmed resources for public transit, 61 percent is for preservation, 30 percent is for service improvement, and 9 percent is for service expansion.

LONG-RANGE PLANNING

Regional Transportation System Plan

In December 1997, the Commission published and formally adopted an extension of the third-generation regional transportation system plan from the design year 2010 to the design year 2020. This extension is documented in SEWRPC Planning Report No. 46, *A Regional Transportation System Plan for Southeastern Wisconsin: 2020*. The extension takes into account changes in population, household, and employment levels and in land use development patterns that have occurred in the Region since 1994. It also takes into account 1) new forecasts of resident population and economic activity levels for the Region, 2) the year 2020 regional land use plan, and 3) transportation facility development decisions made by State, county, and local implementing agencies since the adoption of the design year 2010 plan in 1994. The design year 2020 plan extension is designed to serve and support the adopted design year 2020 regional land use plan, and the attendant travel demand.

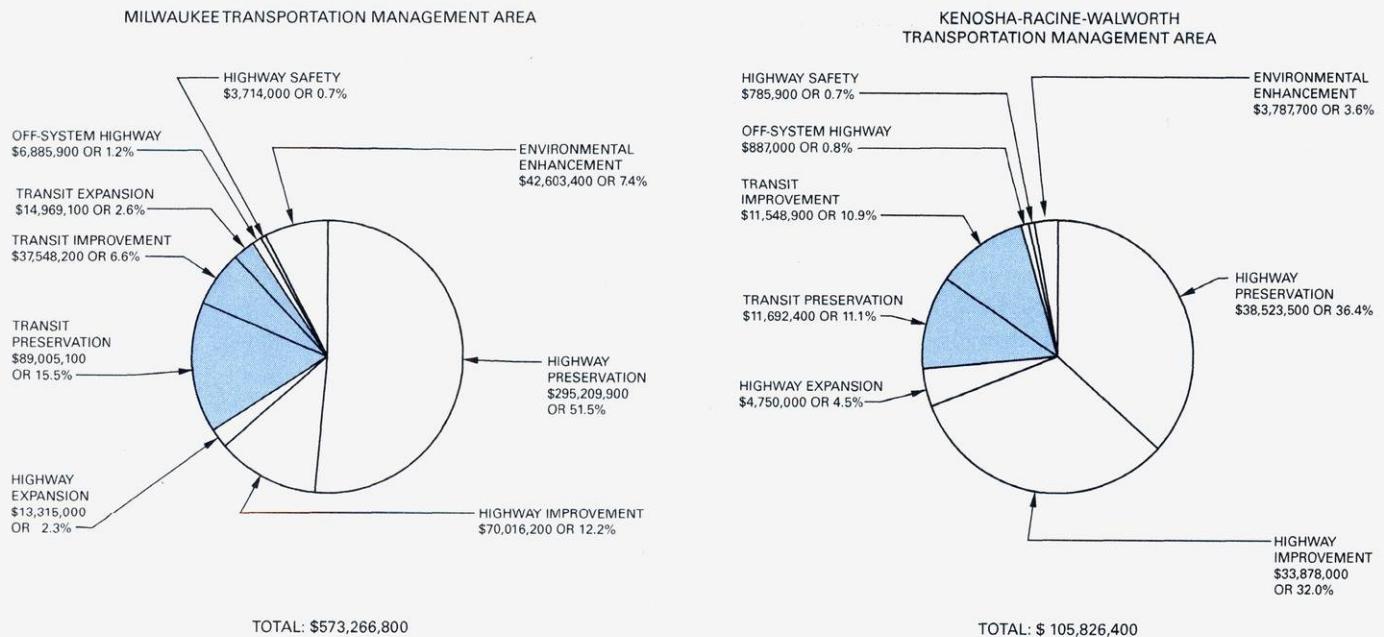
Table 17

**COST SUMMARY OF PROJECTS WITHIN 2000 OF THE 2000-2002 TRANSPORTATION IMPROVEMENT PROGRAM
BY TRANSPORTATION MANAGEMENT AREA, COUNTY, AND FUNDING SOURCE**

Transportation Management Area	Proposed 2000 Expenditures
Milwaukee Area	
Milwaukee County	
Federal.....	\$269,464,500
State	103,278,000
Local	61,880,000
Total	\$434,622,500
Ozaukee County	
Federal.....	\$ 15,635,700
State	6,965,900
Local	3,433,800
Total	\$ 26,035,400
Washington County	
Federal.....	\$ 9,707,000
State	6,313,500
Local	1,958,500
Total	\$ 17,979,000
Waukesha County	
Federal.....	\$ 61,379,600
State	15,471,400
Local	17,778,900
Total	\$ 94,629,900
Milwaukee Area Subtotal	
Federal.....	\$356,186,800
State	132,028,800
Local	85,051,200
Total	\$573,266,800
Kenosha-Racine-Walworth Area	
Kenosha County	
Federal.....	\$ 32,152,300
State	17,268,600
Local	4,394,700
Total	\$ 53,815,600
Racine County	
Federal.....	\$ 21,357,800
State	13,993,600
Local	3,412,400
Total	\$ 38,763,800
Walworth County	
Federal.....	\$ 5,436,900
State	6,458,500
Local	1,351,600
Total	\$ 13,247,000
Kenosha-Racine-Walworth Area Subtotal	
Federal.....	\$ 58,947,000
State	37,720,700
Local	9,158,700
Total	\$105,826,400
Region Total	
Federal.....	\$415,133,800
State	169,749,500
Local	94,209,900
Total	\$679,093,200

Figure 29

**DISTRIBUTION OF EXPENDITURES IN 2000 OF THE 2000-2002
TRANSPORTATION IMPROVEMENT PROGRAM BY PROJECT CATEGORY**



The adopted regional transportation system plan includes three major elements: transportation system management, public transit system maintenance and improvement, and arterial street and highway system maintenance and improvement. A regional bicycle and pedestrian facilities system plan, while also an integral part of the adopted regional transportation system plan, was prepared and adopted in 1995 as a separate element of the comprehensive regional plan, and is discussed in a separate section below.

The transportation system management element consists of the following seven measures: Milwaukee-area freeway traffic management; selected peak-period curb-lane parking restrictions; state-of-the-art traffic engineering practices, including intersection channelization and signalization; application of traffic management technology; travel demand management through ridesharing, transit use, bicycle use, and pedestrian movement, together with telecommuting and work-time rescheduling; preparation and implementation of detailed, site-specific neighborhood land use plans to facilitate travel by transit, bicycle, and pedestrian movement; and transit system management and service enhancement measures.

The public transit system element of the plan—summarized graphically on Map 10—calls for significant improvements to the public transit system, including both expansion of the geographic extent of public transit service provided and improvement in the frequency of service on many of the transit routes in the system. Service on the regional transit system would be increased by about 69 percent from the base year 1995 level, measured in terms of vehicle-miles of revenue service provided, and would include improved rapid, express, and local service.

The areawide rapid transit system would initially consist of 30 bus-based rapid transit routes operating over the freeway system and serving 73 transit stations, with service in both directions during peak periods. Ultimately, depending upon the results of detailed corridor-level planning studies, the rapid transit routes could operate over exclusive busway facilities in the most congested freeway travel corridors in the Region.

The plan recommends that the potential for commuter rail passenger service be evaluated by conducting

Map 10

**PUBLIC TRANSIT ELEMENT
OF THE ADOPTED REGIONAL
TRANSPORTATION SYSTEM PLAN
FOR SOUTHEASTERN WISCONSIN: 2020**

LEGEND

RAPID TRANSIT SERVICE

— BUS SERVICE IN MIXED TRAFFIC ON
FREEWAYS AND SURFACE ARTERIAL
STREETS AND HIGHWAYS

EXPRESS TRANSIT SERVICE

— BUS SERVICE IN MIXED TRAFFIC
OR EXCLUSIVE LANES ON SURFACE
ARTERIAL STREETS AND HIGHWAYS

TRANSIT STATIONS

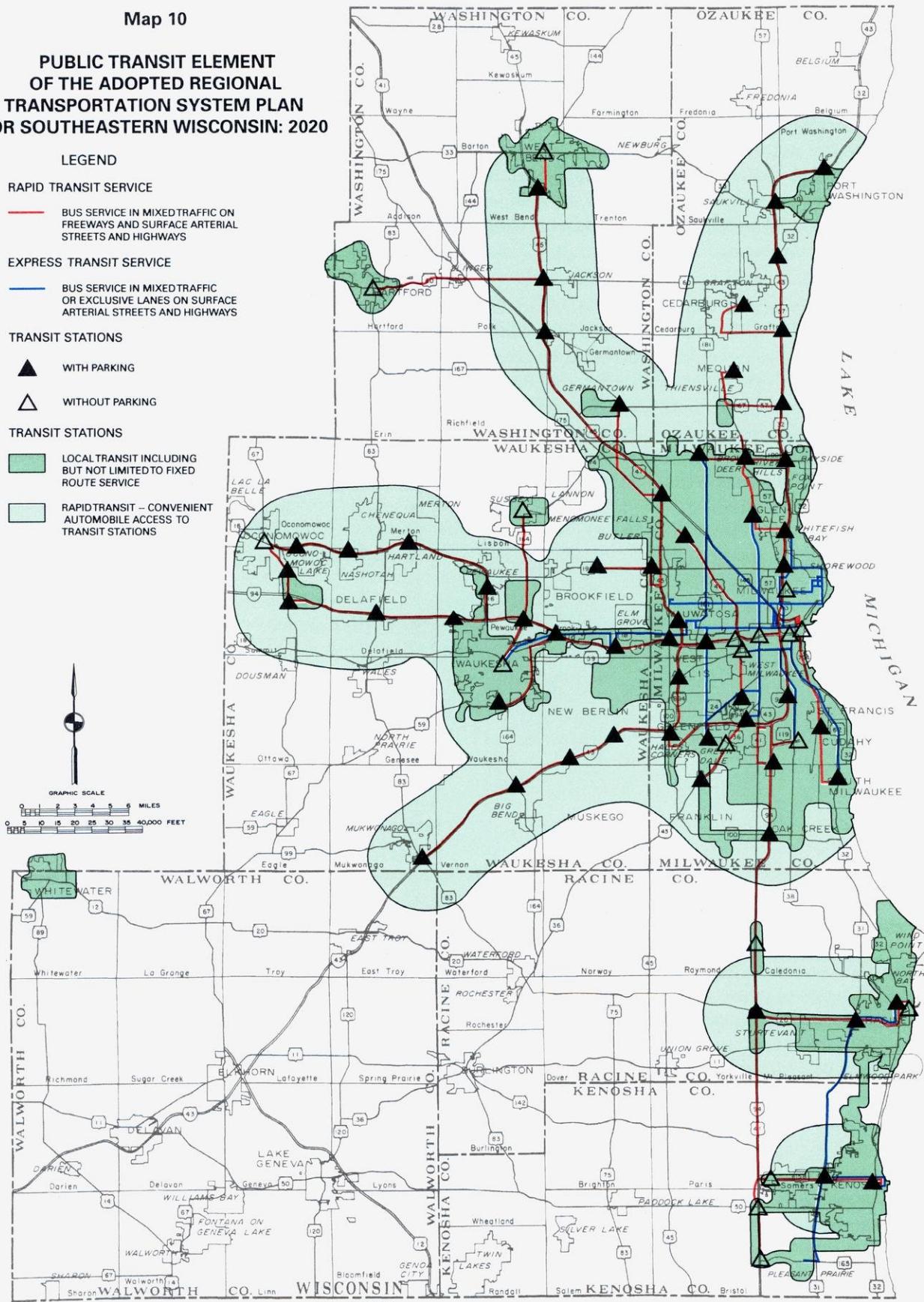
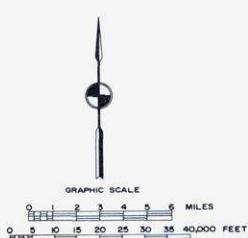
▲ WITH PARKING

△ WITHOUT PARKING

TRANSIT STATIONS

■ LOCAL TRANSIT INCLUDING
BUT NOT LIMITED TO FIXED
ROUTE SERVICE

□ RAPID TRANSIT - CONVENIENT
AUTOMOBILE ACCESS TO
TRANSIT STATIONS



Under the regional transportation system plan, rapid transit busway/high-occupancy-vehicle facilities, rapid transit commuter rail facilities, and express transit light rail facilities would be considered as alternatives to motor-bus transit service over arterial street and highway lanes. Consideration of such fixed-guideway transit service facilities would be initiated as part of federally required detailed transit planning alternatives analysis studies for each of the corridors identified under the plan. The potential corridors for busway, commuter rail, and light rail facilities are shown on Maps 30 and 31 of SEWRPC Planning Report No. 46, *A Regional Transportation System Plan for Southeastern Wisconsin: 2020*, December 1997. The implementation of these fixed-guideway transit facilities would depend upon the outcome of the corridor studies. Upon completion of each study, the local units of government concerned—particularly, the potential transit operator involved—the Wisconsin Department of Transportation, and the Regional Planning Commission would have to affirm the study findings and, if necessary, amend the regional transportation system plan.

feasibility studies 1) in four major travel corridors radiating from Milwaukee south to Kenosha to a connection with existing Chicago-oriented service, west to Oconomowoc, northwest to West Bend, and north to Saukville, and 2) regarding two potential extensions of Chicago-oriented commuter railway passenger train service, one to Walworth in Walworth County and one to Burlington in Racine County.

The express transit service would consist of 12 routes serving major travel corridors largely within Milwaukee County. Initially, service would be provided by buses operating in mixed traffic over surface arterial streets and highways, with limited stops, but could ultimately be provided by buses operating over reserved lanes on arterial streets or could be converted to the light rail transit mode, depending upon the outcome of detailed corridor-level planning studies.

The plan recommends the continued operation of local bus transit service over arterial and collector streets, with frequent stops, throughout the Kenosha, Milwaukee, and Racine urbanized areas, with substantial improvements in the frequency of service provided, particularly on the major local routes. The plan also recommends the continuation of local transit services through shared-ride taxis in the smaller urban areas of the Region, as well as continuation of appropriate paratransit services to help meet the transportation needs of persons with disabilities.

The 3,612-mile arterial street and highway system recommended for the Region is graphically summarized on Map 11. The arterial street and highway system maintenance and improvement element of the plan envisions the construction of 124 route-miles of new arterial facilities, the improvement of 405 route-miles of existing facilities, often including widening to provide additional capacity, and the resurfacing and reconstruction of 3,083 route-miles necessary to maintain the remaining existing facilities, including the reconstruction and modernization of the Milwaukee-area freeway system to current freeway design standards.

Implementation of the plan may be expected to provide a transportation system that will effectively serve and promote a desirable regional land use pattern and meet anticipated future travel demand in a balanced and practicable manner at an adequate level of service. Under the plan, the number of automobiles and light trucks available for use in the Region would increase from about 1.13 million to about 1.39 million, or

about 23 percent. Comparison of selected average weekday regional travel demand characteristics in the year 2020 under the plan to 1995 levels indicates that the following may be expected: internal person-trips may be expected to increase to about 6.5 million from about 5.8 million, or about 12 percent; internal vehicle-trips would increase to about 5.7 million from about 4.8 million, or about 19 percent; vehicle-miles of travel would increase to about 47.0 million from about 35.9 million, or about 31 percent; and transit ridership would increase to about 207,300 from about 163,100, or about 27 percent.

About 241 miles of the planned 3,612-mile regional arterial street and highway system, or nearly 7 percent, may be expected to operate under congested conditions by the year 2020, compared to the approximately 433 miles, or about 13 percent, of the 3,277-mile regional arterial street and highway system operating under such conditions in 1995.

Preparation of New Jurisdictional Highway System Plan for Walworth County Under Way

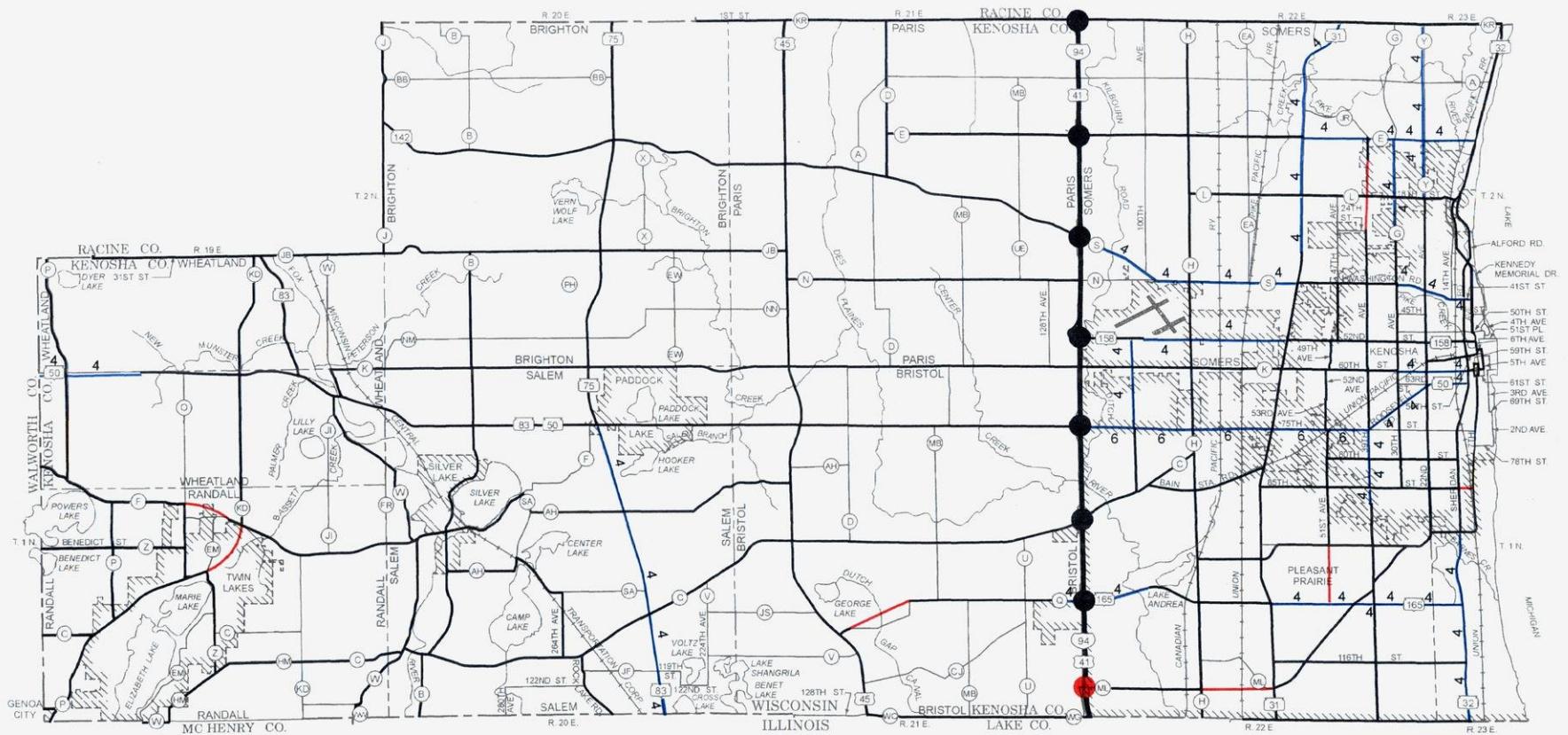
Preparation of a new, third-generation jurisdictional highway system plan for Walworth County continued in 1999. The new plan is being prepared in response to changes in land use development and traffic patterns within the County. Plan preparation is being guided by the Commission's 31-member Walworth County Jurisdictional Highway Planning Committee.

The new plan will serve the following four purposes: 1) to propose a system of arterial facilities able to meet existing and probable future travel demand at an adequate level of service; 2) to identify the location and configuration of the various facilities that constitute the system; 3) to recommend the number of traffic lanes required on each segment of the arterial system; and 4) to recommend which level of government should assume responsibility for the construction, operation, and maintenance of each arterial facility.

Members of the Committee identified 15 specific issues for analysis and evaluation. The issues may be generally categorized either as reexaminations of currently adopted plan recommendations or as additions to the currently adopted plan. The Commission staff and the Committee continued the evaluation of these issues in 1999 and may be expected to complete their work in 2000.

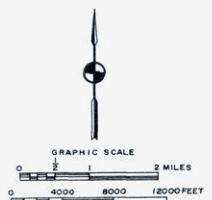
Map 11

FUNCTIONAL IMPROVEMENTS TO THE ARTERIAL STREET AND HIGHWAY SYSTEM IN KENOSHA COUNTY: 2020 ADOPTED REGIONAL TRANSPORTATION SYSTEM PLAN



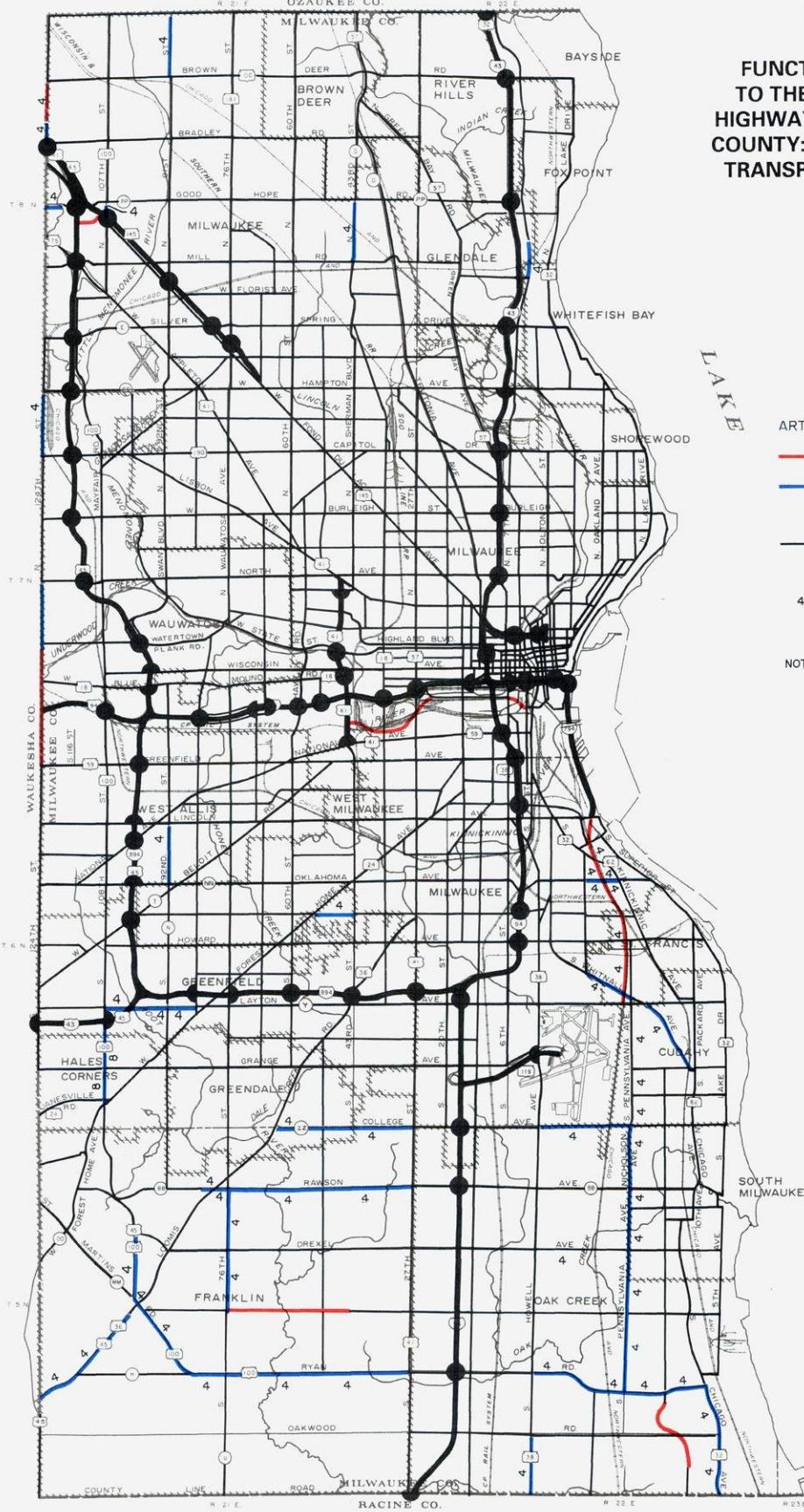
ARTERIAL STREET OR HIGHWAY

- NEW
- WIDENING AND/OR OTHER IMPROVEMENT TO PROVIDE SIGNIFICANT ADDITIONAL CAPACITY
- RESURFACING OR RECONSTRUCTION TO PROVIDE ESSENTIALLY THE SAME CAPACITY
- 4 NUMBER OF TRAFFIC LANES FOR NEW OR WIDENED AND/OR IMPROVED FACILITY (2 LANES WHERE UNNUMBERED)



Map 11 (continued)

FUNCTIONAL IMPROVEMENTS
TO THE ARTERIAL STREET AND
HIGHWAY SYSTEM IN MILWAUKEE
COUNTY: 2020 ADOPTED REGIONAL
TRANSPORTATION SYSTEM PLAN



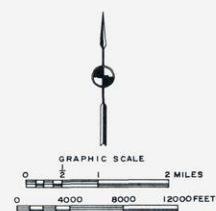
LEGEND

ARTERIAL STREET OR HIGHWAY

- NEW
- WIDENING AND /OR OTHER IMPROVEMENT TO PROVIDE SIGNIFICANT ADDITIONAL CAPACITY
- RESURFACING OR RECONSTRUCTION TO PROVIDE ESSENTIALLY THE SAME CAPACITY
- NUMBER OF TRAFFIC LANES FOR NEW OR WIDENED AND /OR IMPROVED FACILITY (2 LANES WHERE UNNUMBERED)

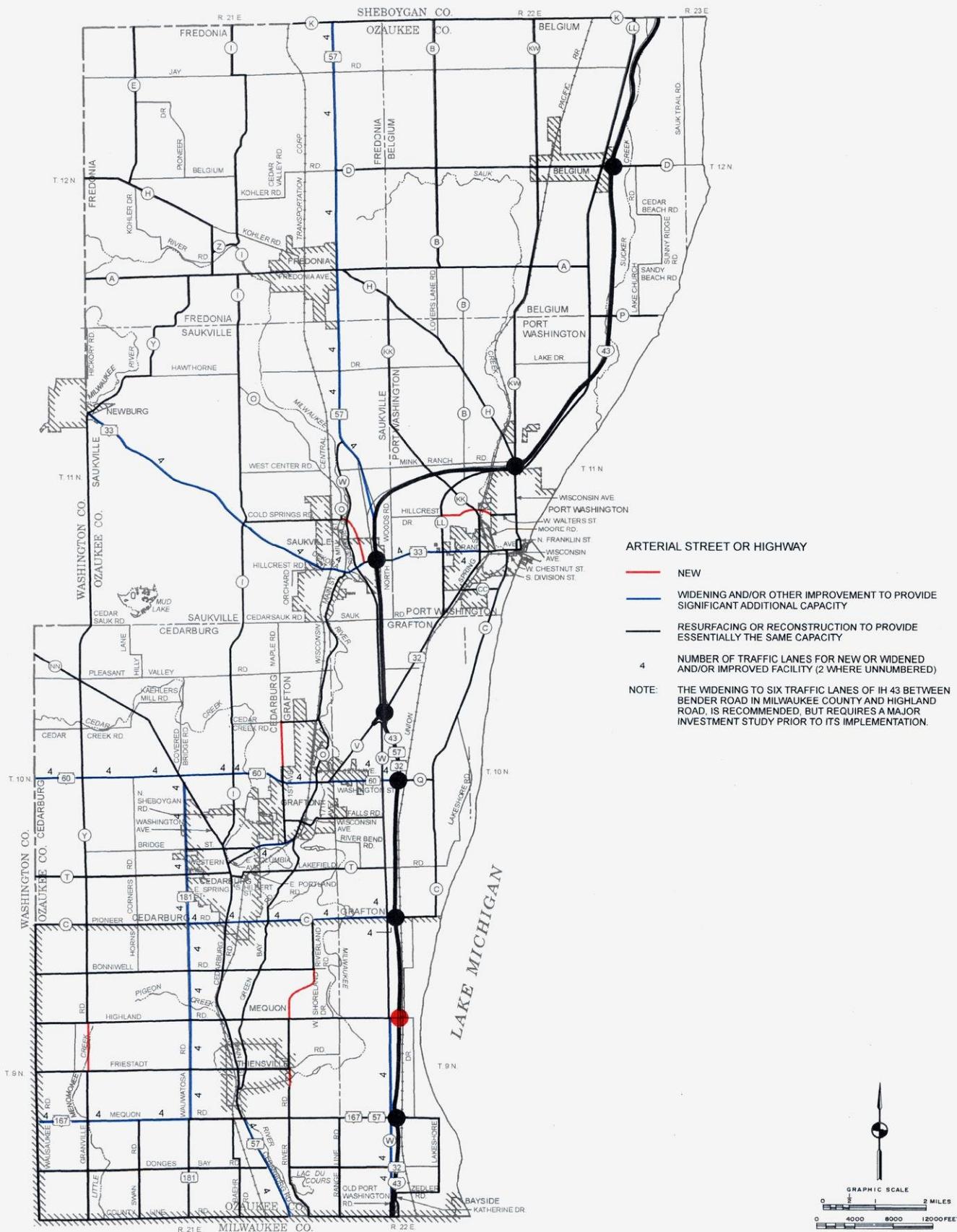
NOTE: THE WIDENING TO SIX TRAFFIC LANES OF IH 43 BETWEEN BENDER ROAD AND HIGHLAND ROAD IN OZAUKEE COUNTY, IS RECOMMENDED, BUT REQUIRES A MAJOR INVESTMENT STUDY PRIOR TO ITS IMPLEMENTATION.

MICHIGAN



Map 11 (continued)

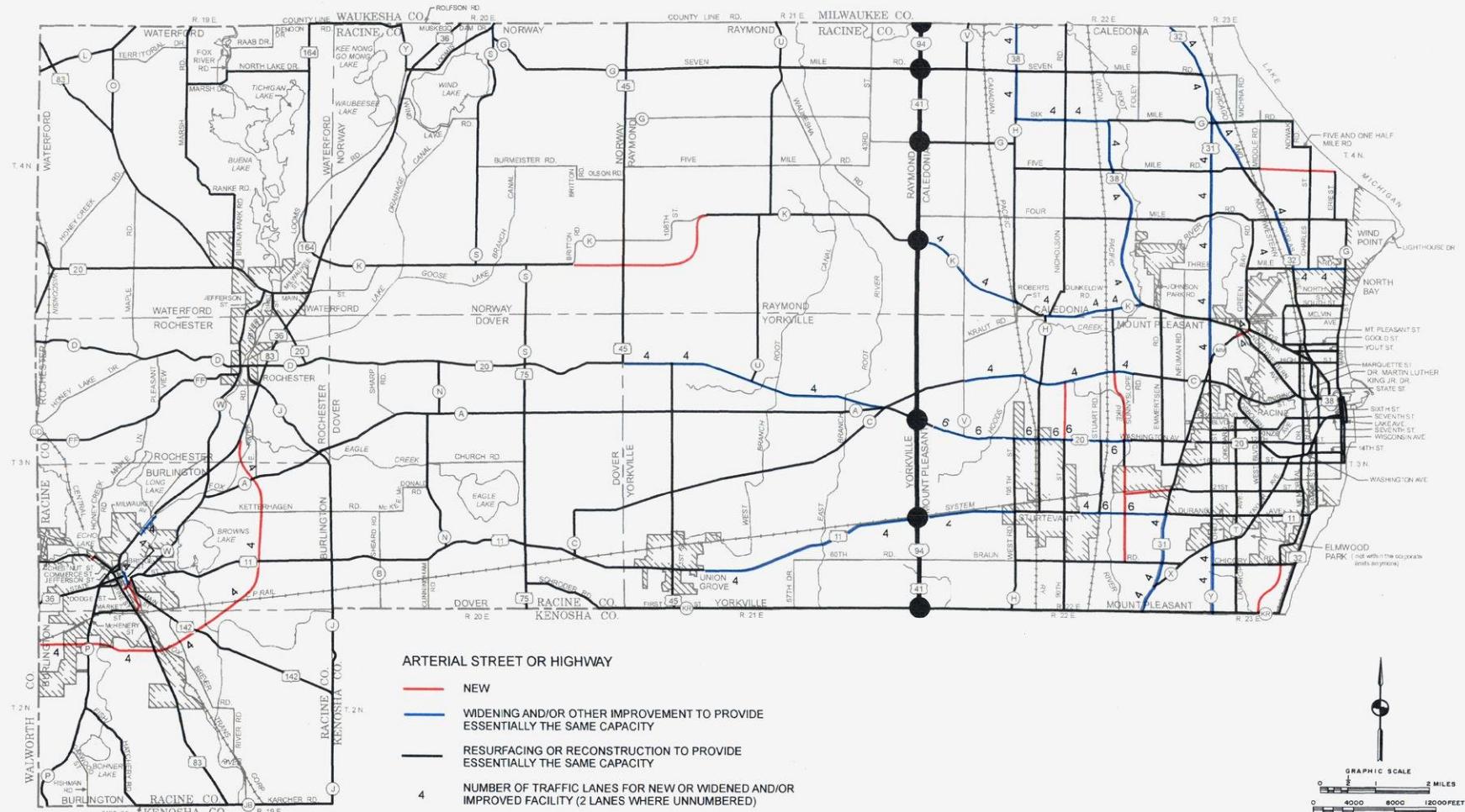
FUNCTIONAL IMPROVEMENTS TO THE ARTERIAL STREET AND HIGHWAY SYSTEM
IN OZAUKEE COUNTY: 2020 ADOPTED REGIONAL TRANSPORTATION SYSTEM PLAN



Map 11 (continued)

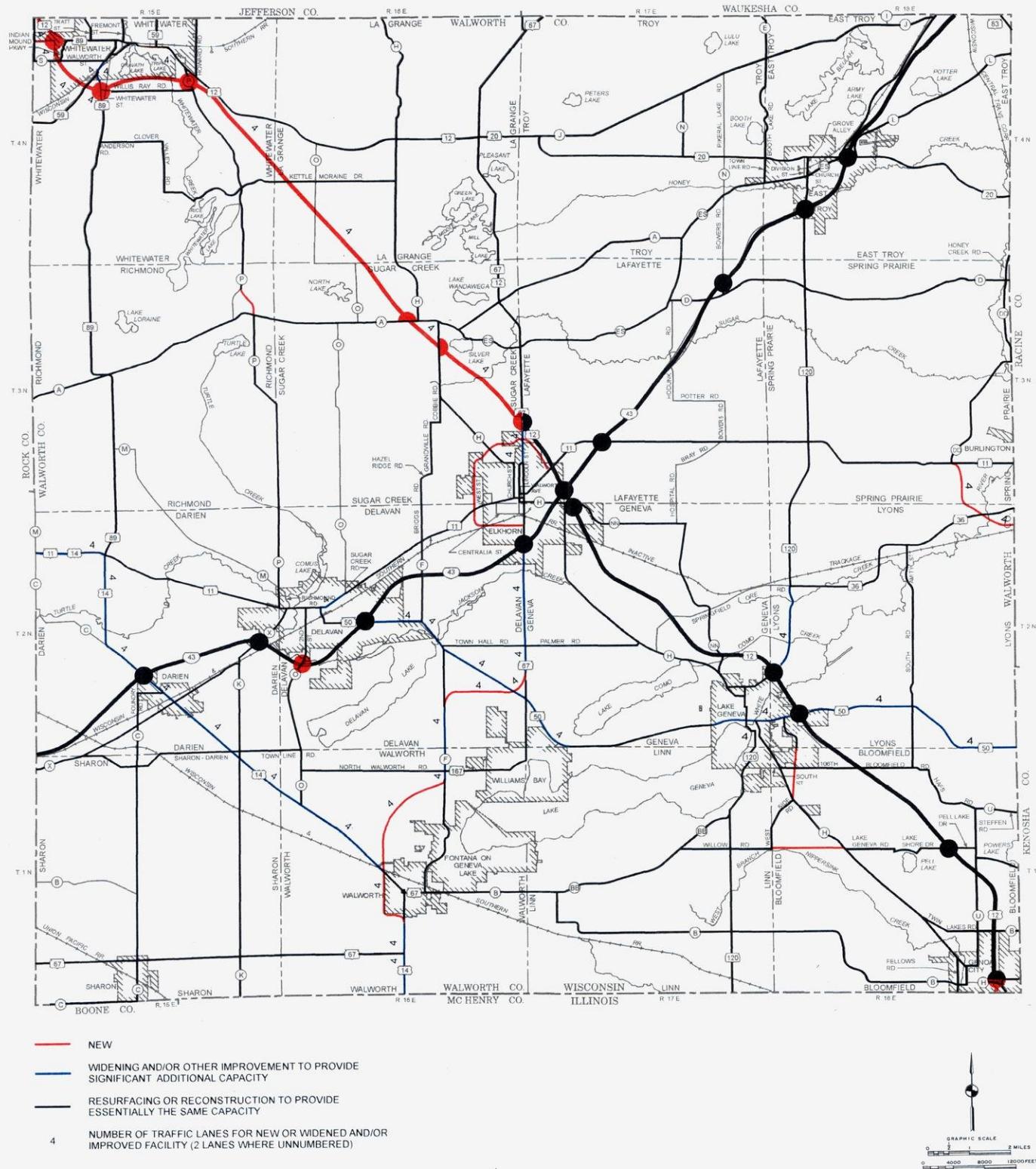
8L

FUNCTIONAL IMPROVEMENTS TO THE ARTERIAL STREET AND HIGHWAY SYSTEM
IN RACINE COUNTY: 2020 ADOPTED REGIONAL TRANSPORTATION SYSTEM PLAN



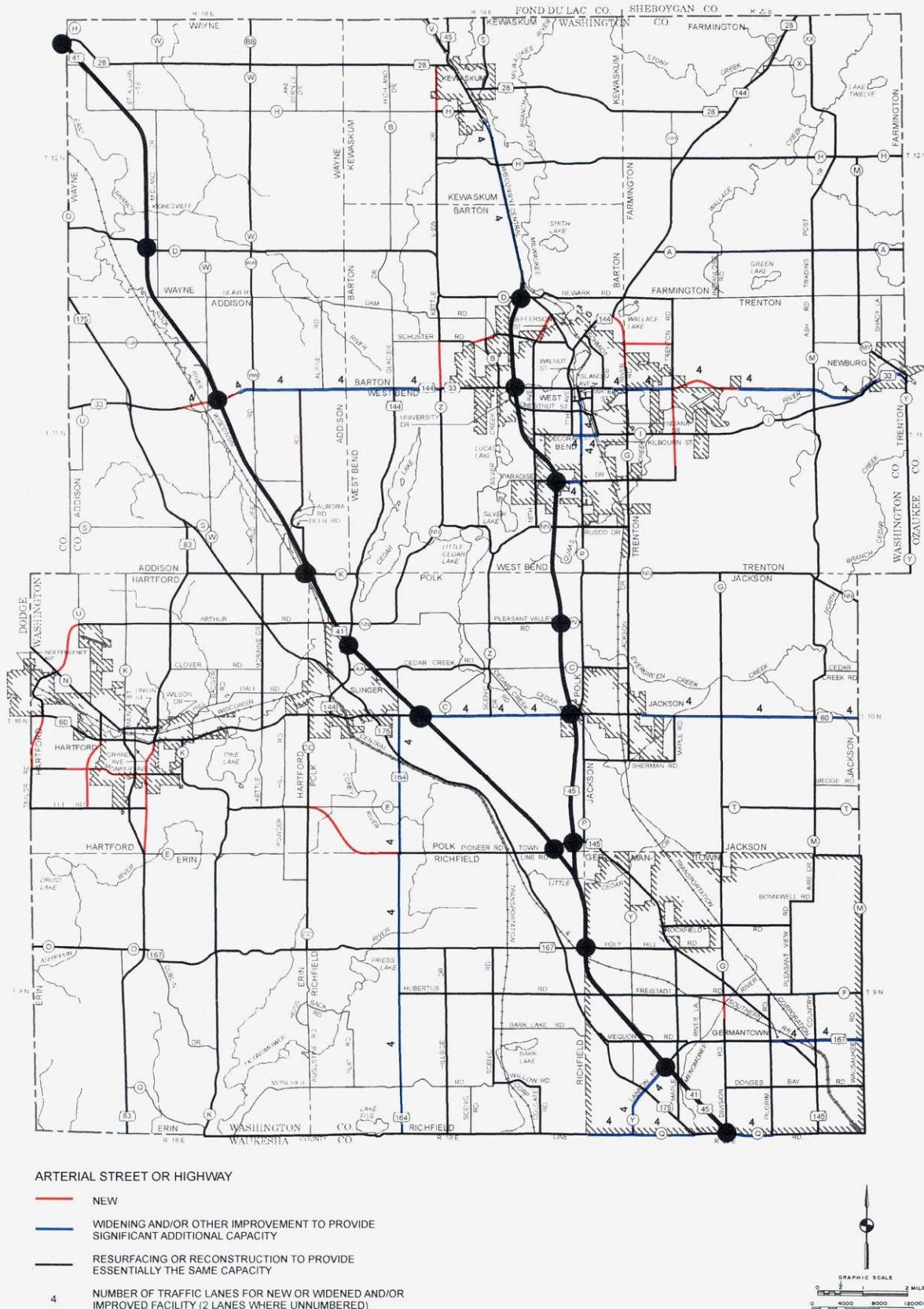
Map 11 (continued)

FUNCTIONAL IMPROVEMENTS TO THE ARTERIAL STREET AND HIGHWAY SYSTEM IN WALWORTH COUNTY: 2020 ADOPTED REGIONAL TRANSPORTATION SYSTEM PLAN



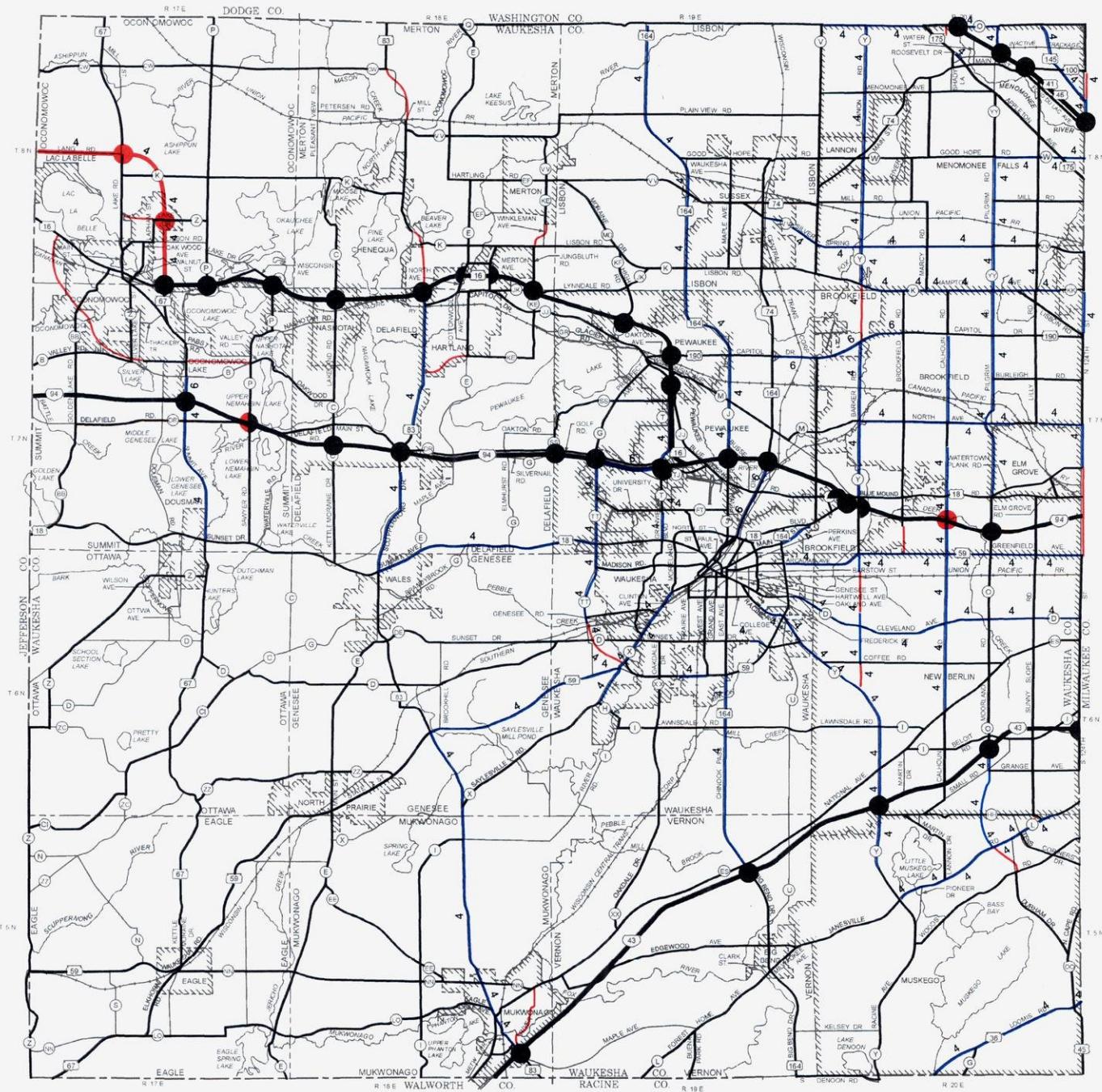
Map 11 (continued)

FUNCTIONAL IMPROVEMENTS TO THE ARTERIAL STREET AND HIGHWAY SYSTEM
IN WASHINGTON COUNTY: 2020 ADOPTED REGIONAL TRANSPORTATION SYSTEM PLAN



Map 11 (continued)

FUNCTIONAL IMPROVEMENTS TO THE ARTERIAL STREET AND HIGHWAY SYSTEM
IN WAUKESHA COUNTY: 2020 ADOPTED REGIONAL TRANSPORTATION SYSTEM PLAN



ARTERIAL STREET OR HIGHWAY

- NEW
- WIDENING AND/OR OTHER IMPROVEMENT TO PROVIDE SIGNIFICANT ADDITIONAL CAPACITY
- RESURFACING OR RECONSTRUCTION TO PROVIDE ESSENTIALLY THE SAME CAPACITY
- 4 NUMBER OF TRAFFIC LANES FOR NEW OR WIDENED AND/OR IMPROVED FACILITY (2 LANES WHERE UNNUMBERED)

GRAPHIC SCALE
0 1 2 MILES
0 4000 8000 12000 FEET

Preparation of New Jurisdictional Highway System Plan for Washington County Under Way

Preparation of a new, third-generation jurisdictional highway system plan for Washington County was initiated in 1999. The new plan is being prepared in response to changes in land use and traffic patterns within the County. Plan preparation is being guided by the Commission's 33-member Washington County Jurisdictional Highway Planning Committee.

The new plan will serve the following four purposes: 1) to propose a system of arterial facilities able to meet existing and probable future travel demand at an adequate level of service; 2) to identify the location and configuration of the various facilities that constitute the system; 3) to recommend the number of traffic lanes required on each segment of the arterial system; and 4) to recommend which level of government should assume responsibility for the construction, operation, and maintenance of each arterial facility.

Members of the Committee identified 27 specific issues for analysis and evaluation. The issues may be generally categorized either as reexaminations of currently adopted plan recommendations or as additions to the currently adopted plan. The Commission staff and the Committee initiated the evaluation of these issues in 1999 and may be expected to complete their work in 2000.

Regional Bicycle and Pedestrian Facilities System Plan

The Commission adopted a design year 2010 bicycle and pedestrian facilities system plan for the Region in January 1995. The plan is documented in SEWRPC Planning Report No. 43, *A Regional Bicycle and Pedestrian Facilities System Plan for Southeastern Wisconsin: 2010*, December 1994.

The regional bicycle and pedestrian facilities system plan is intended to be an integral part of the adopted year 2020 regional transportation system plan.

The regional bicycle and pedestrian facilities system plan is intended to assist public officials in considering improvements to better accommodate bicycle and pedestrian travel as part of the existing and planned regional transportation system, and to encourage increased levels of such travel for primarily utilitarian, as opposed to recreational, purposes.

Air Transportation Planning

The Commission monitors aviation activities within and surrounding the Region and provides technical assistance for airport master planning activities that implement the regional airport system plan. The adopted regional airport system plan is described in SEWRPC Planning Report No. 38 (2nd Edition), *A Regional Airport System Plan for Southeastern Wisconsin: 2010*, November 1996.

General trends in the level of aviation activity within Southeastern Wisconsin are indicated by the numbers of aircraft operations at, and of passengers using, Milwaukee County's General Mitchell International Airport, as well as by the number of aircraft based within the Region. In 1999, total aircraft operations at Mitchell International totaled about 221,900, representing an increase of about 1 percent over the 219,100 operations there in 1998. The 1999 total is about 4 percent above the 213,900 operations forecast to occur at Mitchell International during that year under the adopted regional airport system plan.

From 1998 to 1999, the number of air carrier enplaning and deplaning passengers at Mitchell International increased by about 290,000, to about 5,826,000 passengers, or about 5 percent above the 1998 level of about 5,536,000 passengers. The 1999 level was about 294,000, or about 5 percent, less than the 6,120,000 passengers forecast for that year under the adopted regional airport system plan.

General aviation activity can be measured in terms of the number of aircraft based within Southeastern Wisconsin according to Wisconsin Department of Transportation aircraft registration records. As shown in Table 18, a total of 1,570 aircraft were based in the Region in 1999, representing an increase of less than 1 percent over the total of 1,562 aircraft based in the Region during 1998. The number of aircraft based in the Region during 1999 was about 2 percent higher than the total of 1,536 forecast for that year under the adopted regional airport system plan.

CORRIDOR STUDY PROJECTS

Rail Transportation Planning

The Regional Planning Commission monitors the status of rail service within the Southeastern Wisconsin Region, proposals for service changes, and related

Table 18
GENERAL AVIATION AIRCRAFT BASED IN THE REGION

County	1960	1970	1980	1990	1998	1999
Kenosha.....	28	76	123	195	247	246
Milwaukee	338	356	388	358	338	337
Ozaukee	19	32	29	28	23	24
Racine	65	108	179	228	241	238
Walworth	23	48	98	127	185	194
Washington	45	118	158	191	197	201
Waukesha.....	118	243	304	341	331	330
Total	636	981	1,279	1,468	1,562	1,570

issues, and provides technical assistance to local communities as requested. As of December 31, 1999, rail freight service was being provided within Southeastern Wisconsin over a total of about 500 miles of active main-line trackage, as shown on Map 12.

Intercity passenger train service in the Region is provided by Amtrak between Chicago and Minneapolis-St. Paul over Canadian Pacific Railway trackage, with stops in Southeastern Wisconsin at Milwaukee and Sturtevant. Commuter rail service is provided between Kenosha and Chicago, with intermediate stops throughout the north shore suburbs of northeastern Illinois, by the Union Pacific Railroad under an agreement with Metra, the commuter rail division of the Regional Transportation Authority (RTA) in northeastern Illinois.

Commuter Rail Studies

During 1999, work was conducted on two commuter rail feasibility studies, one involving the Walworth-Fox Lake, Illinois, corridor and one involving the Burlington-Antioch, Illinois, corridor. The findings of these studies were intended to provide the information needed by public officials to make a decision as to whether or not to proceed with further consideration of commuter rail service in the corridors concerned. Significant work was completed during the year on both studies. For the Walworth-Fox Lake study, the Commission advisory committee guiding the conduct of the study requested that various track rehabilitation issues be addressed. This task, which necessitated additional field inspection work, was completed by the Commission staff. For the Burlington-Antioch study, the assessment of necessary facility and service improvements was completed for both the commuter rail and commuter bus alternatives. For both studies,

ridership forecasting and attendant development of operating costs were begun. As of the end of 1999, it was expected that both feasibility studies would be completed during 2000.

A detailed planning study of commuter rail and bus alternatives for the Kenosha-Racine-Milwaukee corridor was begun in late 1999. The envisioned service would be an extension of the existing commuter rail route already operated by Metra between Kenosha and Chicago. The study was undertaken at the request of the Counties and Cities of Kenosha, Racine, and Milwaukee and is being funded by those local governments and the Wisconsin Department of Transportation. The study was recommended in SEWRPC Community Assistance Planning Report No. 239, *Feasibility Study of Commuter Railway Passenger Train Service in the Kenosha-Racine-Milwaukee Corridor*, completed in June 1998.

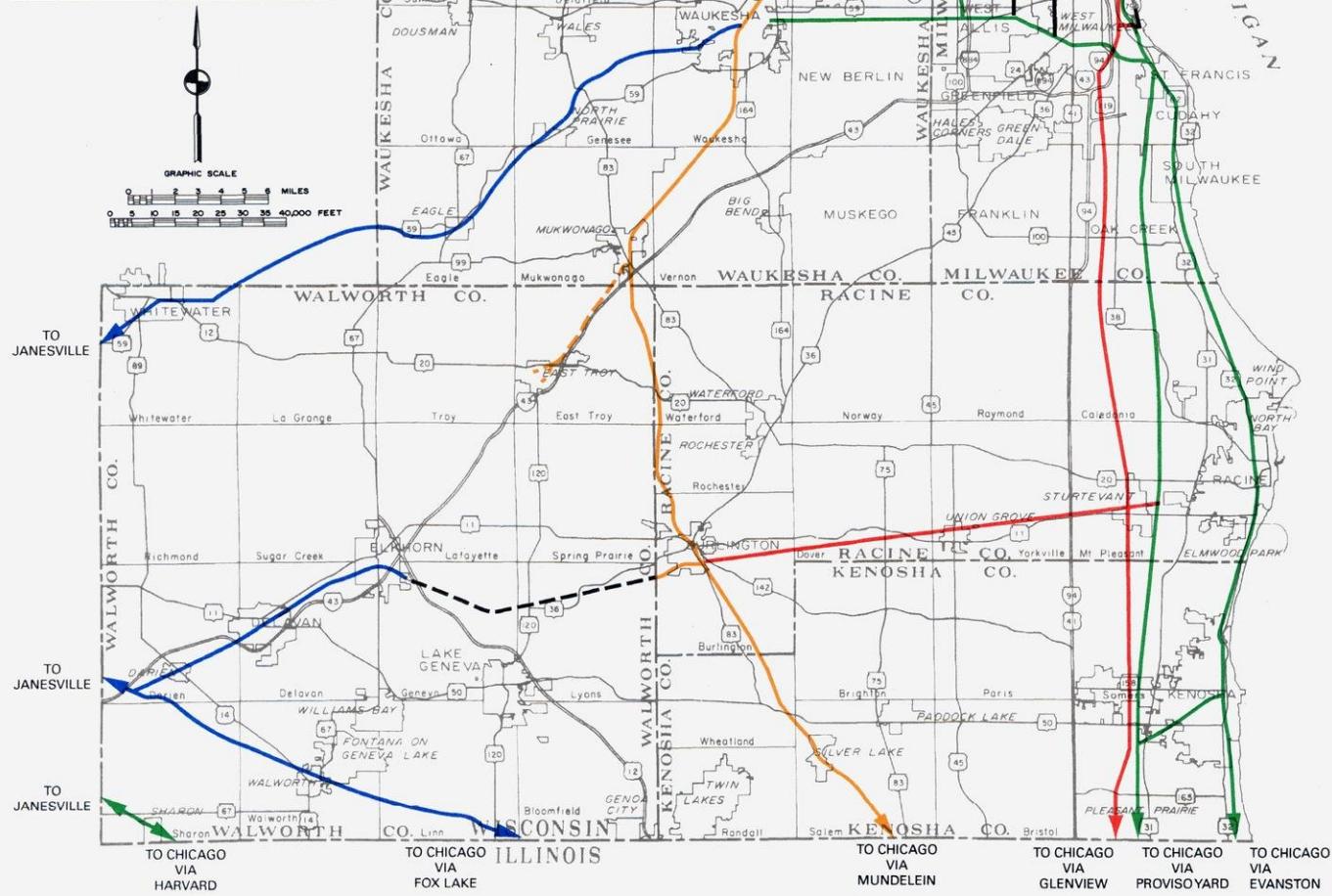
The scope of this transit corridor alternatives analysis study will provide a more detailed design of commuter rail alternatives; provide detailed design of commuter bus alternatives; compare the costs and benefits of commuter rail and bus alternatives; examine alternative means of funding, implementing, managing, and operating the alternatives; and provide sufficient information to enable local officials to determine whether or not to implement commuter rail or bus service. The study will include a significant public involvement element. By the end of 1999, a number of study initiation and organization steps had been completed, including the solicitation, evaluation, and selection of a consultant team to assist with various technical aspects of the study. It is envisioned that the study will take from 12 to 18 months to complete.

Map 12

COMMON-CARRIER
RAIL FREIGHT LINES IN
SOUTHEASTERN WISCONSIN
DECEMBER 31, 1999

- CANADIAN PACIFIC RAILWAY (CP)
- UNION PACIFIC RAILROAD (UP)
- WISCONSIN CENTRAL SYSTEM (WC)
- WISCONSIN & SOUTHERN RAILROAD COMPANY (WSOR)
- MUNICIPALITY OF EAST TROY WISCONSIN RAILROAD (METW)
- JOINT USE OR PRIVATE FACILITIES
- INACTIVE TRACKAGE

TRACKAGE RIGHTS		
RAILROAD HAVING TRACKAGE RIGHTS	RAILROAD GRANTING TRACKAGE RIGHTS	LOCATION
WC	CP	DULAINVILLE-MILWAUKEE
WC	CP	CANCO-MILWAUKEE
WC	UP	GRANVILLE-BUTLER
WC	WSOR	RUGBY JUNCTION-NORTH MILWAUKEE
WSOR	CP	NORTH MILWAUKEE-MILWAUKEE
WSOR	WC	SLINGER-WAUKESHA



ENVIRONMENTAL PLANNING DIVISION

DIVISION FUNCTIONS

The Commission's Environmental Planning Division conducts studies related to, and provides recommendations for, the protection and enhancement of the Region's environment. The kinds of basic questions addressed by this Division include the following:

- What is the existing quality of the lakes, streams, and groundwaters of the Region? Is its water quality getting better or worse over time?
- What are the sources of water pollution? How can these sources best be controlled to abate water pollution and meet water quality objectives?
- What areas of the Region should be provided with sanitary sewer service, and what are the most cost-effective ways of providing such service?
- What are the location and extent of the natural floodlands along the lakes and streams of the Region?
- What are the best ways to resolve existing flooding problems and to ensure that new flooding problems are not created?
- What are the best ways to resolve existing stormwater drainage, as opposed to flooding, problems and to provide adequate drainage facilities for existing and probable future rural and urban development? How can improved stormwater drainage systems best be integrated with needed nonpoint source water pollution abatement measures?
- What needs to be done to ensure a continued, ample supply of safe drinking water?
- How can solid wastes best be managed for recycling and disposal in an environmentally safe and energy-efficient manner?
- How can the Lake Michigan shoreline best be protected and used?

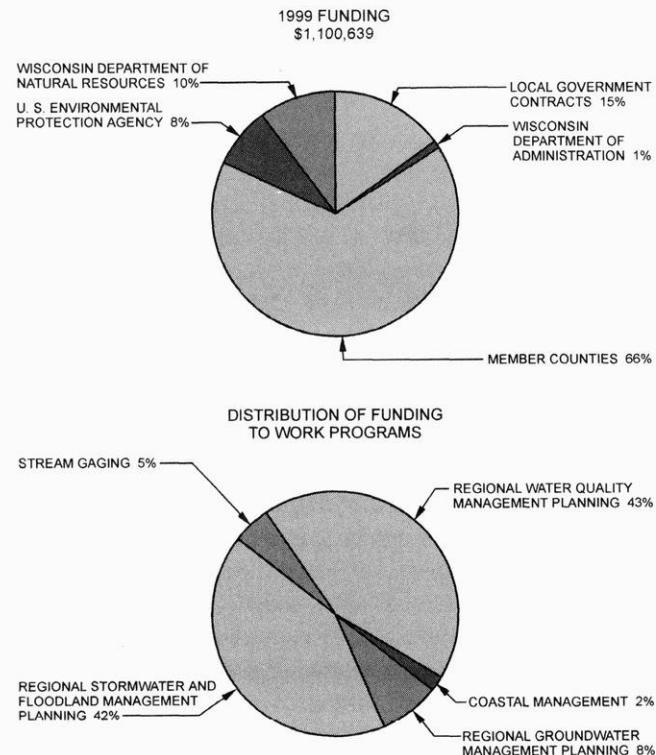
In attempting to find sound answers to these and related questions, to develop recommendations concerning environmental protection and enhancement, to monitor levels of environmental quality in the Region, and to respond to requests for data and technical assistance, activities were conducted in 1999 in three identifiable program areas: water quality management planning; watershed, floodland, and stormwater management planning; and coastal management planning.

WATER QUALITY MANAGEMENT PLANNING

During 1999, Commission water quality management planning efforts continued to be focused primarily on activities relating to implementation of the adopted regional water quality management plan and on

Figure 30

ENVIRONMENTAL PLANNING DIVISION



groundwater management activities. Such activities included providing assistance in the preparation of inland lake management plans; preparing local sanitary sewer service area plans; assisting counties and other local units of government in the Region in completing nonpoint source pollution abatement system plans and project designs, and sewerage facilities plans in preparation for the construction of point source pollution abatement facilities, both of which types of plans are identified in the adopted regional plan as needed; and working cooperatively with the Wisconsin Geological and Natural History Survey (WGNHS) and the U.S. Geological Survey (USGS) on a regional groundwater resource inventory and analysis program and the development of a regional groundwater aquifer simulation model. The Commission also continued to assist the Wisconsin Departments of Natural Resources and of Commerce in the review of proposed public sanitary sewer extensions, proposed private main sewers and building sewers, and proposed large onsite sewage disposal systems and holding tanks.

The Regional Water Quality Management Plan

In 1979, the Commission completed and adopted a regional water quality management plan. The plan, designed in part to meet the Congressional mandate that the waters of the United States be made to the extent practicable "fishable and swimmable," is set forth in SEWRPC Planning Report No. 30, *A Regional Water Quality Management Plan for Southeastern Wisconsin: 2000*, Volume One, *Inventory Findings*, September 1978; Volume Two, *Alternative Plans*, February 1979; and Volume Three, *Recommended Plan*, June 1979. The plan provides recommendations for the control of water pollution from such point sources as sewage treatment plants, points of separate and combined sewer overflow, and industrial waste outfalls and from such nonpoint sources as urban and rural stormwater runoff. The regional water quality management plan is one of the more important plan elements adopted by the Commission since, in addition to providing clear and concise recommendations for the control of water pollution, it provides the basis for the continued eligibility of local units of government for Federal and State loans and grants in partial support of sewerage system development and redevelopment, for the issuance of waste discharge permits by the Wisconsin Department of Natural Resources, for the review and approval of public sanitary sewer extensions by that Department, and for the review and approval of private sanitary sewer extensions and large onsite sewage

disposal systems and holding tanks by the Wisconsin Department of Commerce.

The adopted regional water quality management plan for Southeastern Wisconsin consists of five major elements: a land use element, a point source pollution abatement element, a nonpoint source pollution abatement element, a sludge management element, and a water quality monitoring element. A descriptive summary of the initial regional water quality management plan was provided in the Commission's *1979 Annual Report*.

Subsequently, the Commission completed a report documenting the updated content and implementation status of the regional water quality management plan as amended over approximately the first 15 years since the initial adoption of the plan. This report, SEWRPC Memorandum Report No. 93, *A Regional Water Quality Management Plan for Southeastern Wisconsin: An Update and Status Report*, March 1995, provides a comprehensive restatement of the regional water quality management plan as thus amended. The plan status report reflects implementation actions taken and plan amendments adopted since the initial plan was completed. The status report also documents, as available data permit, the extent of progress which had been made toward meeting the water use objectives and supporting water quality standards set forth in the regional water quality management plan.

Nonpoint Source Pollution Abatement Planning

The adopted regional water quality management plan recommends that local agencies charged with responsibility for nonpoint source pollution control prepare refined and detailed local-level nonpoint source pollution control plans and programs. Such plans and programs are to identify and implement the nonpoint source pollution control practices that should be applied to specific lands. This more refined and detailed level of planning was recommended because the design of nonpoint source pollution abatement practices should be a localized, highly detailed, and individualized effort, an effort that is based on site-specific knowledge of the physical, managerial, social, and fiscal considerations that affect the land-owners concerned.

The Commission provides assistance in planning and project review activities for a number of programs which are considered to be steps toward implementation of the nonpoint pollution abatement recommendations set forth in the regional water quality management plan. These programs include the follow-

ing: the Wisconsin Nonpoint Source Priority Watershed Pollution Abatement Program, administered by the Wisconsin Department of Natural Resources in cooperation with the Wisconsin Department of Agriculture, Trade and Consumer Protection, a program which provides cost-sharing funds for individual projects or land management practices to local governments and private landowners following completion and adoption of detailed watershed plans; the stormwater discharge permit system administered by the Department of Natural Resources; and local-level stormwater management and land and water resource management planning programs. During 1999, the Commission provided assistance to the State agencies involved and the counties and other local units of government concerned in carrying out these programs. Examples of this work include the following:

- At the request of Kenosha County, the Commission staff reviewed and commented on proposed stormwater management measures incorporating nonpoint source pollution control measures attendant to site development plans for six development projects, one in the Town of Randall, three in the Town of Salem, one in the Town of Somers, and one in the Town of Wheatland.
- The Commission staff provided overall coordination for the preparation of a joint State of Wisconsin stormwater discharge permit application, a process involving certain Menomonee River watershed communities, including the Cities of Brookfield, Greenfield, and Wauwatosa and the Villages of Butler, Elm Grove, Germantown, Menomonee Falls, and West Milwaukee. An agreement specifying the responsibilities of the eight communities and the Commission in the preparation of the permit application was adopted by all parties. The Commission staff prepared standards and procedures recommended to be used by the group communities for stormwater management systems inventories and maps and prepared selected elements of the permit application to be combined with elements prepared by the communities for submittal to the Wisconsin Department of Natural Resources early in 2000.
- The Commission staff began providing overall coordination for the preparation of a joint State of Wisconsin stormwater discharge permit application involving certain Root River watershed communities, including the Cities of Franklin, New Berlin, and Racine; the Villages of Greendale and Hales Corners; and the Towns of Caledonia and Mt. Pleasant. An agreement specifying the responsibilities of the seven communities and the Commission in the preparation of the permit application was adopted by all parties.
- The Commission staff, in cooperation with the Kenosha County Department of Planning and Development staff, initiated work on the preparation of a land and water resource management plan for Kenosha County. Plan preparation has been overseen by an advisory committee appointed by the County for the purpose. In addition, the Commission staff, in cooperation with the Washington County Land Conservation Department staff, initiated work on the preparation of a land and water resource management plan for Washington County. These county-level plans are required, under recently enacted State legislation, to serve as guides for carrying out county-level land and water resource management programs and are needed in order to enable the Counties concerned to qualify for certain State cost-sharing funds for implementation of such programs.
- The Commission staff provided the Wisconsin Department of Natural Resources with land use data for communities in the Upper Fox River watershed. Those data were to be used by the Department in its determination as to which communities in the watershed would be required to obtain stormwater discharge permits.
- At the request of Waukesha County, the Commission reviewed and commented on the stormwater management and groundwater management environmental assessments information for three development proposals, one in the Town of Mukwonago and two in the Town of Oconomowoc.

Lake Management Planning

The adopted regional water quality management plan recommends that detailed, comprehensive lake management plans be prepared for the drainage areas directly tributary to each of the 101 major lakes lying within Southeastern Wisconsin and for selected smaller lakes in the Region.

The Commission and the Wisconsin Department of Natural Resources work with local lake community organizations, including lake management associations and lake protection and rehabilitation districts, to complete the preparation of such lake management plans. These lake management plans are documented in Commission community assistance planning reports. These reports describe the existing chemical, biological, and physical water quality conditions of each lake in question; existing and proposed uses of the lake and attendant water quality objectives and standards; recommended pollution abatement measures required in each lake watershed to protect and enhance lake water quality; and recommended aquatic plant management and other appropriate in-lake measures needed to provide for a range of suitable recreational uses of the lake.

Prior to 1999, comprehensive lake management plans were completed for the following lakes within the Region: Powers in Kenosha and Walworth Counties; Wind in Racine County; Geneva, and Whitewater and Rice, in Walworth County; Friess in Washington County; and Ashippun, Eagle Spring, Fowler, Little Muskego, North, Oconomowoc, Okaukee, and Pewaukee, Lake Keesus, and Lac La Belle, all in Waukesha County.

In addition, prior to 1999, a number of other, more narrowly focused plans and related reports were prepared, including a lake use management plan for Waubeesee Lake and the Anderson Canal, which connects Long Lake (Kee Nong Go Mong Lake) to Waubeesee Lake, in Racine County; an aquatic plant management plan for the Phantom Lakes in Waukesha County; an aquatic plant inventory for Pine Lake in Waukesha County; lake protection plans for Silver Lake and Pretty Lake in Waukesha County; a public boating access and waterway protection plan for Big Muskego Lake in Waukesha County; a watershed inventory report for Upper Nemahbin Lake in Waukesha County; lake protection and recreational use plans for Silver Lake in Washington County and Hunters Lake in Waukesha County; and a lakefront recreational use and waterway protection plan for that portion of the shoreline of Pewaukee Lake located within the Village of Pewaukee in Waukesha County. While these plans or reports form elements of comprehensive lake water quality management plans, they do not, in and of themselves, constitute such plans.

During 1999, the Commission continued to provide technical assistance to certain municipalities, lake management associations, and lake protection and rehabilitation districts. During the year, the Commission participated in lake-management-related meetings convened by the University of Wisconsin-Extension, the Wisconsin Department of Natural Resources, and the Wisconsin Association of Lakes. Technical assistance relating to specific lake management needs was provided to municipalities and lake associations or districts for Voltz Lake in Kenosha County; Benedict and Powers Lakes in Kenosha and Walworth Counties; Wind Lake in Racine County; Booth, Delavan, Geneva, Pell, Pleasant, Tombeau, and Whitewater and Rice Lakes, Lake Beulah, and the Lauderdale Lakes, all in Walworth County; Big Cedar, Little Cedar, Pike, and Silver Lakes in Washington County; Crooked, Eagle Spring, Fowler, Middle Genesee, Hunters, Lower Kelly, Nagawicka, Upper Nemahbin, Okaukee, Pewaukee, Upper and Lower Phantom, Pine, Pretty, and Willow Springs Lakes, Lake Keesus, and Lac La Belle in Waukesha County; and Upper Kelly Lake in Waukesha and Milwaukee Counties.

Assistance in preparing applications for State grants in partial support of lake protection and management planning was also provided during 1999 for several lakes. Over the years 1992 through 1999, the Commission assisted in preparing grant applications in support of more than 50 lake-management-related projects on 36 of the Region's lakes.

Lake and Watershed Inventory for Nagawicka Lake

The Commission completed a lake and watershed inventory for Nagawicka Lake during 1999. The inventory, documented in SEWRPC Memorandum Report No. 130, *A Lake and Watershed Inventory for Nagawicka Lake, Waukesha County, Wisconsin*, March 1999, was prepared by the Commission for the City of Delafield Lake Welfare Committee. This inventory documents existing and anticipated conditions and potential management problems pertaining to Nagawicka Lake and sets the groundwork for the development of a recommended plan for the resolution of these problems. The development of a recommended plan constitutes a second phase of this planning program, a phase that was under way at year's end, with an anticipated completion date by the end of 2000.

Nagawicka Lake is located on the Bark River tributary to the Rock River, in close proximity to the Milwaukee metropolitan area and adjacent to a progressively urbanizing part of Waukesha County in which its tributary drainage area is partly located. Nagawicka Lake was found to be a deep-water, dimictic, meso-eutrophic lake with relatively good water quality. Physical and chemical parameters measured during the inventory indicated a range in the water quality conditions, varying from poor to good, depending upon the indicator considered. Surveys indicated that the Lake and its tributary drainage area contain significant areas of ecological value, including numerous wetlands and high-quality wildlife habitat surrounding the Lake. The Nagawicka Lake inventory identified the water-based experiences desired by Lake residents and visitors, and determined the degree to which the existing conditions within the Lake and its watershed contributed to achieving and maintaining a water quality and in-lake environment conducive to satisfying these desires. The inventory findings form an essential prerequisite to determining those actions necessary to enhance the aesthetic and recreational potential of the Lake while minimizing negative human impacts on the Lake and on the ecologically valuable areas adjacent to the Lake and in its watershed.

Environmental Analysis of the Lands at the Headwaters of Gilbert Lake and Big Cedar Lake

Also during 1999, the Commission completed an environmental analysis of the lands at the headwaters of Gilbert and Big Cedar Lakes, both located in Washington County. The analysis, conducted at the request of the Town of West Bend, is documented with its findings and recommendations in SEWRPC Memorandum Report No. 131, *Environmental Analysis of the Lands at the Headwaters of Gilbert Lake and Big Cedar Lake, Washington County, Wisconsin*, March 1999. The study report, which is intended to help the Town Plan Commission and Town Board make fully informed decisions relative to the use of the lands involved, sets forth an inventory of the study area's existing natural resource and land use base, including information on the area's wetlands, woodlands, environmental corridors, soils and soils limitations, surface-water resources, wildlife habitat and fisheries resources, and natural areas and critical species habitat areas as identified in the adopted regional natural areas and critical species habitat protection and management plan. The report also contains a detailed inventory of the area's existing vegetative cover and plant com-

munities as well as information regarding 1) the area's critical animal and plant species and their habitats and 2) the area's natural habitat and other natural resource management needs, including control of exotic plant species. In addition, the report contains general information on plant community management practices. The report also sets forth a recommended management plan for the study area, which includes recommendations regarding aquatic macrophyte management, preservation of wooded buffers, the revegetation of disturbed plant community areas, and management and protective acquisition recommendations regarding certain specific lands within the area.

Local and Subregional Sewerage Facilities Planning

During 1999, the Commission continued to work with local engineering staffs and consultants in the preparation of detailed local sewerage facilities plans designed to meet the requirements of Section 201 of the Federal Clean Water Act, the requirements of the Wisconsin Clean Water Fund administered by the Wisconsin Department of Natural Resources, and good engineering practice. Work activities during 1999 included the provision of basic economic, demographic, land use, and natural resource base data for use in the preparation of the facilities plans; the extension of the findings and recommendations of the regional water quality management plan, particularly those regarding sanitary sewer service areas, trunk sewer configurations, and treatment plant locations, capacities, and levels of treatment; and the review of, and comment on, the preliminary plans.

The Commission was directly involved in the following local and subregional sewerage facility planning efforts in 1999:

- Continued assistance to local units of government within the Region in developing facility plans for modifications to existing public sewerage systems and for providing new centralized sanitary sewerage systems. During 1999, local sewerage facilities plans were completed for the Town of Bristol in Kenosha County, the Village of Genoa City in Walworth County, and the Phantom Lakes area in Waukesha County. These plans set forth recommendations for the extension of existing and for the construction of new sewerage facilities in accordance with the

recommendations of the adopted regional water quality management plan. As of year's end, the facilities plans for the Town of Bristol and the Village of Genoa City were adopted by the local units of government concerned and were approved or under review by the Wisconsin Department of Natural Resources. The facility plan for the Phantom Lakes area was being held in abeyance due to concerns raised during the public input phase of the planning process.

- Continuation of work on the preparation of a sanitary sewerage system plan for northwestern Waukesha County. The Commission is administering this system planning work on behalf of the 17 local units of government concerned. A consultant has been retained by the Commission to conduct the technical work involved. The system plan is being designed to identify the most cost-effective and environmentally sound sewerage system required to serve existing and probable future urban development in northwestern Waukesha County. The plan was near completion by year's end and will be published early in 2000.

Sanitary Sewer Extensions and Sewer Service Area Refinement Process

The adoption by the Commission during 1979 of a regional water quality management plan for Southeastern Wisconsin set into motion a process whereby, under rules promulgated by the Wisconsin Department of Natural Resources, the Commission must review and comment on all proposed public sanitary sewer extensions. Such review and comment must relate a proposed public sewer extension to the sanitary sewer service areas identified in the adopted regional water quality management plan; and, under Section NR 110.08(4) of the *Wisconsin Administrative Code*, the Department may not approve any proposed public sanitary sewer extension unless such extension is found to be in conformance with the adopted areawide water quality management plan. In addition, rule changes promulgated by the Wisconsin Department of Industry, Labor and Human Relations during 1985 require the Commission to comment on certain proposed private sanitary sewer extensions and large onsite sewage disposal systems and holding tanks relative to the adopted areawide water quality management plan. Under Section Comm 82.20(4) of the *Wisconsin Administrative Code*, the Wisconsin Department of Commerce may not approve any proposed

private main sewer or building sewer extension unless such extension is found to be in conformance with an adopted areawide water quality management plan. A similar finding must be made for large-scale onsite sewage treatment and disposal systems and holding tanks under a cooperation agreement between the Wisconsin Departments of Commerce and Natural Resources.

When the regional water quality management plan was adopted in 1979, that plan included preliminary recommended sanitary sewer service areas tributary to each recommended public sewage treatment plant within the Region. A total of 85 such sanitary sewer service areas were delineated in the adopted plan. These initially recommended sanitary sewer service areas were based upon the second-generation regional land use plan for the plan design year 2000. As such, the preliminary delineations were general in nature and did not reflect detailed local planning considerations. Accordingly, the Commission recommended that upon adoption of the regional water quality management plan, work be undertaken to refine and detail each of the sewer service areas in cooperation with the local units of government concerned. A process for refining and detailing the areas was set forth in the adopted regional plan, for each area involving intergovernmental meetings with the affected units of government and culminating in the holding of a public hearing on the refined and detailed sewer service area map. Such a map was to identify not only the planned perimeter of the sewer service area, but also the location and extent of the primary environmental corridors within that service area, which corridors contain the best and most important elements of the natural resource base. Preserving the environmental corridor lands in essentially natural, open uses was considered essential to the maintenance of the overall quality of the environment and to avoidance of the creation of serious and costly developmental problems. Urban development was to be excluded from the corridors identified in the sewer service area plans, an important factor to be considered in the extension of sanitary sewer service.

The Commission also determined that each refined and detailed sanitary sewer service area plan, including detailed delineations of the primary environmental corridors within the service area involved, would be documented in a Commission community assistance planning report. That report would be formally adopted by the appropriate local sewerage agency and by the Commission and forwarded to the Wisconsin Department of Natural Resources and the U.S. Environmental

Protection Agency for approval as an amendment to the adopted regional water quality management plan.

As noted above, the regional water quality management plan as originally adopted in 1979 identified 85 sanitary sewer service areas. Subsequent to adoption of the original plan, the Commission, in cooperation with the local units of government concerned, has carried out a continuing work effort to refine and detail the planned sewer service areas within the Region and thereby amend the adopted regional water quality management plan. During 1999, this work effort included the following:

- The completion and adoption by the Commission of a refined sanitary sewer service area plan for the Town of Norway Sanitary District No. 1 and, environs in Racine and Waukesha Counties. The plan was adopted by the Town of Norway Sanitary District No. 1 in 1999 and forwarded to the Wisconsin Department of Natural Resources for approval.
- The completion and adoption by the Commission of a second-generation sanitary sewer service area plan for the City of Waukesha and environs in Waukesha County. The prior plan for the City and environs was completed and adopted by the Commission and the City in 1985, and was amended several times thereafter. The updated and revised plan was also adopted by the City in 1999 and forwarded to the Wisconsin Department of Natural Resources for approval.
- The completion and adoption by the Commission of a second-generation sanitary sewer service area plan for the City of Oconomowoc and environs in Waukesha and Jefferson Counties. The prior plan for the City and environs was completed and adopted by the Commission and the City in 1989, and was amended once thereafter, as noted below. The updated and revised plan was also adopted by the City in 1999 and forwarded to the Wisconsin Department of Natural Resources for approval.
- The adoption by the Commission of amendments to the sanitary sewer service areas for the Eagle Lake Sewer Utility District in Racine County; the City of Racine area in Racine and Kenosha Counties; the Village of Genoa City in Walworth County; the City of Hartford area in Washington and Dodge Counties; the Village of Hartland, the

City of Muskego, and the City of New Berlin in Waukesha County; the Village of Mukwonago area in Waukesha and Walworth Counties; and the City of Oconomowoc area in Waukesha and Jefferson Counties. After its adoption, the Oconomowoc amendment was superseded by the aforementioned second-generation sanitary sewer service area plan for the City and environs.

By the end of 1999, as a result of the refinement and detailing process, a total of 73 of the 85 initially identified sanitary sewer service areas had been refined and detailed. Because the refinement and detailing process sometimes involves the redefinition and combination of previously defined areas, these 73 originally defined areas are represented by a total of 57 redefined areas.

In addition, the refinement and detailing process sometimes has resulted in the recognition of new sanitary sewer service areas that were either not envisioned in the original 1979 regional water quality management plan or were part of envisioned larger sewer service areas. As of the end of 1999, 12 such areas had been delineated by amendments to the regional water quality management plan. These 12 new areas include the following: the Powers-Benedict-Tombeau Lakes area, located in Kenosha and Walworth Counties; the City of Franklin and the City of Oak Creek portions of the Milwaukee Metropolitan Sewerage District (MMSD), located in Milwaukee County; the Bohner Lake area, located in Racine County; the Alpine Valley, the Country Estates Sanitary District, the Pell Lake, and the Griedanus Landfill areas, all located in Walworth County; the Eagle Spring Lake Sanitary District, the Village of Lannon portion of the Lannon-Menomonee Falls area, and the Mukwonago County Park area, all located in Waukesha County; and the Rainbow Springs area, located in both Waukesha and Walworth Counties.

The planning status of the recommended sanitary sewer service areas within the Region is summarized in Table 19 and on Map 13. The table identifies the 85 initially identified sewer service areas; the 73 initially identified sewer service areas for which the recommended plan refinement process was completed at the end of 1999; and the 57 redefined areas and the 12 new areas resulting from the plan refinement process. The table also identifies the documents setting forth each refined and detailed sanitary sewer service area plan and the respective dates on which the Commission

Table 19

PLANNED SANITARY SEWER SERVICE AREAS IN THE REGION: 1999

County	Name(s) of Initially Defined Sanitary Sewer Service Area(s)	Name(s) of Refined and Detailed Sanitary Sewer Service Area(s) ^a	Date of SEWRPC Adoption of Plan Amendment	Plan Amendment Document
Kenosha	Bristol IH 94 Kenosha Pleasant Park Pleasant Prairie North Pleasant Prairie South Somers	Greater Kenosha	March 6, 1996	<i>Amendment to the Regional Water Quality Management Plan—2010, Greater Kenosha Area, March 1996</i>
	Bristol-George Lake	Bristol	December 1, 1986	<i>SEWRPC Community Assistance Planning Report No. 145, Sanitary Sewer Service Area for the Town of Salem Utility District No. 1, Village of Paddock Lake, and Town of Bristol Utility District Nos. 1 and 1B, Kenosha County, Wisconsin, October 1986</i>
	Camp-Center Lakes Cross Lake Rock Lake Wilmot	Salem South	March 3, 1986	<i>SEWRPC Community Assistance Planning Report No. 143, Sanitary Sewer Service Area for the Town of Salem Utility District No. 2, Kenosha County, Wisconsin, February 1986</i>
	Hooker-Montgomery Lakes	Salem North	December 1, 1986	<i>SEWRPC Community Assistance Planning Report No. 145, Sanitary Sewer Service Area for the Town of Salem Utility District No. 1, Village of Paddock Lake, and Town of Bristol Utility District Nos. 1 and 1B, Kenosha County, Wisconsin, October 1986</i>
	Paddock Lake	Paddock Lake	December 1, 1986	<i>SEWRPC Community Assistance Planning Report No. 145, Sanitary Sewer Service Area for the Town of Salem Utility District No. 1, Village of Paddock Lake, and Town of Bristol Utility District Nos. 1 and 1B, Kenosha County, Wisconsin, October 1986</i>
	--	Powers-Benedict-Tombeau Lakes	December 7, 1994	<i>Amendment to the Regional Water Quality Management Plan—2000, Pell Lake Area and Powers-Benedict-Tombeau Lakes Area, Kenosha and Walworth Counties, December 1994</i>
	Silver Lake	Silver Lake	December 2, 1998	<i>SEWRPC Community Assistance Planning Report No. 119, 2nd Edition, Sanitary Sewer Service Area for the Village of Silver Lake and Environs, Kenosha County, Wisconsin, December 1998</i>
	Twin Lakes	Twin Lakes	June 15, 1987	<i>SEWRPC Community Assistance Planning Report No. 149, Sanitary Sewer Service Area for the Village of Twin Lakes, Kenosha County, Wisconsin, May 1987</i>
Milwaukee	Milwaukee Metropolitan Sewerage District (portion)	Franklin	December 5, 1990	<i>SEWRPC Community Assistance Planning Report No. 176, Sanitary Sewer Service Area for the City of Franklin, Milwaukee County, Wisconsin, October 1990</i>
	Milwaukee Metropolitan Sewerage District (portion)	Oak Creek	September 7, 1994	<i>SEWRPC Community Assistance Planning Report No. 213, Sanitary Sewer Service Area for the City of Oak Creek, Milwaukee County, Wisconsin, July 1994</i>
	Milwaukee Metropolitan Sewerage District (portion)	--	--	--

Table 19 (continued)

County	Name(s) of Initially Defined Sanitary Sewer Service Area(s)	Name(s) of Refined and Detailed Sanitary Sewer Service Area(s) ^a	Date of SEWRPC Adoption of Plan Amendment	Plan Amendment Document
Milwaukee (continued)	South Milwaukee	--	--	--
Ozaukee	Belgium	Belgium	September 15, 1993	SEWRPC Community Assistance Planning Report No. 97, 3rd Edition, <i>Sanitary Sewer Service Area for the Village of Belgium, Ozaukee County, Wisconsin</i> , August 1993
	Cedarburg Grafton	Cedarburg Grafton	June 19, 1996	SEWRPC Community Assistance Planning Report No. 91, 2nd Edition, <i>Sanitary Sewer Service Areas for the City of Cedarburg and the Village of Grafton, Ozaukee County, Wisconsin</i> , June 1996
	Fredonia Waubeka	Fredonia Waubeka	September 13, 1984	SEWRPC Community Assistance Planning Report No. 96, <i>Sanitary Sewer Service Area for the Village of Fredonia, Ozaukee County, Wisconsin</i> , July 1984
	Lake Church	--	--	--
	Mequon Thiensville	Mequon Thiensville	January 15, 1992	SEWRPC Community Assistance Planning Report No. 188, <i>Sanitary Sewer Service Area for the City of Mequon and the Village of Thiensville, Ozaukee County, Wisconsin</i> , January 1992
	Port Washington	Port Washington	December 1, 1983	SEWRPC Community Assistance Planning Report No. 95, <i>Sanitary Sewer Service Area for the City of Port Washington, Ozaukee County, Wisconsin</i> , September 1983
Racine	--	Bohner Lake	June 15, 1994	<i>Amendment to the Regional Water Quality Management Plan—2000, City of Burlington/Bohner Lake Sanitary Sewer Service Areas, June 1994</i>
	Burlington	Burlington	June 16, 1986	SEWRPC Community Assistance Planning Report No. 78, <i>Sanitary Sewer Service Area for the City of Burlington, Racine County, Wisconsin</i> , April 1986
	Eagle Lake	Eagle Lake	January 18, 1993	SEWRPC Community Assistance Planning Report No. 206, <i>Sanitary Sewer Service Area for the Eagle Lake Sewer Utility District, Racine County, Wisconsin</i> , December 1992
	Racine Caddy Vista	Racine Caddy Vista	December 1, 1986	SEWRPC Community Assistance Planning Report No. 147, <i>Sanitary Sewer Service Area for the City of Racine and Environs, Racine County, Wisconsin</i> , November 1986
	Southern Wisconsin Center	Southern Wisconsin Center	September 12, 1990	SEWRPC Community Assistance Planning Report No. 180, <i>Sanitary Sewer Service Area for the Village of Union Grove and Environs, Racine County, Wisconsin</i> , August 1990

Table 19 (continued)

County	Name(s) of Initially Defined Sanitary Sewer Service Area(s)	Name(s) of Refined and Detailed Sanitary Sewer Service Area(s) ^a	Date of SEWRPC Adoption of Plan Amendment	Plan Amendment Document
Racine (continued)	Union Grove	Union Grove	September 12, 1990	SEWRPC Community Assistance Planning Report No. 180, <i>Sanitary Sewer Service Area for the Village of Union Grove and Environs, Racine County, Wisconsin</i> , August 1990
	Waterford/Rochester Tichigan Lake	Waterford/Rochester	April 24, 1996	SEWRPC Community Assistance Planning Report No. 141, 2nd Edition, <i>Sanitary Sewer Service Area for the Waterford/Rochester Area, Racine County, Wisconsin</i> , April 1996
	Wind Lake	Norway	June 16, 1999	SEWRPC Community Assistance Planning Report No. 247, <i>Sanitary Sewer Service Area for the Town of Norway Sanitary District No. 1 and Environs, Racine and Waukesha Counties, Wisconsin</i> , June 1999
	Yorkville	--	--	--
Walworth	--	Alpine Valley	December 4, 1989	Amendment to the Regional Water Quality Management Plan—2000, <i>Towns of East Troy, LaFayette, and Spring Prairie, and Village of East Troy</i> , December 1989
	Darien	Darien	September 23, 1992	SEWRPC Community Assistance Planning Report No. 123, 2nd Edition, <i>Sanitary Sewer Service Area for the Village of Darien, Walworth County, Wisconsin</i> , July 1992
	Delavan Delavan Lake Elkhorn Walworth County Institutions Williams Bay Lake Como --	Delavan-Delavan Lake Elkhorn Williams Bay-Geneva National-Lake Como Griedanus Landfill	December 4, 1991	SEWRPC Community Assistance Planning Report No. 56, 2nd Edition, <i>Sanitary Sewer Service Areas for the Walworth County Metropolitan Sewerage District</i> , November 1991
	East Troy Potter Lake	East Troy Potter Lake	June 16, 1993	SEWRPC Community Assistance Planning Report No. 112, 2nd Edition, <i>Sanitary Sewer Service Area for the Village of East Troy and Environs, Walworth County, Wisconsin</i> , June 1993
	Fontana Walworth	Fontana-Walworth	June 21, 1995	SEWRPC Community Assistance Planning Report No. 219, <i>Sanitary Sewer Service Area for the Villages of Fontana and Walworth and Environs, Walworth County, Wisconsin</i> , June 1995
	Genoa City	Genoa City	June 19, 1996	SEWRPC Community Assistance Planning Report No. 175, 2nd Edition, <i>Sanitary Sewer Service Area for the Village of Genoa City, Kenosha and Walworth Counties, Wisconsin</i> , May 1996
	Lake Geneva	Lake Geneva	January 18, 1993	SEWRPC Community Assistance Planning Report No. 203, <i>Sanitary Sewer Service Area for the City of Lake Geneva and Environs, Walworth County, Wisconsin</i> , December 1992

Table 19 (continued)

County	Name(s) of Initially Defined Sanitary Sewer Service Area(s)	Name(s) of Refined and Detailed Sanitary Sewer Service Area(s) ^a	Date of SEWRPC Adoption of Plan Amendment	Plan Amendment Document
Walworth (continued)	Lyons --	Lyons Country Estates Sanitary District	September 15, 1993	SEWRPC Community Assistance Planning Report No. 158, 2nd Edition, <i>Sanitary Sewer Service Area for the Town of Lyons Sanitary District No. 2, Walworth County, Wisconsin</i> , August 1993
	--	Pell Lake	June 19, 1996	SEWRPC Community Assistance Planning Report No. 225, <i>Sanitary Sewer Service Area for the Pell Lake Sanitary District No. 1, Walworth County, Wisconsin</i> , June 1996
	Sharon	--	--	--
	Whitewater	Whitewater	March 1, 1995	SEWRPC Community Assistance Planning Report No. 94, 2nd Edition, <i>Sanitary Sewer Service Area for the City of Whitewater, Walworth County, Wisconsin</i> , March 1995
Washington	Allenton	Allenton	March 11, 1985	SEWRPC Community Assistance Planning Report No. 103, <i>Sanitary Sewer Service Area for the Allenton Area, Washington County, Wisconsin</i> , September 1984
	Germantown	Germantown	September 8, 1983	SEWRPC Community Assistance Planning Report No. 70, <i>Sanitary Sewer Service Area for the Village of Germantown, Washington County, Wisconsin</i> , July 1983
	Hartford	Hartford	June 21, 1995	SEWRPC Community Assistance Planning Report No. 92, 2nd Edition, <i>Sanitary Sewer Service Area for the City of Hartford and Environs, Washington County, Wisconsin</i> , June 1995
	Jackson	Jackson	September 10, 1997	SEWRPC Community Assistance Planning Report No. 124, 2nd Edition, <i>Sanitary Sewer Service Area for the Village of Jackson and Environs, Washington County, Wisconsin</i> , September 1997
	Kewaskum	Kewaskum	March 7, 1988	SEWRPC Community Assistance Planning Report No. 161, <i>Sanitary Sewer Service Area for the Village of Kewaskum, Washington County, Wisconsin</i> , December 1988
	Newburg	Newburg	March 3, 1993	SEWRPC Community Assistance Planning Report No. 205, <i>Sanitary Sewer Service Area for the Village of Newburg, Ozaukee and Washington Counties, Wisconsin</i> , March 1993
	Slinger	Slinger	December 2, 1998	SEWRPC Community Assistance Planning Report No. 128, 3rd Edition, <i>Sanitary Sewer Service Area for the Village of Slinger and Environs, Washington County, Wisconsin</i> , December 1998
	West Bend	West Bend	June 17, 1998	SEWRPC Community Assistance Planning Report No. 35, 2nd Edition, <i>Sanitary Sewer Service Area for the City of West Bend and Environs, Washington County, Wisconsin</i> , June 1998

Table 19 (continued)

County	Name(s) of Initially Defined Sanitary Sewer Service Area(s)	Name(s) of Refined and Detailed Sanitary Sewer Service Area(s) ^a	Date of SEWRPC Adoption of Plan Amendment	Plan Amendment Document
Waukesha	Beaver Lake	--	--	--
	Brookfield East Elm Grove Brookfield West	Brookfield East Brookfield West	December 4, 1991	SEWRPC Community Assistance Planning Report No. 109, <i>Sanitary Sewer Service Area for the City and Town of Brookfield and the Village of Elm Grove, Waukesha County, Wisconsin</i> , November 1991
	Butler	Butler	March 1, 1984	SEWRPC Community Assistance Planning Report No. 99, <i>Sanitary Sewer Service Area for the Village of Butler, Waukesha County, Wisconsin</i> , February 1984
	Delafield-Nashotah Nashotah-Nemahbin Lakes	Delafield-Nashotah	January 18, 1993	SEWRPC Community Assistance Planning Report No. 127, <i>Sanitary Sewer Service Area for the City of Delafield and the Village of Nashotah and Environs, Waukesha County, Wisconsin</i> , November 1992
	Dousman	Dousman	December 5, 1990	SEWRPC Community Assistance Planning Report No. 192, <i>Sanitary Sewer Service Area for the Village of Dousman, Waukesha County, Wisconsin</i> , December 1990
	--	Eagle Spring Lake	December 2, 1985	<i>Amendment to the Regional Water Quality Management Plan—2000, Eagle Spring Lake Sanitary District</i> , December 1985
	Hartland	Hartland	June 17, 1985	SEWRPC Community Assistance Planning Report No. 93, <i>Sanitary Sewer Service Area for the Village of Hartland, Waukesha County, Wisconsin</i> , April 1985
	Menomonee Falls --	Menomonee Falls Lannon	June 16, 1993	SEWRPC Community Assistance Planning Report No. 208, <i>Sanitary Sewer Service Areas for the Villages of Lannon and Menomonee Falls, Waukesha County, Wisconsin</i> , June 1993
	Mukwonago	Mukwonago	December 5, 1990	SEWRPC Community Assistance Planning Report No. 191, <i>Sanitary Sewer Service Area for the Village of Mukwonago, Waukesha County, Wisconsin</i> , November 1990
	--	Mukwonago County Park	June 21, 1984	<i>Amendment to the Regional Water Quality Management Plan—2000, Village of Mukwonago, Towns of East Troy and Mukwonago, June 1984</i>
	Muskego	Muskego	December 3, 1997	SEWRPC Community Assistance Planning Report No. 64, 3rd Edition, <i>Sanitary Sewer Service Area for the City of Muskego, Waukesha County, Wisconsin</i> , December 1997
	New Berlin	New Berlin	December 7, 1987	SEWRPC Community Assistance Planning Report No. 157, <i>Sanitary Sewer Service Area for the City of New Berlin, Waukesha County, Wisconsin</i> , November 1987
	North Lake	--	--	--
	North Prairie	--	--	--

Table 19 (continued)

County	Name(s) of Initially Defined Sanitary Sewer Service Area(s)	Name(s) of Refined and Detailed Sanitary Sewer Service Area(s) ^a	Date of SEWRPC Adoption of Plan Amendment	Plan Amendment Document
Waukesha (continued)	Oconomowoc-Lac La Belle Silver Lake	Oconomowoc	September 15, 1999	SEWRPC Community Assistance Planning Report No. 172, 2nd Edition, <i>Sanitary Sewer Service Area for the City of Oconomowoc and Environs, Waukesha County, Wisconsin</i> , September 1999
	Oconomowoc Lake	--	--	--
	Okaukee Lake	--	--	--
	Pewaukee	Pewaukee	June 17, 1985	SEWRPC Community Assistance Planning Report No. 113, <i>Sanitary Sewer Service Area for the Town of Pewaukee Sanitary District No. 3, Lake Pewaukee Sanitary District, and Village of Pewaukee, Waukesha County, Wisconsin</i> , June 1985
	Pine Lake	--	--	--
	--	Rainbow Springs	June 21, 1984	<i>Amendment to the Regional Water Quality Management Plan—2000, Village of Mukwonago, Towns of East Troy and Mukwonago, June 1984</i>
	Sussex-Lannon	Sussex	September 7, 1994	SEWRPC Community Assistance Planning Report No. 84, 2nd Edition, <i>Sanitary Sewer Service Area for the Village of Sussex, Waukesha County, Wisconsin</i> , September 1994
	Wales	--	--	--
	Waukesha	Waukesha	March 3, 1999	SEWRPC Community Assistance Planning Report No. 100, 2nd Edition, <i>Sanitary Sewer Service Area for the City of Waukesha and Environs, Waukesha County, Wisconsin</i> , March 1999

^aThis category also includes unrefined sanitary sewer service areas that either were not envisioned in the original 1979 regional water quality management plan or were part of larger sanitary sewer service areas, but have since been delineated by amendments to the regional water quality management plan.

adopted those documents as amendments to the regional water quality management plan.

Pending the completion of such plan refinement studies in cooperation with the local units of government concerned, the Commission must use the more general sewer service area recommendations set forth in the adopted regional water quality management plan as a basis for reviewing and commenting on individual proposed sanitary sewer extensions.

During 1999, review comments were provided on 203 proposed public sanitary sewer extensions and 159 proposed private main sewer or building sewer extensions, distributed by county as shown in Table 20.

Groundwater Management Planning

For the past several years, the Southeastern Wisconsin Regional Planning Commission has been working cooperatively with the WGNHS on a regional groundwater resource inventory and analysis program. The primary purpose of this effort has been the development of hydrogeologic data that can be used to support the preparation of a groundwater management element of the regional water quality management plan. The groundwater-related inventories developed under this effort are being documented in a report that was near completion at year's end. The primary focus of the project is the shallow aquifer system and the vulnerability of that system to contamination.

Map 13

RECOMMENDED SANITARY SEWER SERVICE AREAS IN THE REGION: 1999

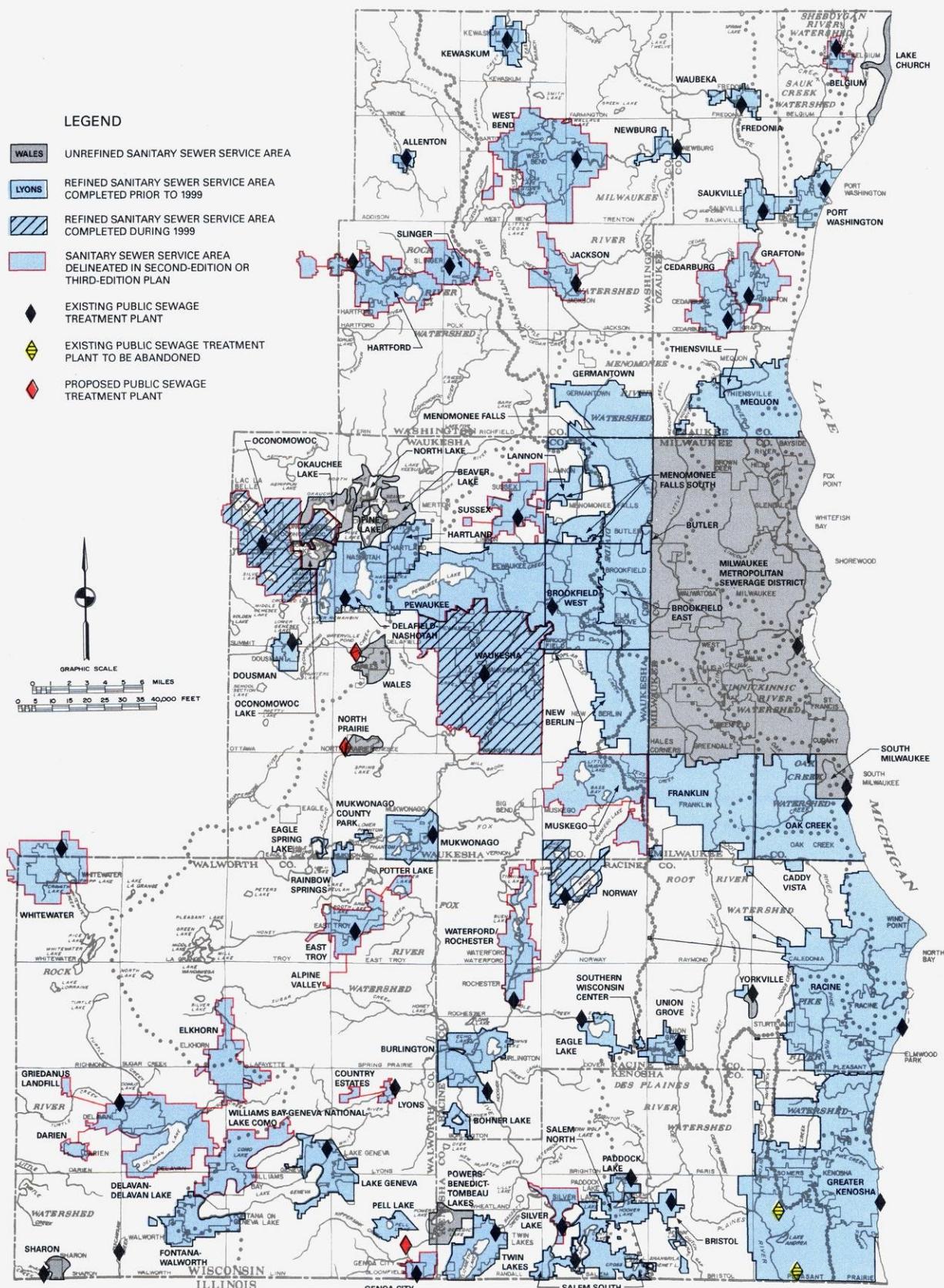


Table 20
SANITARY SEWER EXTENSION REVIEWS: 1999

County	Public Sanitary Sewer Extensions	Private Main Sewer or Building Sewer Extensions	Total
Kenosha	20	18	38
Milwaukee	39	29 ^a	68
Ozaukee	9	17	26
Racine	28	14	42
Walworth.....	21	22	43
Washington.....	27	10	37
Waukesha.....	59	49	108
Total	203	159	362

^aThe Commission has delegated the responsibility for the review of building sewer extensions within the City of Milwaukee to the City. During 1999, 373 reviews of building sewer extensions were conducted by the City.

As the groundwater inventory and analysis project proceeded, the need to address the deeper aquifer system together with the shallow aquifer in an integrated data development and modeling program was raised. A regional groundwater aquifer simulation model was proposed to be developed to meet this need. The proposed modeling program is described in an October 1998 document titled *Regional Aquifer Performance Simulation Modeling Program Prospectus*, prepared jointly by the Commission, the WGNHS, and the USGS. This prospectus was prepared under the guidance of the Commission's Technical Advisory Committee on Regional Aquifer Performance Simulation Modeling, whose membership includes both groundwater users and technical experts.

Following informational meetings, support for the prospectus and for funding the program as proposed in the prospectus was received from water utilities in the Region that use groundwater as a source of supply and from the WGNHS, the USGS, and the Wisconsin Department of Natural Resources. Work on the regional aquifer performance simulation modeling program began in June 1999. The work is being carried out cooperatively by the WGNHS, the USGS, and the Commission. During the summer and autumn of 1999, the project focused on the collection and compilation of existing hydrogeologic data and on the development of new data. Progress has occurred in all major project areas, including hydrostratigraphy, database construction, well testing using downhole geophysics, aquifer parameters, and development of a

regional screening model. The regional groundwater aquifer simulation model is expected to be completed, along with documentation and initial model analyses, in early 2002.

WATERSHED, FLOODLAND, AND STORMWATER MANAGEMENT PLANNING

During 1999, Commission efforts in watershed, floodland, and stormwater management planning consisted of initiating a study to update regional rainfall frequency data for the Region; making a series of presentations related to the Flood Control and Stormwater Management Initiative of the Southeastern Municipal Executives (SEME); analyzing floodplain alternatives along streams in the Oak Creek watershed; initiating updated hydrologic analyses for the determination of flood flows along streams in the Pike River watershed; preparing digital floodplain-floodway maps for a portion of the Lower Menomonee River; continuing work on a Des Plaines River watershed study; completing work on a stormwater and floodland management plan for the Dousman Ditch and Underwood Creek subwatersheds; coordinating with, and advising, the MMSD staff and its team of consultants regarding the preparation of an updated watercourse system plan for the MMSD; providing technical assistance to local governmental units in the development and implementation of floodland and stormwater management plans, policies, and practices; providing hydrologic and hydraulic data, including flood-flow and flood-stage data, to consulting engineers and governmental agencies; and conducting a cooperative stream-gaging program.

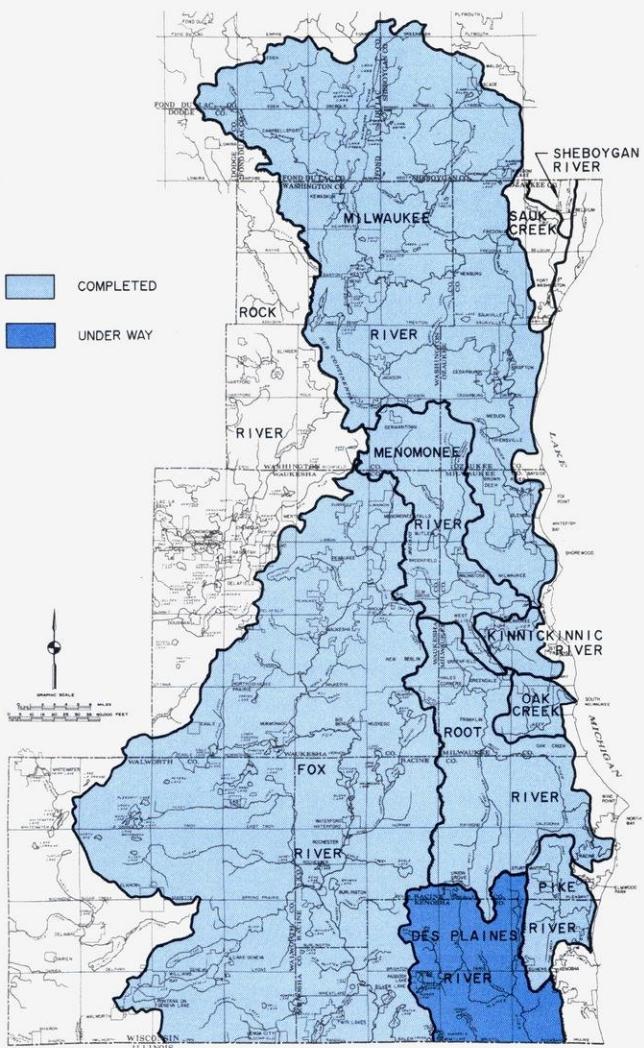
Watershed Planning

As part of the SEME Flood Control and Stormwater Management Initiative, the Commission staff coordinated presentations on the legal framework for and the status of stormwater management and flood control planning to elected and appointed officials and other interested citizens from the Kinnickinnic, Menomonee, Milwaukee, and Root River watersheds and the Oak Creek watershed.

The Commission staff coordinated with and advised the MMSD staff and its consultants, who were developing watercourse system plans for streams in the Kinnickinnic, Menomonee, and Root River watersheds and the Oak Creek watershed. The base hydraulic and hydrologic models that were updated under the MMSD efforts were initially developed under Commission

Map 14

**SEWRPC WATERSHED STUDIES
UNDER WAY OR COMPLETED: 1999**



watershed studies and refined under subsequent Commission planning efforts.

The Commission staff prepared digital floodplain-floodway maps for the reach of the Lower Menomonee River in the City of Milwaukee from IH 94 immediately east of USH 41 downstream to the River's mouth.

Work continued on the Des Plaines River watershed study. Extensive field data were collected to characterize stream-bank erosion conditions throughout the watershed, and analysis of those data was begun. The Commission staff prepared an application to the Federal Emergency Management Agency for approval of the

hydrologic and hydraulic analyses and floodplain-floodway maps that were prepared by the Commission staff under the watershed study and adopted for zoning purposes by the Village of Pleasant Prairie. Commission staff also served on the Northeastern Illinois Planning Commission's Upper Des Plaines River Watershed Phase 2 Advisory Committee. That committee, which includes stakeholders in both the Wisconsin and Illinois portions of the watershed, is exploring multiobjective approaches to flood damages and to protecting or enhancing water quality.

Using recently revised hydrologic and hydraulic models for the Oak Creek watershed, the Southeastern Wisconsin Regional Planning Commission staff carried out hydrologic and hydraulic analyses of possible floodplain-fringe development scenarios along streams within the watershed. The analyses considered the impact that floodplain filling would have on flood flows and stages within the watershed.

The Commission staff initiated an update of the hydrologic model used for determination of flood discharges for streams in the Pike River watershed. This work effort will incorporate physical changes that have occurred within the watershed since the model was initially developed, as well as an updated land use plan. This project is being conducted in support of efforts by the Town of Mt. Pleasant Stormwater Drainage Utility District to implement recommended flood control and wetland restoration plans for the Upper Pike River.

Map 14 indicates the coverage of the watershed studies conducted by the Commission through 1999.

Stormwater and Floodland Management Planning

During 1999, the Commission staff provided technical assistance to State and local governmental agencies in resolving stormwater and floodland management problems. While the Commission continues to be extensively involved in floodland management planning, its work efforts in recent years have been increasingly directed toward stormwater management planning.

In 1999, the Commission undertook a number of stormwater and floodland management planning activities at the request of local units of government. The following are examples of such work:

- In conjunction with staff from Camp Dresser & McKee Inc. and the University of Wisconsin-

Madison, the Commission staff substantially completed a study of rainfall frequency relationships and the time distribution of heavy rainfalls within the Region. The study utilized state-of-the-art statistical analysis procedures to provide the third update of the rainfall frequency data originally prepared by the Commission staff in 1965. For the first time, the study also included a recommended rainfall time distribution to be used to develop design storms for hydrologic analyses.

- Performance of a hydraulic analyses for the purpose of revising the regulatory flood profile for the Milwaukee River in the vicinity of a former City landfill located on property currently owned by Milwaukee Area Technical College. The existence of this landfill was not accounted for during preparation of the City of Milwaukee Federal flood insurance study and the landfill area thus had been incorrectly identified as being in the floodplain.
- At the request of Kenosha County, the Commission staff reviewed nine stormwater management plans for new development proposals within the County. The reviews included consideration of stormwater drainage, non-point source pollution control, and construction erosion control. Where appropriate, the reviews were conducted within the broader context of the adopted watershed studies and the regional water quality management plan.
- At the request of Ozaukee County, the Commission staff initiated a project to prepare digital floodplain maps for all unincorporated areas of the County.
- At the request of Racine County, the Commission staff reviewed the floodplain aspects of proposed activities along Eagle Lake in the Town of Dover; Hoods Creek in the Town of Mt. Pleasant; an unnamed tributary to the West Branch Root River Canal in the Town of Raymond; the Muskego Lake Drainage Canal, the Waubeesee Lake Drainage Canal, and the Wind Lake Drainage Canal in the Town of Norway; and the Fox River in the Town of Waterford.
- The Commission staff continued preparation of digital shoreland and floodplain maps for Washington County, as requested by the County.
- At the request of Waukesha County, the Commission staff performed hydraulic analyses to enable delineation of the 100-year recurrence interval floodplain and floodway of the Bark River in the Town of Summit west of the Village of Dousman.
- The Commission staff, in conjunction with Ruekert & Mielke, Inc., completed a stormwater and floodland management plan for the Dousman Ditch and Underwood Creek subwatersheds in the City of Brookfield and the Village of Elm Grove. Plan status reports and updates were presented at three meetings of the joint City-Village Underwood Creek Flooding Task Force; two meetings of the Elm Grove subcommittee of the Task Force;

a public informational meeting sponsored by the Elm Grove subcommittee; and a public meeting of the City of Wauwatosa Joint Committee on the Preparation of the Comprehensive City Plan.

- The Commission staff routinely provides hydrologic and hydraulic data to Federal, State, and local agencies and units of government and to private consultants for use in the design of bridges and culverts and other facilities and improvements along streams in the Region, in the facilities design phases of projects recommended under Commission plans, and in other water resource and environmental projects. During 1999, data were provided for the following: 1) the Kilbourn Road Ditch in the City of Kenosha and the Village of Pleasant Prairie; 2) the Pike River in the City of Kenosha; 3) Hooker Lake in the Village of Paddock Lake and the Town of Salem; 4) Unnamed Tributary No. 3 to Jerome Creek in the Village of Pleasant Prairie; 5) Brighton Creek in the Towns of Bristol and Paris; 6) Pike Creek in the Town of Somers; 7) Fish Creek and the Little Menomonee River in the City of Mequon; 8) the Milwaukee River in the City of Glendale and the Village of River Hills; 9) the Villa Mann Creek Tributary in the City of Milwaukee; 10) the Kinnickinnic and Menomonee Rivers, Wilson Park Creek, Villa Mann Creek Tributary, and the Mitchell Field Drainage Ditch in the City of Milwaukee; 11) Oak Creek and the North Branch of Oak Creek in the City of Oak Creek; 12) the Menomonee River and Underwood Creek in the City of Wauwatosa; 13) Beaver Creek in the Village of Brown Deer; 14) the Root River in the City of Racine; 15) the Milwaukee River in the Town of Trenton; 16) the Fox (Illinois) and Rock River watersheds in Walworth County; 17) the Fox (Illinois) River in the Towns of Vernon and Waterford; 18) Lac La Belle in the Village of Lac La Belle; 19) the Menomonee River and the Nor-X-Way Channel in the Villages of Germantown and Menomonee Falls; 20) the Phillips Tributary to Lilly Creek in the Village of Menomonee Falls; 21) the Pewaukee River in the City of Pewaukee, the Villages of Pewaukee and Sussex, and the Town of Lisbon; and 22) Scuppernong Creek in the Towns of Delafield, Genesee, Ottawa, and Summit.

Floodplain Data Availability

The availability of flood hazard data within the Region is shown on Map 15. The Commission has completed comprehensive watershed plans for the Fox (Illinois), Kinnickinnic, Menomonee, Milwaukee, Pike, and Root River watersheds, and for the Oak Creek watershed, and has substantially completed the study for the Des Plaines River watershed, resulting in definitive flood hazard data—in the form of peak flood flows and stages associated with the 100-year recurrence interval floods—for about 724 miles of stream channel, not including stream channels in the Milwaukee River watershed lying outside the Region in Sheboygan and Fond du Lac Counties. In addition, special Commission floodland management studies have resulted in the development of definitive flood hazard data for a total of about 78 additional miles of stream channel. Large-scale topographic maps displaying the location and extent of the 100-year recurrence interval flood hazard areas and prepared to Commission specifications are available for the riverine areas along about 627 miles of stream channel.

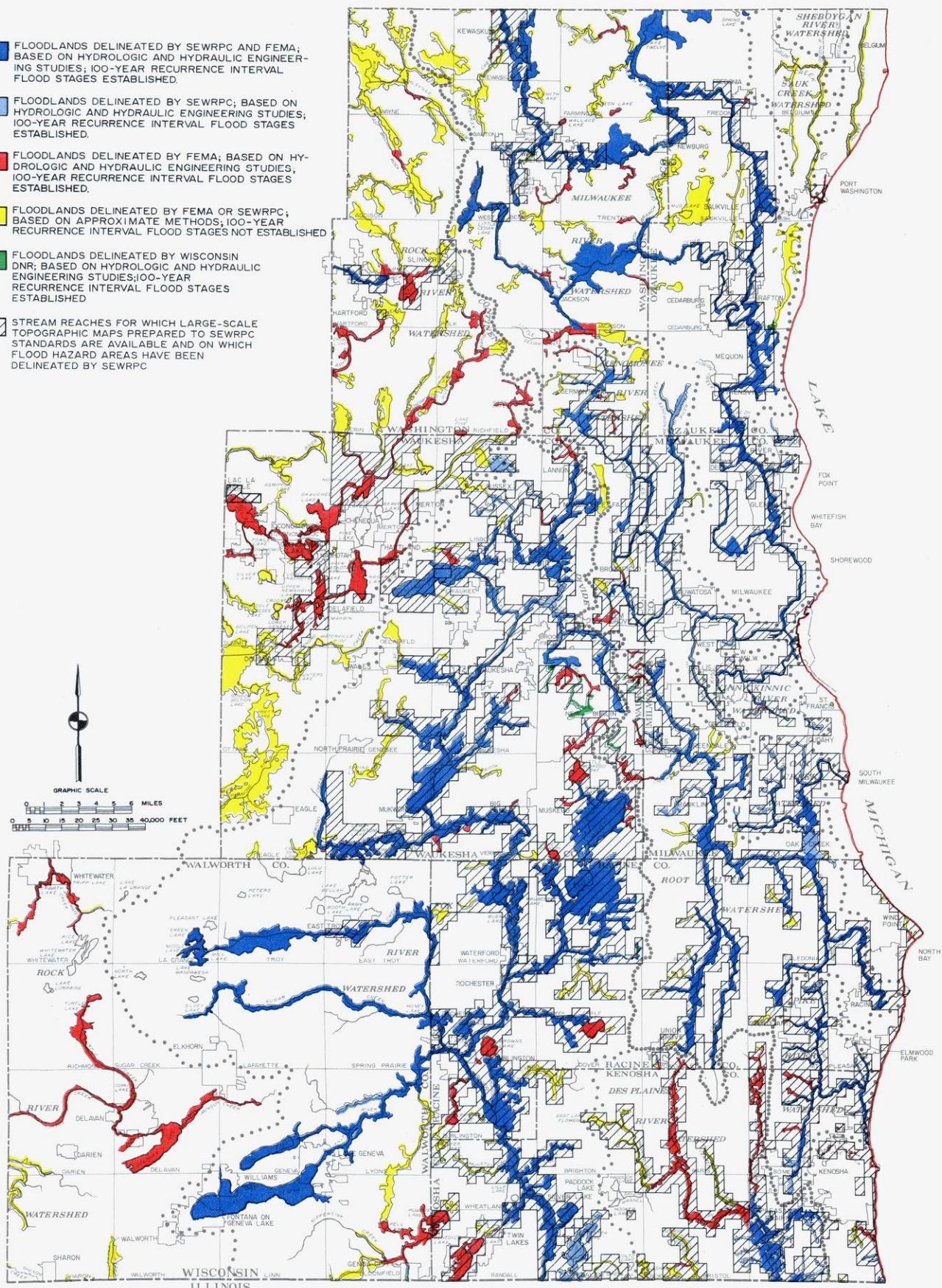
Flood Insurance Rate Studies

Under the National Flood Insurance Act of 1968, the Federal Emergency Management Agency was given authority to conduct studies to determine the location and extent of floodlands and the monetary damage risks related to the insurance of urban development in floodland areas. The Agency is proceeding with the conduct and periodic updating of such studies on a community-by-community basis throughout the United States. While the Commission has not directly contracted with the Agency for the conduct of such studies, the Commission does cooperate with the engineering firms involved in the conduct of such studies under contract to the Federal government, particularly in the provision of basic flood hazard data already developed by the Commission in a more comprehensive and cost-effective manner through its series of watershed planning programs and stormwater management planning studies. The Commission provides to the contractors all of the detailed hydrologic and hydraulic data developed under the Commission watershed studies for the various streams in the Region and shares with the contractors the results of the analytical phases of such studies. Development by the Commission of such data makes it possible for the Federal Emergency Management Agency to carry out the flood insurance rate studies more efficiently and at considerably less cost than if such data had to be

Map 15

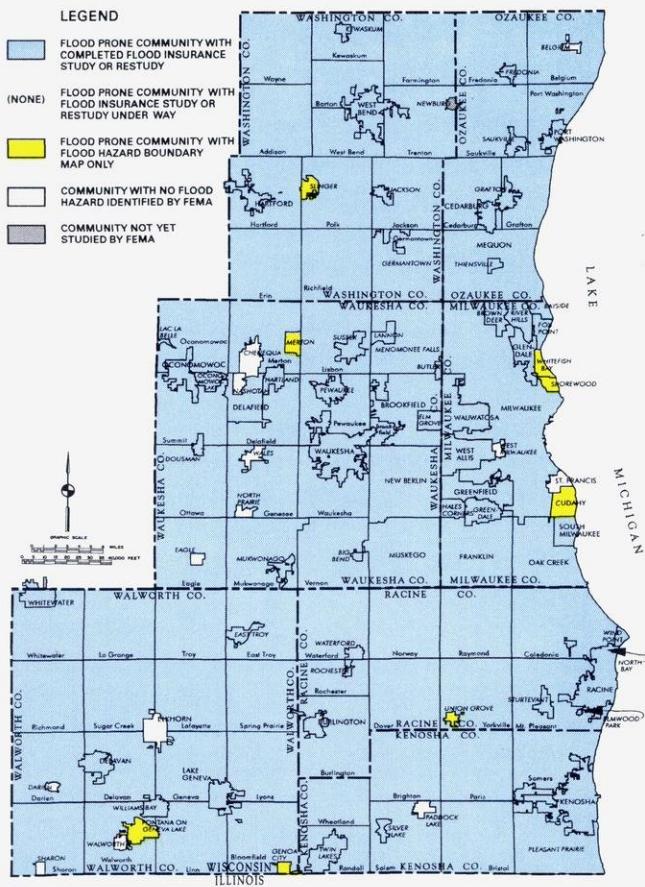
DELINEATION OF FLOODLANDS: 1999

-  FLOODLANDS DELINEATED BY SEWRPC AND FEMA; BASED ON HYDROLOGIC AND HYDRAULIC ENGINEERING STUDIES; 100-YEAR RECURRENCE INTERVAL FLOOD STAGES ESTABLISHED.
-  FLOODLANDS DELINEATED BY SEWRPC; BASED ON HYDROLOGIC AND HYDRAULIC ENGINEERING STUDIES; 100-YEAR RECURRENCE INTERVAL FLOOD STAGES ESTABLISHED.
-  FLOODLANDS DELINEATED BY FEMA; BASED ON HYDROLOGIC AND HYDRAULIC ENGINEERING STUDIES; 100-YEAR RECURRENCE INTERVAL FLOOD STAGES ESTABLISHED.
-  FLOODLANDS DELINEATED BY FEMA OR SEWRPC; BASED ON APPROXIMATE METHODS; 100-YEAR RECURRENCE INTERVAL FLOOD STAGES NOT ESTABLISHED.
-  FLOODLANDS DELINEATED BY WISCONSIN DNR; BASED ON HYDROLOGIC AND HYDRAULIC ENGINEERING STUDIES; 100-YEAR RECURRENCE INTERVAL FLOOD STAGES ESTABLISHED
-  STREAM REACHES FOR WHICH LARGE-SCALE TOPOGRAPHIC MAPS PREPARED TO SEWRPC STANDARDS ARE AVAILABLE AND ON WHICH FLOOD HAZARD AREAS HAVE BEEN DELINEATED BY SEWRPC



Map 16

STATUS OF FLOOD INSURANCE STUDIES: 1999



developed on a community-by-community basis. Commission participation in and review of the study findings, moreover, assures consistency between studies for communities located along a given river or stream.

Federal flood insurance studies are carried out individually for incorporated cities and villages and for the unincorporated areas of counties. The status of flood insurance rate studies in the Region at the end of 1999 is shown on Map 16.

As shown on Map 16, as of 1999, there were 24 cities or villages in the Region for which the Federal Emergency Management Agency had not conducted a flood insurance rate study. In eight cases, the Agency has instead published a "flood hazard boundary map," which shows the approximate location of floodlands without the support of detailed engineering studies. The remaining 16 cities or villages in the Region are not

considered by the Agency to contain flood hazard areas. In one of those 16, the Village of Newburg in Washington and Ozaukee Counties, a flood hazard area was identified and delineated by the Commission in the Milwaukee River watershed study. Although the Agency has not yet undertaken a flood insurance study for the Village of Newburg, the Village has enacted appropriate floodland zoning regulations.

Besides providing available data from the Commission files to the contractors conducting such studies for the Federal Emergency Management Agency, the Commission staff helps to delineate floodways and attends meetings with local officials and other citizens to discuss the results of flood insurance rate studies. Under its community assistance program, the Commission also assists local communities in enacting sound floodland regulations as required for participation in the National Flood Insurance Program.

Stream-Gaging Program

Streamflow data are essential to the sound management of the water resources of the Region. When the Commission began its regional planning program in 1960, only two continuous-recording streamflow gages were in operation within the Region. Since that time, the Commission has been instrumental in establishing, through cooperative, voluntary, intergovernmental action, a more adequate streamflow-gaging program (see Map 17). The USGS assists in the funding of the stream gages, operates the gages, and annually publishes the data collected under the streamflow-monitoring program. In 1999, there were 29 continuous-recording streamflow gages in operation on stream reaches entering, lying within, or originating within the Region, one more than in 1998. Of the 29 gages, 14 were financially supported by the Waukesha County Board of Supervisors, the MMSD, the City of Racine and the Racine Water and Wastewater Utilities, and the Kenosha Water Utility under the Commission's cooperative program. In addition, one gage was supported by the Fontana-Walworth Water Pollution Control Commission, one gage was supported by the City of Brookfield, one gage was supported by the Wisconsin Department of Natural Resources, one gage was supported by the U.S. Army Corps of Engineers and the Walworth County Metropolitan Sewerage District, one gage was supported by the Walworth County Metropolitan Sewerage District, two gages were supported by the City of Muskego, three gages were supported by the Town of Delavan, three gages were supported by the Geneva Lake Environmental Agency and the

Map 17

LOCATION OF U.S. GEOLOGICAL SURVEY STREAM-GAGING STATIONS: 1999

LEGEND

1 CONTINUOUS STAGE RECORDER GAGE- OPERATED BY THE U.S. GEOLOGICAL SURVEY; COOPERATIVELY MAINTAINED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (2)

2 CONTINUOUS STAGE RECORDER GAGE- COOPERATIVELY MAINTAINED BY THE U.S. GEOLOGICAL SURVEY; WAUKESHA COUNTY BOARD, MILWAUKEE METROPOLITAN SEWERAGE DISTRICT; KENOSHA WATER UTILITY; CITY OF RACINE AND RACINE WATER AND WASTEWATER UTILITIES; AND SEWRPC (14)

3 CONTINUOUS STAGE RECORDER GAGE- OPERATED BY THE U.S. GEOLOGICAL SURVEY FOR THE U.S. ARMY CORPS OF ENGINEERS AND THE WALWORTH COUNTY METROPOLITAN SEWERAGE DISTRICT (1)

4 CONTINUOUS STAGE RECORDER GAGE- OPERATED BY THE U.S. GEOLOGICAL SURVEY FOR THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (1)

5 CONTINUOUS STAGE RECORDER GAGE- OPERATED BY THE U.S. GEOLOGICAL SURVEY FOR THE FONTANA-WALWORTH WATER POLLUTION CONTROL COMMISSION (1)

6 CONTINUOUS STAGE RECORDER GAGE- OPERATED BY THE U.S. GEOLOGICAL SURVEY FOR THE CITY OF BROOKFIELD (1)

7 CONTINUOUS STAGE RECORDER GAGE- OPERATED BY THE U.S. GEOLOGICAL SURVEY FOR THE WALWORTH COUNTY METROPOLITAN SEWERAGE DISTRICT (1)

8 CONTINUOUS STAGE RECORDER GAGE- OPERATED BY THE U.S. GEOLOGICAL SURVEY FOR THE CITY OF MUSKEGO (2)

9 CONTINUOUS STAGE RECORDER GAGE- OPERATED BY THE U.S. GEOLOGICAL SURVEY FOR THE TOWN OF DELAVAN (3)

10 CONTINUOUS STAGE RECORDER GAGE- OPERATED BY THE U.S. GEOLOGICAL SURVEY FOR THE GENEVA LAKE ENVIRONMENTAL AGENCY AND THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (3)

11 CONTINUOUS STAGE RECORDER GAGE- NO LONGER IN OPERATION (24)

12 CREST STAGE GAGE- COOPERATIVELY MAINTAINED BY THE U.S. GEOLOGICAL SURVEY AND WISCONSIN DEPARTMENT OF TRANSPORTATION (7)

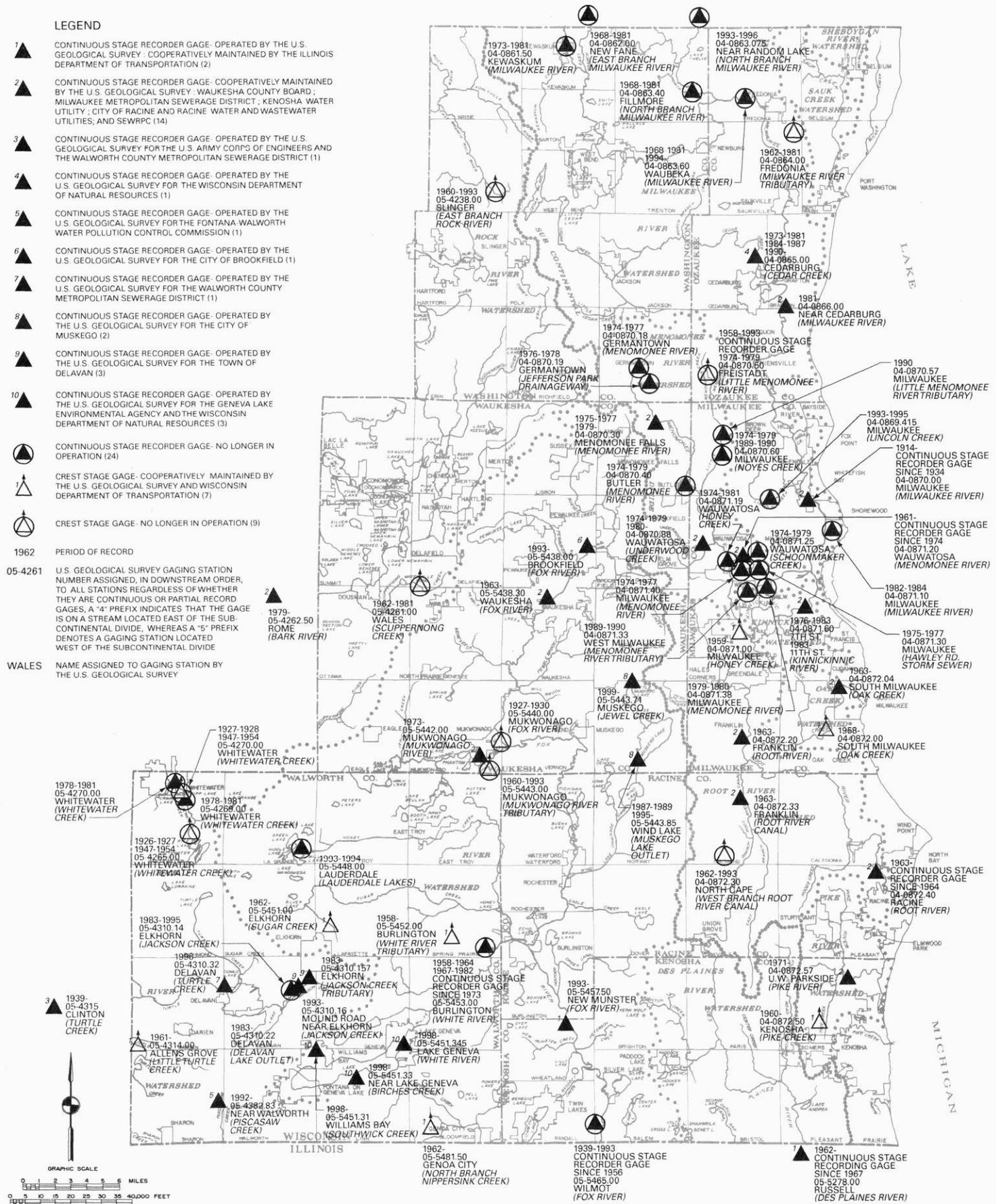
13 CREST STAGE GAGE- NO LONGER IN OPERATION (9)

1962 PERIOD OF RECORD

05 4261 U.S. GEOLOGICAL SURVEY GAGING STATION NUMBER ASSIGNED, IN DOWNSTREAM ORDER, TO ALL STATIONS REGARDLESS OF WHETHER THEY ARE CONTINUOUS OR PARTIAL RECORD GAGES, A "4" PREFIX INDICATES THAT THE GAGE IS ON A STREAM LOCATED EAST OF THE SUB-CONTINENTAL DIVIDE, WHEREAS A "5" PREFIX DENOTES A GAGING STATION LOCATED WEST OF THE SUBCONTINENTAL DIVIDE

WALES NAME ASSIGNED TO GAGING STATION BY THE U.S. GEOLOGICAL SURVEY

2▲ 1979-05 4262.50 ROME (BARK RIVER)



Wisconsin Department of Natural Resources, and two gages were supported by the Illinois Department of Transportation

COASTAL MANAGEMENT PLANNING

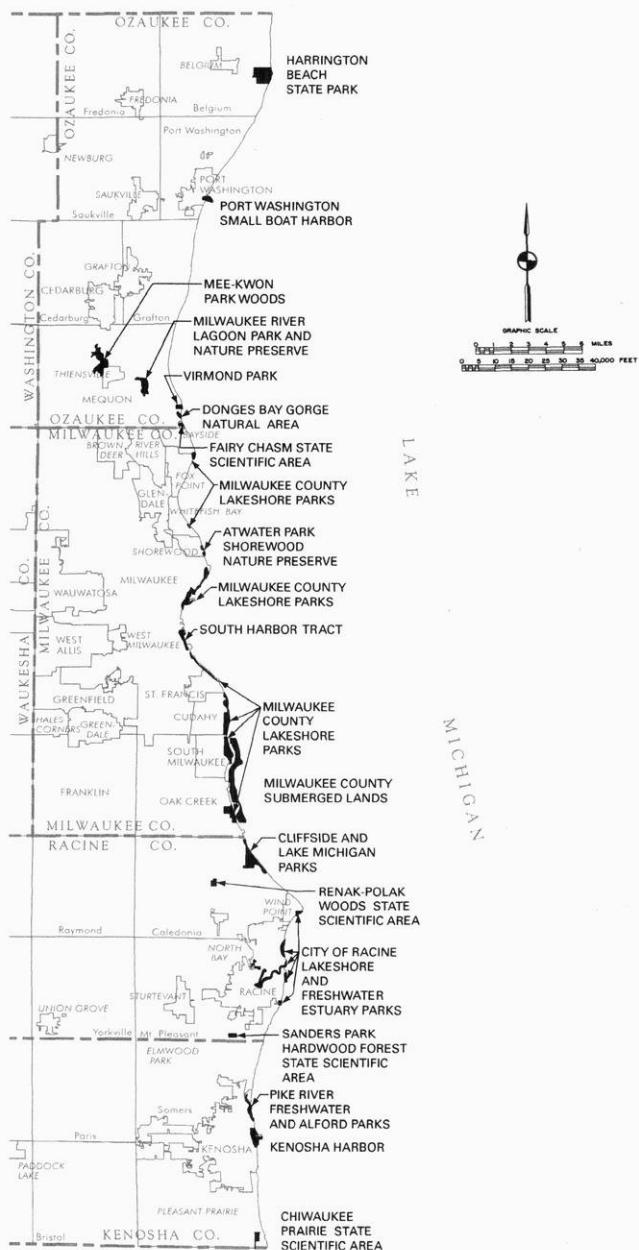
During 1999, the Regional Planning Commission continued to provide assistance to the Wisconsin Department of Administration in the conduct of the Wisconsin Coastal Management Program. This program is intended to coordinate governmental activities in the management of the Lake Michigan and Lake Superior coastal zones of the State. The program is being carried out by the State pursuant to the Federal Coastal Zone Management Act of 1972 through the Wisconsin Coastal Management Council.

Under an agreement with the Wisconsin Department of Administration, the Commission has formed a Technical and Citizen Advisory Committee on Coastal Management in Southeastern Wisconsin. This Committee represents a variety of interests, including local elected and appointed officials, the university community, and recreational, navigational, and environmental interest groups. The primary function of this Committee is the review of State coastal studies and reports as they are proposed and produced.

One of the continuing functions of the Commission under the coastal management program is the designation of special coastal areas. In 1999, no additional areas in the Region were formally designated as special coastal areas. The existing Lake Michigan shoreline special coastal areas are shown on Map 18. These special areas have natural, scientific, economic, cultural, or historical importance. Designation by the Wisconsin Coastal Management Council as a special coastal area ensures eligibility for financial or technical assistance for special coastal area management activities through the Wisconsin Coastal Management Program and focuses attention on a valuable coastal resource.

Map 18

DESIGNATED COASTAL AREAS IN SOUTHEASTERN WISCONSIN: 1999



ECONOMIC DEVELOPMENT ASSISTANCE DIVISION

DIVISION FUNCTIONS

The Economic Development Assistance Division assists local units of government in the Region in pursuing economic development activities and promotes the coordination of local economic development plans and programs. The Division provides four basic types of services: local economic development program planning; economic development data and information provision; economic development project planning services; and Federal and State grant-in-aid procurement and public administration assistance.

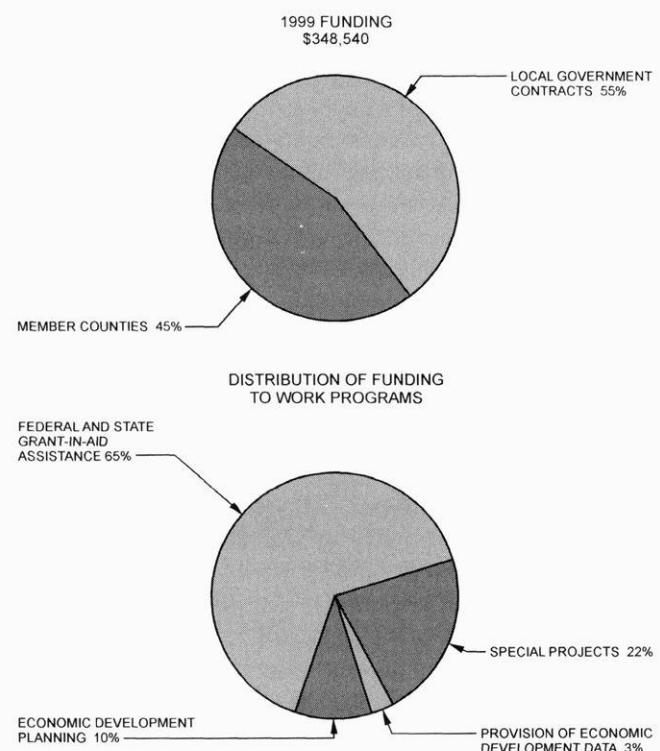
LOCAL ECONOMIC DEVELOPMENT PROGRAM PLANNING

The Commission provides economic development program planning services that assist communities with a range of local economic development measures. These include identifying the types of economic development compatible with overall community development goals and objectives and promoting economic development activities that have such compatibility. This function is intended to address a variety of local and regional economic development problems, including the following: 1) structural changes in the economy, as evidenced by a declining proportion of manufacturing employment and an increasing proportion of retail trade and service employment, 2) the lack of adequate community facilities and services to support local economic development, 3) the need to provide workers for the full range of employment opportunities, and 4) the decisions by local businesses and industries to relocate to, or expand in, areas outside the Region. During 1999, the Commission engaged in the following local economic development program planning efforts:

- Provision of the demographic and socioeconomic data necessary to enable preparation of county overall economic development program plan annual reports for Kenosha and Racine Counties. These reports serve to maintain county eligibility for Federal public works grants and revolving loan fund programs to further economic development.

- Participation in the activities of the Regional Economic Partnership, an economic development initiative of the seven counties in the Southeastern Wisconsin Region, the City of Milwaukee, the Wisconsin Electric Power Company, the Metropolitan Milwaukee Association of Commerce, and the Commission. Activities undertaken by the Partnership in 1999 included the following: 1) updating of a site on the World Wide Web that identifies the competitive advantages of the Southeastern Wisconsin Region as a business location and provides links to the home pages of Partnership members, key businesses in Southeastern Wisconsin, and public-sector economic development resources outside the Region; 2) implementation of a marketing program to attract businesses to the Region from locations

Figure 31
ECONOMIC DEVELOPMENT ASSISTANCE DIVISION



outside Wisconsin; 3) provision of assistance with the implementation of work-force development initiatives; and 4) the conduct of periodic educational forums for providing economic development professionals in the Region with information on important economic development issues. A Commission staff member serves as the chairman for the Partnership.

ECONOMIC DEVELOPMENT DATA AND INFORMATION PROVISION

Considerable Commission staff effort is directed at responding to requests for economic development-related data. This function also includes the provision of short-term technical assistance to local units of government, public agencies, and local development corporations in the analysis of economic development data. During 1999, the Division prepared written responses from the Commission files to requests for economic development-related data. In addition, the Division responded to requests made by telephone and through personal visits to the Commission offices. These requests came from local units of government, Federal and State agencies, local development organizations, businesses, and individual citizens. The following are some examples of Division activity in performing this function during 1999:

- Provision of Wisconsin Department of Workforce Development data identifying the number of industries and employees by industry type within communities in Southeastern Wisconsin. In addition, Wisconsin Department of Administration, U.S. Bureau of the Census, U.S. Bureau of Economic Analysis, U.S. Bureau of Labor Statistics, and Southeastern Wisconsin Regional Planning Commission demographic and socio-economic data were provided upon request. These types of data were provided to various units and agencies of government, nonprofit organizations, and businesses in Southeastern Wisconsin.
- Provision of assistance to local community staff and representatives of businesses interested in locating or expanding in communities in Southeastern Wisconsin, utilizing information on State and Federal business loan and infrastructure development programs.

ECONOMIC DEVELOPMENT PROJECT PLANNING SERVICES

Economic development project planning involves conducting detailed economic development planning studies for local units of government, development corporations, and other organizations concerned with economic development and seeking Commission assistance. During 1999, the following representative project planning services were provided:

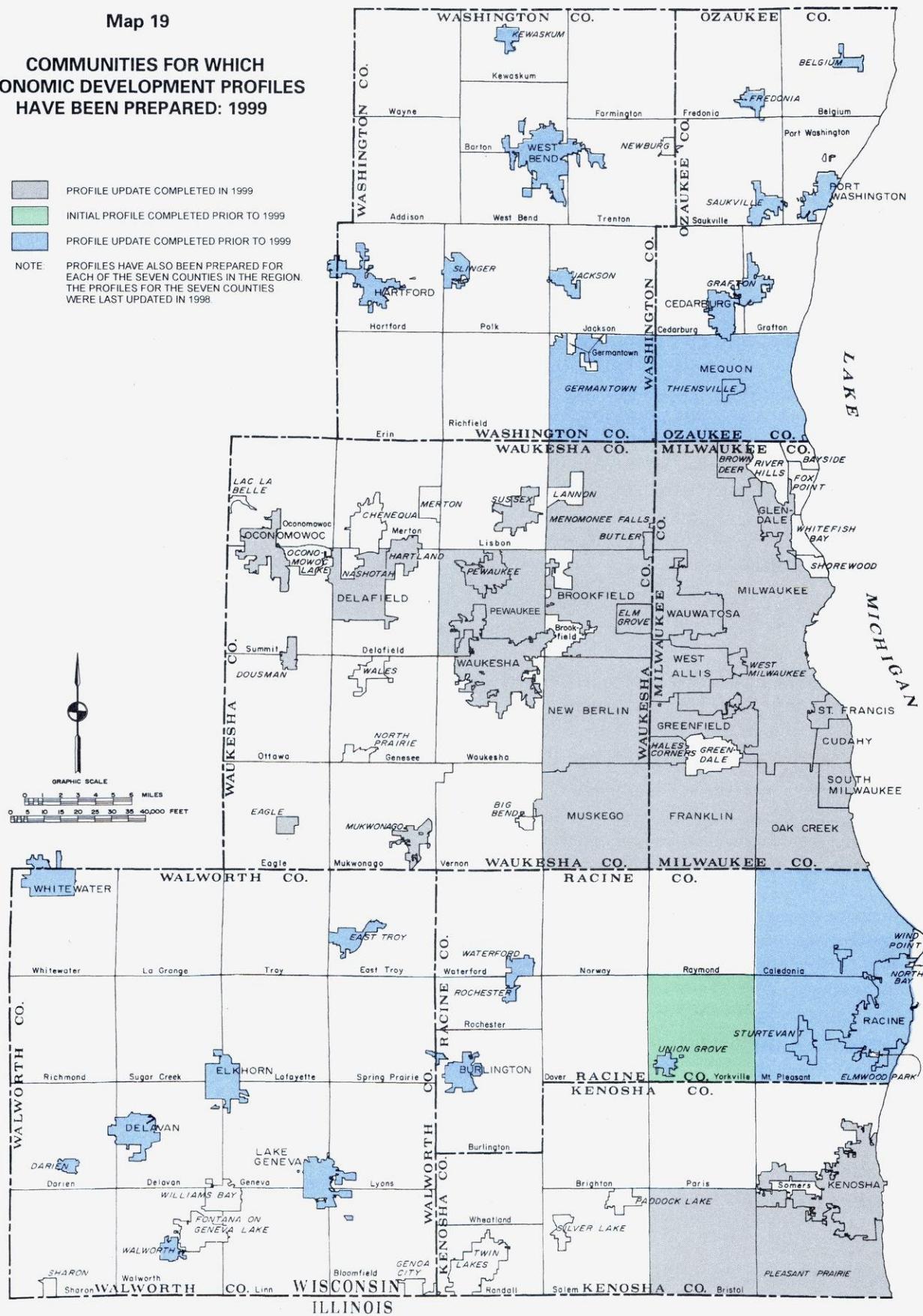
- Work was completed on the preparation of newly updated economic profiles for 32 cities, villages, and towns within Kenosha, Milwaukee, and Waukesha Counties. These profiles are part of a series of economic profiles originally prepared in 1984 and updated in 1988, 1990, and 1994 with the assistance of the Wisconsin Electric Power Company. The series also includes economic profiles for 30 cities, villages, and towns within Ozaukee, Racine, Walworth, and Washington Counties, as well as economic profiles for Kenosha, Milwaukee, Ozaukee, Racine, Walworth, Washington, and Waukesha Counties. These profiles were updated in 1998, except for the profile for the Town of Yorkville, an initial profile completed during that year. The communities for which profiles were updated in 1999 are shown on Map 19.
- Assistance was provided to the Racine County Economic Development Corporation with the conduct of, and data analysis for, a countywide business retention survey.
- Continued assistance was provided to Kenosha County in the preparation of a Federal Emergency Management Agency-Flood Mitigation Assistance plan for the 100-year recurrence interval floodplain of the Fox River in the County.
- Assistance was provided to Washington County with the conduct of, and data analysis for, a housing survey in the City of West Bend and the Villages of Kewaskum and Slinger.
- Assistance was provided to Christ Lutheran Church, Inc., and Lutheran Social Services of Wisconsin and Upper Michigan, Inc., in obtaining approval for the issuance of housing revenue bonds by the Kenosha County Housing Authority

Map 19

COMMUNITIES FOR WHICH ECONOMIC DEVELOPMENT PROFILES HAVE BEEN PREPARED: 1999

-  PROFILE UPDATE COMPLETED IN 1999
-  INITIAL PROFILE COMPLETED PRIOR TO 1999
-  PROFILE UPDATE COMPLETED PRIOR TO 1999

NOTE: PROFILES HAVE ALSO BEEN PREPARED FOR EACH OF THE SEVEN COUNTIES IN THE REGION. THE PROFILES FOR THE SEVEN COUNTIES WERE LAST UPDATED IN 1998.



for a new senior-citizen housing development in the Village of Paddock Lake.

FEDERAL AND STATE GRANT-IN-AID PROCUREMENT AND PUBLIC ADMINISTRATION ASSISTANCE

The Commission staff provides assistance to local units of government in the preparation of Federal and State grant-in-aid applications and, after issuance of a grant award, in the administration of the related programs. The Commission, upon request, also assists in the administration of local revolving loan fund programs. The grant applications seek State or Federal funding to provide below-market-interest-rate loans to businesses or grants to local units of government in an effort to expand employment opportunities and to increase the community tax base, to provide for the rehabilitation of existing housing for low- and moderate-income persons, to improve deficient public facilities serving low- and moderate-income persons, and to assist communities in recovering from natural disasters.

Grant Procurement Assistance

In 1999, the Commission assisted local units of government in obtaining the following grant awards:

- The Village of Menomonee Falls received approval for a Wisconsin Community Development Block Grant-Disaster Recovery Initiative Program application that was prepared with the assistance of Commission staff. The resulting \$171,261 grant award will be used to finance the acquisition and removal of residential dwellings that are located in the 100-year recurrence interval floodplain of Lilly Creek.
- The Village of Menomonee Falls received approval for two Federal Emergency Management Agency-Hazard Mitigation Grant Program applications that were prepared with the assistance of Commission staff. The resulting grant awards, totaling \$612,950, will be used to finance the acquisition and removal of residential dwellings that are located in the 100-year recurrence interval floodplain of Lilly Creek.
- Kenosha County received approval for a Federal Emergency Management Agency-Hazard Mitigation Grant Program application that was prepared

- with the assistance of Commission staff. The resulting \$793,075 grant award will be used to finance the acquisition and removal of residential dwellings that are located in the 100-year recurrence interval floodplain of the Fox River.

- Kenosha County received approval for a Federal Emergency Management Agency-Flood Mitigation Assistance Program application that was prepared with the assistance of Commission staff. The resulting \$125,100 grant award will be used to finance the acquisition and removal of residential dwellings that are located in the 100-year recurrence interval floodplain of the Fox River.
- Kenosha County received approval for a Wisconsin Community Development Block Grant-Emergency Assistance Program application that was prepared with the assistance of Commission staff. The resulting \$500,000 grant award will be used to finance the acquisition and removal of residential dwellings that are located in the 100-year recurrence interval floodplain of the Fox River.

- The Town of Wheatland received approval for a Wisconsin Community Development Block Grant-Emergency Assistance Program application that was prepared with the assistance of Commission staff. The resulting \$500,000 grant award will be used to finance the acquisition and removal of residential dwellings that are located in the 100-year recurrence interval floodplain of the Fox River.

The Commission staff completed work on the following grant application during 1999 for submission to the concerned funding agency for consideration in 2000:

- A Kenosha County application to the Wisconsin Community Development Block Grant-Housing and Neighborhood Revitalization Program for continued financing of the existing program to acquire residential structures located in the 100-year recurrence interval floodplain of the Fox River.

Public Administration

In addition to helping local communities apply for available Federal and State funds, the Commission will, upon request, contract with successful applicants for the administration of the grant awards and for the administration of revolving loan funds financed with

repayments on loans to businesses and homeowners. The Commission will also contract with local communities, upon request, to administer locally financed revolving loan fund programs. A number of activities are involved in administering these programs, including ensuring that the terms of each grant award or funding program are met. During 1999, the Commission provided contract services to administer the following grant awards that were made in previous years:

- A Wisconsin Community Development Block Grant-Public Facilities for Economic Development grant award totaling \$1.0 million and a Wisconsin Department of Transportation-Transportation Facilities Economic Assistance and Development Program (TEA) grant award totaling \$1.0 million. These grant awards were obtained by the Village of Menomonee Falls with the assistance of Commission staff to finance roadway improvements in the Village and the City of Milwaukee on behalf of Strong Capital Management, Inc., and M&I Data Services, a division of Marshall & Ilsley Corporation.
- A Wisconsin Community Development Block Grant-Economic Development grant award totaling \$506,000 obtained by Kenosha County with the assistance of Commission staff. This grant award is being used to provide a low-interest loan to assist the Cherry Corporation with the purchase of new machinery and equipment for the firm's manufacturing facility in the Village of Pleasant Prairie.
- A Wisconsin Community Development Block Grant-Public Facilities for Economic Development grant award totaling \$181,000 obtained by Kenosha County with the assistance of Commission staff. This grant award is being used to finance roadway improvements attendant to the expansion of the Cherry Corporation in the Village of Pleasant Prairie.
- A Federal Emergency Management Agency-Flood Mitigation Assistance grant award totaling \$4,500 obtained by the Kenosha County Housing Authority with the assistance of Commission staff. This grant award is being used to prepare a flood mitigation plan for the 100-year recurrence interval floodplain of the Fox River in Kenosha County, as noted above.
- A Wisconsin Community Development Block Grant-Public Facilities for Economic Development grant award totaling \$430,000 obtained by the Town of Mt. Pleasant with the assistance of Commission staff. This grant award will be used to finance roadway improvements attendant to the development of a Continental Properties Company, Inc., mixed-use business park in the Town.
- A Wisconsin Community Development Block Grant-Public Facilities for Economic Development grant award totaling \$510,000 obtained by the Village of Sturtevant with the assistance of Commission staff. This grant award will be used to finance the construction of a new water tower that will serve the new Artech Printing, Inc., manufacturing facility in the Village.
- A Wisconsin Community Development Block Grant-Economic Development grant award totaling \$746,000 obtained by the City of Cedarburg with the assistance of Commission staff. This grant award will be used to provide a low-interest loan to assist Norstar Aluminum Molds, Inc., with the purchase of new machinery and equipment for the firm's manufacturing facility in the City.
- A Wisconsin Community Development Block Grant-Economic Development grant award totaling \$406,000 obtained by Ozaukee County. This grant award will be used to provide a low-interest loan to assist Kapco, Inc., with the purchase of new machinery and equipment for the firm's manufacturing facility in the Village of Grafton.
- A Wisconsin Community Development Block Grant-Housing and Neighborhood Revitalization grant award totaling \$496,800 obtained by Kenosha County with the assistance of Commission staff. This grant award will be used to finance the acquisition and removal of five residential structures that are located in the 100-year recurrence interval floodplain of the Fox River, as well as to finance a program to assist low- and moderate-income renters in purchasing a home.
- A Federal Emergency Management Agency-Hazard Mitigation Grant Program grant award totaling \$1,680,930 obtained by the Village of Menomonee Falls with the assistance of Commission staff. This grant award will be used to

finance the acquisition and removal of residential dwellings that are located in the 100-year recurrence interval floodplain of Lilly Creek.

- Two Waukesha County Community Development Block Grant-Disaster Recovery Initiative grant awards totaling \$69,523 obtained by the Village of Menomonee Falls with the assistance of Commission staff. These grant awards will be used to assist with the acquisition and removal of residential dwellings that are located in the 100-year recurrence interval floodplain of Lilly Creek.

In addition, the Commission provided contract services to administer the following grant awards that were made in 1999:

- A Wisconsin Community Development Block Grant-Disaster Recovery Initiative Program grant award totaling \$171,261 obtained by the Village of Menomonee Falls with the assistance of Commission staff. This grant award will be used to finance the acquisition and removal of residential dwellings that are located in the 100-year recurrence interval floodplain of Lilly Creek.
- Two Federal Emergency Management Agency-Hazard Mitigation Grant Program awards totaling \$612,950 obtained by the Village of Menomonee Falls with the assistance of Commission staff. These grant awards will be used to finance the acquisition and removal of residential dwellings that are located in the 100-year recurrence interval floodplain of Lilly Creek.
- A Federal Emergency Management Agency-Hazard Mitigation Grant Program award totaling \$793,075 obtained by Kenosha County with the assistance of Commission staff. This grant award will be used to finance the acquisition and removal of residential dwellings that are located in the 100-year recurrence interval floodplain of the Fox River.
- Federal Emergency Management Agency-Flood Mitigation Assistance Program grant award totaling \$125,100 obtained by Kenosha County with the assistance of Commission staff. This grant award will be used to finance the acquisition and removal of residential dwellings that are located in the 100-year recurrence interval floodplain of the Fox River.

- A Wisconsin Community Development Block Grant-Emergency Assistance Program grant award totaling \$500,000 obtained by Kenosha County with the assistance of Commission staff. This grant award will be used to finance the acquisition and removal of residential dwellings that are located in the 100-year recurrence interval floodplain of the Fox River.

- A Wisconsin Community Development Block Grant-Emergency Assistance Program grant award totaling \$500,000 obtained by the Town of Wheatland with the assistance of Commission staff. This grant award will be used to finance the acquisition and removal of residential dwellings that are located in the 100-year recurrence interval floodplain of the Fox River.

Finally, the Commission provided technical assistance in the utilization and administration of revolving loan fund programs established through repayments on Wisconsin Community Development Block Grant awards and through locally borrowed funds during 1999 as follows:

- Provision of assistance to the Village of East Troy in providing information to businesses interested in obtaining financing from the Village's Community Development Block Grant-Economic Development revolving loan fund program and in completing the following activities: 1) provision of assistance in the packaging of a new loan totaling \$203,000 and 2) provision of assistance in the preparation of two semiannual reports to the Wisconsin Department of Commerce.
- Provision of assistance to the Village of Menomonee Falls in providing information to businesses interested in obtaining financing from the Village's Community Development Block Grant-Economic Development revolving loan fund program and the Village's economic development master fund program, and in completing the following activities: 1) provision of assistance in the servicing of 17 loans totaling \$684,216 that were provided with the assistance of the Commission; 2) provision of assistance in the packaging, closing, and servicing of 10 new loans totaling \$645,425; 3) provision of assistance in revising the policies-and-procedures manual

for the Village's economic development master fund program; and 4) provision of assistance in the preparation of two semiannual reports to the Wisconsin Department of Commerce.

- Provision of assistance to the City of Muskego in providing information to businesses interested in obtaining financing from the City's Community Development Block Grant-Economic Development revolving loan fund program and in the servicing of two loans totaling \$173,200 that were provided with the assistance of the Commission.
- Provision of assistance to the City of Mequon in providing information to businesses interested in obtaining financing from the City's Community Development Block Grant-Economic Development revolving loan fund program and in completing the following activities: 1) provision of assistance in the servicing of a \$50,000 loan that was provided with the assistance of the Commission and 2) provision of assistance in the packaging, closing, and servicing of one new loan totaling \$100,000.
- Provision of assistance to the Village of Sussex in providing information to businesses interested in obtaining financing from the Village's Community Development Block Grant-Economic Development revolving loan fund program and the Village's community enhancement fund program, and in the servicing of three loans totaling \$95,675.
- Provision of assistance to the City of Cedarburg in providing information to businesses interested in obtaining financing from the City's Community Development Block Grant-Economic Development revolving loan fund program and in completing the following activities: 1) provision of assistance in the servicing of a \$142,400 loan that was provided with the assistance of the Commission; 2) provision of assistance in revising the policies-and-procedures manual for the City's revolving loan fund program; and 3) provision of assistance in the preparation of two semiannual reports to the Wisconsin Department of Commerce.
- Provision of assistance to the City of Port Washington in providing information to businesses interested in obtaining financing from the City's Community Development Block Grant-Economic Development revolving loan fund program and in completing the following activities: 1) provision of assistance in the servicing of two loans totaling \$695,000 that were provided with the assistance of the Commission; 2) provision of assistance in the packaging of a new \$243,500 loan; and 3) provision of assistance in the preparation of two semiannual reports to the Wisconsin Department of Commerce.
- Provision of assistance to Ozaukee County in the preparation of two semiannual reports to the Wisconsin Department of Commerce for the County's Community Development Block Grant-Economic Development revolving loan fund program.
- Provision of assistance to the City of Cudahy in providing information to businesses interested in obtaining financing from the City's economic development master fund program and in completing the following activities: 1) provision of assistance in the development of a policies-and-procedures manual for the City's economic development master fund program and 2) provision of assistance in the packaging, closing, and servicing of two new loans totaling \$25,800.
- Provision of assistance to Washington County in the packaging and servicing of six loans for the County's Community Development Block Grant-Economic Development revolving loan fund program.
- Provision of assistance to the Kenosha County Housing Authority in utilizing and administering the County's Community Development Block Grant-Housing Rehabilitation revolving loan fund program, which included the following activities: 1) submission of 20 loan applications to the Kenosha County Housing Authority for review and approval; 2) conduct of closings for 12 revolving loan fund loans totaling \$109,277; 3) provision of information to 48 residents interested in borrowing funds from the revolving loan fund program; and 4) servicing of 235 outstanding revolving loan fund loans.

COMMUNITY ASSISTANCE PLANNING DIVISION

DIVISION FUNCTIONS

The Community Assistance Planning Division has primary responsibility for assisting local units of government in the Region in the conduct of local planning efforts. Such assistance promotes coordination between local and regional plans and plan implementation actions, resulting in good public administration as well as sound physical development within the Region. In 1999, the Division provided four basic types of services: educational, advisory, review, and project planning.

EDUCATIONAL SERVICES

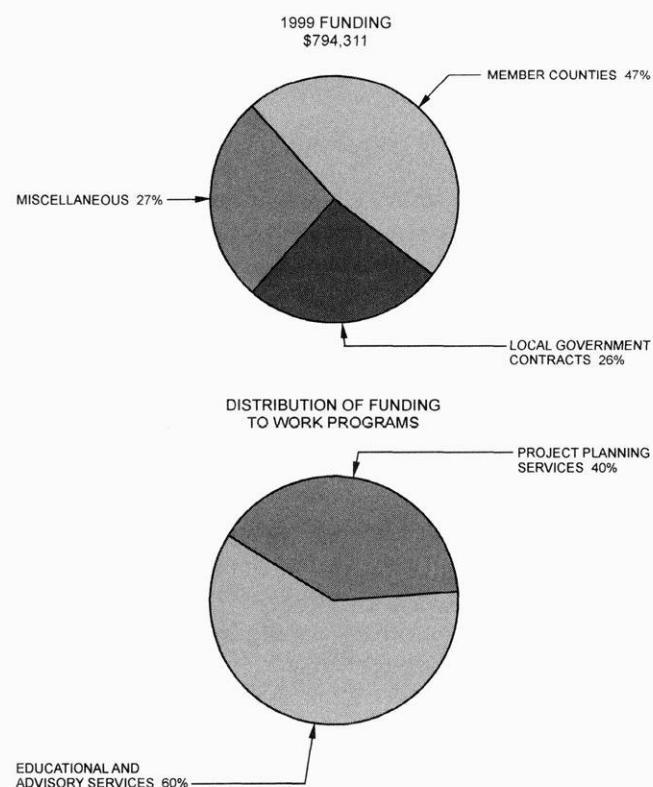
Educational services are provided by Commission staff to local units of government and citizen groups on request. They are directed at explaining the need for, and purposes of, continuing local, regional, and State planning programs and the relationships that should exist between these different levels of planning. In addition, these efforts are directed at encouraging the creation, organization, staffing, and financing of local planning programs. During 1999, educational efforts included the following:

- Presentations regarding the general scope of the work of the Commission and the details of specific work programs to local governmental, student, professional, and civic groups, including presentations to an environmental planning class at the University of Wisconsin-Milwaukee, an urban and regional planning class at Carroll College, and a real-estate-records class at Waukesha County Technical College.
- A presentation at the University of Wisconsin-Milwaukee Urban Initiatives Conference regarding metropolitan growth patterns in the Milwaukee area and perspectives on changing the public planning process to better accommodate the principles of "Smart Growth."
- Presentations regarding the year 2020 regional land use plan to the Leadership Racine Program

and the Commercial Association of Realtors-Wisconsin.

- Participation in an Ozaukee County League of Women Voters workshop on land use planning, which included a presentation by Commission staff on rural cluster development.
- A presentation on automated land information systems to a real-estate-records class at Waukesha County Technical College.
- Presentations on wetlands to a natural resource management class and an environmental engineering class at the University of Wisconsin-

Figure 32
COMMUNITY ASSISTANCE PLANNING DIVISION



Milwaukee, an ecology class at the University of Wisconsin-Waukesha, and an environmental geography class at Carroll College.

- A presentation on primary environmental corridors in Southeastern Wisconsin to a Marquette University engineering class.
- A presentation to the Kettle Moraine Garden Club on the Waukesha County development plan, including information on recommendations contained in the park and open space element of that plan as well as the regional natural areas plan as it pertains to Waukesha County.
- A presentation on travel trends in the Region and a presentation on the regional bicycle and pedestrian plan at the 1999 Wisconsin Transportation Planning Workshop, an event cosponsored by the Wisconsin Section of the Institute of Transportation Engineers, the Wisconsin Department of Transportation, and the Wisconsin Chapter of the American Planning Association.
- Preparation of a series of Commission newsletters discussing Commission planning programs and related activities. The newsletters are distributed to about 2,200 parties, including public officials, interested private citizens, and other parties.
- Preparation of the Commission's *1998 Annual Report*.

ADVISORY SERVICES

Advisory services consist of the provision of basic planning and engineering data available in the Commission's files to local units of government and private interests, and the provision, on an ad hoc basis, of technical planning and engineering assistance to local communities. Representative advisory services performed during 1999 included the following:

- Provision of assistance to several chief elected officials in Waukesha County in the development of a boundary-restructuring initiative. The initiative sets forth a process to establish fixed municipal boundaries for all communities in Waukesha County. It is envisioned that such a process would result in logical and readily identifiable municipal boundaries; the provision

of suitable, equitable, and cost-effective services in each community; and an end to costly litigation related to contested annexations and incorporations. As of the end of 1999, the proposal was being reviewed by each municipality in the County.

- Provision of information regarding the application of planned unit development regulations and the use of conservancy lands in the calculation of development density to the Town of Fredonia; a sample definition of an arterial street to the Village of Williams Bay; sample downtown parking regulations to the City of Mequon; information describing "spot zoning" to a private real-estate agent based in the City of Port Washington; regulations to limit the number of animals on a lot to the Town of Polk; information regarding transfer-of-development-rights programs to the Town of Spring Prairie; and sample road-access standards to the Town of Wayne.
- Provision of information and review comments on the Town of Cedarburg bicycle plan.
- Provision of review comments to the Town of Erin regarding the Town park plan and information to Ozaukee County regarding the desirable size of County parks.
- Provision of review comments on the draft 2000-2005 Wisconsin Statewide Comprehensive Outdoor Recreation Plan to the Wisconsin Department of Natural Resources.
- Provision of assistance in response to various inquiries about the National Flood Insurance Program and flood insurance rate maps for the Region.

REVIEW SERVICES

Review services are intended to encourage the incorporation into local planning programs, plans, and plan implementation devices, such as zoning and subdivision control ordinances, of regional studies and plans. In addition, review services are intended to prevent unnecessary duplication of planning efforts and to coordinate and encourage regional

Table 21
STATE AND FEDERAL GRANT REVIEWS: 1999

Review Category	Number of Reviews	Aggregate Amount of Federal and State Grant, Loan, or Mortgage Insurance Requests
Air Quality.....	1	\$ 6,090,636
Community Action	45	92,864,431
Community Development.....	6	5,481,004
Community Facilities.....	8	3,947,522
Conservation.....	41	100,529,027
Housing	12	105,982,572
Solid Waste.....	7	4,702,973
Transportation.....	8	7,742,810
Water Facilities	1	1,900,000
Total	129	\$329,240,975

implementation. Three basic types of review services are performed by Commission staff: review of local plans, plan implementation devices, and development proposals; review of Federal and State grant applications; and review of environmental impact statements, reports, and assessments.

Reviews in the first category performed during 1999 included reviews of 59 preliminary land subdivision plats, including seven each in the Village of Pleasant Prairie and the Town of Mt. Pleasant, five each in the City of Pewaukee and the Town of Delavan, four in the Town of Sugar Creek, three each in the Towns of Bloomfield, Lyons, and Salem, two each in the Towns of Caledonia, Geneva, LaGrange, Spring Prairie, and Wheatland, and one each in the Cities of Hartford and New Berlin, the Villages of Belgium, Germantown, Mukwonago, Silver Lake, Slinger, Twin Lakes, and Waterford, and the Towns of Dover, East Troy, and Linn.

Commission activities regarding the review of Federal and State grant applications during 1999 are summarized in Table 21. In total, review comments were provided for 129 applications for Federal and State grants, loans, or mortgage insurance guarantees requesting in the aggregate over \$329 million in Federal and State financial assistance. Of the 129 requests, two were found to be in conformance with, and to serve to implement, the adopted regional plan elements. The remaining 127 were found to be not in conflict with the adopted regional plan elements.

Commission activities, as noted above, also include the review of environmental impact statements, reports, and assessments. Comments are provided, when required, relating the proposed projects and data set forth in the environmental impact statements to the adopted regional plans. During 1999, the Commission staff reviewed the draft and final environmental impact statements for the proposed Sandburg Residence Halls East Tower building on the University of Wisconsin-Milwaukee campus.

PROJECT PLANNING SERVICES

Project planning services generally involve the conduct for local member units of government of detailed planning studies resulting in the preparation of local plans and plan implementation devices. During 1999, the Commission's local project planning efforts included the following:

Land Use Plans

- Completion of publication work for SEWRPC Community Assistance Planning Report No. 232, *A Land Use Plan for the Town of Saukville: 2010, Ozaukee County, Wisconsin*, adopted by the Town in and dated September 1998.
- Completion of several local-level land use plans, documented, respectively, in SEWRPC Community Assistance Planning Reports No. 237, *A Land Use Plan for the Town and Village of*

Rochester: 2020, Racine County, Wisconsin, November 1999, a joint Town of Rochester-Village of Rochester plan; No. 243, A Land Use Plan for the Town of Dover: 2020, Racine County, Wisconsin, August 1999; No. 33 (2nd Edition), A Land Use Plan for the Town of Fredonia: 2010, Ozaukee County, Wisconsin, January 1999; No. 229, A Land Use Plan for the Town of Troy: 2020, Walworth County, Wisconsin, January 1999; and No. 235, A Land Use Plan for the Town of Wayne: 2020, Washington County, Wisconsin, February 1999.

- Continuation of work on a joint land use plan for the Village of Union Grove and the Town of Yorkville, and on land use plans for the Towns of Beloit and Lyons and the Village of Hartland.
- Initiation of work on land use plans for the Town of Spring Prairie and the Village of Wales, beginning with the conduct of community surveys in each municipality.

Park and Open Space Plans

- Completion of new park and open space plans for the Cities of Lake Geneva and West Bend, documented, respectively, in SEWRPC Community Assistance Planning Reports No. 242, *A Park and Open Space Plan for the City of Lake Geneva, Walworth County, Wisconsin, April 1999*, and No. 250, *A Park and Open Space Plan for the City of West Bend: 2020, Washington County, Wisconsin, April 1999*.
- Continuation of work on updated park and open space plans for the City of Brookfield and the Town of Eagle.
- Initiation of work on updated park and open space plans for the Towns of Caledonia and Mt. Pleasant.

Zoning Ordinances and Maps

- Completion of an updated zoning ordinance for the Village of Fontana-on-Geneva Lake and an updated zoning ordinance and map for the Town of Kewaskum.
- Continuation of work on shoreland zoning maps for Washington County, and a shoreland zoning ordinance and maps for Ozaukee County.
- Continuation of work on updated zoning ordinances and maps for the Cities of Cudahy and Waukesha and the Village of Kewaskum, as well as an updated zoning ordinance for the Village of River Hills.
- Initiation of work on updating the zoning ordinance and map for the Town of Wayne.
- Reprinting of the Town of Polk zoning ordinance.

Other Project Planning Efforts

- Preparation of a conceptual site development plan for a proposed new Kenosha County park in the western portion of the County and provision of assistance to the County in completing an application for a grant for acquisition of the site.
- Preparation of a report recommending land use and zoning for parcels within the Keup Road corridor on the northeast side of the City of Cedarburg.
- Completion, in cooperation with the Racine County Economic Development Corporation, of a study regarding the present and potential future availability of industrial park land in Racine County. The study findings and recommendations are documented in SEWRPC Memorandum Report No. 136, *Racine County Industrial Park Land Absorption Study*, July 1999.

CARTOGRAPHIC AND GRAPHIC ARTS DIVISION

DIVISION FUNCTIONS

The Commission's Cartographic and Graphic Arts Division provides basic services to other Commission divisions in a number of functional areas. The Division is responsible for creating and maintaining current a series of regional planning base maps that are used not only by the Commission, but are extensively used also by other units of government and by private interests. In addition, the Division is responsible for securing aerial photography of the Region at five-year intervals selected to coincide with U.S. Bureau of the Census decennial census years and related intercensal periods. The Division also provides in-house document reproduction services, as well as those reproduction services needed to provide copies of aerial photos, soil maps, and base maps for use by other units of government and by private interests.

The Division also serves as a regional coordinating center for the conduct of large-scale topographic mapping efforts and the collation of horizontal and vertical survey control data. This function includes the preparation, upon request, of contracts and specifications for large-scale mapping and control survey efforts by county and local units of government. Another Division function, begun in 1984 and attendant to the Commission Executive Director's service as the Milwaukee County Surveyor, is the indexing and filing of records of all land surveys completed in Milwaukee County.

Finally, a major Division function involves final report production, including editing, type composition, proofreading, illustration preparation, offset printing, and binding.

BASE MAPPING

During 1999, work continued on the updating of the Commission's one-inch-equals-2,000-feet-scale county planning base maps, using 1995 orthophotography and Wisconsin Department of Transportation state aid mileage summary maps. In 1999, this effort included updating of planimetric features and changing civil

division corporate limit lines to reflect recent annexations and incorporations.

SURVEY CONTROL AND TOPOGRAPHIC AND CADASTRAL MAPPING

The Commission encourages county and local units of government in the Region to prepare one-inch-equals-100-feet-scale and one-inch-equals-200-feet-scale, two-foot-contour-interval topographic maps based on a Commission-recommended monumented control survey network, relating the U.S. Public Land Survey System to the State Plane Coordinate System. The Division assists counties and local communities in the preparation of contracts and specifications for these programs. All the horizontal and vertical control survey data obtained as part of these mapping efforts are compiled by the Division. The Commission thus serves as a center for the collection, collation, and coordination of control survey data throughout the Region.

Three of the seven counties of the Region have completed monumentation, control survey, and large-scale topographic mapping programs: Racine County in 1976, Kenosha County in 1988, and Milwaukee County in 1996. Such programs are under way in the remaining four counties. These county surveying and mapping programs represent model programs.

As shown on Map 20 and in Table 22, a total of 9,694 U.S. Public Land Survey corners in the Region as of the end of 1999 had been relocated, monumented, and coordinated, representing about 82 percent of all such corners in the Region. Map 21 shows those areas of the Region for which, as of the end of 1999, large-scale topographic maps had been or were being prepared to Commission-recommended standards. As shown in Table 22, the area thus completed totals about 1,798 square miles, or about 67 percent of the total area of the Region. Samples of products obtained under the monumentation, control survey, and large-scale topographic mapping programs are shown in Figures 33 and 34 and on Map 23.

Map 20

RELOCATION, MONUMENTATION,
AND COORDINATION OF U.S. PUBLIC
LAND SURVEY CORNERS: 1999

LEGEND

- U.S. PUBLIC LAND SURVEY CORNERS WHICH HAVE BEEN RELOCATED, MONUMENTED, AND COORDINATED
- U.S. PUBLIC LAND SURVEY CORNERS WHICH ARE BEING RELOCATED, MONUMENTED, AND /OR COORDINATED

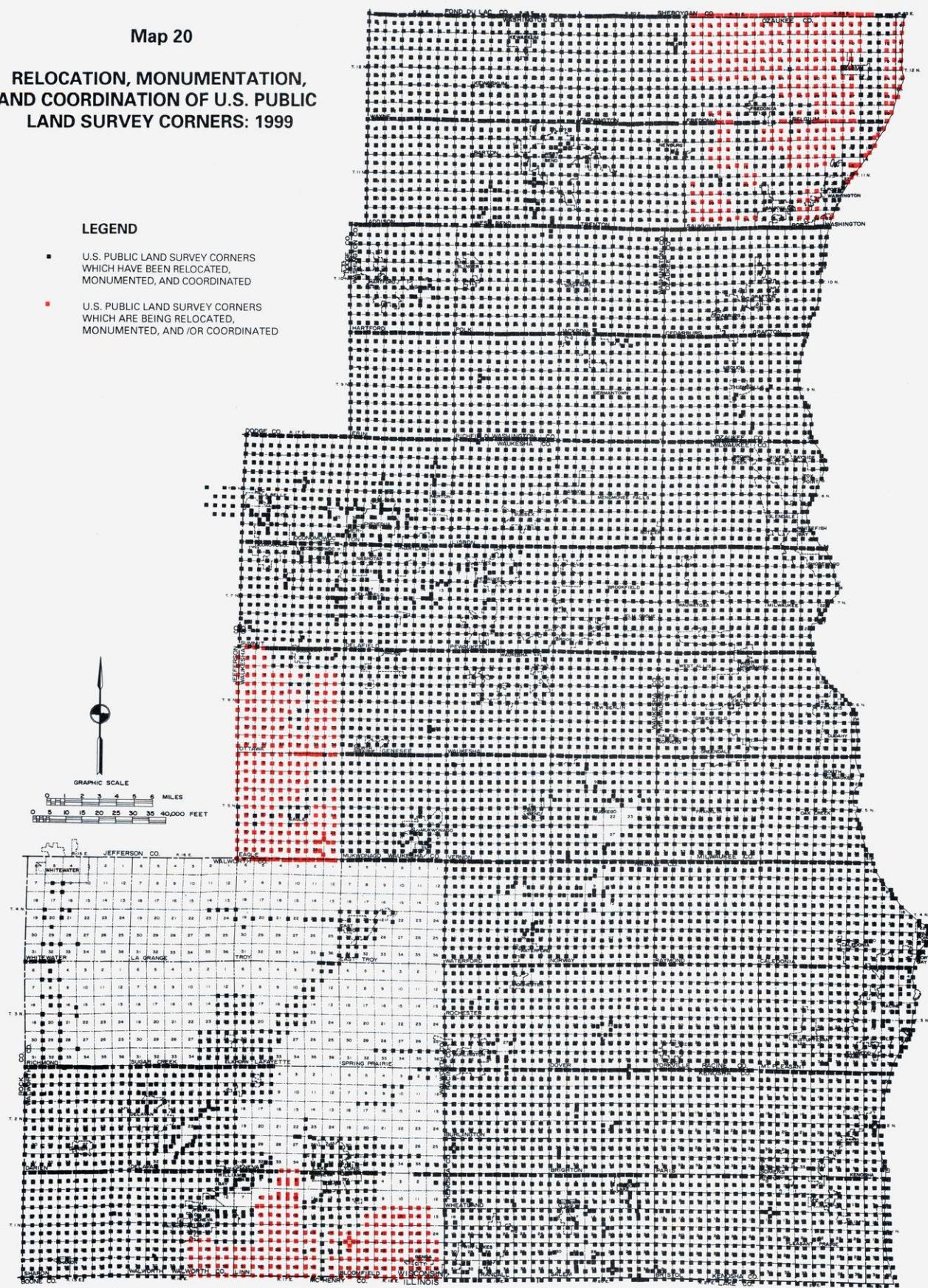


Table 22

**RELOCATION, MONUMENTATION, AND COORDINATION OF U.S. PUBLIC LAND
SURVEY CORNERS AND COMPLETION OF LARGE-SCALE TOPOGRAPHIC MAPPING: 1999**

County	Estimated Total Corners ^b	Number of U.S. Public Land Survey Corners Which Have Been Relocated, Monumented, and Coordinated ^a							
		Wisconsin Department of Transportation	SEWRPC	County	Milwaukee Metropolitan Sewerage District	Local ^c	Multi-Agency	Total	Percent
Kenosha	1,203	58	168	914	--	63	--	1,203	100.00
Milwaukee.....	1,065	72	184	132	159	492	26	1,065	100.00
Ozaukee.....	1,064	143	179	254	3	110	--	689	64.76
Racine.....	1,478	--	172	1,306	--	--	--	1,478	100.00
Walworth.....	2,503	315	--	616	--	121	11	1,063	42.47
Washington.....	1,905	150	164	1,112	--	428	51	1,905	100.00
Waukesha.....	2,535	78	463	1,154	--	596	--	2,291	90.37
Region	11,753	816	1,330	5,488	162	1,810	88	9,694 ^d	82.48

^aAs of the end of 1999, an additional 830 U.S. Public Land Survey corners were being incorporated into the control survey system.

^bThe estimated number of corners for each county was determined by assigning standard and closing corners to the respective county concerned and by alternately assigning common corners to the two or more counties concerned.

^cIncludes 21 cities, 21 villages, and four towns.

^dBecause of the need to set witness corners, these 9,694 U.S. Public Land Survey corners, including the centers of the sections, are marked by 9,853 monuments.

County	Total Area (square miles)	Area (square miles) of Large-Scale Topographic Mapping Completed ^a						
		SEWRPC	County	Milwaukee Metropolitan Sewerage District	Local ^b	Multi-Agency	Total	Percent
Kenosha	278	27.75	236.25	--	14.00	--	278.00	100.00
Milwaukee.....	242	11.00	102.00	49.50	77.00	2.50	242.00	100.00
Ozaukee.....	234	24.25	78.50	--	17.50	--	120.25	51.39
Racine.....	340	25.50	314.50	--	--	--	340.00	100.00
Walworth.....	578	--	113.25	--	27.50	--	140.75	24.35
Washington	436	22.75	42.50	--	89.25	9.00	163.50	37.50
Waukesha.....	581	78.75	289.00	--	145.25	--	513.00	88.30
Region	2,689	190.00	1,176.00	49.50	370.50	11.50	1,797.50	66.85

NOTE: Includes only those areas of the Region for which large-scale topographic maps have been prepared and throughout which U.S. Public Land Survey corners have been relocated, monumented, and coordinated utilizing SEWRPC-recommended procedures. Area shown indicates original large-scale topographic mapping programs. Of the 190.00 square miles originally mapped under SEWRPC programs, 110.50 square miles have been updated by other agencies. Of the 1,176.00 square miles originally mapped under county programs, 2.00 square miles have been updated by other agencies. Of the 370.50 square miles originally mapped under local programs, 193.00 square miles have been updated by other agencies.

^aAs of the end of 1999, large-scale topographic mapping was being extended into an additional 168.25 square miles of area.

^bIncludes 21 cities, 21 villages, and four towns.

Map 22 shows those areas of the Region for which, as of the end of 1999, large-scale cadastral (parcel) maps had been or were being prepared to Commission-recommended standards, either by Commission staff or by private contractors working

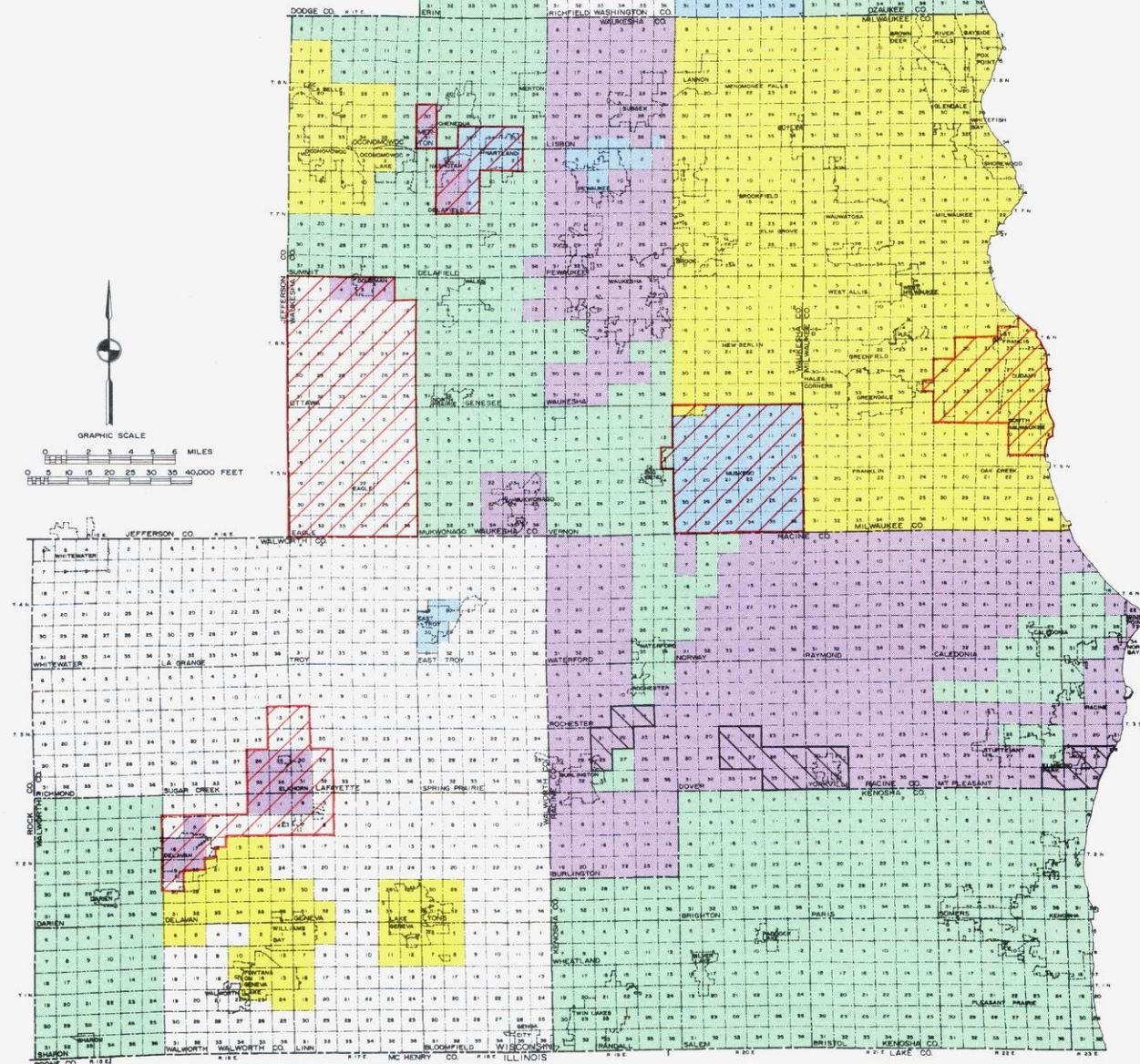
under programs administered by the Commission. These areas total approximately 1,446 square miles, or about 54 percent of the total area of the Region. A sample of a portion of a completed cadastral map is shown on Map 24.

Map 21

LARGE-SCALE TOPOGRAPHIC
MAPPING PREPARED TO
COMMISSION-RECOMMENDED
SPECIFICATIONS: 1999

LEGEND

-  DIGITAL TOPOGRAPHIC MAPPING COMPLETED AT A SCALE OF 1" = 100'
-  DIGITAL TOPOGRAPHIC MAPPING COMPLETED AT A SCALE OF 1" = 200'
-  ANALOG TOPOGRAPHIC MAPPING COMPLETED AT A SCALE OF 1" = 100'
-  ANALOG TOPOGRAPHIC MAPPING COMPLETED AT A SCALE OF 1" = 200'
-  DIGITAL TOPOGRAPHIC MAPPING UNDER PREPARATION AT A SCALE OF 1" = 100'
-  DIGITAL TOPOGRAPHIC MAPPING UNDER PREPARATION AT A SCALE OF 1" = 200'



Map 22

LARGE-SCALE CADASTRAL MAPPING
PREPARED TO COMMISSION-RECOMMENDED
SPECIFICATIONS UNDER PROGRAMS
ADMINISTERED BY THE COMMISSION: 1999

LEGEND

- DIGITAL CADASTRAL MAPPING COMPLETED
AT A SCALE OF 1" = 100'
- DIGITAL CADASTRAL MAPPING COMPLETED
AT A SCALE OF 1" = 200'
- DIGITAL CADASTRAL MAPPING UNDER
PREPARATION AT A SCALE OF 1" = 100'
- DIGITAL CADASTRAL MAPPING UNDER
PREPARATION AT A SCALE OF 1" = 200'



GRAPHIC SCALE
0 1 2 3 4 5 6 MILES
0 5 10 20 30 40,000 FEET

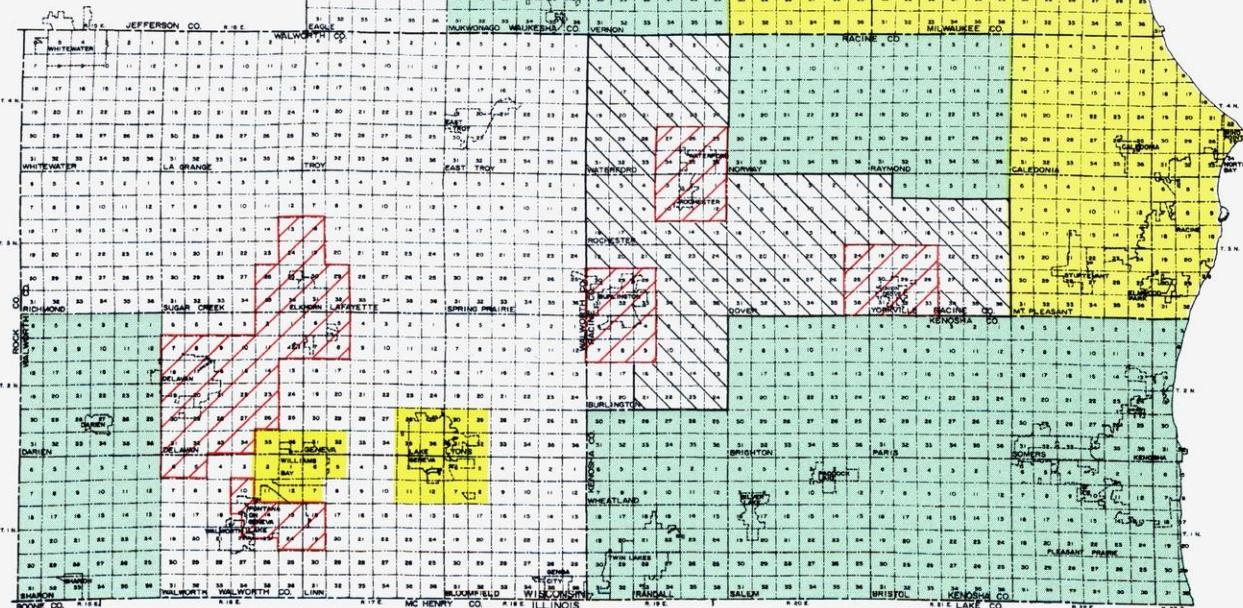


Figure 33

RECORD OF U.S. PUBLIC LAND SURVEY CONTROL STATION

MILWAUKEE COUNTY LAND SURVEY RECORDS

In 1984, State legislation was enacted which in part requires that in a county having a population of 500,000 or more, where there is no county surveyor, a copy of each land survey plat prepared by a land surveyor be filed in the office of the regional planning commission, the executive director of which is to act in the capacity of county surveyor for the county. Under this act, the commission is also made responsible for perpetuating corners of the U.S. Public Land Survey which may

be subject to destruction, removal, or burial through construction or other activities and for maintaining a record of the surveys required for such perpetuation. This act became effective on May 28, 1984.

In 1999, under the requirements of this legislation, the Division received, indexed, and filed 1,744 records of land surveys completed within Milwaukee County, the only county within the Region which meets the statutory criteria concerned. This brings the total number of records of land surveys completed within Milwaukee County which have been filed by the Division to 29,364.

Updated copies of lists of the filed survey records are prepared quarterly and transmitted to the Milwaukee County Director of Public Works, the Milwaukee County Register of Deeds, city and village engineers within the County, and all land surveyors who have submitted records of surveys to the Commission for indexing and filing.

Since 1961, the Commission has maintained records on U.S. Public Land Survey corners within the entire Region. Since 1984, the Commission, as noted above, has also been responsible for the perpetuation of the U.S. Public Land Survey System in Milwaukee County.

REPRODUCTION SERVICES

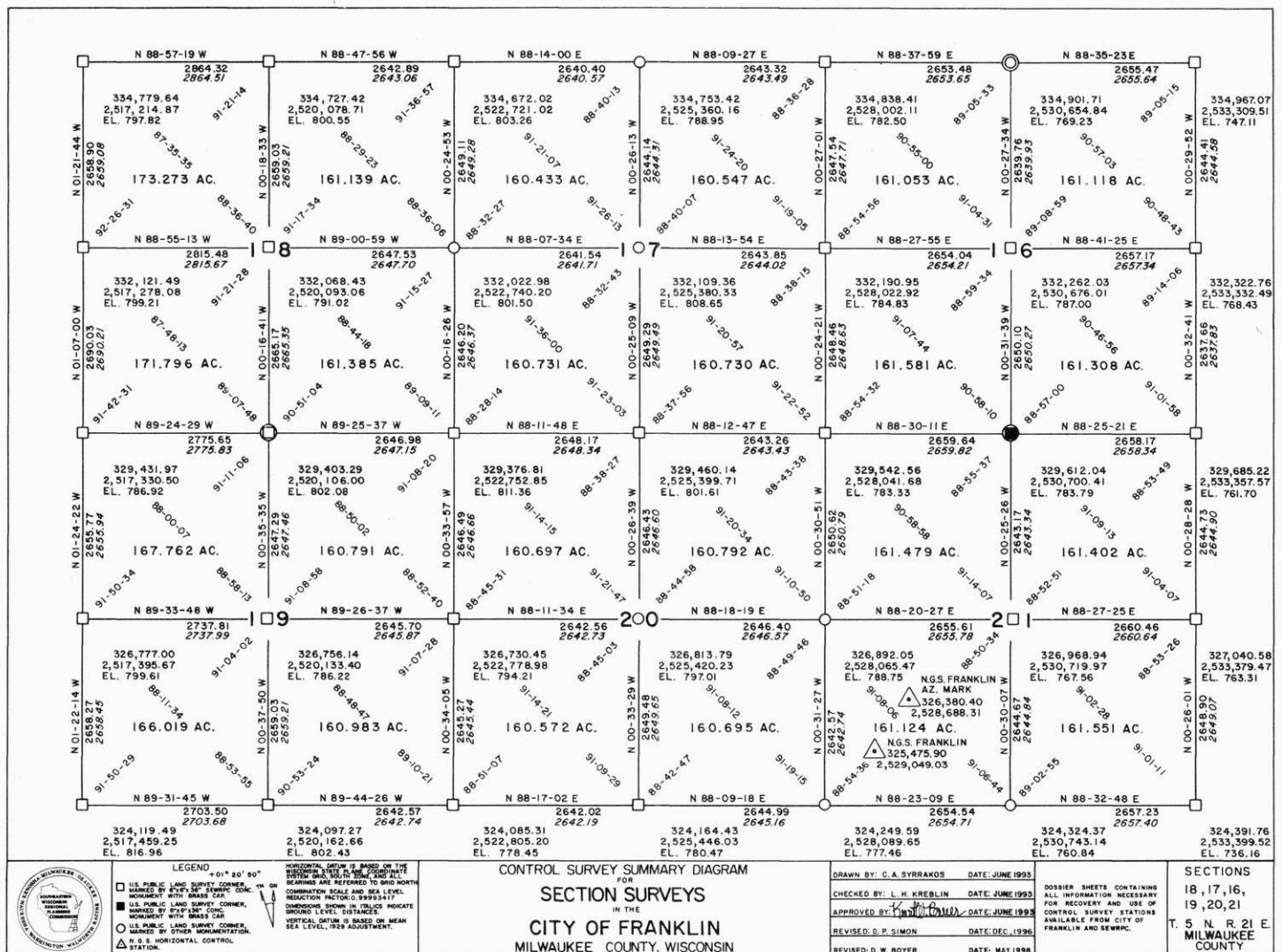
In addition to serving all other Commission divisions through in-house reproduction of reports, the Division provided reproduction services for local units of government and private interests. During 1999, a total of 5,736 prints of aerial photographs of portions of the Region were reproduced, along with 42 soil map prints and 47 prints of maps in the Commission base map series.

FINAL REPORT PRODUCTION

The Commission produces most of its documents using in-house staff and equipment. During 1999, the Cartographic and Graphic Arts Division was responsible for the production of the following Commission publications:

Figure 34

TYPICAL CONTROL SURVEY SUMMARY DIAGRAM



WORK PROGRAMS, STUDY DESIGNS,
AND PROSPECTUSES

- Overall Work Program—2000, Southeastern Wisconsin Regional Planning Commission, October 1999, 107 pages

ANNUAL REPORTS

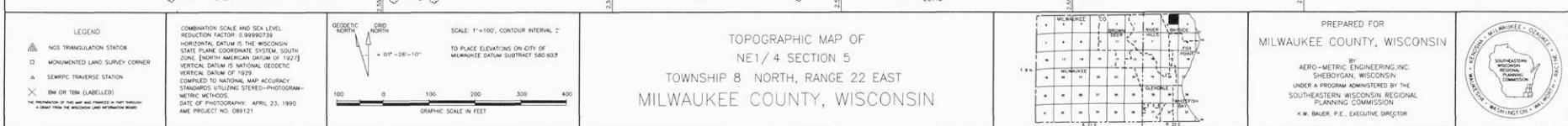
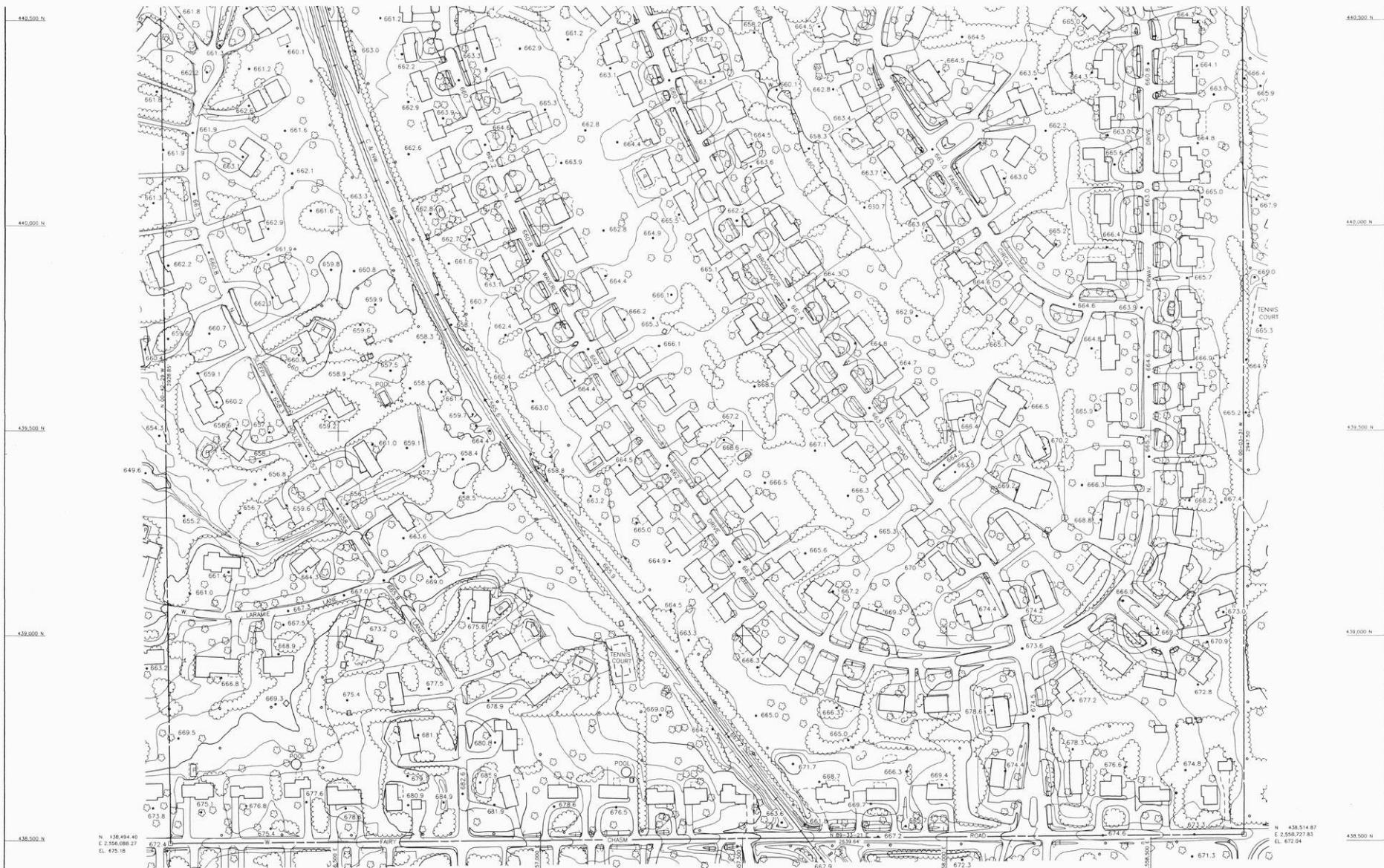
- 1998 Annual Report, May 1999, 208 pages

COMMUNITY ASSISTANCE
PLANNING REPORTS

- No. 33 (2nd Edition), *A Land Use Plan for the Town of Fredonia: 2010*, Ozaukee County, Wisconsin, January 1999, 120 pages
- No. 100 (2nd Edition), *Sanitary Sewer Service Area for the City of Waukesha and Environs*, Waukesha County, Wisconsin, March 1999, 56 pages

Map 23

TYPICAL TOPOGRAPHIC MAP



Map 24

TYPICAL CADASTRAL MAP



- No. 172 (2nd Edition), *Sanitary Sewer Service Area for the City of Oconomowoc and Environs, Waukesha County, Wisconsin*, September 1999, 43 pages
- No. 229, *A Land Use Plan for the Town of Troy: 2020, Walworth County, Wisconsin*, January 1999, 97 pages
- No. 232, *A Land Use Plan for the Town of Saukville: 2010, Ozaukee County, Wisconsin*, September 1998, 135 pages
- No. 235, *A Land Use Plan for the Town of Wayne: 2020, Washington County, Wisconsin*, February 1999, 99 pages
- No. 237, *A Land Use Plan for the Town and Village of Rochester: 2020, Racine County, Wisconsin*, November 1999, 107 pages
- No. 242, *A Park and Open Space Plan for the City of Lake Geneva, Walworth County, Wisconsin*, April 1999, 71 pages
- No. 243, *A Land Use Plan for the Town of Dover: 2020, Racine County, Wisconsin*, August 1999, 106 pages
- No. 247, *Sanitary Sewer Service Area for the Town of Norway Sanitary District No. 1 and Environs, Racine and Waukesha Counties, Wisconsin*, June 1999, 33 pages
- No. 250, *A Park and Open Space Plan for the City of West Bend: 2020, Washington County, Wisconsin*, April 1999, 93 pages

MEMORANDUM REPORTS

- No. 130, *A Lake and Watershed Inventory for Nagawicka Lake, Waukesha County, Wisconsin*, March 1999, 117 pages
- No. 131, *Environmental Analysis of the Lands at the Headwaters of Gilbert Lake and Big Cedar Lake, Washington County, Wisconsin*, March 1999, 159 pages

- No. 136, *Racine County Industrial Park Land Absorption Study*, July 1999, 28 pages

NEWSLETTERS

- Vol. 39, Nos. 1-4, 52 pages

OTHER

- *Amendment to the Regional Water Quality Management Plan, City of New Berlin*, March 1999, 5 pages
- *Amendment to the Regional Water Quality Management Plan, Village of Genoa City*, June 1999, 4 pages
- *Amendment to the Regional Water Quality Management Plan, Village of Hartland*, June 1999, 4 pages
- *Amendment to the Regional Water Quality Management Plan, City of Oconomowoc*, June 1999, 4 pages
- *Amendment to the Regional Water Quality Management Plan, Eagle Lake Sewer Utility District*, September 1999, 5 pages
- *Amendment to the Regional Water Quality Management Plan, City of Hartford and Environs*, September 1999, 6 pages
- *Amendment to the Regional Water Quality Management Plan, Village of Mukwonago*, December 1999, 5 pages
- *Amendment to the Regional Water Quality Management Plan, City of Muskego*, December 1999, 15 pages
- *Amendment to the Regional Water Quality Management Plan, City of Racine and Environs*, December 1999, 1 page

GEOGRAPHIC INFORMATION SYSTEMS DIVISION

DIVISION FUNCTIONS

The Commission's Geographic Information Systems Division provides basic support services not only to the Commission's planning divisions, but also to county and local governments in the development of automated land information systems. Since the mid-1970s, the Division has had a computer mapping capability that has provided the foundation for a still-evolving regional geographic information system (GIS). A geographic information system is defined as a computer-based system of capturing, storing, retrieving, analyzing, and reproducing geographically based data such as land use, soils, wildlife habitat, and floodplain boundaries and associated attribute information. The system thus identifies and maps characteristics of areas without regard to real-property ownership. In the Commission's GIS, the basis for the control of these data sets is the U.S. Public Land Survey System tied to the State Plane Coordinate System by accurate horizontal control surveys.

A land information system (LIS) is conceptually different from a GIS only in that an important new component is added—real-property boundary lines with definitions of ownership parcels. The data in an LIS are therefore all parcel-related. Since such cultural information is also directly related to the U.S. Public Land Survey System, it is possible to integrate fully the Commission's regional GIS data base with the additional information being developed under the county land information systems within the Region. As counties complete these land information systems, it may be expected that the regional GIS in Southeastern Wisconsin will, in effect, be merged with the seven county land information systems into a single computer-based system. Such a system would contain a wide range of planning data pertaining both to the physical characteristics of the land and environment and the cultural characteristics of how the land is owned and managed.

The following sections present a technical description of the Commission computer mapping capabilities, a discussion of the status of the regional GIS, and a review of the status of the seven county land information systems under development within Southeastern Wisconsin.

COMPUTER MAPPING CAPABILITIES

The Commission has maintained a computer-assisted mapping capability since 1976. At that time, the Commission utilized computer-assisted drafting (CAD) software to create, maintain, and replicate maps for planning purposes. CAD-type software performs well in situations where these basic mapping functions are required, but does not provide the ability to analyze map data or to integrate information from diverse spatial data sets. GIS software is a more appropriate tool to incorporate maps with related attribute data, and to extract and generate new information from the analysis of multiple sets of map data. The ability to perform these types of operations is especially valuable to the Commission in areawide planning efforts. Therefore, in 1987, the Commission acquired GIS software to support map digitization, map production, and map-related analytical functions.

The Commission's geographic information system currently includes GenaMap and ArcView GIS software and AutoCAD and MicroStation CAD software. The GenaMap software supports a wide variety of data collection, map analysis, and map production tasks. To supplement this GIS functionality, the ArcView, AutoCAD, and MicroStation software is used in a variety of map review and map preparation operations, and facilitates the translation and comparison of digital map files between differing file formats. Oracle relational data-base software is also used in conjunction with the GenaMap software to relate important attribute information to graphics files in Commission GIS projects.

DEVELOPMENT OF A REGIONAL GEOGRAPHIC INFORMATION SYSTEM

Since the mid-1970s, the Commission has had under development a regional geographic information system with an emphasis on acquiring and utilizing data for regional planning purposes. The initial development of the system began with the conversion to digital format of land use and related inventories that previously were quantified, manipulated, and stored in hard-copy form. Over the years, the Commission has continued these map conversion efforts to build a large inventory of planning data sets for the Region. Currently, the regional GIS consists largely of resource inventories such as

land use, soils, environmental corridors, vegetation, wildlife habitat, and related inventories. In addition to these data sets, the GIS also includes digital aerial orthophotography and digital base mapping for each county within the Region. A partial list of the planning inventories and other data sets contained in the Commission's regional geographic information system and, where applicable, the year of currency of each data set, includes the following:

- Aerial Orthophotography: 1995
- Land Use: 1963, 1970, 1975, 1980, 1985, 1990, 1995
- Soil Mapping Units
- Historical Urban Growth: 1995
- Vegetation: 1985, 1995
- Wildlife Habitat: 1985, 1995
- Inventory Environmental Corridors: 1990, 1995
- Planned Environmental Corridors
- Floodplain Boundaries
- Pre-European-Settlement Vegetation: 1836
- County Base Maps: 1985, 1990, 1995
- Natural Areas and Critical Species Habitats
- Civil Division Boundaries: 1985, 1990, 1995
- Regional Land Use Plan: 2010, 2020
- Watershed, Subwatershed, and Subbasin Boundaries
- Park and Open Space Sites

Many of these data sets are in development and have not been fully converted to digital format. The Commission continues to work annually toward building and enhancing the computerized regional planning data base. Over time, the Commission intends to augment its GIS by adding demographic boundaries, planning analysis areas for regional planning purposes, network and attribute data attendant to regional transportation system mapping,

and numerous additional data sets. Because the regional GIS is continually evolving, potential users of the data residing in the system need to make specific inquiries to the Commission regarding data availability.

DEVELOPMENT OF COUNTY-BASED LAND INFORMATION SYSTEMS

Since its inception, the Commission has recommended that county and local units of government in the Region adopt a model for development of land information systems that includes preparation of base mapping and overlay mapping. This model for development consists of the following components:

1. The completion of the location and remonumentation of all U.S. Public Land Survey corners and quarter-section corners, including the centers of the sections, to Commission standards.
2. The completion of high-order horizontal and vertical control surveys to establish the State Plane Coordinates and elevations of the U.S. Public Land Survey corners to Commission standards.
3. The completion of topographic base maps in digital and hard-copy form at one-inch-equals-100-feet or one-inch-equals-200-feet scales, with two-foot contour intervals.
4. The completion of cadastral overlay maps in digital and hard-copy form at similar one-inch-equals-100-feet or one-inch-equals-200-feet scales. These maps provide detailed information on the location and configuration of all real-property boundaries, including the boundaries of all streets and public ways and other public landholdings. These maps also assign a parcel identification number (tax key number) to each ownership parcel to enable the linking of geographic with nongeographic data files.
5. The creation of an initial series of planning-oriented overlay maps in digital form, including parcel ownership, assessed valuation, soils, land use, wetland, floodplain, shoreland, and zoning data.

The first four components of this model establish the creation of large-scale topographic base maps and cadastral overlay maps founded upon a Commission-recommended monumented control survey network that accurately relates the U.S. Public Land Survey

System to the State Plane Coordinate System. With this foundation in place, the final component of planning oriented mapping can be added to create a modern system of land information access and management. Land information systems developed in this manner can be further enhanced with the addition of a wide variety of maps and spatially related data files, providing information on demographic and administrative areas, public works, transportation, emergency services, public safety, land conservation, and numerous other applications. All counties and many local units of government in the Region are actively developing and enhancing land information systems according to this model of implementation.

Efforts to develop county-based land information systems were significantly enhanced by the initiation in 1990 of the Wisconsin Land Information Program. This program, overseen by the Wisconsin Land Information Board (WLIB), provides a focal point for land records modernization issues and efforts within Wisconsin. Under the program, counties throughout the State are to prepare and implement plans to modernize land records systems. The program includes a funding mechanism, based upon supplemental Register of Deeds filing and recording fees, that facilitates the implementation of county land information system plans.

By the end of 1992, the Commission had assisted all seven counties in the Region in preparing initial county land information system plans. Recently, all counties in the Region have revised their initial plans and have submitted the resulting updated land information system plans to the WLIB. Each revised plan updates and extends the recommendations set forth in its corresponding initial county-level plan. The following summarizes the major activities carried out during 1999 with the assistance of the Commission in the implementation of the initial and updated county plans.

Kenosha County

The first Kenosha County land records modernization plan is documented in SEWRPC Community Assistance Planning Report No. 185, *A Plan for the Creation of an Automated Mapping and Parcel-Based Land Information System for Kenosha County*, August 1990. The plan formalized a work effort that had begun in the mid-1980s following a land information system demonstration project undertaken jointly by the Commission and Kenosha County using the Town of Randall as a demonstration area. Based on that pilot project, the initial Kenosha County plan followed the aforementioned

model for land information systems development and envisioned the completion of land and control surveys, the completion of large-scale digital topographic mapping and large-scale digital cadastral overlays, and the completion of a series of parcel-related map files of planning data. The land and control surveys and the topographic mapping in hard-copy form were completed prior to the preparation of the initial County plan.

In 1999, the Commission continued to assist in the implementation of the Kenosha County plan and the completion of the initially defined County land information system. The Commission assisted in the preparation of an updated County land records modernization plan for submittal to the Wisconsin Land Information Board. The updated plan builds upon the foundational elements of control surveys and large-scale base mapping, and emphasizes the enhancement of planning oriented data to be incorporated into the land information system. Work was also initiated on the County's 1999 topographic mapping program. Administered by the Commission, this project involves the extension of the coverage of new large-scale topographic mapping over another eight square miles in the County.

The initial land information system was completed for the entirety of Kenosha County in 1995. The system includes automated base mapping, cadastral overlays, and planning and zoning overlays for an area of approximately 278 square miles, containing nearly 60,000 ownership parcels. During 1996, Kenosha County undertook the maintenance and updating of the digital cadastral and zoning map files and related hard-copy maps contained in the County land information system. This ongoing effort will involve updating files as necessary and maintenance in a current condition of the digital data for all land information system applications.

Milwaukee County

The first Milwaukee County land records modernization plan is documented in SEWRPC Community Assistance Planning Report No. 177, *Feasibility Study for a Milwaukee County Automated Mapping and Land Information System*, October 1989. The plan proposed the creation of an automated digital mapping base for the entire County based upon Commission-recommended control survey and mapping specifications. The mapping was intended to build upon historical base mapping efforts carried out by Milwaukee County, the Milwaukee Metropolitan Sewerage District, a number of the cities

and villages in the County, and the Commission. The Milwaukee County plan also proposed the creation of a public-private partnership to jointly develop, own, and manage the automated base map.

A number of major steps have been taken to implement the Milwaukee County land information system plan. These steps include the execution in 1990 of a cooperative agreement between Milwaukee County, Wisconsin Bell (now known as Ameritech), the Wisconsin Electric Power Company, and the Wisconsin Gas Company (now known as Wisconsin Gas, A WICOR Company) to jointly develop and maintain the recommended land information system. During 1993, an addendum to the cooperative agreement was executed that added the Milwaukee Metropolitan Sewerage District as a full partner in the development and management of the land information system. The development of that system, known by the acronym MCAMLIS, is being overseen by a Steering Committee, which in turn has contracted with the Commission to provide for the day-to-day technical management of the program.

The MCAMLIS work program, as refined in an implementation study completed in 1991, envisions the completion of land surveys and remonumentation of all U.S. Public Land Survey corners and quarter-section corners in the County, as well as the completion of high-order horizontal and vertical control surveys of these corners. The work program also envisions the completion of large-scale digital and hard-copy topographic and cadastral overlay mapping. In addition, the work program calls for the creation of a data set containing address information for structures and parcels identified in the mapping program. Prior to 1992, all recommended land and control survey work had been completed and steps had been undertaken to prepare the digital topographic base mapping and cadastral overlays.

During 1999, a number of major steps were taken toward completion of the MCAMLIS-recommended work program. Work was completed on two projects that involved the collection and verification of street address information, thereby extending the MCAMLIS street address data base begun in 1996. Work continued on two projects being carried out jointly by the Commission and the City of Milwaukee. The first project involves the transformation of existing City digital cadastral map files to conform to current control survey information, and the second project involves the preparation of new digital and hard-copy cadastral mapping for three areas together encompassing about

10 square miles within the City of Milwaukee. In addition, work was initiated on a project that involves the preparation of new large-scale digital and hard-copy topographic mapping for a 25-square-mile area in the southeastern part of Milwaukee County. Finally, the Commission staff began work on updating the existing cadastral mapping collected under the MCAMLIS program.

Also during 1999, the Commission continued in its role of providing assistance and administration to the MCAMLIS program, preparing progress and financial reports and administering grant awards and related contracts for Wisconsin Land Information Board grant award projects. The Commission staff also assisted Milwaukee County and the MCAMLIS Steering Committee in the preparation of an updated land records modernization plan for submittal to the Wisconsin Land Information Board.

As of December 31, 1997, large-scale digital topographic base mapping and large-scale digital cadastral overlays had been completed for the entirety of Milwaukee County. Of this area, however, the cadastral mapping prepared by the Cities of Milwaukee and West Allis, encompassing an area of 135 square miles, or about 56 percent of the County, does not yet fully meet MCAMLIS standards. Nevertheless, the acquisition of large-scale, high-quality map products over an extensive portion of the County represents one of the more significant accomplishments to date of the MCAMLIS project.

Ozaukee County

The first Ozaukee County land records modernization plan was completed in 1992. The plan is documented in SEWRPC Community Assistance Planning Report No. 142, *A Land Information System Plan for Ozaukee County*, April 1992. The plan builds upon prior limited topographic base mapping efforts completed to Commission-recommended specifications. More specifically, the plan envisions the completion of land and control surveys for the County, the completion of topographic base mapping at a scale of one inch equals 200 feet, and the completion of complementary cadastral overlay mapping at a scale of one inch equals 200 feet. Ozaukee County recently updated its land information system plan for submittal to the Wisconsin Land Information Board.

The Commission worked with Ozaukee County and the City of Mequon in developing an initial project to facilitate the implementation of the initial County

land information system plan. The project involved the conduct of land and control surveys and digital topographic base mapping for an area of approximately 46 square miles, encompassing most of the City of Mequon, all of the Village of Thiensville, and that portion of the Village of Bayside lying within the County. This project was completed in 1994.

Following completion of the Mequon project, the Ozaukee County Land Information Office assumed full responsibility for carrying out additional projects to complete implementation of the initial County land information system plan.

Racine County

The first Racine County land records modernization plan is documented in SEWRPC Community Assistance Planning Report No. 194, *A Land Information System Plan for Racine County*, August 1991. The plan built upon control survey and conventional base mapping work completed by Racine County based upon Commission-recommended mapping specifications. Indeed, Racine County was the first county within the Region to complete the Commission-recommended control survey and topographic mapping program, in 1976. The Racine County plan recommended the completion of land and control surveys, which were actually completed prior to the preparation of the plan. In addition, the plan recommended that conventional large-scale topographic maps that were completed for the entirety of the County be converted to digital format, and that digital cadastral overlay mapping be prepared to complement the topographic mapping. The plan calls for the completion of an initial series of planning-related digital files, including parcel ownership, land use, soils, and zoning data. Finally, the plan recommended the establishment of a computerized image indexing, storage, retrieval, transmittal, and copying system in the County Register of Deeds office.

The Racine County land information system plan was updated in 1999 to reiterate the plan objectives of control surveys accompanied by large-scale base mapping, and emphasized the development of a variety of planning-related data to be accessed by users of the County land information system. The Commission staff assisted Racine County in the preparation of the updated plan for submittal to the Wisconsin Land Information Board.

In 1999, the Commission assisted Racine County in a number of activities toward complete implementation of the initial and revised Racine County land informa-

tion system plans. Work was completed on the County's January 1995 WLIB grant award project that resulted in the acquisition of large-scale digital and hard-copy cadastral mapping, planimetric mapping, and zoning-related mapping for a portion of the County. One topographic mapping project initiated in 1997 was completed during 1999, adding 12 square miles of large-scale base mapping to the area of completed mapping in the County. Work continued on a second project, begun in 1998 and involving large-scale topographic mapping covering 12 square miles, and a third project that will involve the acquisition of large-scale topographic maps for a 10-square-mile area was initiated. Work was completed during 1999 on a planimetric and zoning district mapping project that involved the acquisition of data on land features and zoning boundaries for the eastern portion of the County. Two similar projects, both of which originated from WLIB grant awards and which will involve the completion of digital cadastral, planimetric, and zoning-related mapping in the western portion of Racine County, were continued during 1999.

Also during 1999, Commission staff continued to provide technical assistance to Racine County by attending the County's regularly scheduled CORAGIS Advisory Committee meetings.

Walworth County

The first Walworth County land records modernization plan is documented in SEWRPC Community Assistance Planning Report No. 139, *A Land Information System Plan for Walworth County*, September 1991. The plan builds upon prior limited topographic base mapping efforts completed by local units of government within the County to Commission-recommended specifications. Specifically, the plan envisions the completion of land and control surveys for all U.S. Public Land Survey corners in the County, and the completion of digital and hard-copy topographic base mapping and complementary cadastral overlay mapping. The plan also calls for the creation of an automated tract index for land records modernization purposes.

The Walworth County land records modernization plan was updated in 1999 with the assistance of the Commission staff for submittal to the Wisconsin Land Information Board. The updated plan focuses on the completion of land and control surveys with attendant large-scale topographic and cadastral base mapping, and outlines the development of planning-related information to be added to the County land information system.

In 1999, the Commission and the County worked on several projects that contributed to the implementation of the Walworth County plan. Work was finished on the County's 1997 WLIB grant award project, which involved the completion of land and control survey work for a 15-square-mile area in the Town of Walworth. Two projects involving the extension of the coverage of land and control surveys and large-scale digital topographic and cadastral mapping of the Delavan Lake area and the Village of Fontana-on-Geneva Lake area were continued. Work was started on two similar projects that involve the preparation of large-scale digital cadastral mapping of the Towns of Darien and Sharon areas. Work was also initiated on two projects that will result in the acquisition of large-scale digital topographic and cadastral mapping of the Cities of Delavan and Elkhorn and environs; the latter project will also involve land and control surveys.

Washington County

The first Washington County land records modernization plan was completed in 1992, and is documented in SEWRPC Community Assistance Planning Report No. 184, *A Land Information System Plan for Washington County*, March 1992. Building upon prior topographic base mapping efforts completed to Commission-recommended specifications, the plan calls for the completion of land and control surveys for all U.S. Public Land Survey corners in the County. In addition, the plan envisions the completion of topographic maps in digital and hard-copy formats at a scale of one inch equals 200 feet, as well as the completion of digital and hard-copy cadastral mapping at a similar scale. Washington County recently updated its land records modernization plan for submittal to the Wisconsin Land Information Board.

In 1999, the Commission assisted Washington County in effecting the implementation of the County plan. Work was completed on a vertically integrated project involving the acquisition of digital and hard-copy topographic mapping, digital terrain model files, and digital and hard-copy cadastral mapping for an area encompassing the Village of Slinger and environs. A land survey project covering 90 U.S. Public Land Survey System corners in the Towns of Kewaskum and Wayne was completed. Work was also completed on an extensive horizontal control survey project carried out for 611 U.S. Public Land Survey System corners in the County. In addition, the Commission completed a project with the Town of Erin that resulted in the preparation of digital and hard-copy maps setting forth land use, soil suitability, wildlife

habitat, slopes, and selected natural resource information for the Town.

Waukesha County

The first Waukesha County land records modernization plan is documented in SEWRPC Community Assistance Planning Report No. 193, *A Land Information System Plan for Waukesha County*, April 1991. The plan built upon prior topographic and cadastral base mapping efforts completed to Commission-recommended specifications by the local units of government concerned and the Commission. More specifically, the plan envisions the completion of land and control surveys to locate and remonument all U.S. Public Land Survey corners and quarter-section corners in the County. The plan also recommends the completion of large-scale digital and hard-copy topographic mapping, and the conversion to digital format of the approximately 60 percent of the County for which topographic mapping had been previously completed. Finally, the plan recommends the completion of large-scale digital cadastral overlay mapping, and further recommends that the existing hard-copy cadastral maps that had been completed by local municipalities be converted to digital form over time. Waukesha County recently updated its land records modernization plan for submittal to the Wisconsin Land Information Board.

In 1999, the Commission assisted Waukesha County with several projects that furthered implementation of the County land information system plan. Three projects involving large-scale cadastral mapping were completed during the year. The first project resulted in the acquisition of digital and hard-copy cadastral mapping with metadata reports for a 72-square-mile area covering the Towns of Delafield and Merton and environs. The two other cadastral mapping projects involved the preparation of one-inch>equals-100-feet-scale and one-inch>equals-200-feet-scale digital and hard-copy maps and metadata for the Oconomowoc-Summit area. Work was continued in 1999 on two projects involving large scale topographic mapping covering certain areas in western Waukesha County. The first project will involve the extension of the coverage of completed digital topographic mapping over another 34 square miles in the County. With the assistance of the Commission, the second project was revised to call for the preparation of selected planimetric, contour-line, and terrain model mapping to fit a new model for digital map coverage in Waukesha County.

ADMINISTRATIVE SERVICES DIVISION

DIVISION FUNCTIONS

The Commission's Administrative Services Division performs a number of functions supportive of the work of all of the other Commission divisions. These functions include financial management, consisting of accounting, bookkeeping, and budget control; personnel management and the implementation of affirmative action and equal opportunity programs; grant-in-aid procurement; purchasing and clerical support; and the sale and distribution of publications.

FINANCIAL MANAGEMENT AND PLANNING

One of the most important functions of the Division is management of the Commission's financial affairs. This includes maintaining a fund accounting system, preparing Commission payrolls, and processing accounts receivable and payable. Through the computerized accounting system, monthly financial management reports are prepared, including budget control, cash flow, and quarterly Treasurer's reports. These reports are utilized by the Commission, its committees, and its Executive Director to ensure that the financial integrity of the Commission is maintained.

The Division is also responsible for ensuring that financial institutions controlled by members of minority groups receive a fair share of the Commission's business. This task was continued during 1999 by maintaining a trust account with a minority-controlled bank within the Commission's service area. In addition, the Commission has established a business enterprise program, including the completion, maintenance, and expansion of a list of disadvantaged- and women-owned businesses which are contacted as potential Commission vendors.

The Division is also responsible for assisting the Executive Director in preparing the Commission annual budget. With the help of this document and an accompanying federally required overall work program, the Commission is able to plan and organize its work effort from a sound financial basis.

PERSONNEL ADMINISTRATION

Personnel recruitment, testing, and selection are centered in the Administrative Services Division. During 1999, the Commission continued to make progress in carrying out a comprehensive equal employment opportunity program in the areas of recruitment, employment, promotion, transferring, and training. Action was taken to better monitor applicant flow in order to gauge progress in attracting minority applicants as required in the affirmative action program. Efforts were continued toward attracting qualified minority and women applicants during the year.

GRANT-IN-AID PROCUREMENT

Along with accounting for the Federal, State, and local funds received to operate the Commission, the Division is responsible for Federal and State grant application preparation. This includes completing the necessary application forms, including supporting narratives describing proposed work programs, preparing budgets to carry out the work programs, and assisting in obtaining final grant approval. These grants provide a substantial portion of the working capital required to carry out the Commission's overall work program.

The Division also processes any claims for reimbursement of expenses incurred under each grant contract, prepares detailed financial status reports as required by Federal and State funding agencies, and maintains detailed financial records for audit by grantor agencies.

The Commission's annual overall work program, a document, as noted above, required by Federal regulation, is also prepared with the assistance of the Division. This report is an important vehicle for securing Federal and State grants-in-aid, and serves as a guide to the financial management of the Commission.

PURCHASING AND CLERICAL SUPPORT

The Administrative Services Division provides the Commission with purchasing services and clerical staff

support in the typing of reports, in addition to the typing of routine and specialized correspondence.

SALE AND DISTRIBUTION OF PUBLICATIONS

During 1999, the Division distributed a total of 42,915 copies of Commission publications. These included the following: 11 prospectuses, 263 planning reports, 273 amendments to planning reports, 65

technical reports, 2,244 community assistance planning reports, 473 memorandum reports, eight technical records, 596 annual reports, 4,577 newsletters, 34,190 community economic profiles, 134 transportation improvement programs, two overall work programs, and 79 planning guides. In addition, the Division distributed 5,736 aerial photographs, 42 soils maps, 509 topographic maps, 2,292 control survey station dossiers and control survey summary diagrams, and 47 maps from the Commission's base map series.

APPENDICES

Appendix A

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION COMMISSIONERS AND COMMITTEES: 1999

COMMISSIONERS	Term Expires	COMMITTEES
KENOSHA COUNTY		EXECUTIVE COMMITTEE
*** Leon T. Dreger	2000	Thomas H. Buestrin, Chairman
* Thomas J. Gorlinski.....	2004	William R. Drew, Vice-Chairman
** Sheila M. Siegler	2004	Duane H. Bluemke
MILWAUKEE COUNTY		Daniel J. Diliberti
** Daniel J. Diliberti	2004	Robert F. Hamilton
*** William R. Drew, Vice-Chairman	2002	Jean M. Jacobson
* William Heinemann.....	2002	Allen L. Morrison
OZAUKEE COUNTY		Daniel S. Schmidt
* Leroy A. Bley.....	2002	Sheila M. Siegler
** Thomas H. Buestrin, Chairman	2002	
*** Gustav W. Wirth, Jr.	2000	
RACINE COUNTY		ADMINISTRATIVE COMMITTEE
*** Richard A. Hansen	2004	Sheila M. Siegler, Chairman
** Martin J. Itzin	2000	Allen L. Morrison, Vice-Chairman
* Jean M. Jacobson, Secretary	2002	Duane H. Bluemke
WALWORTH COUNTY		Thomas H. Buestrin
*** Anthony F. Balestrieri.....	2000	William R. Drew
* Allen L. Morrison, Treasurer.....	2000	Richard A. Hansen
** Robert J. Voss.....	2002	Jean M. Jacobson
WASHINGTON COUNTY		Daniel S. Schmidt
*** Lawrence W. Hillman	2000	Paul G. Vrakas
** Daniel S. Schmidt.....	2004	Gustav W. Wirth, Jr.
* Patricia A. Strachota.....	2002	
WAUKESHA COUNTY		INTERGOVERNMENTAL AND PUBLIC RELATIONS COMMITTEE
*** Duane H. Bluemke	2004	Daniel J. Diliberti, Chairman
* Robert F. Hamilton	2000	Thomas J. Gorlinski, Vice-Chairman
** Paul G. Vrakas.....	2004	Leroy A. Bley
* Elected by County Board or appointed by County Executive and confirmed by County Board.		Thomas H. Buestrin
** Appointed by the Governor from a County-supplied list of candidates.		Robert F. Hamilton
*** Appointed by the Governor on his own motion without reference to any County-supplied list.		Jean M. Jacobson
		Allen L. Morrison
		Patricia A. Strachota
		Robert J. Voss
		PLANNING AND RESEARCH COMMITTEE
		Daniel S. Schmidt, Chairman
		Duane H. Bluemke, Vice-Chairman
		Anthony F. Balestrieri
		Thomas H. Buestrin
		Daniel J. Diliberti
		Leon T. Dreger
		Richard A. Hansen
		William Heinemann
		Lawrence W. Hillman
		Martin J. Itzin
		Allen L. Morrison
		Patricia A. Strachota
		Robert J. Voss
		Paul G. Vrakas
		Gustav W. Wirth, Jr.



Appendix B

COMMISSION ADVISORY COMMITTEES: 1999

TECHNICAL COORDINATING AND ADVISORY COMMITTEE ON REGIONAL AIRPORT SYSTEM PLANNING

Duane H. Bluemke.....Commissioner, Southeastern
Chairman Wisconsin Regional Planning Commission
Philip C. Evenson.....Executive Director, Southeastern
Secretary Wisconsin Regional Planning Commission
C. Barry Bateman.....Airport Director, General Mitchell
International Airport
Wayde B. Buck.....Airport Director, Kenosha Regional Airport
John B. Capelle.....Director of Community Development,
City of West Bend
Robert S. Demski.....Owner, Sylvania Airport, Town of Yorkville
Major Steven Fcrd.....Base Civil Engineer,
Wisconsin National Guard
Thomas J. Gorlinski.....Supervisor, Kenosha County Board
William Heinemann.....Director of Public Works,
Milwaukee County
Glenn S. Januska.....Airport Manager, Waukesha County-Crites Field
Robert W. Kunkel.....Director, Bureau of Aeronautics,
Wisconsin Department of Transportation
N. David Mann.....Vice President and Airport Manager,
Batten Airport, Racine
George E. Melcher.....Director, Office of Planning and Development,
Kenosha County
Paul E. Milewski.....Director of Community Development,
City of Oak Creek
Daniel J. Millenacker.....Airport Planner, U.S. Department of Transportation,
Federal Aviation Administration
Lois Mitchell.....Owner, Capitol Airport, City of Brookfield
John C. Spielmann.....City Planner and Director of Development,
City of Hartford
Randy L. Tetzlaff.....Community Economic Development Agent,
University of Wisconsin-Extension,
Ozaukee County
Earl E. Vorpagel, Jr.....Former Chairman, Airport Commission,
City of Burlington
Randall E. WadeChief of Statewide System Planning,
Bureau of Planning, Division of Transportation,
Investment Management, Wisconsin
Department of Transportation
Kenneth L. Witt.....Administrator, Village of East Troy

KENOSHA COUNTY JURISDICTIONAL HIGHWAY PLANNING COMMITTEE

Frederick J. Patrie.....Director of Public Works,
Chairman Kenosha County
Philip C. Evenson.....Executive Director, Southeastern
Secretary Wisconsin Regional Planning Commission
John M. AntaramianMayor, City of Kenosha
Nickolas E. ArnoldAdministrator, City of Kenosha
Shirley BoeningChairman, Town of Salem
Shirley B. DavidsonChairman, Town of Bristol
Michael J. FaberPresident, Village of Silver Lake
Leslie J. FafardDistrict Director, Wisconsin
Department of Transportation
Carol J. FischerChairman, Town of Somers
Raymond A. Forgianni, Jr.Director of City Development,
City of Kenosha
Lauren A. Fox.....Chairman, Town of Randall
Thomas L. FrankPlanning and Research Engineer,
Federal Highway Administration,
U.S. Department of Transportation
C. LeRoy GuyPresident, Village of Twin Lakes
Thomas W. Kerkman.....Chairman, Kenosha County
Highway and Parks Committee;
Chairman, Town of Brighton
George E. Melcher.....Director, Office of Planning and
Development, Kenosha County
Michael R. PollocoffAdministrator, Village of Pleasant Prairie
Joseph Riesselman.....Acting President, Village of Paddock Lake
Donald SmitzChairman, Town of Wheatland
August Zirbel, Jr.Chairman, Town of Paris

RACINE COUNTY JURISDICTIONAL HIGHWAY PLANNING COMMITTEE

Glenn M. LamparkDirector of Public Works,
Chairman Racine County
Philip C. EvensonExecutive Director, Southeastern
Acting Secretary Wisconsin Regional Planning Commission
Gary J. BeckChairman, Town of Rochester
Arnold L. ClementDirector of Planning and Development,
Racine County
Joseph S. ClementiChairman, Town of Mt. Pleasant
Leslie J. FafardDistrict Director, Wisconsin
Department of Transportation
Thomas L. FrankPlanning and Research Engineer,
Federal Highway Administration,
U.S. Department of Transportation
Richard J. FurstTrustee, Village of Wind Point
William J. HasseyChairman, Town of Norway
Alan W. JaspersonChairman, Town of Raymond
Richard M. JonesCommissioner of Public Works,
City of Racine
Gerald M. KaulChairman, Town of Burlington
Roger E. KiefferPresident, Village of Rochester
Dennis KornwolfChairman, Town of Caledonia
Robert E. LangmesserChairman, Town of Waterford
Michael LeiderPresident, Village of Union Grove
Thomas P. LembeckeChairman, Town of Dover
Richard A. LinsmeierDirector of City Development,
City of Racine
Dennis C. MahoneyPresident, Village of North Bay
Cecil F. MehringManager of Planning and
Engineering Services,
Public Works Division,
Racine County
Carolyn A. MilkiePresident, Village of Sturtevant
Frank A. MillerPresident, Village of Elmwood Park
James E. MoyerChairman, Town of Yorkville
Robert B. TindallPresident, Village of Waterford

OZAUKEE COUNTY JURISDICTIONAL HIGHWAY PLANNING COMMITTEE

Robert R. DreblowHighway Commissioner,
Chairman Ozaukee County
Philip C. EvensonExecutive Director, Southeastern
Acting Secretary Wisconsin Regional Planning Commission
James W. CouttsMayor, City of Cedarburg
Anthony R. DepiesCity Engineer,
City of Port Washington
Donald DohrwardtPresident, Village of Fredonia
Leslie J. FafardDistrict Director, Wisconsin
Department of Transportation
Thomas L. FrankPlanning and Research Engineer,
Federal Highway Administration,
U.S. Department of Transportation
Sandra F. GarbarekPresident, Village of Saukville
Robert M. GehrkePublic Works Supervisor/
Weed Commissioner,
Village of Thiensville
Terry HoffmanChairman, Town of Saukville
Frederick KaulChairman, Ozaukee County
Highway Committee
Francis J. KlecknerChairman, Town of Belgium
Richard J. LeachPresident, Village of Grafton
Richard MuellerChairman, Town of Fredonia
Christine NuernbergMayor, City of Mequon
Kenneth A. RoellHighway Commissioner/
Town Engineer,
Town of Cedarburg
Neal F. RosenbergChairman, Town of Grafton
Lee E. SchlevogtChairman, Town of Port Washington
Donald J. SchommerPresident, Village of Belgium

**WALWORTH COUNTY
JURISDICTIONAL HIGHWAY PLANNING COMMITTEE**

Benjamin J. Coopman, Jr., P.E. Highway Commissioner, Walworth County
Chairman
Philip C. Evenson.....Executive Director, Southeastern
Acting Secretary Wisconsin Regional Planning Commission
James R. Bilskey.....Chairman, Town of Darien
Gary W. Boden City Manager, City of Whitewater
David Bollweg.....Chairman, Town of Linn
Michael DiBenedetto.....Chairman, Town of Sharon
Maureen C. Fahey Chairman, Town of Delavan
Thomas L. Frank Planning and Research Engineer,
Federal Highway Administration,
U.S. Department of Transportation
Edward J. Friede.....Systems Planning Manager, District 2,
Wisconsin Department of Transportation
David Heilmeier Chairman, Town of LaGrange
Michael Hornby President, Village of Sharon
Joseph F. Kopecky Chairman, Town of Geneva
Richard Lauderdale Chairman, Town of LaFayette
William Loesch President, Village of East Troy
William R. Mangold.....Chairman, Town of Lyons
Kenneth Monroe Supervisor, Town of Bloomfield
Clayton O. Montez Chairman, Town of East Troy
Paul Ormson Mayor, City of Elkhorn
James M. Parker President, Village of Genoa City
Pauline A. Parker Supervisor, Walworth County Board; Chairman,
Walworth County Transportation & Parks Committee
David A. Rasmussen President, Village of Walworth
Wayne Redenius Chairman, Town of Richmond
Robert W. Sandy President, Village of Fontana-on-Geneva Lake
James C. Simons Chairman, Town of Spring Prairie
James W. Stadler City Administrator, City of Lake Geneva
James Stute Supervisor, Town of Troy
James Van Dreser Chairman, Town of Walworth
Loren E. Waite Chairman, Town of Sugar Creek
Mark E. Wendorf Director of Public Works, City of Delavan
Robert Wenzel President, Village of Darien
Donald Weyhrauch President, Village of Williams Bay

**WASHINGTON COUNTY
JURISDICTIONAL HIGHWAY PLANNING COMMITTEE**

Kenneth M. Pesch.....Highway Commissioner, Washington County
Chairman
Philip C. Evenson.....Executive Director, Southeastern
Acting Secretary Wisconsin Regional Planning Commission
Russell C. Abel.....Chairman, Town of Barton
Paul N. Bautzmann Chairman, Town of Hartford
Robert A. Bingen Chairman, Town of Addison
Steve L. Bruskiewicz Director of Public Works, Village of Germantown
John B. Capelle Director of Community Development,
City of West Bend
Jim Dieringer Chairman, Town of Farmington
James B. Esselmann Chairman, Town of Trenton
Edward J. Friede.....Systems Planning Manager, District 2,
Wisconsin Department of Transportation
William K. Fung Wisconsin Division Administrator,
U.S. Department of Transportation, Federal Highway Administration
Gary A. Gagnon Village Engineer, Village of Germantown
Frederick E. Gierach Supervisor, Washington County Board
Peter L. Gonnering Supervisor, Washington County Board
Walter B. Grotelueschen President, Village of Newburg
Charles J. Hargan President, Village of Germantown
Scott M. Henke Mayor, City of Hartford
Willard F. Heppé Chairman, Town of Polk
Leander Herriges Chairman, Town of Wayne
Donald O. Klug Chairman, Town of Jackson
Gerald A. Kreuser President, Village of Slinger
Paul J. Metz Chairman, Town of Germantown
Kenneth F. Miller Chairman, Washington County Board
Michael R. Miller Mayor, City of West Bend
Scott A. Mittelstaedt President, Village of Jackson
Paul E. Mueller Administrator, Washington County
Land Use and Park Department
Judith A. Neu City Engineer, City of West Bend
Scott C. Sager Chairman, Town of Kewaskum
Daniel S. Schmidt Administrator, Village of Kewaskum
Ralph F. Schulteis Chairman, Town of Richfield
John M. Smith Public Works Director, Town of West Bend
John C. Spielmann City Planner and Director of Development,
City of Hartford
Frank Volpintesta.....Chairman, Town of Erin

**WAUKESHA COUNTY
JURISDICTIONAL HIGHWAY PLANNING COMMITTEE**

Patricia K. Bartlett President, Village of Sussex
Kathryn C. Bloomberg Mayor, City of Brookfield
Richard A. Bolte Director of Transportation, Waukesha County
Harlan E. Clinkenbeard Administrator/Planner, City of Pewaukee
David L. De Angelis Mayor, City of Muskego
Leslie J. Fafard District Director, Wisconsin
Paul A. Feller Department of Transportation
Jeffery A. Flaws Director of Public Works, City of Waukesha
Raymond O. Foster, Jr. President, Village of Oconomowoc Lake
J. Thomas Foti Mayor, City of Oconomowoc
Thomas L. Frank Planning and Research Engineer,
Federal Highway Administration,
U.S. Department of Transportation
Joseph J. Greco President, Village of Menomonee Falls
Lynn Greenberg President, Village of Eagle
Hamid Hashemizadeh Director, Department of Public Works,
City of New Berlin
Keith Henderson Chairman, Town of Brookfield
Vytautas P. Janusonis Chairman, Town of Ottawa
Paul Kanter Chairman, Town of Delafield
Thomas E. Kraus Chairman, Town of Merton
David C. Lamerand President, Village of Hartland
Sharon L. Lear Chairman, Town of Genesee
Danny Martin President, Village of Lannon
Edmond McAleer Mayor, City of Delafield
Thomas L. Millard President, Village of Pewaukee
James W. Nortman President, Village of Elm Grove
Julie Swenson Petras President, Village of Nashotah
Joseph St. Thomas Chairman, Town of Oconomowoc
Gerald J. Schmitz Chairman, Town of Lisbon
Karen L. Schuh Chairman, Town of Vernon
Jennifer M. Sheffer Administrator, Village of Pewaukee
James S. Sonenberg President, Village of Big Bend
Rodney T. Stilwell Chairman, Town of Waukesha
George Stumpf President, Village of Lac La Belle
Bryce P. Styza President, Village of Chenequa
Maurice Sullivan Chairman, Town of Summit
Marian L. Veik Chairman, Town of Mukwonago
James Wagner President, Village of Mukwonago
Robert W. Weber President, Village of Merton
Joseph L. Whitmore President, Village of North Prairie
Donald Wilton Chairman, Town of Eagle
Walter J. Woloszyk President, Village of Butler
Bartley Zilk.....President, Village of Dousman

**INTERGOVERNMENTAL COORDINATING AND ADVISORY
COMMITTEE ON TRANSPORTATION SYSTEM PLANNING AND
PROGRAMMING FOR THE RACINE URBANIZED AREA**

Glenn M. Lampark Director of Public Works, Racine County
Chairman
Philip C. Evenson Executive Director, Southeastern Wisconsin Regional Planning Commission
Secretary
Janet A. Bernberg President, Village of Wind Point
James J. Blazek City Engineer, City of Racine
Melissa A. Cook Transportation Urban Planner, Transportation Section, Southeast Region, Wisconsin Department of Natural Resources
Jon D. Dederich Plan Commissioner, Village of Elmwood Park
Patrick A. DeGrave Administrator, Town of Mt. Pleasant
Joel P. Ettinger Area Director, Federal Transit Administration, U.S. Department of Transportation
Leslie J. Fafard District Director, Wisconsin Department of Transportation
William K. Fung Wisconsin Division Administrator, Federal Highway Administration, U.S. Department of Transportation
Michael J. Glasheen Transit Planner, City of Racine
Kenneth J. Leonard Director, Bureau of Planning, Division of Transportation Investment Management, Wisconsin Department of Transportation
Linda A. Lovejoy Chief, Public Transit Section, Bureau of Transit and Local Roads, Wisconsin Department of Transportation
Dennis C. Mahoney President, Village of North Bay
Carolyn A. Milkie President, Village of Sturtevant
Cheryl L. Newton Environmental Protection Specialist, Region V, U.S. Environmental Protection Agency
Michael Pjevach President, Wisconsin Coach Lines, Inc.
Mark J. Schmalz Town Engineer, Town of Caledonia

**INTERGOVERNMENTAL COORDINATING AND ADVISORY
COMMITTEE ON TRANSPORTATION SYSTEM PLANNING AND
PROGRAMMING FOR THE KENOSHA URBANIZED AREA**

Frederick J. Patrie	Director of Public Works,
Chairman	Kenosha County
Philip C. Evenson	Executive Director, Southeastern
Secretary	Wisconsin Regional Planning Commission
Melissa A. Cook	Transportation Urban Planner, Transportation
	Section, Southeast Region, Wisconsin
	Department of Natural Resources
Joel P. Ettinger	Area Director, Federal Transit Administration,
	U.S. Department of Transportation
Leslie J. Fafard .....	.....District Director, Wisconsin
William K. Fung	Department of Transportation
Frederick A. Haerter	Wisconsin Division Administrator,
	Federal Highway Administration,
	U.S. Department of Transportation
Kenneth J. Leonard	Public Service Administrator,
	City of Kenosha
Cheryl L. Newton	Director, Bureau of Planning, Division of
	Transportation Investment Management,
	Wisconsin Department of Transportation
Joseph McCarthy .....	.....Chief, Public Transit Section,
	Bureau of Transit and Local Roads,
	Wisconsin Department of Transportation
Michael Pjevach	Director, Department of
	Transportation, City of Kenosha
Michael R. Pollocoff	Environmental Protection Specialist, Region V,
	U.S. Environmental Protection Agency

**INTERGOVERNMENTAL COORDINATING AND ADVISORY
COMMITTEE ON TRANSPORTATION SYSTEM PLANNING AND
PROGRAMMING FOR THE MILWAUKEE URBANIZED AREA**

William Heinemann	Director of Public Works,
Chairman	Milwaukee County
F. Thomas Ament	Milwaukee County Executive
Richard A. Bolte	Director of Transportation, Waukesha County
Patrick T. Curley	Director, Intergovernmental Relations
	Division, City of Milwaukee
Anthony J. Czaja	Supervisor, Milwaukee County Board
Robert R. Dreblow	Highway Commissioner,
	Ozaukee County
Richard H. Halfman	Village Engineer,
	Village of Brown Deer
Steven J. Jacquot	Policy Director, Office of the Mayor,
	City of Milwaukee
Dennis M. Johnson	City Engineer, City of West Allis
Robert C. Johnson	Transit Coordinator, City of Waukesha
	Transit System Utility
James C. Kaminski	Commissioner of Public Works,
	Department of Public Works,
	City of Milwaukee
Kathryn A. Kuhn	Legislative Coordinator, Milwaukee County
LeAnn M. Launstein	Supervisor, Milwaukee County Board
Julie A. Penman	Commissioner, Department of City
	Development, City of Milwaukee
James P. Purko	City Engineer, City of Milwaukee
S. Howard Young	Engineering Administrator,
	City of Wauwatosa

Nonvoting Technical Staff Members

Philip C. Evenson	Executive Director, Southeastern
Secretary	Wisconsin Regional Planning Commission
Rodney A. Clark	Chief, State Highways and
	Local Assistance Section,
	Office of Policy and Budget,
	Wisconsin Department of Transportation
Melissa A. Cook	Transportation Urban Planner,
	Transportation Section,
	Southeast Region, Wisconsin
Joel P. Ettinger	Area Director, Federal Transit Administration,
	U.S. Department of Transportation
Leslie J. Fafard .....	.....District Director, Wisconsin
William K. Fung	Department of Transportation
	Wisconsin Division Administrator,
	Federal Highway Administration,
	U.S. Department of Transportation
Thomas P. Kujawa	Managing Director, Milwaukee
	County Transit System
Linda A. Lovejoy	Chief, Public Transit Section,
	Bureau of Transit and Local Roads,
	Wisconsin Department of Transportation
Michael Pjevach	President, Wisconsin Coach Lines, Inc.

**TECHNICAL COORDINATING AND ADVISORY COMMITTEE
ON REGIONAL TRANSPORTATION SYSTEM PLANNING**

Frederick J. Patrie	Director of Public Works, Kenosha County
Chairman	
Philip C. Evenson	Executive Director, Southeastern
Secretary	Wisconsin Regional Planning Commission
Edward A. Beimborn	Professor of Civil Engineering and Mechanics,
	University of Wisconsin-Milwaukee
Peter W. Beitzel	Vice-President of International Trade,
	Transportation, and Business Development,
	Metropolitan Milwaukee Association of Commerce
John M. Bennett .....	.....City Engineer, City of Franklin
Richard A. Bolte	Director of Transportation, Waukesha County
Benjamin J. Coopman, Jr., P.E.	Highway Commissioner, Walworth County
Robert R. Dreblow	Highway Commissioner, Ozaukee County
Lloyd L. Eagan .....	.....Director, Bureau of Air Management,
	Wisconsin Department of Natural Resources
Joel P. Ettinger .....	.....Area Director, Region V,
	Federal Transit Administration,
	U.S. Department of Transportation
Leslie J. Fafard .....	.....District Director, Wisconsin
	Department of Transportation
Paul A. Feller	Director of Public Works, City of Waukesha
Raymond A. Forgianni, Jr. ....	.....Director, Department of City Development,
	City of Kenosha
William K. Fung	Wisconsin Division Administrator,
	Federal Highway Administration,
	U.S. Department of Transportation
Michael J. Glasheen .....	.....Transit Planner, City of Racine
George E. Hall .....	.....Chief, Boundary Review Section,
	Bureau of Intergovernmental Relations,
	Wisconsin Department of Administration
William Heinemann .....	.....Director of Public Works, Milwaukee County
Thomas A. Howells	President, Wisconsin Motor Carriers Association
Steven J. Jacquot .....	.....Policy Director, Office of the Mayor,
	City of Milwaukee
Dennis M. Johnson .....	.....City Engineer, City of West Allis
Robert C. Johnson	Transit Coordinator, City of Waukesha
	Transit System Utility
Robert Kennedy .....	.....Land Use Policy Analyst,
	Citizens for a Better Environment
David A. Kuemmel .....	.....Associate Professor,
	Civil and Environmental
Thomas P. Kujawa	Engineering, Marquette University
	.....Managing Director, Milwaukee
	County Transit System
Glenn M. Lampark .....	.....Director of Public Works, Racine County
Kenneth J. Leonard .....	.....Director, Bureau of Planning, Division of
	Transportation Investment Management,
	Wisconsin Department of Transportation
Joseph McCarthy .....	.....Director, Department of Transportation,
	City of Kenosha
Kenneth M. Pesch	Highway Commissioner, Washington County
Michael Pjevach	President, Wisconsin Coach Lines, Inc.
Philip J. Scherer	Executive Director, Transportation
	Development Association of Wisconsin
Mariano A. Schifalacqua .....	.....Deputy Commissioner, Department
	of Public Works, City of Milwaukee

**TECHNICAL AND CITIZEN ADVISORY COMMITTEE ON
REGIONAL BICYCLE AND PEDESTRIAN FACILITIES SYSTEM PLANNING**

Thomas W. Meaux	Treasurer, Milwaukee County
Chairman	
Terry L. Witkowski	Safety Director, City of Milwaukee
Vice-Chairman	Police Department
Philip C. Evenson .....	.....Executive Director, Southeastern
Secretary	Wisconsin Regional Planning Commission
Paul A. Feller	Director of Public Works, City of Waukesha
Neal A. Frauenfelder .....	.....Planning Manager, Walworth County
	Department of Planning, Zoning,
	Sanitation, and Solid Waste Management
Steven S. Halmo .....	.....President, Bay View Bicycle Club
William Heinemann .....	.....Director of Public Works, Milwaukee County
Thomas P. Huber .....	.....State Bicycle and Pedestrian
	Program Coordinator, Wisconsin
	Department of Transportation
Marlin P. Johnson .....	.....Member, Ice Age Trail Committee
James W. Kavemeier .....	.....Parks Manager, Waukesha County
	Department of Parks and Land Use
Vivian M. "Kit" Keller .....	.....Policy Analyst, Bicycle Federation
	of America and Pedestrian
	Federation of America
Mary J. Lange .....	.....Engineer, City of Brookfield
Jaclyn D. Lawton .....	.....Environmental Coordinator,
	Federal Highway Administration
Randal LeClaire .....	.....Traffic Engineer, City of Kenosha
Raymond G. Meyer .....	.....Public Member, Ozaukee County

**TECHNICAL AND CITIZEN ADVISORY COMMITTEE ON
REGIONAL BICYCLE AND PEDESTRIAN FACILITIES SYSTEM PLANNING
(continued)**

Mary R. Monroe.....	Director of Public Relations, Trek Bicycle Company
Maureen A. Murphy.....	Special Projects Manager, Milwaukee County
Robert F. Pfeiffer.....	Group Manager-Projects South, District 2, Wisconsin Department of Transportation
Mark A. Piotrowicz.....	Planner, City of West Bend
Jeffrey S. Polenske.....	Traffic Control Engineer, City of Milwaukee
James P. Purko.....	City Engineer, City of Milwaukee
Sara Rottunda.....	Member, Transportation Subcommittee, Governor's Advisory Bicycle Coordinating Council
Paul S. Sandgren.....	Superintendent, Lapham Peak State Forest, Wisconsin Department of Natural Resources
William R. Waldron.....	Planning Analyst, Milwaukee County Department of Parks, Recreation and Culture

**TECHNICAL ADVISORY COMMITTEE ON COMMUTER RAILWAY FEASIBILITY
PLANNING IN THE KENOSHA-RACINE-MILWAUKEE TRAVEL CORRIDOR**

Frederick J. Patrie.....	Director of Public Works, Kenosha County Chairman
Philip C. Evenson.....	Executive Director, Southeastern Wisconsin Regional Planning Commission Secretary
Linda Bolte.....	Deputy Director for Planning, Chicago Area Transportation Study
Julie K. Brown.....	Manager of Commuter Rail Development, Union Pacific Railroad
Joel P. Ettinger.....	Area Director, Region V, Federal Transit Administration, U.S. Department of Transportation
E. Craig Faucett.....	Director of Engineering, City of Cudahy
Gary A. Foyle.....	Director of Planning and Analysis, Metra
Thomas L. Frank.....	Planning and Research Engineer, Federal Highway Administration, U.S. Department of Transportation
Edward J. Friede.....	Manager, Systems Planning Group, Wisconsin Department of Transportation, District 2
William Heinemann.....	Director of Public Works, Milwaukee County
Thomas P. Kujawa.....	Managing Director, Milwaukee County Transit System
Glenn M. Lampark.....	Director of Public Works, Racine County
Kenneth J. Leonard.....	Director, Bureau of Planning, Division of Transportation Investment Management, Wisconsin Department of Transportation
Joseph McCarthy.....	Director of Transportation, City of Kenosha
Mark R. Nordling.....	Director, Commercial Development, Canadian Pacific Railway
Mariano A. Schifalacqua.....	Deputy Commissioner, Department of Public Works, City of Milwaukee
Jack Schultz.....	City Engineer, City of St. Francis
James M. Smith.....	Mayor, City of Racine
Michael J. Sullivan.....	Design Engineer, City of Oak Creek
Kyle E. Vандеркар.....	City Engineer, City of South Milwaukee

**TECHNICAL ADVISORY COMMITTEE ON COMMUTER RAILWAY
FEASIBILITY PLANNING IN THE WALWORTH-FOX LAKE TRAVEL CORRIDOR**

Benjamin J. Coopman, Jr., P.E.....	Highway Commissioner, Walworth County
Philip C. Evenson.....	Executive Director, Southeastern Wisconsin Regional Planning Commission Secretary
David Bollweg.....	Chairman, Town of Linn
Linda Bolte.....	Deputy Director for Planning, Chicago Area Transportation Study
Joel P. Ettinger.....	Area Director, Region V, Federal Transit Administration, U.S. Department of Transportation
Gary A. Foyle.....	Director of Planning and Analysis, Metra
Thomas L. Frank.....	Planning and Research Engineer, Federal Highway Administration, U.S. Department of Transportation
Edward J. Friede.....	Manager, Systems Planning Group, Wisconsin Department of Transportation, District 2

**TECHNICAL ADVISORY COMMITTEE ON COMMUTER RAILWAY
FEASIBILITY PLANNING IN THE WALWORTH-FOX LAKE TRAVEL CORRIDOR
(continued)**

William E. Gardner.....	President, Wisconsin & Southern Railroad Company
Kenneth J. Leonard.....	Director, Bureau of Planning, Division of Transportation Investment Management, Wisconsin Department of Transportation
James M. Parker.....	President, Village of Genoa City
Pauline A. Parker.....	Supervisor, Walworth County Board; Chairman, Walworth County Transportation & Parks Committee
David A. Rasmussen.....	President, Village of Walworth
Charles Rude.....	Alderman, City of Lake Geneva
Robert W. Sandy.....	President, Village of Fontana-on-Geneva Lake
William H. Sills III.....	Secretary, Geneva Lake Area Joint Transit Commission; Member, Wisconsin River Rail Transit Commission
James Van Dreser.....	Chairman, Town of Walworth
Mark E. Wendorf.....	Director of Public Works, City of Delavan
Donald Weyhrauch.....	President, Village of Williams Bay

**TECHNICAL ADVISORY COMMITTEE ON COMMUTER RAILWAY FEASIBILITY
PLANNING IN THE BURLINGTON-ANTIOCH TRAVEL CORRIDOR**

Glenn M. Lampark.....	Director of Public Works, Racine County Chairman
Philip C. Evenson.....	Executive Director, Southeastern Wisconsin Regional Planning Commission Secretary
Lester Boehm.....	Supervisor, Town of Burlington
Shirley Boening.....	Chairman, Town of Salem
Linda Bolte.....	Deputy Director for Planning, Chicago Area Transportation Study
Alan Bryner.....	Trustee, Village of Silver Lake
A. Roger Cupps.....	Planning Supervisor, Transportation Planning, Wisconsin Department of Transportation
Joel P. Ettinger.....	Regional Director, Region V, Federal Transit Administration, U.S. Department of Transportation
Gary A. Foyle.....	Director of Planning and Analysis, Metra
Thomas L. Frank.....	Planning and Research Engineer, Federal Highway Administration, U.S. Department of Transportation
Jeannie E. Hefty.....	Mayor, City of Burlington
Glen J. Kerbs.....	Vice President, Engineering, Wisconsin Central Ltd.
Kenneth J. Leonard.....	Director, Bureau of Planning, Division of Transportation Investment Management, Wisconsin Department of Transportation
Frederick J. Patrie.....	Director of Public Works, Kenosha County
Donald Smitz.....	Chairman, Town of Wheatland
Robin J. Vos.....	Chairman, Finance Committee, Racine County Board

PIKE RIVER WATERSHED COMMITTEE

George E. Melcher.....	Director of Planning and Development, Kenosha County Chairman
James M. Turek.....	President, Mt. Pleasant Stormwater Drainage District No. 1 Vice-Chairman
Philip C. Evenson.....	Executive Director, Southeastern Wisconsin Regional Planning Commission Secretary
Michael Callewaert.....	Interim Public Works Director, Town of Mt. Pleasant
Arnold L. Clement.....	Director of Planning and Development, Racine County
Joseph S. Clementi.....	Chairman, Town of Mt. Pleasant
Carol J. Fischer.....	Chairman, Town of Somers
Raymond A. Forgianni, Jr.....	Director of City Development, City of Kenosha
Gerald L. Hebard.....	District Conservationist, U.S. Natural Resources Conservation Service, Racine County
Charles Krohn.....	Regional Water Leader, Southeast Region, Wisconsin Department of Natural Resources
Neils E. Ladine.....	Director, Division of Golf, Public Works Department, Kenosha County
Chelvadurai Manogaran.....	Associate Professor, Department of Geography, University of Wisconsin-Parkside
Carolyn A. Milkie.....	President, Village of Sturtevant
O. Fred Nelson.....	General Manager, City of Kenosha Water Utility
Charles A. Schweitzer.....	Chief Engineer, Racine Water and Wastewater Utility
Charles L. Seeger.....	County Conservationist, Racine County
Barry Thomas.....	Conservation Chairman, John Muir Chapter, Sierra Club

**DES PLAINES RIVER
WATERSHED COMMITTEE**

George E. Melcher.....Director, Office of Planning and Development, Kenosha County
Chairman
Philip C. Evenson.....Executive Director, Southeastern Wisconsin Regional Planning Commission
Secretary
Nancy C. Braker.....Director of Science and Stewardship, The Nature Conservancy
John F. Burke.....Manager, Halter Wildlife Area
Arnold L. Clement.....Director of Planning and Development, Racine County
Chairman, Town of Bristol
Carol J. Fischer.....Chairman, Town of Somers
Raymond A. Forgianni, Jr.....Director of City Development, City of Kenosha
Leonard R. Johnson.....Supervisor, Kenosha County Board; Chairman, Kenosha County Land Conservation Committee
Wayne E. Koessl.....Representative, WISPARC Corporation
Ward S. Miller.....Executive Director, Lake County Stormwater Management Commission
O. Fred Nelson.....General Manager, City of Kenosha Water Utility
Douglas J. Noble.....Supervisor, Kenosha County Board
Phillip D. Peters.....Executive Director, Northeastern Illinois Planning Commission
Gregory J. Pilarski.....Illinois Fox Basin Team Supervisor, Wisconsin Department of Natural Resources
Michael R. Pollocoff.....Administrator, Village of Pleasant Prairie
Joseph Riesselmann.....Acting President, Village of Paddock Lake
Phil H. Sander.....Member, Des Plaines Wetland Conservancy, Inc.
August Zirbel, Jr.....Chairman, Town of Paris

**TECHNICAL AND CITIZEN ADVISORY COMMITTEE ON
COASTAL MANAGEMENT IN SOUTHEASTERN WISCONSIN**

Dr. Norman P. Lasca.....Professor, Department of Geological Sciences, University of Wisconsin-Milwaukee
Chairman
Susan L. Baldwin.....Director of Parks, Recreation and Culture, Milwaukee County
Vice-Chairman
Donald M. Reed.....Chief Biologist, Southeastern Wisconsin Regional Planning Commission
Secretary
Hubert J. Albert.....Representative, Port Washington Yacht Club
E. Craig Faucett.....Director of Engineering, City of Cudahy
Mark Gottlieb.....Mayor, City of Port Washington
James C. Kaminski.....Commissioner of Public Works, Department of Public Works, City of Milwaukee
Anne Spray KinneyExecutive Director, Milwaukee Metropolitan Sewerage District
Tammy LaBordeAdministrative Coordinator, City of South Milwaukee
Gloria L. McCutcheon.....District Director, Southeast Region, Wisconsin Department of Natural Resources
Gary A. MickDirector of Environmental Services, Department of Public Works, Milwaukee County
Dr. William G. MurphyFormer Professor, Soils Mechanics, College of Engineering, Marquette University; Engineers and Scientists of Milwaukee
C. William Nelson.....Member, Great Lakes Sports Fisherman's Club
Mary C. Nelson.....City of South Milwaukee Shoreline Property Owner
Dr. William T. PainterPresident, Foundation Engineering, Inc., Milwaukee
Susan E. Robertson.....Manager, Village of Fox Point
Phil H. Sander.....Representative, Southeastern Wisconsin Sportsmen's Federation
Charles L. SeegerCounty Conservationist, Racine County
Kenneth J. Szallai.....Municipal Port Director, Port of Milwaukee

**INTERGOVERNMENTAL COORDINATING AND ADVISORY
COMMITTEE FOR THE NORTHWESTERN WAUKESHA COUNTY
SANITARY SEWERAGE SYSTEM PLAN**

Kent D. WoodsRepresentative, Town of Delafield
Chairman
Jeffery A. FlawsPresident, Village of Wales
Vice-Chairman
Philip C. EvensonExecutive Director, Southeastern Wisconsin Regional Planning Commission
Secretary
Dale W. Arenz.....Attorney, Ixonia Sanitary District No. 2
Raymond O. Foster, Jr.President, Village of Oconomowoc Lake
James W. HansenUtilities Superintendent, Village of Dousman
Robert W. HydeGeneral Manager, Delafield-Hartland Water Pollution Control Commission
Vytautas P. JanusonisChairman, Town of Ottawa
Thomas E. Kraus.....Chairman, Town of Merton
David C. LamerandPresident, Village of Hartland
Sharon L. Leair.Chairman, Town of Genesee
Richard L. MaceManager, Planning and Zoning, Waukesha County Department of Parks and Land Use
Edmond McAleerMayor, City of Delafield
William J. MielkeConsulting Engineer, City of Oconomowoc
Joseph St. ThomasChairman, Town of Oconomowoc
Jackie A. ShudaWastewater Engineer, Illinois Fox Basin Team, Wisconsin Department of Natural Resources
George StumpfPresident, Village of Lac La Belle
Maurice SullivanChairman, Town of Summit
Wallace C. ThielAdministrator, Village of Hartland
William TreudenTrustee, Village of Nashotah
Robert W. WeberPresident, Village of Merton
Gary L. WieczorekAdministrator, Village of Chenequa

**TECHNICAL ADVISORY COMMITTEE ON REGIONAL
AQUIFER PERFORMANCE SIMULATION MODELING**

Brian S. Barrett.....General Manager, Waukesha Water Utility
Chairman
Philip C. EvensonExecutive Director, Southeastern Wisconsin Regional Planning Commission
Secretary
Douglas S. CherkauerProfessor of Geology, University of Wisconsin-Milwaukee
Arnold L. Clement.....Director, Racine County Planning and Development Division
Dean Fischer.....Director of Public Works, City of Whitewater
Francis G. FujaWater Supply Municipal Engineer, Wisconsin Department of Natural Resources
Gary A. GagnonVillage Engineer, Village of Germantown
Warren A. GebertDistrict Chief, U.S. Geological Survey
Ronald G. HenningsAssistant Director, Wisconsin Geological and Natural History Survey
Terrance H. KiekhaeferManager, City of West Bend Water Utility
Thomas J. KruegerWater and Wastewater Utility Manager, Village of Grafton
Michael D. Lemcke.....Chief, Groundwater Management Section, Wisconsin Department of Natural Resources
George E. MelcherDirector, Kenosha County Office of Planning and Development
Michael P. RauManager, Marketing and Operations, Wisconsin Gas Water Services
Thomas Rossmiller.....Director of Public Works, Village of East Troy
Shuichi SasakiProduction Manager, Kikkoman Foods, Inc.
Steven H. SchultzPrincipal Engineer, Ruekert & Mielke, Inc.
Mark D. SimonWater Superintendent, City of Brookfield
Larry R. WilmsUtility Superintendent, City of New Berlin
Constance WilsonUtility Manager, Burlington Water Utility

**TECHNICAL COORDINATING AND ADVISORY
COMMITTEE ON REGIONAL LAND USE PLANNING**

Arnold L. Clement.....Director of Planning and Development, Racine County
Chairman
Harlan E. ClinkenbeardAdministrator/Planner, City of Pewaukee
Vice-Chairman
Philip C. EvensonExecutive Director, Southeastern Wisconsin Regional Planning Commission
Secretary
Susan L. BaldwinDirector of Parks, Recreation and Culture, Milwaukee County
John B. CapelleDirector of Community Development, City of West Bend
Steve CrandellDirector of Community Development, City of Waukesha

**TECHNICAL COORDINATING AND ADVISORY
COMMITTEE ON REGIONAL LAND USE PLANNING
(continued)**

Lewis R. Dixon.....Manager, Land Use Planning, WISPARC Corporation
Daniel F. Ertl.....Director of Planning and Zoning, City of Brookfield
Raymond A. Forgianni, Jr.....Director of City Development, City of Kenosha
Neal A. FrauenfelderPlanning Manager, Walworth County Department of Planning, Zoning, Sanitation, and Solid Waste Management
George E. Hall.....Chief, Boundary Review Section, Bureau of Intergovernmental Relations, Wisconsin Department of Administration
Gregory I. IgI.....District Conservationist, U.S. Natural Resources Conservation Service, Walworth County
J. David Jelinski.....Director, Land and Water Resources Bureau, Wisconsin Department of Agriculture, Trade and Consumer Protection
Robert Kennedy.....Land Use Policy Analyst, Citizens for a Better Environment
Richard A. Linsmeier.....Director of City Development, City of Racine
James J. Lynch.....Director of Community Development, Village of Shorewood
Gloria L. McCutcheon.....District Director, Southeast Region, Wisconsin Department of Natural Resources
George E. Melcher.....Director, Office of Planning and Development, Kenosha County
Paul E. Milewski.....Director of Community Development, City of Oak Creek
Paul E. Mueller.....Administrator, Washington County Land Use and Park Department
Julie A. PenmanCommissioner, Department of City Development, City of Milwaukee
Gordon Rozmus.....Director of Community Development, City of Wauwatosa
Dale R. ShaverDirector, Waukesha County Department of Parks and Land Use
Brad Lee G. Steinke.....Director of Community Development, City of Mequon
Jean M. WerbieCommunity Development Director, Village of Pleasant Prairie
Dan A. Wilson.....Community Resource Development Educator/Department Head, University of Wisconsin-Extension, Washington County
Lawrence P. Witzling.....Associate Dean of Architecture and Urban Planning, University of Wisconsin-Milwaukee

**TECHNICAL ADVISORY COMMITTEE
ON SOCIOECONOMIC STUDIES**

Philip C. Evenson.....Executive Director, Southeastern Wisconsin Regional Planning Commission
Chairman and SecretarySenior Researcher, Public Policy Forum
Jeffrey C. Browne.....President, First Citizens State Bank, Whitewater
James K. CaldwellDemographer, Demographic Services Center, Wisconsin Department of Administration
David Egan-RobertsonManager of Forecasting, Ameritech
Thomas S. Kopitzke.....Director of Business Planning, Wisconsin Electric Power Company

**TECHNICAL ADVISORY COMMITTEE
ON SOCIOECONOMIC STUDIES
(continued)**

Patrick Linnane.....Deputy Director, Milwaukee County Planning Council for Health and Human Services
Terry F. Ludeman.....Chief, Local Workforce Planning Section, Bureau of Workforce Information, Wisconsin Department of Workforce Development
Bret J. MayborneEconomic Research Director, Metropolitan Milwaukee Association of Commerce
George E. MelcherDirector, Kenosha County Office of Planning and Development
Paul E. Mueller.....Administrator, Washington County Land Use and Park Department
Helen A. Ramon.....Executive Director, Southeastern Wisconsin Area Agency on Aging
Eugene A. Schubert.....Economist, Wisconsin Department of Revenue
Mary J. Stott.....Senior Planner, Department of City Development, City of Milwaukee
Paul R. Voss.....Director, Applied Population Laboratory, University of Wisconsin-Madison
Thomas Walker.....Administrator, Division of Planning, Wisconsin Department of Transportation
Sandra M. Wysocki.....Strategic Planning Manager, Milwaukee Journal Sentinel

**TECHNICAL ADVISORY COMMITTEE FOR THE
PROTECTION AND MANAGEMENT OF NATURAL
AREAS IN SOUTHEASTERN WISCONSIN**

Donald M. ReedChief Biologist, Southeastern Wisconsin Regional Planning Commission
Dr. Kurt W. Bauer.....Former Executive Director, Southeastern Wisconsin Regional Planning Commission
John E. Bielefeldt.....Naturalist, Racine County Parks Department
Dr. Martyn J. DibbenFormer Executive Director, Schlitz Audubon Center
Andrew A. HolschbachLand Conservation Director, Ozaukee County
Marlin P. Johnson.....Associate Professor Emeritus, Department of Biological Sciences, University of Wisconsin-Waukesha Center
G. Andrew LarsenFormer Executive Director, Riveredge Nature Center, Ozaukee County
Dr. Diane S. LindsleyHorticulture Director, Milwaukee County Department of Parks, Recreation and Culture
Paul E. MatthiaeFormer Chief, Natural Areas Section, Wisconsin Department of Natural Resources-Madison
Peter E. McKeever.....Former State Director, The Nature Conservancy, Wisconsin Chapter
James P. MorrisseyLand/Facilities Supervisor, Wisconsin Department of Natural Resources-Southeast Region
Paul E. Mueller.....Administrator, Washington County Land Use and Park Department
Dr. David F. OverstreetPrincipal Investigator, Great Lakes Archaeological Research Center
Jerry A. SchwarzmeierPark Naturalist, Retzer Nature Center, Waukesha County
Dr. S. Galen SmithProfessor Emeritus, Department of Biology, University of Wisconsin-Whitewater
David W. WhiteDirector, YWCA River Bend Nature Center, Racine
Dan A. WilsonCommunity Resource Development Educator/Department Head, University of Wisconsin-Extension, Washington County

Appendix C

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION STAFF: 1999

EXECUTIVE DIVISION

Philip C. Evenson, AICP
Executive Director

Kenneth R. Yunker, PE
Assistant Director

Elaine I. Andersen
Executive Secretary

Ruth D. Jaeger
Executive Secretary

GEOGRAPHIC INFORMATION SYSTEMS DIVISION

John G. McDougall
Geographic Information Systems Manager

Thomas D. Patterson
MCAMLIS Project Manager

Paul J. Clavette
John D. Harasha
Principal Programmer/Analysts

Michael G. Gosetti
Geographic Information Systems Supervisor

Patricia L. Bouchard
GIS Application Specialist

Bradley T. Subotnik
Specialist

Jean M. Roman
David M. Schulze
Michael D. Scott
John P. Senkerik
Bradley J. Thomann
Rosemary K. Wilcenski
Andrew J. Williamson
Thomas L. Woodzick
Geographic Information Systems Technicians

ADMINISTRATIVE SERVICES DIVISION

Elizabeth A. Larsen
Administrative Officer

Marcia L. Hayd
Sandra L. Wasson
Secretaries

Kathleen A. Lisota
Bookkeeper

Sylvia Carlson
Receptionist

Robert J. Klatkiewicz
Office Clerk

LAND USE PLANNING DIVISION

William J. Stauber, AICP
Chief Land Use Planner

David A. Schilling
Principal Specialist

Timothy J. McCauley
Senior Planner

Kathryn E. Sobottke
Senior Specialist

Heather M. Petre
James P. Siegler
Planners

Jeffrey A. McVay
Nicola E. Schafer
Research Analysts

Joyce G. Pariseau
Research Aide

Wendy J. Burton-Whitcomb
Secretary

TRANSPORTATION PLANNING DIVISION

Donald R. Martinson, PE
Chief Transportation Engineer

Robert E. Beglinger
Principal Engineer

Albert A. Beck
Otto P. Dobnick
Principal Planners

John L. Zastrow
Principal Specialist

Patrick A. Pittenger
Senior Planner

Christopher T. Hiebert
David M. Jolicoeur
Engineers

Reginald L. Mason
Research Aide

Gloriann A. Gagliano
Secretary

CARTOGRAPHIC AND GRAPHIC ARTS DIVISION

Leland H. Kreblin, RLS
Chief Planning Illustrator

Nanee A. Nejedlo

B. Lynn Nowak

Donald P. Simon

Principal Planning

Draftsmen

Jean C. Johnson
James M. Kocher
Senior Planning Draftsmen

LuAnn Sakale
Christel A. Syrrakos
Planning Draftsmen

Louis L. Pezzi
Richard J. Wazny
Office Equipment Operators

Dolores M. Knezinek
Graphic Arts Technician

Scott K. Enk
Senior Editor

John T. Washburn, RLS
Senior Specialist

Stephen W. Waldorf
Land Survey Assistant

Holly V. Halbrucker
Secretary

COMMUNITY ASSISTANCE PLANNING DIVISION

Nancy M. Anderson
Monica C. Drewniany, AICP
Chief Community Assistance Planners

Richard R. Kania, AICP, RLA
Principal Planner

Jill M. Johanneck
Senior Planner

Donald P. Heckel
Planner

Joyce A. Gramz
Robbie L. Robinson
GIS Planning Specialists

ENVIRONMENTAL PLANNING DIVISION

Robert P. Biebel, PE
Chief Environmental Engineer

Donald M. Reed
Chief Specialist

Michael G. Hahn, PE
Ronald J. Printz, PE
Principal Engineers

Jeffrey A. Thornton
Principal Planner

Thomas M. Slawski
Senior Planner

LeAnn S. Colburn
Rachel E. Lang
Lawrence A. Leitner
Senior Specialists

Najoua Ksontini
Joshua A. Murray
Engineers

Christopher J. Jors
Specialist

Kathleen I. Griswold
Edward J. Schmidt
Research Analysts

Patricia M. Kokan
Secretary

ECONOMIC DEVELOPMENT PLANNING DIVISION

John R. Meland
Chief Economic Development Planner

Patrick W. Drinan
Garry M. Werra
Senior Economic Development Planners

Appendix D

PUBLICATIONS OF THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION: 1962-1999

PROSPECTUSES

Regional Planning Program, April 1962*

Root River Watershed Planning Program, March 1963*

Fox River Watershed Planning Program, October 1964*

Continuing Land Use-Transportation Study, May 1965

Milwaukee River Watershed Planning Program, September 1966*

Comprehensive Library Planning Program, April 1968

Community Shelter Planning Program, August 1968

Racine Urban Planning District Comprehensive Planning Program, November 1968

Regional Sanitary Sewerage System Planning Program, December 1968

Menomonee River Watershed Planning Program, November 1969

Comprehensive Regional Airport Planning Program, December 1969*

Regional Housing Study, December 1969

Deep Sandstone Aquifer Simulation Modeling Program, October 1972

Regional Park, Outdoor Recreation, and Related Open Space Planning Program, March 1973

Preliminary Engineering Study for the Abatement of Pollution from Combined Sewer Overflow in the Milwaukee Metropolitan Area, July 1973*

Kinnickinnic River Watershed Planning Program Prospectus, November 1974*

Regional Air Quality Maintenance Planning Program Prospectus, November 1974

Preliminary Engineering Study for the Abatement of Water Pollution in the Kenosha Urban Area, December 1975

Lake Michigan Estuary and Direct Drainage Area Subwatersheds Planning Program Prospectus, September 1978*

Milwaukee Area Primary Transit System Alternatives Analysis Prospectus, October 1978

Milwaukee Northwest Side/Ozaukee County Transportation Improvement Study Prospectus, November 1978

Milwaukee Area Work Time Rescheduling Study Prospectus, December 1978

Pike River Watershed Planning Program Prospectus, April 1979

Milwaukee Area Freeway Traffic Management System Study Prospectus, June 1979

Oak Creek Watershed Planning Program Prospectus, December 1979

Prospectus for an Energy Emergency Contingency Plan for Southeastern Wisconsin, December 1983

Milwaukee River Priority Watersheds Program Prospectus, March 1985

Stormwater Drainage and Flood Control Planning Program Prospectus for the Milwaukee Metropolitan Sewerage District, March 1985

Infrastructure Study for the Southeastern Wisconsin Region, June 1986

Milwaukee High Lake Level Impact Study Prospectus, December 1987

Prospectus for the Preparation of Coordinated Sanitary Sewer and Water Supply System Plans for the Kenosha Area, June 1988

Prospectus for the Preparation of Coordinated Sanitary Sewer and Water Supply System Plans for the Racine Area, May 1989*

Natural Area Protection and Management Planning Program Prospectus, August 1989*

Prospectus for the Preparation of a Comprehensive Plan for the Kenosha Urban Planning District, December 1990

Des Plaines River Watershed Planning Program Prospectus, September 1991

PROSPECTUSES—continued

Prospectus for a Study of Emergency Medical Services in Waukesha County, March 1992

Prospectus for the Preparation of a Sanitary Sewerage System Plan for the Northwestern Waukesha County Area, September 1993

Regional Aquifer Performance Simulation Modeling Program Prospectus, October 1998

OVERALL WORK PROGRAMS

Overall Work Program and Prospectus of the Southeastern Wisconsin Regional Planning Commission: 1976-1980, December 1975

Overall Work Program of the Southeastern Wisconsin Regional Planning Commission: 1977-1981, December 1976

Overall Work Program and Prospectus of the Southeastern Wisconsin Regional Planning Commission: 1978-1982, December 1977

Overall Work Program—1979, Southeastern Wisconsin Regional Planning Commission, October 1978

Overall Work Program—1980, Southeastern Wisconsin Regional Planning Commission, November 1979

Overall Work Program—1981, Southeastern Wisconsin Regional Planning Commission, November 1980

Overall Work Program—1982, Southeastern Wisconsin Regional Planning Commission, November 1981

Overall Work Program—1983, Southeastern Wisconsin Regional Planning Commission, October 1982

Overall Work Program—1984, Southeastern Wisconsin Regional Planning Commission, November 1983

Overall Work Program—1985, Southeastern Wisconsin Regional Planning Commission, October 1984

Overall Work Program—1986, Southeastern Wisconsin Regional Planning Commission, October 1985

Overall Work Program—1987, Southeastern Wisconsin Regional Planning Commission, September 1986

Overall Work Program—1988, Southeastern Wisconsin Regional Planning Commission, November 1987

Overall Work Program—1989, Southeastern Wisconsin Regional Planning Commission, November 1988

Overall Work Program—1990, Southeastern Wisconsin Regional Planning Commission, November 1989

Overall Work Program—1991, Southeastern Wisconsin Regional Planning Commission, November 1990

Overall Work Program—1992, Southeastern Wisconsin Regional Planning Commission, December 1991

Overall Work Program—1993, Southeastern Wisconsin Regional Planning Commission, December 1992

Overall Work Program—1994, Southeastern Wisconsin Regional Planning Commission, November 1993

Overall Work Program—1995, Southeastern Wisconsin Regional Planning Commission, November 1994

Overall Work Program—1996, Southeastern Wisconsin Regional Planning Commission, December 1995

Overall Work Program—1997, Southeastern Wisconsin Regional Planning Commission, December 1996

Overall Work Program—1998, Southeastern Wisconsin Regional Planning Commission, November 1997

Overall Work Program—1999, Southeastern Wisconsin Regional Planning Commission, October 1998

Overall Work Program—2000, Southeastern Wisconsin Regional Planning Commission, October 1999

STUDY DESIGNS

Study Design for the Continuing Regional Land Use-Transportation Study: 1970-1974*

Study Design for the Continuing Land Use-Transportation Study: 1972-1976*

Study Design for the Areawide Water Quality Planning and Management Program for Southeastern Wisconsin: 1975-1977*

Study Design for the Milwaukee Harbor Estuary Comprehensive Water Resources Planning Program, September 1981

Study Design for the Continuing Regional Land Use-Transportation Study: 1992-2000, February 1993

Waukesha County Development Plan Study Design, May 1993

Upland Environmental Corridor Protection Study Design, September 1995

PLANNING REPORTS

- No. 1 - Regional Planning Systems Study, December 1962*
- No. 2 - Regional Base Mapping Program, July 1963*
- No. 3 - The Economy of Southeastern Wisconsin, June 1963*
- No. 4 - The Population of Southeastern Wisconsin, June 1963*
- No. 5 - The Natural Resources of Southeastern Wisconsin, June 1963*
- No. 6 - The Public Utilities of Southeastern Wisconsin, July 1963*
- No. 7 - The Regional Land Use-Transportation Study
 - Volume 1 - Inventory Findings: 1963, May 1965
 - Volume 2 - Forecasts and Alternative Plans: 1990, June 1966
 - Volume 3 - Recommended Regional Land Use and Transportation Plans: 1990, November 1966*
- No. 8 - Soils of Southeastern Wisconsin, June 1966*
- No. 9 - A Comprehensive Plan for the Root River Watershed, July 1966*
- No. 10 - A Comprehensive Plan for the Kenosha Planning District
 - Volume 1 - Inventory Findings, Forecasts, and Recommended Plans, February 1967*
 - Volume 2 - Implementation Devices, February 1967*
- No. 11 - A Jurisdictional Highway System Plan for Milwaukee County, March 1969*
- No. 12 - A Comprehensive Plan for the Fox River Watershed
 - Volume 1 - Inventory Findings and Forecasts, April 1969*
 - Volume 2 - Alternative Plans and Recommended Plan, February 1970
- No. 13 - A Comprehensive Plan for the Milwaukee River Watershed
 - Volume 1 - Inventory Findings and Forecasts, December 1970*
 - Volume 2 - Alternative Plans and Recommended Plan, October 1971*
- No. 14 - A Comprehensive Plan for the Racine Urban Planning District
 - Volume 1 - Inventory Findings and Forecasts, December 1970
 - Volume 2 - The Recommended Comprehensive Plan, October 1972
 - Volume 3 - Model Plan Implementation Ordinances, September 1972
- No. 15 - A Jurisdictional Highway System Plan for Walworth County, October 1972*
- No. 16 - A Regional Sanitary Sewerage System Plan for Southeastern Wisconsin, February 1974
- No. 17 - A Jurisdictional Highway System Plan for Ozaukee County, December 1973
- No. 18 - A Jurisdictional Highway System Plan for Waukesha County, January 1974
- No. 19 - A Library Facilities and Services Plan for Southeastern Wisconsin, July 1974
- No. 20 - A Regional Housing Plan for Southeastern Wisconsin, February 1975
- No. 21 - A Regional Airport System Plan for Southeastern Wisconsin, December 1975
- No. 22 - A Jurisdictional Highway System Plan for Racine County, February 1975
- No. 23 - A Jurisdictional Highway System Plan for Washington County, October 1974*
- No. 24 - A Jurisdictional Highway System Plan for Kenosha County, April 1975
- No. 25 - A Regional Land Use Plan and a Regional Transportation Plan for Southeastern Wisconsin: 2000
 - Volume 1 - Inventory Findings, April 1975
 - Volume 2 - Alternative and Recommended Plans, May 1978
- No. 26 - A Comprehensive Plan for the Menomonee River Watershed
 - Volume 1 - Inventory Findings and Forecasts, October 1976*
 - Volume 2 - Alternative Plans and Recommended Plan, October 1976*
- No. 27 - A Regional Park and Open Space Plan for Southeastern Wisconsin: 2000, November 1977*
- No. 28 - A Regional Air Quality Attainment and Maintenance Plan for Southeastern Wisconsin: 2000, June 1980
- No. 29 - A Regional Wastewater Sludge Management Plan for Southeastern Wisconsin, July 1978*

PLANNING REPORTS—continued

No. 30 - A Regional Water Quality Management Plan for Southeastern Wisconsin: 2000
 Volume 1 - Inventory Findings, September 1978*
 Volume 2 - Alternative Plans, February 1979*
 Volume 3 - Recommended Plan, June 1979*

No. 31 - A Regional Transportation Plan for the Transportation Handicapped in Southeastern Wisconsin: 1978-1982, April 1978

No. 32 - A Comprehensive Plan for the Kinnickinnic River Watershed, December 1978*

No. 33 - A Primary Transit System Plan for the Milwaukee Area, June 1982

No. 34 - A Transportation System Plan for the Milwaukee Northwest Side/Ozaukee County Study Area, August 1983

No. 35 - A Comprehensive Plan for the Pike River Watershed, June 1983

No. 36 - A Comprehensive Plan for the Oak Creek Watershed, August 1986

No. 37 - A Water Resources Management Plan for the Milwaukee Harbor Estuary
 Volume 1 - Inventory Findings, March 1987
 Volume 2 - Alternative and Recommended Plans, December 1987

No. 38 - A Regional Airport System Plan for Southeastern Wisconsin: 2010, May 1987

No. 38 - 2nd Edition, A Regional Airport System Plan for Southeastern Wisconsin: 2010, November 1996*

No. 39 - A Freeway Traffic Management System Plan for the Milwaukee Area, November 1988*

No. 40 - A Regional Land Use Plan for Southeastern Wisconsin—2010, January 1992

No. 41 - A Regional Transportation System Plan for Southeastern Wisconsin: 2010, December 1994

No. 42 - A Regional Natural Areas and Critical Species Habitat Protection and Management
 Plan for Southeastern Wisconsin, September 1997

No. 43 - A Regional Bicycle and Pedestrian Facilities System Plan for Southeastern Wisconsin: 2010,
 December 1994

No. 45 - A Regional Land Use Plan for Southeastern Wisconsin: 2020, December 1997

No. 46 - A Regional Transportation System Plan for Southeastern Wisconsin: 2020, December 1997

PLANNING GUIDES

No. 1 - Land Development Guide, November 1963*

No. 2 - Official Mapping Guide, February 1964

No. 2 - 2nd Edition, Official Mapping Guide, June 1996

No. 3 - Zoning Guide, April 1964*

No. 4 - Organization of Planning Agencies, June 1964*

No. 5 - Floodland and Shoreland Development Guide, November 1968*

No. 6 - Soils Development Guide, August 1969*

No. 7 - Rural Cluster Development Guide, December 1996

TECHNICAL REPORTS

No. 1 - Potential Parks and Related Open Spaces, September 1965*

No. 2 - Water Law in Southeastern Wisconsin, January 1966*

No. 2 - 2nd Edition, Water Law in Southeastern Wisconsin, December 1977*

No. 3 - A Mathematical Approach to Urban Design, January 1966*

No. 4 - Water Quality and Flow of Streams in Southeastern Wisconsin, November 1966*

No. 5 - Regional Economic Simulation Model, October 1966*

No. 6 - Planning Law in Southeastern Wisconsin, October 1966*

No. 6 - 2nd Edition, Planning Law in Southeastern Wisconsin, April 1977

TECHNICAL REPORTS—continued

No. 7 - Horizontal and Vertical Survey Control in Southeastern Wisconsin, July 1968*

No. 7 - 2nd Edition, Horizontal and Vertical Survey Control in Southeastern Wisconsin, August 1990

No. 7 - 3rd Edition, Horizontal and Vertical Survey Control in Southeastern Wisconsin, August 1996

No. 8 - A Land Use Design Model
 Volume 1 - Model Development, January 1968
 Volume 2 - Model Test, October 1969
 Volume 3 - Final Report, April 1973

No. 9 - Residential Land Subdivision in Southeastern Wisconsin, September 1971

No. 10 - The Economy of Southeastern Wisconsin, December 1972*

No. 10 - 2nd Edition, The Economy of Southeastern Wisconsin, May 1984

No. 10 - 3rd Edition, The Economy of Southeastern Wisconsin, October 1995

No. 11 - The Population of Southeastern Wisconsin, December 1972*

No. 11 - 2nd Edition, The Population of Southeastern Wisconsin, June 1984

No. 11 - 3rd Edition, The Population of Southeastern Wisconsin, October 1995

No. 12 - A Short-Range Action Housing Program for Southeastern Wisconsin: 1972 and 1973, June 1972

No. 13 - A Survey of Public Opinion in Southeastern Wisconsin, September 1974

No. 14 - An Industrial Park Cost-Revenue Analysis in Southeastern Wisconsin: 1975, June 1975

No. 15 - Household Response to Motor Fuel Shortages and Higher Prices in Southeastern Wisconsin, August 1976

No. 16 - Digital Computer Model of the Sandstone Aquifer in Southeastern Wisconsin: April 1976

No. 17 - Water Quality of Lakes and Streams in Southeastern Wisconsin: 1964-1975, June 1978

No. 18 - State of the Art of Water Pollution Control in Southeastern Wisconsin
 Volume 1 - Point Sources, July 1977
 Volume 2 - Sludge Management, August 1977
 Volume 3 - Urban Storm Water Runoff, July 1977
 Volume 4 - Rural Storm Water Runoff, December 1976

No. 19 - A Regional Population Projection Model, October 1980

No. 20 - Carpooling in the Metropolitan Milwaukee Area, March 1977

No. 21 - Sources of Water Pollution in Southeastern Wisconsin: 1975, September 1978*

No. 22 - Recent Population Growth and Change in Southeastern Wisconsin: 1970-1977, September 1979

No. 23 - Transit-Related Socioeconomic, Land Use, and Transportation Conditions and Trends in the Milwaukee Area, December 1980

No. 24 - State-of-the-Art of Primary Transit System Technology, February 1981

No. 25 - Alternative Futures for Southeastern Wisconsin, December 1980

No. 26 - Milwaukee Area Alternative Primary Transit System Plan Preparation, Test, and Evaluation, March 1982

No. 27 - Milwaukee Area Work Time Rescheduling Study, August 1981

No. 28 - Evaluation of the Milwaukee Area Rideshare Program: 1972-1982, May 1983

No. 29 - Industrial Land Use in Southeastern Wisconsin, November 1984*

No. 30 - The Development of an Automated Mapping and Land Information System: A Demonstration Project for the Town of Randall, Kenosha County, Wisconsin, December 1985

No. 31 - Costs of Urban Nonpoint Source Water Pollution Control Measures, June 1991

No. 32 - General Mitchell International Airport Enplaning Passenger Survey Findings: 1989, August 1990

No. 33 - Integration of the Computer-Assisted Management and Planning System with a Parcel-Based Land Information System: A Demonstration Project in Kenosha County, September 1992

TECHNICAL REPORTS—continued

- No. 34 - A Mathematical Relationship between NAD27 and NAD83(91) State Plane Coordinates in Southeastern Wisconsin, December 1994
- No. 35 - Vertical Datum Differences in Southeastern Wisconsin, December 1995
- No. 36 - Lake Michigan Shoreline Recession and Bluff Stability in Southeastern Wisconsin: 1995, December 1997

COMMUNITY ASSISTANCE PLANNING REPORTS

- No. 1 - Residential, Commercial, and Industrial Neighborhoods, City of Burlington and Environs, February 1973
- No. 2 - Alternative Land Use and Sanitary Sewerage System Plans for the Town of Raymond: 1990, January 1974
- No. 3 - Racine Area Transit Development Program: 1975-1979, June 1974
- No. 4 - Floodland Information Report for the Rubicon River, City of Hartford, Washington County, Wisconsin, December 1974
- No. 5 - Drainage and Water Level Control Plan for the Waterford-Rochester-Wind Lake Area of the Lower Fox River Watershed, May 1975
- No. 6 - A Uniform Street Naming and Property Numbering System for Racine County, Wisconsin, November 1975*
- No. 7 - Kenosha Area Transit Development Program: 1976-1980, March 1976
- No. 8 - Analysis of the Deployment of Paramedic Emergency Medical Services in Milwaukee County, April 1976
- No. 9 - Floodland Information Report for the Pewaukee River, Village of Pewaukee, Waukesha County, Wisconsin, October 1976
- No. 9 - 2nd Edition, Floodland Information Report for the Pewaukee River, Village of Pewaukee, Waukesha County, Wisconsin, March 1985
- No. 10 - Land Use and Arterial Street System Plans, Village of Jackson, Washington County, Wisconsin, December 1976
- No. 11 - Floodland Information Report for Sussex Creek and Willow Springs Creek, March 1977*
- No. 12 - Waukesha Area Transit Development Program: 1977-1981, January 1977*
- No. 13 - Flood Control Plan for Lincoln Creek, Milwaukee County, Wisconsin, September 1977
- No. 13 - 2nd Edition, Flood Control Plan for Lincoln Creek, Milwaukee County, Wisconsin, September 1982*
- No. 14 - Floodland Management Plan for the Village of Pewaukee, February 1978
- No. 15 - Off-Airport Land Use Development Plan for General Mitchell Field and Environs: 1977, May 1977*
- No. 16 - A Plan for the Whittier Neighborhood, City of Kenosha and Town of Pleasant Prairie, Kenosha County, Wisconsin, June 1977*
- No. 17 - A Plan for the Jefferson Park Neighborhood, Village of Germantown, Washington County, Wisconsin, March 1978
- No. 18 - A Land Use Plan for the Town of Erin: 2000, July 1978*
- No. 19 - Storm Water Storage Alternatives for the Crossway Bridge and Port Washington-Bayfield Drainage Area in the Village of Fox Point, August 1977*
- No. 20 - A Rail Transportation Service Plan for the East Troy Area, September 1977
- No. 21 - A Transportation Systems Management Plan for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1978, December 1977*
- No. 22 - Alternative and Recommended Land Use Plans for the Town of Genesee: 2000, February 1978

COMMUNITY ASSISTANCE PLANNING REPORTS—continued

- No. 23 - A Park and Recreation Plan for Ozaukee County, August 1978
- No. 24 - A Park and Open Space Plan for the Village of Darien, December 1978*
- No. 25 - A Plan for the Delrock Neighborhood, City of Delavan, Walworth County, Wisconsin, January 1979*
- No. 26 - A Transportation Systems Management Plan for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1979, December 1978
- No. 27 - A Park and Open Space Plan for the Town of Eagle, April 1979
- No. 28 - Oconomowoc Area Traffic Management Plan, City of Oconomowoc, Waukesha County, Wisconsin, December 1979
- No. 29 - A Development Plan for the Quarry Ridge Neighborhood, City of Burlington, Racine County, Wisconsin, July 1979*
- No. 30 - Whitewater Area Rail Service Plan, August 1979*
- No. 31 - Waukesha Area Transit Development Program: 1981-1985, February 1980*
- No. 32 - Recommended Electronic Data Processing and Transmittal System for Criminal Justice Agencies in Southeastern Wisconsin, September 1979*
- No. 33 - A Land Use Plan for the Town of Fredonia: 2000, September 1979
- No. 33 - 2nd Edition, A Land Use Plan for the Town of Fredonia: 2010, Ozaukee County, Wisconsin, January 1999
- No. 34 - A Transportation Systems Management Plan for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1980, December 1979*
- No. 35 - Sanitary Sewer Service Area for the City of West Bend, Washington County, Wisconsin, December 1982
- No. 35 - 2nd Edition, Sanitary Sewer Service Area for the City of West Bend and Environs, Washington County, Wisconsin, June 1998
- No. 36 - A Land Use Plan for the Village of Germantown: 2000, Village of Germantown, Washington County, Wisconsin, July 1980*
- No. 37 - A Nonpoint Source Water Pollution Control Plan for the Root River Watershed, March 1980*
- No. 38 - A Land Use and Traffic Circulation Plan for the Village of Fredonia: 2000, Ozaukee County, Wisconsin, September 1980*
- No. 39 - A Public Transit System Accessibility Plan
 - Volume 1 - Kenosha Urbanized Area, June 1980
 - Volume 2 - Milwaukee Urbanized Area, Milwaukee County, May 1980
 - Volume 3 - Racine Urbanized Area, June 1980
 - Volume 4 - Milwaukee Urbanized Area, Waukesha County, June 1980
- No. 40 - Recommended Locations for Motor Vehicle Inspection and Emissions Test Facilities in the Southeastern Wisconsin Region, October 1980*
- No. 41 - A Park and Open Space Plan for the Kenosha Planning District, December 1980*
- No. 42 - A Park and Open Space Plan for the Town and Village of Pewaukee, Waukesha County, Wisconsin, October 1980
- No. 43 - A Development Plan for the Woodview Neighborhood, City of Franklin, Milwaukee County, Wisconsin, September 1980*
- No. 44 - Proposed Public Transit Service Improvements: 1980, Waukesha County, Wisconsin, July 1980*
- No. 45 - A Farmland Preservation Plan for Kenosha County, Wisconsin, June 1981*
- No. 46 - A Farmland Preservation Plan for Racine County, Wisconsin, August 1981*
- No. 47 - A Water Quality Management Plan for Lac La Belle, Waukesha County, Wisconsin, December 1980*
- No. 48 - A Water Quality Management Plan for Ashippun Lake, Waukesha County, Wisconsin, January 1982

COMMUNITY ASSISTANCE PLANNING REPORTS—continued

- No. 49 - A Land Use and Traffic Circulation Plan for the Village of Hartland: 2000, Waukesha County, Wisconsin, July 1981
- No. 50 - A Transportation Systems Management Plan for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1981, June 1981
- No. 51 - A Land Use Plan for the Village of Sussex: 2000, Waukesha County, Wisconsin, January 1982*
- No. 52 - Housing Opportunities Guide for the Southeastern Wisconsin Region, December 1980
- No. 53 - A Water Quality Management Plan for Okauchee Lake, Waukesha County, Wisconsin, August 1981
- No. 54 - A Water Quality Management Plan for North Lake, Waukesha County, Wisconsin, July 1982*
- No. 55 - A Land Use Plan for the Village of Darien: 2000, Walworth County, Wisconsin, December 1981
- No. 56 - Sanitary Sewer Service Areas for the Walworth County Metropolitan Sewerage District, August 1981
- No. 56 - 2nd Edition, Sanitary Sewer Service Areas for the Walworth County Metropolitan Sewerage District, Walworth County, Wisconsin, November 1991
- No. 57 - A Development Plan for the Forest Hills Neighborhood, City of Franklin, Milwaukee County, Wisconsin, September 1983*
- No. 58 - A Water Quality Management Plan for Pewaukee Lake, Waukesha County, Wisconsin, March 1984
- No. 59 - A Development Plan for the Whitnall Neighborhood, City of Franklin, Milwaukee County, Wisconsin, September 1985*
- No. 60 - A Water Quality Management Plan for Geneva Lake, Walworth County, Wisconsin, October 1985
- No. 61 - A Public Transportation Service Plan for Washington County, October 1981*
- No. 62 - A Traffic Circulation Plan for the West Bend Central Business District, August 1981*
- No. 63 - A Development Plan for the Echo Lake Neighborhood, City of Burlington, Racine County, Wisconsin, August 1982*
- No. 63 - 2nd Edition, A Development Plan for the Echo Lake Neighborhood, City of Burlington, Racine County, Wisconsin, August 1984*
- No. 64 - Sanitary Sewer Service Area for the City of Muskego, Waukesha County, Wisconsin, February 1982*
- No. 64 - 2nd Edition, Sanitary Sewer Service Area for the City of Muskego, Waukesha County, Wisconsin, March 1986
- No. 64 - 3rd Edition, Sanitary Sewer Service Area for the City of Muskego, Waukesha County, Wisconsin, December 1997
- No. 65 - A Public Transportation Service Plan for Walworth County, January 1982
- No. 66 - A Park and Open Space Plan for the City of New Berlin, Waukesha County, Wisconsin, October 1981
- No. 66 - 2nd Edition, A Park and Open Space Plan for the City of New Berlin, Waukesha County, Wisconsin, June 1995
- No. 67 - A Traffic Circulation Plan for Lac La Belle, Waukesha County, Wisconsin, March 1982*
- No. 68 - Upland Disposal Area Siting Study for Dredged Materials from the Port of Milwaukee, December 1981*
- No. 69 - A Land Use and Urban Design Plan for the City of Elkhorn: 2000, Walworth County, Wisconsin, January 1985
- No. 70 - Sanitary Sewer Service Area for the Village of Germantown, Washington County, Wisconsin, July 1983

COMMUNITY ASSISTANCE PLANNING REPORTS—continued

- No. 71 - A Park and Open Space Plan for the Town of Waterford, Racine County, Wisconsin, January 1990
- No. 72 - A Park and Open Space Plan for the City of Oconomowoc, Waukesha County, Wisconsin, November 1987
- No. 73 - A Shoreland Development Management Study for Racine County, Wisconsin, January 1982
- No. 74 - Kenosha County Overall Economic Development Program (OEDP) Update-1981, April 1982*
- No. 74 - 2nd Edition, Kenosha County Overall Economic Development Program (OEDP) Plan-1986 Update, September 1986
- No. 75 - A Solid Waste Management Plan for Walworth County, Wisconsin, September 1982
- No. 75 - 2nd Edition, A Solid Waste Management Plan for Walworth County, Wisconsin, December 1994
- No. 76 - A Land Use Plan for the Town and Village of Pewaukee: 2000, December 1982*
- No. 77 - A Wetland Protection and Management Plan for the City of Waukesha and Environs, February 1983*
- No. 78 - Sanitary Sewer Service Area for the City of Burlington, April 1986*
- No. 79 - Racine Area Transit System Plan and Program: 1984-1988, May 1984
- No. 80 - A Lake Michigan Public Access Study for Racine County, Wisconsin, September 1982*
- No. 81 - Hartford Area Traffic Management Plan, June 1983
- No. 82 - A Central Transfer Site Location and Design Analysis for the City of Waukesha Transit System, December 1982
- No. 83 - A Transit System Operations Analysis for the City of Waukesha Transit System, February 1983
- No. 84 - Sanitary Sewer Service Area for the Village of Sussex, Waukesha County, Wisconsin, February 1983*
- No. 84 - 2nd Edition, Sanitary Sewer Service Area for the Village of Sussex, Waukesha County, Wisconsin, September 1994
- No. 85 - A Land Use Plan for the Village of Eagle: 2000, Waukesha County, Wisconsin, September 1983
- No. 86 - A Lake Michigan Coastal Erosion Management Study for Racine County, Wisconsin, October 1982
- No. 87 - A Farmland Preservation Plan for Ozaukee County, Wisconsin, May 1983
- No. 88 - A Land Use Management Plan for the Chiwaukee Prairie-Carol Beach Area of the Town of Pleasant Prairie, Kenosha County, Wisconsin, February 1985*
- No. 89 - A Stormwater Management Plan for the Village of Sussex, Waukesha County, Wisconsin, October 1983
- No. 90 - Sanitary Sewer Service Area for the Village of Saukville, Ozaukee County, Wisconsin, September 1983
- No. 91 - Sanitary Sewer Service Area for the City of Cedarburg and the Village of Grafton, Ozaukee County, Wisconsin, May 1987
- No. 91 - 2nd Edition, Sanitary Sewer Service Areas for the City of Cedarburg and the Village of Grafton, Ozaukee County, Wisconsin, June 1996
- No. 92 - Sanitary Sewer Service Area for the City of Hartford, Washington County, Wisconsin, March 1984
- No. 92 - 2nd Edition, Sanitary Sewer Service Area for the City of Hartford and Environs, Washington County, Wisconsin, June 1995
- No. 93 - Sanitary Sewer Service Area for the Village of Hartland, Waukesha County, Wisconsin, April 1985*
- No. 94 - Sanitary Sewer Service Area for the City of Whitewater, Walworth County, Wisconsin, September 1987
- No. 94 - 2nd Edition, Sanitary Sewer Service Area for the City of Whitewater, Walworth County, Wisconsin, March 1995
- No. 95 - Sanitary Sewer Service Area for the City of Port Washington, Ozaukee County, Wisconsin, September 1983
- No. 96 - Sanitary Sewer Service Area for the Village of Fredonia, Ozaukee County, Wisconsin, July 1984

COMMUNITY ASSISTANCE PLANNING REPORTS—continued

No. 97 - Sanitary Sewer Service Area for the Village of Belgium, Ozaukee County, Wisconsin, November 1984*

No. 97 - 2nd Edition, Sanitary Sewer Service Area for the Village of Belgium, Ozaukee County, Wisconsin, June 1987

No. 97 - 3rd Edition, Sanitary Sewer Service Area for the Village of Belgium, Ozaukee County, Wisconsin, August 1993

No. 98 - A Water Quality Management Plan for Friess Lake, Washington County, Wisconsin, August 1983

No. 98 - 2nd Edition, A Lake Management Plan for Friess Lake, Washington County, Wisconsin, November 1997

No. 99 - Sanitary Sewer Service Area for the Village of Butler, Waukesha County, Wisconsin, February 1984

No. 100 - Sanitary Sewer Service Area for the City of Waukesha and Environs, Waukesha County, Wisconsin, June 1985*

No. 100 - 2nd Edition, Sanitary Sewer Service Area for the City of Waukesha and Environs, Waukesha County, Wisconsin, March 1999

No. 101 - Kenosha Area Transit System Plan and Program: 1984-1988, June 1984

No. 102 - City of Whitewater Overall Economic Development Program Plan, January 1985

No. 103 - Sanitary Sewer Service Area for the Allenton Area, Washington County, Wisconsin, September 1984

No. 104 - A Park and Open Space Plan for the City of West Bend, Washington County, Wisconsin, June 1985

No. 105 - Waukesha County Transit Plan: 1988-1992, September 1988

No. 106 - Sanitary Sewer Service Areas for the City of Kenosha and Environs, Kenosha County, Wisconsin, November 1985

No. 107 - East Moreland Boulevard Short-Range and Long-Range Highway Improvement Plan, April 1984

No. 108 - A Park and Open Space Plan for the City of Brookfield, Waukesha County, Wisconsin, August 1991

No. 109 - Sanitary Sewer Service Area for the City and Town of Brookfield and the Village of Elm Grove, Waukesha County, Wisconsin, November 1991

No. 110 - A Lake Michigan Coastal Erosion and Related Land Use Management Study for the City of St. Francis, Wisconsin, August 1984

No. 111 - Land Use and Urban Design Plan for the City of New Berlin: 2010, April 1987

No. 112 - Sanitary Sewer Service Area for the Village of East Troy and Environs, Walworth County, Wisconsin, August 1984

No. 112 - 2nd Edition, Sanitary Sewer Service Area for the Village of East Troy and Environs, Walworth County, Wisconsin, June 1993

No. 113 - Sanitary Sewer Service Area for the Town of Pewaukee Sanitary District No. 3, Lake Pewaukee Sanitary District, and Village of Pewaukee, Waukesha County, Wisconsin, June 1985*

No. 114 - Village of Shorewood Comprehensive Traffic Plan, Milwaukee County, Wisconsin, September 1984

No. 115 - A Fire Station Building Program and Site Analysis, Village of Sturtevant, Racine County, Wisconsin, September 1984

No. 116 - Milwaukee County Overall Economic Development Program Plan, October 1985

No. 117 - Washington County Overall Economic Development Program Plan, December 1985*

No. 118 - Waukesha County Overall Economic Development Program Plan, December 1985*

No. 119 - Sanitary Sewer Service Area, Village of Silver Lake, Kenosha County, Wisconsin, May 1987

No. 119 - 2nd Edition, Sanitary Sewer Service Area for the Village of Silver Lake and Environs, Kenosha County, Wisconsin, December 1998

No. 120 - A Solid Waste Management Plan for Milwaukee County, Wisconsin, July 1987*

COMMUNITY ASSISTANCE PLANNING REPORTS—continued

- No. 121 - A Stormwater Management Plan for the Village of Hales Corners, Milwaukee County, Wisconsin, March 1986
- No. 122 - A Park and Open Space Plan for the Town of Vernon, Waukesha County, Wisconsin, March 1985
- No. 123 - Sanitary Sewer Service Area for the Village of Darien, Walworth County, Wisconsin, May 1988
- No. 123 - 2nd Edition, Sanitary Sewer Service Area for the Village of Darien, Walworth County, Wisconsin, July 1992
- No. 124 - Sanitary Sewer Service Area for the Village of Jackson, Washington County, Wisconsin, May 1985
- No. 124 - 2nd Edition, Sanitary Sewer Service Area for the Village of Jackson and Environs, Washington County, Wisconsin, September 1997
- No. 125 - A Transportation Plan for the Village of Germantown: 2000, Washington County, Wisconsin, October 1985
- No. 126 - A Development Plan for Kenosha County, Wisconsin, Volume One, Inventory Findings, May 1987
- No. 127 - Sanitary Sewer Service Area for the City of Delafield and the Village of Nashotah and Environs, Waukesha County, Wisconsin, November 1992
- No. 128 - Sanitary Sewer Service Area for the Village of Slinger, Washington County, Wisconsin, November 1985
- No. 128 - 2nd Edition, Sanitary Sewer Service Area for the Village of Slinger, Washington County, Wisconsin, September 1993
- No. 128 - 3rd Edition, Sanitary Sewer Service Area for the Village of Slinger and Environs, Washington County, Wisconsin, December 1998
- No. 129 - A Solid Waste Management Plan for Kenosha County, Wisconsin, May 1989
- No. 130 - A Stormwater Drainage and Flood Control Policy Plan for the Milwaukee Metropolitan Sewerage District, March 1986*
- No. 131 - A Park and Open Space Plan for Kenosha County, November 1987*
- No. 132 - A Park and Open Space Plan for Milwaukee County, November 1991
- No. 133 - A Park and Open Space Plan for Ozaukee County, July 1987
- No. 134 - A Park and Open Space Plan for Racine County, September 1988
- No. 135 - A Park and Open Space Plan for Walworth County, February 1991
- No. 136 - A Park and Open Space Plan for Washington County, March 1989
- No. 136 - 2nd Edition, A Park and Open Space Plan for Washington County: 2010, August 1997
- No. 137 - A Park and Open Space Plan for Waukesha County, December 1989*
- No. 138 - A Development Plan for the Franklin Industrial Park Neighborhood, City of Franklin, Milwaukee County, Wisconsin, July 1988
- No. 139 - A Land Information System Plan for Walworth County, September 1991
- No. 140 - A Park and Open Space Plan for the Town of Jackson, Washington County, Wisconsin, September 1986
- No. 141 - Sanitary Sewer Service Area for the Waterford/Rochester Area, Racine County, Wisconsin, May 1986
- No. 141 - 2nd Edition, Sanitary Sewer Service Area for the Waterford/Rochester Area, Racine County, Wisconsin, April 1996
- No. 142 - A Land Information System Plan for Ozaukee County, April 1992
- No. 143 - Sanitary Sewer Service Area for the Town of Salem Utility District No. 2, Kenosha County, Wisconsin, February 1986
- No. 144 - A Development Plan for the City of Cedarburg: 2010, February 1991*

COMMUNITY ASSISTANCE PLANNING REPORTS—continued

- No. 145 - Sanitary Sewer Service Area for the Town of Salem Utility District No. 1, Village of Paddock Lake, and Town of Bristol Utility District Nos. 1 and 1B, Kenosha County, Wisconsin, October 1986
- No. 146 - A Wildlife Habitat Management Plan for the Nicholson Wildlife Center, Town of Caledonia, Racine County, Wisconsin, May 1986*
- No. 147 - Sanitary Sewer Service Area for the City of Racine and Environs, Racine County, Wisconsin, November 1986
- No. 148 - A Park and Open Space Plan, Village of Walworth, Walworth County, Wisconsin, November 1986
- No. 149 - Sanitary Sewer Service Area, Village of Twin Lakes, Kenosha County, Wisconsin, May 1987
- No. 150 - A Rapid Transit Facility Plan for the Milwaukee Northwest Corridor, January 1988
- No. 151 - A Transportation System Plan for the Blue Mound Road (USH 18) Corridor, December 1987
- No. 152 - A Stormwater Drainage and Flood Control System Plan for the Milwaukee Metropolitan Sewerage District, December 1990*
- No. 153 - Traffic Management and Control Plan for the Village of Whitefish Bay, July 1988
- No. 154 - A Transit System Development Plan for the City of Waukesha: 1988-1992, December 1989*
- No. 155 - A Lake Michigan Shoreline Erosion Management Plan for Northern Milwaukee County, Wisconsin, December 1988
- No. 156 - Waukesha County Animal Waste Management Plan, August 1987
- No. 157 - Sanitary Sewer Service Area, City of New Berlin, Waukesha County, Wisconsin, November 1987*
- No. 158 - Sanitary Sewer Service Area for the Town of Lyons Sanitary District No. 2, Walworth County, Wisconsin, November 1987
- No. 158 - 2nd Edition, Sanitary Sewer Service Area for the Town of Lyons Sanitary District No. 2, Walworth County, Wisconsin, August 1993
- No. 159 - Waukesha County Agricultural Soil Erosion Control Plan, June 1988
- No. 160 - Racine County Agricultural Soil Erosion Control Plan, July 1988
- No. 161 - Sanitary Sewer Service Area for the Village of Kewaskum, Washington County, Wisconsin, March 1988
- No. 162 - A Land Use and Transportation System Plan for the Village of Menomonee Falls: 2010, April 1990
- No. 163 - A Lake Michigan Shoreline Erosion Management Plan for Milwaukee County, Wisconsin, October 1989*
- No. 164 - Kenosha County Agricultural Soil Erosion Control Plan, April 1989
- No. 165 - A Development Plan for the Burlington Industrial Park Neighborhood, City of Burlington, Racine County, Wisconsin, January 1991
- No. 166 - A Park and Open Space Plan for the Village of Sussex, Waukesha County, Wisconsin, September 1988
- No. 167 - A Land Use Plan for the City of West Bend: 2010, Washington County, Wisconsin, July 1992*
- No. 168 - A Land Use Plan for the Town of LaGrange: 2010, March 1991*
- No. 169 - A Land Use Plan for the City of Waukesha Planning Area: 2010, Waukesha County, Wisconsin, September 1993*
- No. 170 - Washington County Agricultural Soil Erosion Control Plan, March 1989
- No. 171 - Ozaukee County Agricultural Soil Erosion Control Plan, February 1989
- No. 172 - Sanitary Sewer Service Area for the City of Oconomowoc and Environs, Waukesha County, Wisconsin, February 1989*
- No. 172 - 2nd Edition, Sanitary Sewer Service Area for the City of Oconomowoc and Environs, Waukesha County, Wisconsin, September 1999

COMMUNITY ASSISTANCE PLANNING REPORTS—continued

No. 173 - A Stormwater Management Plan for the City of West Bend, City of West Bend, Washington County, Wisconsin
Volume 1 - Inventory Findings, Forecasts, Objectives, and Design Criteria, October 1989*
Volume 2 - Alternatives and Recommended Plan for the Silver Creek Subwatershed, June 1990*
Volume 3 - Alternatives and Recommended Plan for the Milwaukee River Drainage Area, June 1995
Volume 4 - Alternatives and Recommended Plan for the Quaas Creek Subwatershed, July 1996

No. 174 - An Evaluation of Alternative Means for the Governance of the Delavan Lake Area, Walworth County, Wisconsin, March 1989

No. 175 - Sanitary Sewer Service Area for the Village of Genoa City, Kenosha and Walworth Counties, Wisconsin, February 1989

No. 175 - 2nd Edition, Sanitary Sewer Service Area for the Village of Genoa City, Kenosha and Walworth Counties, Wisconsin, May 1996

No. 176 - Sanitary Sewer Service Area for the City of Franklin, Milwaukee County, Wisconsin, October 1990

No. 177 - Feasibility Study for a Milwaukee County Automated Mapping and Land Information System, October 1989*

No. 178 - A Park and Open Space Plan for the Village of Grafton, Ozaukee County, Wisconsin, March 1989

No. 179 - A Park and Open Space Plan for the Town of Caledonia, Racine County, Wisconsin, November 1989

No. 180 - Sanitary Sewer Service Area for the Village of Union Grove and Environs, Racine County, Wisconsin, August 1990

No. 181 - A Water Quality Management Plan for Oconomowoc Lake, Waukesha County, Wisconsin, March 1990

No. 182 - A Water Use Management Plan for Waubeesee Lake and the Anderson Canal, Racine County, Wisconsin, December 1990*

No. 183 - Kenosha Transit System Development Plan: 1991-1995, City of Kenosha, Wisconsin, September 1991*

No. 184 - A Land Information System Plan for Washington County, March 1992

No. 185 - A Plan for the Creation of an Automated Mapping and Parcel-Based Land Information System for Kenosha County, August 1990

No. 186 - A Land Use and Street System Plan for the Village of Slinger: 2010, Washington County, Wisconsin, August 1995

No. 187 - A Management Plan for Fowler Lake, Waukesha County, Wisconsin, March 1994

No. 188 - Sanitary Sewer Service Area for the City of Mequon and the Village of Thiensville, Ozaukee County, Wisconsin, January 1992

No. 189 - A Transit System Feasibility Study and Development Plan for the City of West Bend: 1992-1996, February 1991

No. 190 - A Stormwater Management and Flood Control Plan for the Lilly Creek Subwatershed, Village of Menomonee Falls, Waukesha County, Wisconsin, February 1993

No. 191 - Sanitary Sewer Service Area for the Village of Mukwonago, Waukesha County, Wisconsin, November 1990*

No. 192 - Sanitary Sewer Service Area for the Village of Dousman, Waukesha County, Wisconsin, December 1990

No. 193 - A Land Information System Plan for Waukesha County, April 1991*

No. 194 - A Land Information System Plan for Racine County, August 1991

No. 195 - A Land Use, Urban Design, and Transportation Plan for Selected Arterial Street Corridors in the Village of Hales Corners, Milwaukee County, Wisconsin, May 1993

COMMUNITY ASSISTANCE PLANNING REPORTS—continued

- No. 196 - A Management Plan for Powers Lake, Kenosha and Walworth Counties, Wisconsin, November 1991
- No. 197 - A Wildlife Habitat Management Plan for the General Electric Company, Medical Systems Group, Lands, City of Waukesha and Town of Pewaukee, Waukesha County, Wisconsin, June 1991
- No. 198 - A Management Plan for Wind Lake, Racine County, Wisconsin, December 1991
- No. 199 - A Park and Open Space Plan for the Town of Mt. Pleasant, Racine County, Wisconsin, November 1991
- No. 200 - A Land Use and Transportation System Development Plan for the IH 94 South Freeway Corridor, Kenosha, Milwaukee, and Racine Counties, December 1991*
- No. 201 - A Land Use and Transportation System Development Plan for the IH 94 West Freeway Corridor: 2010, Waukesha County, Wisconsin, September 1994
- No. 202 - A Park and Open Space Plan for the City of Muskego, Waukesha County, Wisconsin, January 1992
- No. 203 - Sanitary Sewer Service Area for the City of Lake Geneva and Environs, Walworth County, Wisconsin, December 1992
- No. 204 - Racine Transit System Development Plan: 1993-1997, City of Racine, Wisconsin, June 1993
- No. 205 - Sanitary Sewer Service Area for the Village of Newburg, Ozaukee and Washington Counties, Wisconsin, March 1993
- No. 206 - Sanitary Sewer Service Area for the Eagle Lake Sewer Utility District, Racine County, Wisconsin, December 1992
- No. 207 - A Park and Open Space Plan for the City of Wauwatosa, Milwaukee County, Wisconsin, March 1998
- No. 208 - Sanitary Sewer Service Areas for the Villages of Lannon and Menomonee Falls, Waukesha County, Wisconsin, June 1993
- No. 209 - A Development Plan for Waukesha County, Wisconsin, August 1996
- No. 210 - City of West Bend Transportation System Plan: 2010, Washington County, Wisconsin, March 1994
- No. 211 - A Land Use Plan for the Town of Geneva: 2010, November 1997*
- No. 212 - A Comprehensive Plan for the Kenosha Urban Planning District, Kenosha County, Wisconsin, December 1995
- No. 213 - Sanitary Sewer Service Area for the City of Oak Creek, Milwaukee County, Wisconsin, July 1994
- No. 214 - A Land Use and Street System Plan for the Village of Kewaskum: 2010, Washington County, Wisconsin, September 1997
- No. 215 - An Environmentally Sensitive Lands Preservation Plan for the Town of Norway Sanitary District No. 1, Racine County, Wisconsin, June 1996
- No. 216 - A Land Use Plan for the Village of Sussex: 2010, Waukesha County, Wisconsin, December 1997
- No. 217 - A Land Use Plan for the Town of Waterford: 2010, Racine County, Wisconsin, May 1995
- No. 218 - A Transit Service Plan for Ozaukee County: 1996-2000, July 1995
- No. 219 - Sanitary Sewer Service Area for the Villages of Fontana and Walworth and Environs, Walworth County, Wisconsin, June 1995
- No. 220 - A Land Use Plan for the Town of Sugar Creek: 2010, Walworth County, Wisconsin, August 1995
- No. 221 - A Park and Open Space Plan for the Village of Thiensville, Ozaukee County, Wisconsin, March 1996
- No. 222 - A Lake Management Plan for Little Muskego Lake, Waukesha County, Wisconsin, June 1996
- No. 223 - A Public Transit Service Plan for Washington County: 1998-2002, November 1996
- No. 224 - A Lake Management Plan for Whitewater and Rice Lakes, Walworth County, Wisconsin, February 1997
- No. 225 - Sanitary Sewer Service Area for the Pell Lake Sanitary District No. 1, Walworth County, Wisconsin, June 1996
- No. 226 - A Lake Management Plan for Eagle Spring Lake, Waukesha County, Wisconsin, October 1997

COMMUNITY ASSISTANCE PLANNING REPORTS—continued

- No. 227 - A Lake Management Plan for Lake Keesus, Waukesha County, Wisconsin, June 1998
- No. 228 - A Land Use Plan for the Town of Sharon: 2010, Walworth County, Wisconsin, September 1998
- No. 229 - A Land Use Plan for the Town of Troy: 2020, Walworth County, Wisconsin, January 1999
- No. 231 - Kenosha Area Transit System Development Plan: 1998-2002, City of Kenosha, Wisconsin, April 1998
- No. 232 - A Land Use Plan for the Town of Saukville: 2010, Ozaukee County, Wisconsin, September 1998
- No. 233 - Racine Area Transit System Development Plan: 1998-2002, City of Racine, Wisconsin, October 1997
- No. 234 - A Land Use Plan for the Village of Saukville: 2010, Ozaukee County, Wisconsin, December 1998
- No. 235 - A Land Use Plan for the Town of Wayne: 2020, Washington County, Wisconsin, February 1999
- No. 237 - A Land Use Plan for the Town and Village of Rochester: 2020, Racine County, Wisconsin, November 1999
- No. 238 - A Land Use Plan for the Town of Trenton: 2010, Washington County, Wisconsin, December 1997
- No. 239 - Feasibility Study of Commuter Railway Passenger Train Service in the Kenosha-Racine-Milwaukee Corridor, June 1998
- No. 242 - A Park and Open Space Plan for the City of Lake Geneva, Walworth County, Wisconsin, April 1999
- No. 243 - A Land Use Plan for the Town of Dover: 2020, Racine County, Wisconsin, August 1999
- No. 244 - A Park and Open Space Plan for the Village of Jackson, Washington County, Wisconsin, November 1998
- No. 247 - Sanitary Sewer Service Area for the Town of Norway Sanitary District No. 1 and Environs, Racine and Waukesha Counties, Wisconsin, June 1999
- No. 250 - A Park and Open Space Plan for the City of West Bend: 2020, Washington County, Wisconsin, April 1999

MEMORANDUM REPORTS

- No. 1 - Cedarburg Central Business District Parking Study, City of Cedarburg, Ozaukee County, Wisconsin, December 1986
- No. 2 - Courthouse Parking Study, Ozaukee County, Wisconsin, November 1986
- No. 3 - Alternative Industrial Park Site Location and Cost Estimate Analysis, City of Oconomowoc, Waukesha County, Wisconsin, December 1986*
- No. 4 - Pilgrim Parkway Traffic Study, Village of Elm Grove, Waukesha County, Wisconsin, December 1986*
- No. 5 - Capital Improvements Program: 1987-1991, Village of East Troy, Walworth County, Wisconsin, December 1986*
- No. 6 - Report of the Hoan Bridge South Task Force, Milwaukee County, Wisconsin, December 1986
- No. 7 - Public Transit Ridership Trends in Southeastern Wisconsin: 1975-1986, May 1987
- No. 8 - Assessment of Transportation Needs of Elderly and Handicapped Residents of Ozaukee County, June 1987
- No. 9 - An Arterial Highway System Plan for Eastern Racine County, April 1987
- No. 10 - City of Elkhorn Fact Book, Walworth County, Wisconsin, November 1986
- No. 11 - City of Elkhorn Overall Economic Development Program Plan, Walworth County, Wisconsin, December 1986*
- No. 12 - Economic Development Fact Book, City of Oconomowoc, Waukesha County, Wisconsin, March 1987
- No. 13 - Overall Economic Development Program Plan, City of Oconomowoc, Waukesha County, Wisconsin, March 1987
- No. 14 - Village of Menomonee Falls Economic Development Fact Book, September 1991

MEMORANDUM REPORTS—continued

- No. 15 - Overall Economic Development Program Plan, Village of Menomonee Falls, Waukesha County, Wisconsin, September 1987
- No. 16 - Unpolluted Dredge Materials Disposal Plan for the Port Washington Harbor, City of Port Washington, Ozaukee County, Wisconsin, May 1987
- No. 17 - A Public Transit Program for Handicapped Persons—City of Waukesha Transit System Utility, May 1987*
- No. 18 - A Central Public Works Facility Building Program, Site Location Analysis, and Site Development Plan for the City of New Berlin, May 1987
- No. 19 - Overall Economic Development Program Plan, City of Burlington, Racine County, Wisconsin, March 1988
- No. 20 - CTH N Traffic Study, City of Cedarburg, Ozaukee County, Wisconsin, February 1987
- No. 21 - A Public Transit Program for Handicapped Persons—Milwaukee County Transit System, June 1987*
- No. 22 - A Public Transit Program for Handicapped Persons—Waukesha County Transit System, June 1987*
- No. 23 - A Public Transit Program for Handicapped Persons—City of Kenosha Transit System, June 1987*
- No. 24 - A Public Transit Program for Handicapped Persons—City of Racine Transit System, June 1987*
- No. 25 - Traffic Impact Study of Proposed Development along Paradise Drive between the USH 45 Bypass and S. Main Street, City of West Bend, Washington County, Wisconsin, September 1987*
- No. 26 - Official Map, City of Burlington, Racine County, Wisconsin, December 1987
- No. 27 - Village of Mukwonago Industrial Park Development Plan, Waukesha County, Wisconsin, March 1988
- No. 28 - Streams and Watercourses for Which the Milwaukee Metropolitan Sewerage District Has Assumed Jurisdiction for Drainage and Flood Control Purposes, August 1987
- No. 29 - A Plan for the Abatement of Through Traffic Problems in the Village of West Milwaukee, March 1988
- No. 30 - Overall Economic Development Program Plan, City of South Milwaukee, Milwaukee County, Wisconsin, March 1988
- No. 31 - Analysis of the Conversion from One-Way to Two-Way Operation of Pine Street from State Street to Jefferson Street, City of Burlington, Racine County, Wisconsin, January 1988
- No. 32 - Traffic Engineering Study of West and North Beach Roads in the Village of Oconomowoc Lake, Waukesha County, Wisconsin, January 1991
- No. 33 - Traffic Engineering Study of Robinhood Drive in the Village of Menomonee Falls, Waukesha County, Wisconsin, December 1989
- No. 34 - Overall Economic Development Program Plan, City of West Allis, Milwaukee County, Wisconsin, September 1988
- No. 35 - A Stormwater Management Plan for the Crayfish Creek Subwatershed, City of Oak Creek, Milwaukee County, Wisconsin, June 1988
- No. 36 - Traffic Engineering Study of Milwaukee Avenue (STH 36) between the Central Business District and the Northern Corporate Limits of the City of Burlington, Racine County, Wisconsin, August 1988
- No. 37 - Economic Development Fact Book, City of South Milwaukee, Milwaukee County, Wisconsin, May 1988
- No. 38 - A Regional Transportation Authority Feasibility Study for Southeastern Wisconsin, November 1990
- No. 39 - A Flood Control Plan for a Portion of the Menomonee River Estuary Area, June 1989
- No. 40 - An Inventory of Vacant or Underutilized Lands in the Riverine Areas of Central Milwaukee County, May 1989
- No. 41 - A Traffic Safety Study of N. Berkeley Boulevard between E. Montclaire Avenue and E. School Road in the Village of Whitefish Bay, Milwaukee County, Wisconsin, November 1991

MEMORANDUM REPORTS—continued

- No. 42 - Traffic Engineering Study of Grandview Boulevard—CTH T—from Northview Road to Fatima Drive, Waukesha County, Wisconsin, July 1989
- No. 43 - Amtrak Milwaukee-Chicago Passenger Survey Findings: May 1989, August 1989
- No. 44 - Town of Lisbon Southeast Area Quarry Operations—Environmental Impact Evaluation, September 1990
- No. 45 - Overall Economic Development Program Plan, Village of Slinger, Washington County, Wisconsin, October 1989
- No. 46 - Traffic Impact Study of the Interchange of STH 33 and CTH LL, Ozaukee County, Wisconsin, September 1989
- No. 47 - Economic Development Fact Book, City of West Allis, Milwaukee County, Wisconsin, October 1989*
- No. 48 - Washington Avenue (STH 57) Traffic Study in the City of Cedarburg, Ozaukee County, Wisconsin, January 1991
- No. 49 - Overall Economic Development Program Plan, City of Brookfield, Waukesha County, Wisconsin, December 1989
- No. 50 - Traffic Engineering Study of County Line Road (CTH Q) between the Intersection with Appleton Avenue (STH 175) and USH 41/45, December 1990
- No. 51 - Traffic Study of W. Fond du Lac Avenue in the Village of Menomonee Falls between N. 124th Street (STH 145) and W. Main Street (STH 74), Waukesha County, Wisconsin, January 1991
- No. 52 - Traffic Impact Study of the Alpine Valley Music Theatre in the Town of LaFayette, January 1991
- No. 53 - A Stormwater Drainage and Flood Control System Plan for Grantosa Creek, Cities of Milwaukee and Wauwatosa, Milwaukee County, Wisconsin, February 1992
- No. 54 - Traffic Engineering Study of E. Birch Avenue in the Village of Whitefish Bay, January 1991
- No. 55 - Traffic Engineering Study of Keup Road between Columbia Road (STH 57) and STH 60 in the City and Town of Cedarburg and the Village of Grafton, Ozaukee County, Wisconsin, May 1995
- No. 56 - A Lakefront Recreational Use and Waterway Protection Plan for the Village of Pewaukee, Waukesha County, Wisconsin, March 1996*
- No. 57 - Amtrak Milwaukee-Chicago Passenger Survey Findings: June 1991, January 1993
- No. 58 - A Paratransit Service Plan for Disabled Persons—Milwaukee County Transit System, January 1992
- No. 59 - A Paratransit Service Plan for Disabled Persons—City of Kenosha Transit System, January 1992
- No. 60 - A Paratransit Service Plan for Disabled Persons—City of Racine Transit System, January 1992
- No. 61 - A Paratransit Service Plan for Disabled Persons—City of Waukesha Transit System Utility, January 1992
- No. 62 - A Paratransit Service Plan for Disabled Persons—Waukesha County Transit System, January 1992
- No. 63 - A Land Use-Transportation Study of the N. 76th Street Corridor, August 1991
- No. 64 - Lake Arterial Extension Planning Study, August 1991
- No. 65 - Analysis of the Intersection of S. Pine Street (STH 83) and E. State Street (STH 83) in the City of Burlington, Racine County, Wisconsin, September 1991
- No. 66 - City of Cudahy Overall Economic Development Program Plan, Milwaukee County, Wisconsin, June 1992
- No. 67 - Central Area Parking Study, City of Lake Geneva, Walworth County, Wisconsin, April 1996
- No. 68 - Regional Land Use Plan Implementation in Southeastern Wisconsin: Status and Needs, May 1993
- No. 69 - Environmental Assessment of the Proposed Development of the Millard Sand and Gravel Pit, July 1992
- No. 70 - A Wildlife Habitat Management Plan for the Franklin Lions Legend Park Study Area, August 1991

MEMORANDUM REPORTS—continued

- No. 71 - A Specialized Transportation Service Plan for Elderly and Disabled Persons within Waukesha County, June 1992*
- No. 72 - Analysis of Traffic Engineering Actions Proposed by City of Cedarburg Staff for S. Washington Avenue (STH 57/STH 143), Ozaukee County, Wisconsin, May 1995
- No. 73 - A Paratransit Service Plan for Disabled Persons: 1993 Update/Milwaukee County Transit System, January 1993*
- No. 74 - A Paratransit Service Plan for Disabled Persons: 1993 Update/City of Kenosha Transit System, January 1993*
- No. 75 - A Paratransit Service Plan for Disabled Persons: 1993 Update/City of Racine Transit System, January 1993*
- No. 76 - A Paratransit Service Plan for Disabled Persons: 1993 Update/City of Waukesha Transit System Utility, January 1993*
- No. 77 - A Paratransit Service Plan for Disabled Persons: 1993 Update/Waukesha County Transit System, January 1993*
- No. 78 - Traffic Study of STH 83 between the Illinois-Wisconsin State Line and STH 50 in Kenosha County, March 1993
- No. 79 - An Agricultural Drainage and Urban Stormwater Management Plan for Racine County Farm Drainage District No. 1, Village of Waterford and Towns of Norway and Waterford, Racine County, Wisconsin, September 1993
- No. 80 - A Development Plan for the Parkside East Neighborhood, Town of Somers, Kenosha County, Wisconsin, September 1993
- No. 81 - Aquatic Plant Management Plan for Phantom Lakes, Waukesha County, Wisconsin, July 1993*
- No. 82 - A Lake Protection Plan for Silver Lake, Waukesha County, Wisconsin, July 1993*
- No. 83 - City of Cudahy Economic Development Fact Book, Milwaukee County, Wisconsin, August 1993
- No. 84 - Transportation Impacts of W. Wisconsin Avenue Closure between N. 11th Street and N. 16th Street, City of Milwaukee, Milwaukee County, Wisconsin, August 1993
- No. 85 - A Development Plan for the Endicott Neighborhood, City of Brookfield, Waukesha County, Wisconsin, September 1993
- No. 86 - Traffic Engineering Study of Ann Rita Drive, Coventry Drive, and Macaulay Drive in the Canterbury Hill Subdivision, City of Brookfield, Waukesha County, Wisconsin, July 1993
- No. 87 - Public Involvement in the Transportation System Planning and Programming Processes: Year 2010 Regional Transportation System Plan, January 1994
- No. 88 - A Paratransit Service Plan for Disabled Persons: 1994 Update/Milwaukee County Transit System, January 1994*
- No. 89 - A Paratransit Service Plan for Disabled Persons: 1994 Update/City of Kenosha Transit System, January 1994*
- No. 90 - A Paratransit Service Plan for Disabled Persons: 1994 Update/City of Racine Transit System, January 1994*
- No. 91 - A Paratransit Service Plan for Disabled Persons: 1994 Update/City of Waukesha Transit System Utility, January 1994*
- No. 92 - A Paratransit Service Plan for Disabled Persons: 1994 Update/Waukesha County Transit System, January 1994*
- No. 93 - A Regional Water Quality Management Plan for Southeastern Wisconsin: An Update and Status Report, March 1995*
- No. 94 - A Recommended Public Boating Access and Waterway Protection Plan for Big Muskego Lake, Waukesha County, Wisconsin, July 1994
- No. 95 - Traffic Engineering Study of W. Bender Road between Milwaukee River Parkway and Jean-Nicolet Road in the City of Glendale, Milwaukee County, Wisconsin, August 1994

MEMORANDUM REPORTS—continued

- No. 96 - A Paratransit Service Plan for Disabled Persons: 1995 Update/Milwaukee County Transit System, January 1995*
- No. 97 - A Paratransit Service Plan for Disabled Persons: 1995 Update/City of Kenosha Transit System, January 1995*
- No. 98 - A Paratransit Service Plan for Disabled Persons: 1995 Update/City of Racine Transit System, January 1995*
- No. 99 - A Paratransit Service Plan for Disabled Persons: 1995 Update/City of Waukesha Transit System Utility, January 1995*
- No. 100 - A Paratransit Service Plan for Disabled Persons: 1995 Update/Waukesha County Transit System, January 1995*
- No. 101 - Upper Nemahbin Lake Watershed Inventory Findings, Waukesha County, Wisconsin, May 1995
- No. 102 - Water Level Control Plan for the Waterford-Vernon Area of the Middle Fox River Watershed, Racine and Waukesha Counties, Wisconsin, March 1995
- No. 103 - Assessment of Conformity of the Year 2010 Regional Transportation System Plan and the 1995-1997 Transportation Improvement Program with Respect to the State of Wisconsin Air Quality Implementation Plan, December 1994
- No. 104 - Incorporation of the Federally Required Congestion Management System within the Year 2010 Regional Transportation System Plan and the Continuing Transportation System Planning Process, December 1994
- No. 105 - Traffic Study of the Intersection of Barker Road (CTH Y) and Watertown Road, Town of Brookfield, Waukesha County, Wisconsin, March 1995
- No. 106 - A Paratransit Service Plan for Disabled Persons: 1996 Update/Milwaukee County Transit System, January 1996
- No. 107 - A Paratransit Service Plan for Disabled Persons: 1996 Update/City of Kenosha Transit System, January 1996
- No. 108 - A Paratransit Service Plan for Disabled Persons: 1996 Update/City of Racine Transit System, January 1996
- No. 109 - A Paratransit Service Plan for Disabled Persons: 1996 Update/City of Waukesha Transit System Utility, January 1996
- No. 110 - A Paratransit Service Plan for Disabled Persons: 1996 Update/Waukesha County Transit System, January 1996
- No. 111 - Waukesha County Greenway Corridor Study, Towns of Waukesha and Vernon, May 1996
- No. 113 - Traffic Study of the Intersection of N. Port Washington Road (CTH W) and W. Highland Road for the City of Mequon: June 1995, Following Opening of St. Mary's Hospital, City of Mequon, Ozaukee County, Wisconsin, September 1996
- No. 114 - Traffic Control Study for the Village of Fox Point, Village of Fox Point, Milwaukee County, Wisconsin, August 1996
- No. 115 - Traffic Safety Study of the Segment of CTH BB between Brink Road and Hillside Road, Town of Linn, Walworth County, Wisconsin, September 1996
- No. 116 - Assessment of Conformity of the 1997-1999 Transportation Improvement Program with Respect to the State of Wisconsin Air Quality Implementation Plan, October 1996
- No. 117 - Traffic Study of Selected Intersections in the Village of Hartland, Waukesha County, Wisconsin, November 1996
- No. 118 - Traffic Study of the Intersections of N. Berkeley Boulevard and E. Silver Spring Drive and N. Diversey Boulevard, N. Consaul Place and E. Silver Spring Drive in the Village of Whitefish Bay, Milwaukee County, Wisconsin, November 1996
- No. 119 - A Paratransit Service Plan for Disabled Persons: 1997 Update/Milwaukee County Transit System, January 1997

MEMORANDUM REPORTS—continued

- No. 120 - A Lake Protection and Recreational Use Plan for Hunters Lake, Waukesha County, Wisconsin, May 1997
- No. 121 - Traffic Engineering Study of N. 68th Street in the Village of Brown Deer, Milwaukee County, Wisconsin, December 1996
- No. 122 - A Lake Protection Plan for Pretty Lake, Waukesha County, Wisconsin, April 1998
- No. 123 - A Lake Protection and Recreational Use Plan for Silver Lake, Washington County, Wisconsin, September 1997
- No. 124 - An Aquatic Plant Inventory for Pine Lake, Waukesha County, Wisconsin, December 1998
- No. 125 - Assessment of Conformity of the Year 2020 Regional Transportation System Plan and the 1998-2000 Transportation Improvement Program with Respect to the State of Wisconsin Air Quality Implementation Plan, December 1997
- No. 126 - Traffic Engineering Study of Selected Intersections along Fond du Lac Avenue (USH 45) in the Village of Kewaskum: 1997, Washington County, Wisconsin, July 1998
- No. 127 - A Transportation Study for the Core Area of the City of Delafield, Waukesha County, Wisconsin, November 1998
- No. 128 - Assessment of Travel through the Neighborhood Bounded by W. Silver Spring Drive, N. Port Washington Road, N. Lydell Avenue, and W. Henry Clay Street in the City of Glendale: 1997, Milwaukee County, Wisconsin, April 1998
- No. 129 - Inventory of Fire Protection and Emergency Medical Services for Western Racine County, December 1998
- No. 130 - A Lake and Watershed Inventory for Nagawicka Lake, Waukesha County, Wisconsin, March 1999
- No. 131 - Environmental Analysis of the Lands at the Headwaters of Gilbert Lake and Big Cedar Lake, Washington County, Wisconsin, March 1999
- No. 132 - Highway Maintenance Facility Location Study, Washington County, Wisconsin, December 1998
- No. 136 - Racine County Industrial Park Land Absorption Study, July 1999

ECONOMIC DEVELOPMENT PROFILES

Economic Development Profiles have been prepared for the Southeastern Wisconsin Region, for each of the seven counties in the Region, for the Milwaukee Metropolitan Statistical Area, and for the following communities within each of the seven counties:

Kenosha County
City of Kenosha
Village of Pleasant Prairie
Town of Bristol

Milwaukee County
City of Cudahy
City of Franklin
City of Glendale
City of Greenfield
City of Milwaukee
City of Oak Creek
City of St. Francis
City of South Milwaukee
City of Wauwatosa
City of West Allis
Village of Brown Deer
Village of Hales Corners
Village of West Milwaukee

Ozaukee County
City of Cedarburg
City of Mequon
City of Port Washington
Village of Belgium
Village of Fredonia
Village of Grafton
Village of Saukville
Village of Thiensville

Racine County
City of Burlington
City of Racine
Village of Rochester
Village of Sturtevant
Village of Union Grove
Village of Waterford
Town of Caledonia
Town of Mt. Pleasant
Town of Yorkville

Walworth County
City of Delavan
City of Elkhorn
City of Lake Geneva
City of Whitewater
Village of Darien
Village of East Troy
Village of Walworth

Washington County
City of Hartford
City of West Bend
Village of Germantown
Village of Jackson
Village of Kewaskum
Village of Slinger

Waukesha County
City of Brookfield
City of Delafield
City of Muskego
City of New Berlin
City of Oconomowoc
City of Pewaukee
City of Waukesha
Village of Butler
Village of Dousman
Village of Eagle
Village of Elm Grove
Village of Hartland
Village of Menomonee Falls
Village of Mukwonago
Village of Pewaukee
Village of Sussex

LAKE USE REPORTS-FOX RIVER WATERSHED

Kenosha County

No. FX-40, Benedict Lake
No. FX-12, Camp Lake
No. FX-27, Center Lake
No. FX-35, Cross Lake
No. FX-45, Dyer Lake*
No. FX-7, Elizabeth Lake

No. FX-34, Lilly Lake*
No. FX-17, Marie Lake*
No. FX-13, Powers Lake*
No. FX-11, Silver Lake*
No. FX-45, Voltz Lake

Racine County

No. FX-25, Bohner Lake
No. FX-15, Browns Lake
No. FX-9, Eagle Lake
No. FX-42, Echo Lake*
No. FX-32, Kee Nong Go-Mong Lake

No. FX-29, Long Lake*
No. FX-6, Waterford-Tichigan Lakes*
No. FX-276, Waubeesee Lake
No. FX-5, Wind Lake*

Walworth County

No. FX-41, Army Lake
No. FX-40, Benedict Lake*
No. FX-7, Beulah Lake
No. FX-31, Booth Lake
No. FX-4, Como Lake*
No. FX-1, Lake Geneva
No. FX-Lauderdale Lakes
(17, Green Lake,
20, Middle Lake,
18, Mill Lake)

No. FX-39, Lulu Lake
No. FX-21, North Lake
No. FX-37, Pell Lake
No. FX-43, Peters Lake*
No. FX-25, Pleasant Lake
No. FX-24, Potters Lake*
No. FX-38, Silver Lake
No. FX-30, Wandawega Lake

Waukesha County

No. FX-3, Big Muskego Lake
No. FX-23, Denoon Lake
No. FX-19, Eagle Spring Lake*
No. FX-10, Little Muskego Lake*

No. FX-14, Lower Phantom Lake
No. FX-2, Pewaukee Lake*
No. FX-34, Spring Lake
No. FX-33, Upper Phantom Lake

LAKE USE REPORTS-MILWAUKEE RIVER WATERSHED

Fond du Lac County

No. ML-2, Long Lake*
No. ML-9, Auburn Lake
No. ML-21, Forest Lake
No. ML-12, Mauthe Lake*
No. ML-18, Mud Lake*
No. ML-5, Kettle Moraine Lake*

Washington County

No. ML-3, Little Cedar Lake*
No. ML-14, Green Lake
No. ML-19, Lake Twelve
No. ML-13, Lucas Lake
No. ML-11, Smith Lake
No. ML-20, Wallace Lake*
No. ML-15, Barton Pond
No. ML-1, Big Cedar Lake*
No. ML-8, Silver Lake*
No. ML-16, West Bend Pond

Ozaukee County

No. ML-4, Mud Lake
No. ML-17, Spring Lake

Sheboygan County

No. ML-6, Random Lake*
No. ML-10, Crooked Lake
No. ML-7, Lake Ellen

TECHNICAL RECORDS

Volume 1-No. 1, October-November 1963*

Regional Planning in Southeastern Wisconsin
by Kurt W. Bauer, Executive Director

The SEWRPC Land Use-Transportation Study
by J. Robert Doughty, Study Director

Home Interview Sample Selection-Part I
by Kenneth J. Schlager, Chief Systems Engineer

Truck and Taxi Sample Selection
by Thomas A. Winkel, Urban Planning Supervisor

A Backward Glance: Early Toll Roads in Southeastern Wisconsin
by Richard E. Rehberg, Editor

Volume 1-No. 2, December 1963-January 1964

Arterial Network and Traffic Analysis Zones
by Richard B. Sheridan, Chief Transportation Planner

Conducting the Household Postal Questionnaire Survey
by Wade G. Fox, Cartography and Design Supervisor

Conducting the Home Interview Survey
by Sheldon W. Sullivan, Administrative Officer

Aerial Photographs and Their Use in the Land Use Inventory
by Harlan E. Clinkenbeard, Land Use Planning Chief

A Backward Glance: The U. S. Public Land Survey in Southeastern Wisconsin
by Richard E. Rehberg, Editor

Volume 1-No. 3, February-March 1964

Conducting the Truck and Taxi Survey
by Sheldon W. Sullivan, Administrative Officer

Conducting the Truck and Taxi Postal Questionnaire Survey
by Wade G. Fox, Cartography and Design Supervisor

Conducting the External Survey
by William E. Creger, P.E., Traffic Operations Engineer

Rail and Transit Inventory and Design of the Transit Network
by David A. Kuemmel, P.E., Transportation Planning Engineer

A Backward Glance: The Man-Made Ice Age
by Richard E. Rehberg, Editor

Volume 1-No. 4, April-May 1964*

The Application of Soil Studies to Regional Planning
by Kurt W. Bauer, Executive Director

Coding
by Wade G. Fox, Cartography and Design Supervisor, and Robert L. Fisher, Coding Supervisor

Inventory of Existing Outdoor Recreation Facilities and Historic Sites in Southeastern Wisconsin
by Theodore F. Lauf, Research Analyst

Inventory of Potential Park and Related Open Space Sites
by Karl W. Holzwarth, Landscape Architect

A Backward Glance: The Electric Interurban Railway
by Richard E. Rehberg, Editor

TECHNICAL RECORDS—continued

Volume 1-No. 5, June-July 1964

Reconciliation of Sample Coverage in the Internal O & D Surveys
by Eugene G. Muhich, P.E., Transportation Planning Engineer

The Contingency Check Program
by Wade G. Fox, Cartography and Design Supervisor

Inventory of the Arterial Street Network
by William T. Wambach, Jr., P.E.

A Backward Glance: The Milwaukee and Rock River Canal
by James E. Seybold, Editor

Volume 1-No. 6, August-September 1964

Checking the Network Description for Arterial Highway and Transit Networks
by Richard B. Sheridan, Chief Transportation Planner

A Study of the Water Quality and Flow of Streams in Southeastern Wisconsin
by Roy W. Ryling, Hydrologist

Expanding the Origin-Destination Sample
by Richard B. Sheridan, Chief Transportation Planner, and
Wade G. Fox, Cartography and Design Supervisor

A Backward Glance: Greendale-Garden City in Wisconsin
by Kurt W. Bauer, Executive Director

Volume 2-No. 1, October-November 1964*

Simulation Models in Urban and Regional Planning
by Kenneth J. Schlager, Chief Systems Engineer

Volume 2-No. 2, December 1964-January 1965

Capacity of Arterial Network Links
by Richard B. Sheridan, Chief Transportation Planner

The ABC Method of Current Population Estimating
by Donald L. Gehrke, Economics and Population Analyst, and
Orlando E. Delogu, Financial Resources and Legal Analyst

O & D Surveys Accuracy Checks
by Eugene G. Muhich, P.E., Transportation Planning Engineer
A Backward Glance: Railroad Transportation in Southeastern Wisconsin
by Patricia J. Tegge, Editor

Volume 2-No. 3, February-March 1965

Determination of Historical Flood Frequency for the Root River of Wisconsin
by James C. Ringenoldus, P.E., Harza Engineering Company

The Regional Multiplier
by Kenneth J. Schlager, Chief Systems Engineer

A Backward Glance: The Street Railway in Milwaukee
by Henry M. Mayer, Administrative Assistant, Milwaukee & Suburban Transport Corporation

Volume 2-No. 4, April-May 1965*

Determination of Runoff for Urban Storm Water Drainage System Design
by Kurt W. Bauer, Executive Director

TECHNICAL RECORDS—continued

Volume 2-No. 5, June-July 1965

Screen Line Adjustment of Trip Data

by Richard B. Sheridan, P.E., Chief Transportation Planner

Inventory of Land Development Regulations in Southeastern Wisconsin

by William J. Kockelman, Chief Community Assistance Planner

A Backward Glance: Highway Development in Southeastern Wisconsin-Part I

by Jean C. Meier, Librarian and Research Assistant

Volume 2-No. 6, August-September 1965

A Modal Split Model for Southeastern Wisconsin

by Edward Weiner, Highway Engineer

Volume 3-No. 1, 1968

Transit System Development Standards

by Edward Weiner, Transportation Planning Engineer

Modified Rapid Transit Service in the Southeastern Wisconsin Region

by Sheldon W. Sullivan, Administrative Officer

A Backward Glance: Highway Development in Southeastern Wisconsin-Part II

by Jean C. Meier, Research Assistant, and Sheldon W. Sullivan, Administrative Officer

Volume 3-No. 2, 1969

Characteristics of Travel in the Milwaukee Central Business District

by Sheldon W. Sullivan, Administrative Officer

Computing the Center of Population and the Geographic Center

by Wayne H. Faust, Associate Planner

A Backward Glance: Downtown Yesterdays

by Gerald P. Caffrey, Milwaukee Municipal Reference Librarian

Volume 3-No. 3, September 1971*

Hydrogeologic Considerations in Liquid Waste Disposal, with a Case Study in Southeastern Wisconsin

by Martha J. Ketelle, Department of Geology and Geophysics, University of Wisconsin-Madison

Volume 3-No. 4, September 1971

Characteristics of Air and Ground Travel Generated by General Mitchell Field Airport Terminal: May 1968

by Sheldon W. Sullivan, Chief of Data Collection

Shifts in Centers of Population within the Region: 1960-1970

by Wayne H. Faust, Associate Planner

A Backward Glance: The Development of General Mitchell Field

by Sheldon W. Sullivan, Chief of Data Collection

TECHNICAL RECORDS—continued

Volume 3-No. 5, March 1973*

Freeway Flyer Service in Southeastern Wisconsin-A Progress Report: 1964-1971
by Sheldon W. Sullivan, Chief of Data Collection

Development of Equations for Rainfall Intensity-Duration-Frequency Relationship
by Stuart G. Walesh, Water Resources Engineer

A Backward Glance: The American Automobile-A Brief History of the Development
of the American Automobile and the Growth of Automobile Registrations in the
United States, Wisconsin, and the Southeastern Wisconsin Region: 1896-1970
by Sheldon W. Sullivan, Chief of Data Collection

Volume 3-No. 6, April 1976*

Floodland Management: The Environmental Corridor Concept
by Stuart G. Walesh, SEWRPC Water Resources Engineer

Characteristics of Travel in the Milwaukee Central Business District: 1963 and 1972
by Sheldon W. Sullivan, SEWRPC Chief of Data Collection, and Jean Lusk, SEWRPC Research Analyst

The Changing Factorial Ecology of Milwaukee's Black Ghetto
by Harold McConnell, Richard A. Karsten, and Marilyn Ragusa

A Backward Glance: Environmental Corridors of Yesterday and Today
by Dr. Jeremy M. Katz, Research Psychologist, and Jeanne Sollen, Editor

Volume 4-No. 1, March 1978*

A Backward Glance: Milwaukee's Water Story
by Milwaukee Water Works

Is There a Groundwater Shortage in Southeastern Wisconsin?
by Douglas S. Cherkauer and Vinton W. Bacon, University of Wisconsin-Milwaukee

An Overview of the Sources of Water Pollution in Southeastern Wisconsin
by Kurt W. Bauer, Executive Director, SEWRPC

The Effect of Sample Rate on Socioeconomic and Travel Data Obtained through Standard Home Interview
by Jean Lusk, SEWRPC Planner

Volume 4-No. 2, March 1981

Refining the Delineation of the Environmental Corridors in Southeastern Wisconsin
by Bruce P. Rubin, Chief Land Use Planner, SEWRPC, and
Gerald H. Emmerich, Jr., Senior Planner, SEWRPC

Water Quality and Quantity Simulation Modeling for the Areawide
Water Quality Management Planning Program for Southeastern Wisconsin
by Thomas R. Sear, P.E., Senior Water Resources Engineer, SEWRPC

Evaluation of a Water Quality Standard for Total Phosphorus
in Flowing Streams in Southeastern Wisconsin
by David B. Kendzierski, Senior Planner, SEWRPC

Bibliography of Lake Michigan Shore Erosion and Nearshore Process Studies
by Norman P. Lasca, Professor, Department of Geological Sciences and Center for Great Lakes Studies,
University of Wisconsin-Milwaukee, and David Baier, Warren Baumann, Patrick Curth, and Jan H. Smith,
Geologists, Department of Geological Sciences and Center for Great Lakes Studies, University of
Wisconsin-Milwaukee

A Backward Glance: Historic Evolution of the Local Governmental Structure in Southeastern Wisconsin
by Eileen Hammer

TECHNICAL RECORDS—continued

Volume 4-No. 3, February 1982

Preservation of Scientifically and Historically Important Geologic Sites in Milwaukee County, Wisconsin
by Donald G. Mikulic, Staff Geologist, Illinois State Geological Survey, and Joanne Kluessendorf, Geologic Research Assistant, Illinois State Geological Survey, Champaign, Illinois

Inventory of Solid Waste Management Facilities in Southeastern Wisconsin: 1980
by Robert P. Biebel, Principal Engineer, SEWRPC, and Joseph E. Stuber, Senior Engineer, SEWRPC

Inventory Findings of Cannonball Passenger Surveys: 1980 and 1971
by Jean M. Lusk, SEWRPC Planner

A Backward Glance: Historic Evolution of the Local Governmental Structure in Southeastern Wisconsin
by Eileen Hammer

Volume 4-No. 4, February 1984

Characteristics of Travel in Six Major Attractors in the Southeastern Wisconsin Region
by Jean M. Lusk, SEWRPC Planner, and John L. Zastrow, SEWRPC Senior Specialist

Shopping Centers: Characteristics of Travel—1963-1972
by Jean M. Lusk, SEWRPC Planner, and John L. Zastrow, SEWRPC Senior Specialist

A Backward Glance: Historic Evolution of the Local Governmental Structure in Southeastern Wisconsin
by Eileen Hammer

Volume 4-No. 5, December 1989

Review and Analysis of Lake Michigan Water Levels at Milwaukee, Wisconsin
by David P. Kendzierski, SEWRPC Principal Planner

Lake Levels and Datum Differences
by Kurt W. Bauer, SEWRPC Executive Director

A Backward Glance—A History of Storm Damage and Protective Measures in Milwaukee Harbor
by Bruce W. Jordan, M.A.

Volume 4-No. 6, December 1993

Interpreting Soils of Southeastern Wisconsin for Onsite Disposal of Household Sewage
by Marvin T. Beatty, Ph.D., Professor Emeritus of Soil Science, University of Wisconsin-Madison

Shifts in Centers of Population within the Region: 1963-1990
by Donald G. Dittmar, SEWRPC Senior Specialist

Methodology for Review of Challenges to Wetland Field Delineations Conducted
by the Southeastern Wisconsin Regional Planning Commission
by Donald M. Reed, SEWRPC Chief Biologist

A Backward Glance—Unincorporated Settlements in Southeastern Wisconsin
by Arno M. Klausmeier, SEWRPC Librarian, with Assistance from Scott K. Enk, SEWRPC Senior Editor

ANNUAL REPORTS

1961,* 1962,* 1963, 1964, 1965, 1966, 1967, 1968, 1969,* 1970, 1971, 1972,* 1973, 1974, 1975, 1976, 1977, 1978,* 1979,* 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, and 1998

CONFERENCE PROCEEDINGS

- 1st Regional Planning Conference, December 6, 1961*
- 2nd Regional Planning Conference, November 4, 1962*
- 3rd Regional Planning Conference, November 20, 1963*
- 4th Regional Planning Conference, May 12, 1965*
- 5th Regional Planning Conference, October 26, 1965*
- 6th Regional Planning Conference, May 6, 1969
- 7th Regional Planning Conference, January 19, 1972
- 8th Regional Planning Conference, October 16, 1974
- Regional Conference on Sanitary Sewerage System User and Industrial Waste Treatment Recovery Charges, July 18, 1974
- 9th Regional Planning Conference, April 14, 1976
- 10th Regional Planning Conference, March 15, 1978
- 11th Regional Planning Conference, April 19, 1979
- 12th Regional Planning Conference, January 31, 1980*
- 13th Regional Planning Conference, November 9, 1983
- 14th Regional Planning Conference, May 13, 1985
- 15th Regional Planning Conference, November 14, 1988
- 16th Regional Planning Conference, May 5, 1992
- 17th Regional Planning Conference, June 27, 1994

NEWSLETTERS

Volumes 2-39

TRANSPORTATION IMPROVEMENT PROGRAMS

- A Transportation Improvement Program for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1978-1982, December 1977*
- A Transportation Improvement Program for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1979-1983, December 1978*
- A Transportation Improvement Program for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1980-1984, December 1979*
- A Transportation Improvement Program for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1981-1985, December 1980*
- A Transportation Improvement Program for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1982-1986, December 1981*
- A Transportation Improvement Program for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1983-1987, December 1982*
- A Transportation Improvement Program for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1984-1988, December 1983*
- A Transportation Improvement Program for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1985-1989, December 1984*
- A Transportation Improvement Program for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1986-1990, December 1985*
- A Transportation Improvement Program for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1987-1991, December 1986*

TRANSPORTATION IMPROVEMENT PROGRAMS—continued

- A Transportation Improvement Program for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1988-1992, December 1987*
- A Transportation Improvement Program for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1989-1993, December 1988
- A Transportation Improvement Program for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1990-1994, December 1989
- A Transportation Improvement Program for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1991-1995, December 1990
- A Transportation Improvement Program for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1992-1996, October 1991
- A Transportation Improvement Program for Southeastern Wisconsin: 1993-1998, December 1992
- A Transportation Improvement Program for Southeastern Wisconsin: 1995-1997, November 1994
- A Transportation Improvement Program for Southeastern Wisconsin: 1997-1999, September 1996
- A Transportation Improvement Program for Southeastern Wisconsin: 1998-2000, November 1997

OTHER

- Twenty-Five Years of Regional Planning, December 1985
- Economic Development Planning Staff Memorandum No. 94-01, Southeastern Wisconsin Region Industrial/Business Park Directory: July 1994, August 1994
- Scope of Work for a Detailed Planning Study of Commuter Rail and Bus Alternatives in the Kenosha-Racine-Milwaukee Corridor, July 1998
- Job Access and Reverse Commute Regional Transportation Plan, December 1998

*Out of print.



Appendix E

DAVID L. SCRIMA, S.C.
CERTIFIED PUBLIC ACCOUNTANT
328 WEST SUNSET DRIVE
WAUKESHA, WISCONSIN 53189

TELEPHONE
(414) 542-8401
FAX 542-8713

MEMBER
WISCONSIN INSTITUTE CPA'S
AMERICAN INSTITUTE OF
CERTIFIED PUBLIC ACCOUNTANTS

INDEPENDENT AUDITOR'S REPORT

To the Commissioners of
Southeastern Wisconsin
Regional Planning Commission
Waukesha, Wisconsin

We have audited the accompanying general purpose financial statements of Southeastern Wisconsin Regional Planning Commission, as of and for the year ended December 31, 1999, as listed in the table of contents. These general purpose financial statements are the responsibility of Southeastern Wisconsin Regional Planning Commission's management. Our responsibility is to express an opinion on these general purpose financial statements based on our audit.

We conducted our audit in accordance with generally accepted auditing standards and the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the general purpose financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and the disclosures in the general purpose financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall general purpose financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the general purpose financial statements referred to above present fairly, in all material respects, the financial position of Southeastern Wisconsin Regional Planning Commission, as of December 31, 1999, and the results of its operations for the year then ended in conformity with generally accepted accounting principles.

In accordance with Government Auditing Standards, we have also issued our report dated March 13, 2000, on our consideration of Southeastern Wisconsin Regional Planning Commission's internal control over financial reporting and our tests of its compliance with certain provisions of laws, regulations, contracts and grants.

Our audit was performed for the purpose of forming an opinion on the general purpose financial statements taken as a whole. The accompanying schedule of expenditures of federal and state of Wisconsin awards is presented for purposes of additional analysis as required by U.S. Office of Management and Budget Circular A-133, Audits of States, Local Governments, and Non-Profit Organizations, and is not a required part of the general purpose financial statements of Southeastern Wisconsin Regional Planning Commission. Such information has been subjected to the auditing procedures applied in the audit of the general purpose financial statements and, in our opinion, is fairly stated, in all material respects, in relation to the general purpose financial statements taken as a whole.

David L. Scrima S.C.

David L. Scrima, S.C.
Waukesha, Wisconsin
March 13, 2000

Southeastern Wisconsin Regional Planning Commission
Combined Balance Sheet - All Fund Types and Account Groups

December 31, 1999

<u>Assets</u>	Governmental Fund Types		Account Groups		(Memorandum Only)	
	General		Special Revenue		General	
			Fixed Assets		1999	1998
Treasurer's cash	\$ 2,023,077	\$ 364,984	\$ 2,023,077	\$ 364,984	\$ 2,075,912	\$ 641,168
Grants receivable					564,593	491,095
Contracts and service agreements receivable	564,593				291,759	36,508
Prepaid expense	291,759				1,315,472	1,315,472
Fixed assets					1,322,139	
Due from other funds	321,010				321,010	626,641
Total Assets	<u>\$ 3,200,439</u>	<u>\$ 364,984</u>	<u>\$ 1,315,472</u>	<u>\$ 4,880,895</u>	<u>\$ 5,193,463</u>	
 <u>Liabilities</u>						
State sales tax	\$ 252	\$ 252	\$ 278			
Accounts payable	303,073	43,974			347,047	671,923
Vacation accrual	188,061				188,061	161,736
Deferred revenue	359,564				359,564	515,325
Sick pay accrual	70,134				70,134	51,388
Due to other funds		321,010			321,010	626,641
Accrued payroll	157,348				157,348	131,317
Total Liabilities	<u>1,078,432</u>	<u>364,984</u>			<u>1,443,416</u>	<u>2,158,608</u>
 <u>Fund Equity</u>						
Investments in fixed assets			1,315,472			1,322,139
Fund Balances - designated	1,031,159				1,031,159	1,015,073
- undesignated	1,090,848				1,090,848	697,643
Total Fund Equity	<u>2,122,007</u>		<u>1,315,472</u>	<u>3,437,479</u>	<u>3,034,855</u>	
Total Liabilities and Fund Equity	<u>\$ 3,200,439</u>	<u>\$ 364,984</u>	<u>\$ 1,315,472</u>	<u>\$ 4,880,895</u>	<u>\$ 5,193,463</u>	

The accompanying accountant's audit report and notes to financial statements are an integral part of these statements

Southeastern Wisconsin Regional Planning Commission
Combined Statement of Revenues, Expenditures and Changes
in Fund Balance - All Governmental Fund Types

For the Year Ended December 31, 1999

<u>Revenues</u>	Governmental Fund Types				<u>Total</u>	
	General		Special Revenue			
	1999	1998	1999	1998		
Contributions from counties	\$ 1,892,680	\$ 2,606,376	\$ 1,892,680	\$ 1,796,780		
Grant Revenues					2,368,887	
Contract and service grants	1,208,865	662,029	1,870,894	1,896,082		
Pass-through grants	903,991		903,991	687,528		
Interest on invested funds	105,485		105,485	106,263		
Other income	107,951		107,951	120,728		
Total Revenues	<u>4,218,972</u>	<u>3,268,405</u>	<u>7,487,377</u>	<u>6,976,268</u>		
 <u>Expenditures</u>						
Salaries and fringe benefits	2,312,996	1,954,138	4,267,134	3,745,826		
Office and other expenses						
Technical consultants	845,848	154,281	1,000,129	1,372,896		
Technical consultants - pass-through	903,991		903,991	687,528		
Office supplies	79,351	6,487	85,838	76,468		
Insurance, audit, legal fees	45,643	63	45,706	45,941		
Library acquisition and dues	30,993	804	31,797	32,572		
Reprographics and publications	48,923	2,001	50,924	106,602		
Newsletter	326		326	1,594		
Postage expense	18,927		18,927	20,657		
Travel expense	27,708	17,722	45,430	47,038		
Telephone expense	25,506		25,506	31,344		
Rent	182,771		182,771	189,408		
Annual report	967		967	6,635		
Other operating expenses	11,954	4,564	16,518	3,750		
Unemployment compensation expense	712		712	2,080		
Auto / Office equipment / maintenance	313,316	1,016	314,332	189,353		
Capital outlay	87,078		87,078	434,827		
Regional conference				120		
Total Expenditures	<u>4,937,010</u>	<u>2,141,076</u>	<u>7,078,086</u>	<u>6,994,639</u>		
Excess (Deficit) Revenues Over Expenditures	(718,038)	1,127,329	409,291	(18,371)		
Indirect Expense Allocation	1,127,329	(1,127,329)				
Fund Balance - beginning of year	1,712,716	-	1,712,716	1,731,087		
Fund Balance - end of year	<u>\$ 2,122,007</u>	<u>\$ -</u>	<u>\$ 2,122,007</u>	<u>\$ 1,712,716</u>		

The accompanying accountant's audit report and notes to financial statements are an integral part of these statements.

Southeastern Wisconsin Regional Planning Commission
Combined Statement of Revenues, Expenditures and Changes
in Fund Balances - Budget and Actual - All Government Fund Types
For the Year Ended December 31, 1999

	<u>Budget</u>	<u>Actual</u>	<u>Variance Favorable (Unfavorable)</u>
Revenues			
Contributions from counties	\$ 1,892,680	\$ 1,892,680	\$
Grant revenues	2,364,370	2,606,376	242,006
Contract and service grants	1,335,120	1,870,894	535,774
Pass-through grants		903,991	903,991
Interest on invested funds		105,485	105,485
Other income		107,951	107,951
Total Revenues	5,592,170	7,487,377	1,895,207
Expenditures			
Salaries and fringe benefits	4,131,645	4,267,134	(135,489)
Office and other expenses			
Technical consultants	513,165	1,000,129	(486,964)
Technical consultants - pass-through		903,991	(903,991)
Office supplies	95,000	85,838	9,162
Insurance, audit, legal fees	44,500	45,706	(1,206)
Library acquisition and dues	30,000	31,797	(1,797)
Reprographics and publication	105,000	50,924	54,076
Newsletter	5,000	326	4,674
Postage expense	25,000	18,927	6,073
Travel expense	47,000	45,430	1,570
Telephone expense	30,000	25,506	4,494
Rent	209,500	182,771	26,729
Annual report	6,500	967	5,533
Other operating expenses	57,425	16,518	40,907
Unemployment compensation expense	3,000	712	2,288
Auto / office equipment / maintenance	108,435	314,332	(205,897)
Capital outlay	178,000	87,078	90,922
Regional conference	3,000		3,000
Total Expenditures	5,592,170	7,078,086	(1,485,916)
Excess Revenues Over Expenditures		409,291	409,291
Fund Balance - beginning of year	-	1,712,716	-
Fund Balance - end of year	\$ -	\$ 2,122,007	\$ -

The accompanying accountant's audit report and notes to financial statements are an integral part of these statements.

Southeastern Wisconsin Regional Planning Commission

Combined Notes to Financial Statements

For the Year Ended December 31, 1999

The accompanying summary of Southeastern Wisconsin Regional Planning Commission's more significant accounting policies is presented to assist the reader in interpreting the financial statements and other data in this report. These policies, as presented, should be reviewed as an integral part of the accompanying financial statements. The accounting policies of Southeastern Wisconsin Regional Planning Commission conform to generally accepted accounting principles as applicable to governmental units.

Note 1 - Summary of Significant Accounting Policies

Reporting Entity

The Commission uses the criteria set forth by the Governmental Accounting Standards Board to determine the scope of the Commission's reporting entity. The accompanying financial statements reflect all significant operations of the Commission which are under control of the Commissioners of Southeastern Wisconsin Regional Planning Commission.

Basis of Presentation

Southeastern Wisconsin Regional Planning Commission is a public agency serving the local communities within the counties of Kenosha, Milwaukee, Ozaukee, Racine, Walworth, Washington, and Waukesha.

The accounts of the Commission are organized on the basis of funds and account groups, each of which is considered a separate accounting entity. The operations of each fund are accounted for with a separate set of self-balancing accounts that comprise its assets, liabilities, fund equity, revenues, and expenditures. Government resources are allocated to and accounted for in individual funds based upon the purposes for which they are to be spent and the means by which spending activities are controlled. The following funds and account groups are used by the Commission:

Governmental Funds

General Fund - The General Fund is the general operating fund of the Commission. It is used to account for all financial resources except those required to be accounted for in another fund.

Special Revenue Fund - Special Revenue Funds are used to account for the specific revenue sources (other than major capital projects) that are legally restricted to expenditures for specified purposes.

Southeastern Wisconsin Regional Planning Commission

Combined Notes to Financial Statements

For the Year Ended December 31, 1999

Note 1 - Summary of Significant Accounting Policies (Cont'd)

Account Group

General Fixed Asset Group - Used to account for fixed assets not accounted for in any other fund.

Total (Memorandum Only) - The column captioned Total (Memorandum Only) in the combined financial statements is a total of the columnar statements by fund type and account groups. The total column is not comparable to a consolidation and does not present financial position and results of operations in conformity with generally accepted accounting principles because the same basis of accounting is not used by all funds and interfund transactions and balances and account groups balancing accounts have not been eliminated.

Budget

The Commissions annual budget is prepared principally on the cash basis and represents departmental appropriations as authorized and any authorized revisions during the year to reflect changes in programs and activities. The budget cash basis differs from generally accepted accounting principles (GAAP). Actual amounts in the accompanying budgetary comparison statement are presented on the modified accrual basis.

Cash and Cash Equivalents

In addition to bank accounts and petty cash, this classification includes all short-term investments.

Basis of Accounting

The modified accrual basis of accounting is followed by the governmental funds. Under the modified accrual basis those items of revenue for which a valid receivable can be determined in advance of their due date should be recognized on the accrual basis. All other items are recognized on the cash basis because the time of collection generally coincides with the determination of the amount. Expenditures are recognized when a liability to be met from fund assets is incurred.

Fixed Assets

Governmental general fixed assets acquired during the year ended December 31, 1999 are recorded as expenditures in the governmental funds. Generally accepted accounting principles require that these fixed assets be capitalized at cost in the general fixed assets account group.

Southeastern Wisconsin Regional Planning Commission

Combined Notes to Financial Statements

For the Year Ended December 31, 1999

Note 1 - Summary of Significant Accounting Policies (Cont'd)

Accrued Sick Leave

The Commission accrues up to 130 days for sick leave when an employee retires. The employee may use these funds to purchase health insurance after they retire.

Accrued Vacation

The Commission accrues unused vacation time since the unused vacation time is cumulative from year to year. The maximum accrual per individual is 30 days.

Fund Balances

The Commission classifies its fund equity as follows:

Designated Fund Balances - indicates that portion of fund equity, which has been segregated for specific purposes.

Undesignated Fund Balances - indicates that portion of fund equity, which is available for budgeting or other uses in future periods.

Note 2 - General Fixed Asset Group

The following is a cost breakdown of fixed assets as of December 31 of the year indicated. Generally accepted accounting principles require that these fixed assets be capitalized at the original cost. Fair market value at liquidation would be different from these values.

	1999	1998
Office furniture	\$ 199,555	\$ 199,704
Computers and related equipment	467,616	519,134
Office equipment	430,288	425,447
Automobiles	193,275	163,836
Field equipment	24,738	14,018
	\$ 1,315,472	\$ 1,322,139

Combined Notes to the Financial StatementsFor the Year Ended December 31, 1999Combined Notes to the Financial StatementsFor the Year Ended December 31, 1999Note 3 - Employee Retirement Plan

All eligible Southeastern Wisconsin Regional Planning Commission employees participate in the Wisconsin Retirement System, a cost-sharing multiple-employer public employee retirement system (PERS). The payroll for employees covered by the system for the year ended December 31, 1999 was \$2,700,651 the employer's total payroll was \$2,962,676.

All permanent employees expected to work over 600 hours a year are eligible to participate in the System. Covered employees in the general category are required by statute to contribute 6.2% of their salary (4.7% for Executives and Elected Officials, 5.4% for Protective Occupations with Social Security, and 5.8% for Protective Occupations without Social Security), to the plan. Employers may make these contributions to the plan on behalf of employees. Employers are required to contribute the remaining amounts necessary to pay the projected cost of future benefits. The total required contribution for the year ended December 31, 1999 was \$282,708, which consisted of \$134,402, or 5.8% of payroll from the employer and \$148,306, or 6.4% of payroll from employees. Total contributions for the years ending December 31, 1999 and 1998 were \$282,708 and \$302,855, respectively, equal to the required contributions for each year.

Employees who retire at or after age 65, are entitled to receive a retirement benefit. Employees may retire at age 55, (50 for protective occupation employees), and receive actuarially reduced benefits. Retirement benefits are calculated as 1.6% (2.0% for Executives, Elected Officials, and Protective Occupations with Social Security and 2.5% for Protective Occupations without Social Security) of final average earnings for each year of creditable service. Final average earnings is the average of the employees' three highest years earnings. Employees terminating covered employment before becoming eligible for a requirement benefit may withdraw their contributions and, by doing so, forfeit all rights to any subsequent benefit. For employees beginning participation after 1/1/90, creditable service in each of five years is required for eligibility for a retirement annuity. Participants employed prior to 1990 and on or after April 24, 1998 are immediately invested.

The System also provides death and disability benefits for employees. Eligibility for and the amount of all benefits is determined under Chapter 40 of the State Statutes.

The "pension benefit obligation" is a standardized disclosure measure of the present value of pension benefits, adjusted for the effects of projected salary increases, estimated to be payable in the future as a result of employee service to date and disregarding the Wisconsin Retirement System funding objective of maintaining stable contribution rates over the long-term future. The measure, which is the actuarial present value of credited projected benefits, is intended to help users assess the System's funding status on a going-concern basis, assess progress made in accumulating sufficient assets to pay benefits when due, and make comparisons among PERS and employers. The System does not make separate measurements of assets and pension benefit obligation of individual employers.

Note 4 - Cash and Temporary Investments

Cash and temporary investment balances as disclosed on the accompanying financial statements are comprised of the following:

Cash on hand and on deposit	\$ 764,401
Temporary cash investments	1,258,676

	\$ 2,023,077
	=====

Note 5 - Cognizant Agency

The cognizant agency for the Single Audit report is the Wisconsin Department of Transportation.

Note 6 - CommitmentsRent

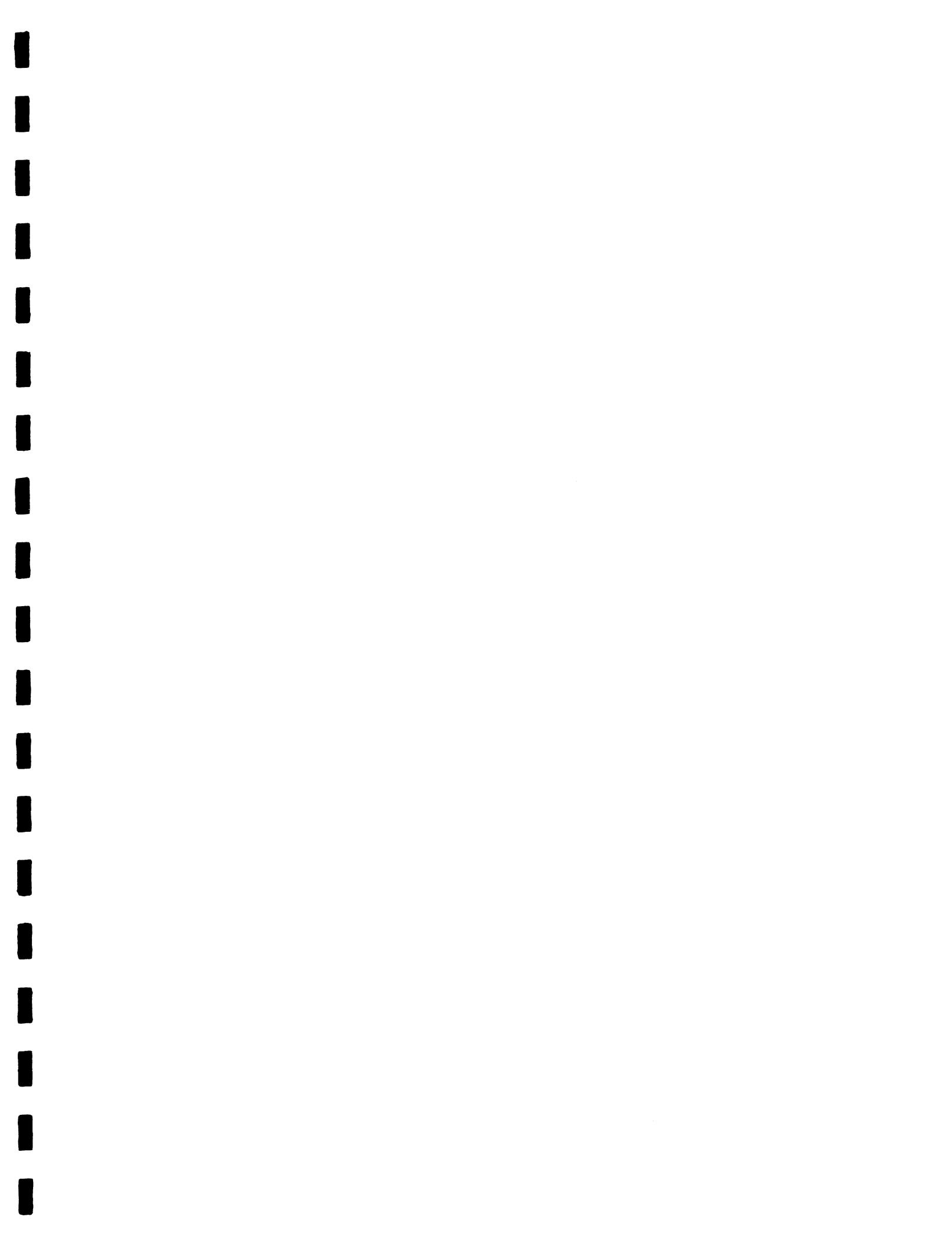
The Commission leases space from Waukesha County under a lease agreement that runs through December 31, 2002. The Commission has the option of renewing the lease for two successive periods of five years each. The minimum lease payments are as follows: 2000 - \$178,821, 2001 - \$178,821, 2002 - \$178,821. The Commission leases 32 parking spaces at 111 East Main Street. The Commission paid for improvements to the land in lieu of rent payments until the end of the lease on August 31, 2003. The commission has the option of renewing the lease for an additional five years at \$22.00 per month per space.

Note 7 - Designated Funds

The Commission has designated the following funds for future purposes:

Surveying and mapping services trust	\$ 121,159.00
Equipment replacement	50,000.00
Errors and Omissions Insurance	50,000.00
Unemployment Compensation Trust	200,000.00
Computer Graphics Reserve Account	350,000.00
Office Computer Reserve Account	260,000.00

	\$ 1,031,159.00





PHILIP C. EVENSON, AICP
EXECUTIVE DIRECTOR

OLD COURTHOUSE
P. O. BOX 1607
916 N. EAST AVE.
WAUKESHA, WISCONSIN
53187-1607
PHONE: (262) 547-6721
FAX: (262) 547-1103