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1976 ANNUAL REPORT



Graduate Research Center
Dept. of Urban & Regional Planning
The University of Wisconsin-Madison

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

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William D. McElwee, P.E. Chief Environmental Planner

Thomas D. Patterson Chief of Planning Research

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SIXTEENTH ANNUAL REPORT

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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October 1977

Graduate Research Center
Dept. of Urban & Regional Planning
The University of Wisconsin-Madison

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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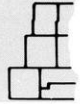
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October 10, 1977

TO: The State Legislature of Wisconsin 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, the Commission each calendar year prepares, publishes, and certifies an Annual Report to the State Legislature of Wisconsin and to the legislative bodies of the constituent county and local units of government within the Region. This, the 16th Annual Report of the Commission, summarizes the accomplishments of the Commission for the calendar year 1976 and contains a statement of financial position of the Commission as certified by an independent auditor.

The Commission Annual Report is intended to serve a number of functions in addition to meeting the specific legislative requirement noted above. As a publication documenting activities conducted during the year under the continuing regional land use-transportation study, it serves as an Annual Report to the federal and state Departments of Transportation. In addition, the Annual Report is intended to meet certain requirements of the U.S. Department of Housing and Urban Development, including a yearly account of progress and planning for the resolution of housing problems in the Region. Most importantly, however, the Commission Annual Report is intended to provide county and local public officials and interested citizens with a comprehensive overview of current and proposed Commission activities and thereby to provide a focal point for the promotion of regional plan preparation and implementation. Consequently, the Commission Annual Report is lengthy in comparison to the annual reports of other planning agencies in the state and nation, being intended to serve as a permanent working reference document concerning the activities of the Commission rather than as a document to be perused and discarded.

The 1976 Annual Report has been reorganized to present the report material by each of the major working Divisions of the Commission. The Commission has eight such Divisions, including four planning divisions—transportation, environmental, land use and housing, and community assistance—and four support divisions—planning research, administrative services, systems engineering and data processing, and cartographic and graphic arts. The Commission hopes that this reorganization will make the report more useful to the intended users.

During 1976 the Commission adopted two new regional plan elements: a regional airport system plan and a transit development plan for the Kenosha urbanized area. Significant progress was made during the year in moving toward new regional land use and surface transportation plans, a comprehensive plan for the Menomonee River watershed, and an areawide water quality management plan.

The Commission believes that significant progress has been made in gathering and maintaining in current form the planning and engineering data required to make sound areawide development decisions within the Region, in cooperatively preparing and adopting key elements of the comprehensive plan for the development of the Region, and in working toward the implementation of those plan elements to create a better environment for working and living within the Region. The progress achieved to date reflects a strong commitment in southeastern Wisconsin toward a voluntary system of cooperative, areawide, intergovernmental planning.

Respectfully submitted,

George C. Berteau
Chairman

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ABOUT THE COMMISSION

AUTHORITY

The Southeastern Wisconsin Regional Planning Commission was established in 1960 under Wisconsin Statutes Section 66.945. The Commission serves as a forum for the discussion of intergovernmental problems and represents an attempt to provide the basic information and planning services necessary to solve areawide problems on a voluntary, cooperative basis. The Commission attempts to identify the desirable general pattern of future development in the Region and to plan the systems needed to serve that development.

AREA SERVED

The Commission serves a Region consisting of the seven counties of Kenosha, Milwaukee, Ozaukee, Racine, Walworth, Washington, and Waukesha. These seven counties have an area of 2,689 square miles, about 5 percent of the total area of the State, and house about 1.82 million persons, about 39 percent of the total population of the State. The seven counties provide about 782,000 jobs, or about 38 percent of the total employment of the State, and contain about \$25.7 billion of equalized valuation, or about 39 percent of the tangible wealth of the State as measured by such valuation. There are 154 general purpose local units of government in these seven counties, of which all but three participate in the work of the Commission.

BASIC CONCEPTS

Regional or areawide planning has become increasingly accepted as a necessary governmental function in the metropolitan areas of the United States. There is a growing awareness that problems of physical and economic development and environmental deterioration go beyond the geographic limits and fiscal capabilities of local units of government. These problems require the cooperation of all units and agencies of government for sound resolution.

As used by the Commission, the term "Region" means an area larger than a county but smaller than a state, united by economic interests and geography and by common developmental and environmental problems. A regional basis is neces-

sary to provide a meaningful technical approach to the development of areawide systems of public works, including highway and transit, sewerage and water supply, and park and open space facilities. A regional basis is also essential to a sound approach to resolving such environmental problems as flooding, air and water pollution, natural resource base deterioration, and changing land use.

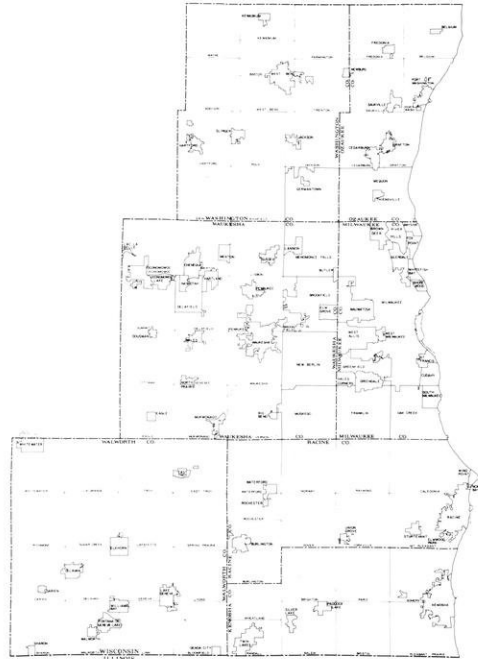
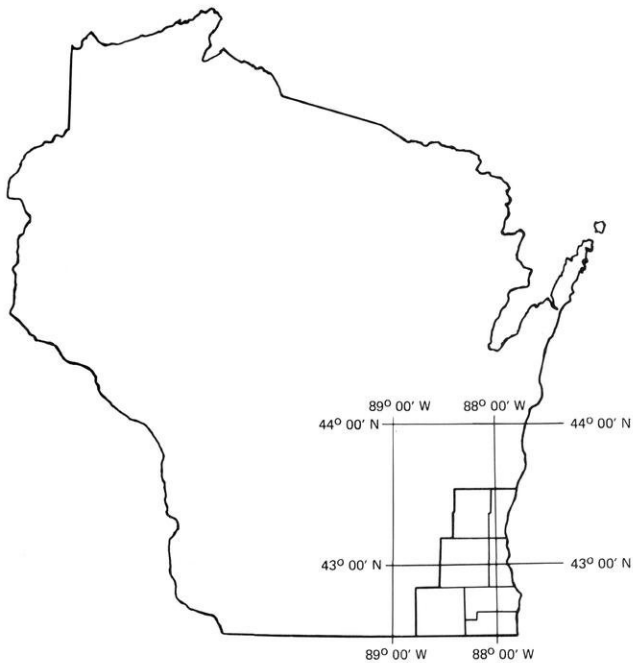
Both public and private interests are vitally affected by these areawide problems and by proposed solutions to these problems. It is neither desirable nor possible for any one level or agency of government to impose the decisions required to solve these areawide problems. Such decisions can better come from a consensus of the public and private interests concerned, based on a common interest in the welfare of the entire Region. Regional planning is necessary for promoting this consensus and the necessary cooperation between urban and rural, local and state, and public and private interests.

The Commission does not regard regional planning as a substitute for federal, state, and local public planning, or private planning. Rather, regional planning is seen as a vital supplement to such planning. Because the work of the Commission is advisory in nature, 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 associates high quality technical work and accurate data with the active participation of public agencies and private interests to provide the basis for development decisions that lead not only to a more efficient physical 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 function involves the collection, analysis, and dissemination of basic 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 utili-

THE SOUTHEASTERN WISCONSIN REGION



zation of such a data bank can in and of itself contribute to better development decisionmaking in 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 Statute. While the scope and content of these plans can broadly extend to all phases of regional development, the Commission believes that emphasis should be placed on plans for land use and supporting transportation, utility, and community facilities.

The third basic function involves the provision of a center for the coordination of the day-to-day planning and plan implementation activities of governments in the Region. Through this function, the Commission seeks to promote regional plan implementation.

ORGANIZATION

The Commission consists of 21 members—three from each county—who serve without pay. One Commissioner from each county is appointed by the county board and is an elected county board supervisor. The remaining two from each county are appointed by the governor, with one appointee being from a list prepared by the county board.

OLD COURTHOUSE, COMMISSION OFFICES WAUKESHA COUNTY



The full Commission meets at least four times a year and 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 meets

monthly to oversee 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 meets monthly to oversee the routine but essential housekeeping activities of the Commission. The Planning and Research Committee meets at least monthly and 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 the communication process with the constituent county boards. The Committee meets as necessary to consider intergovernmental problems. The Commission and committee rosters are set forth in Appendix A.

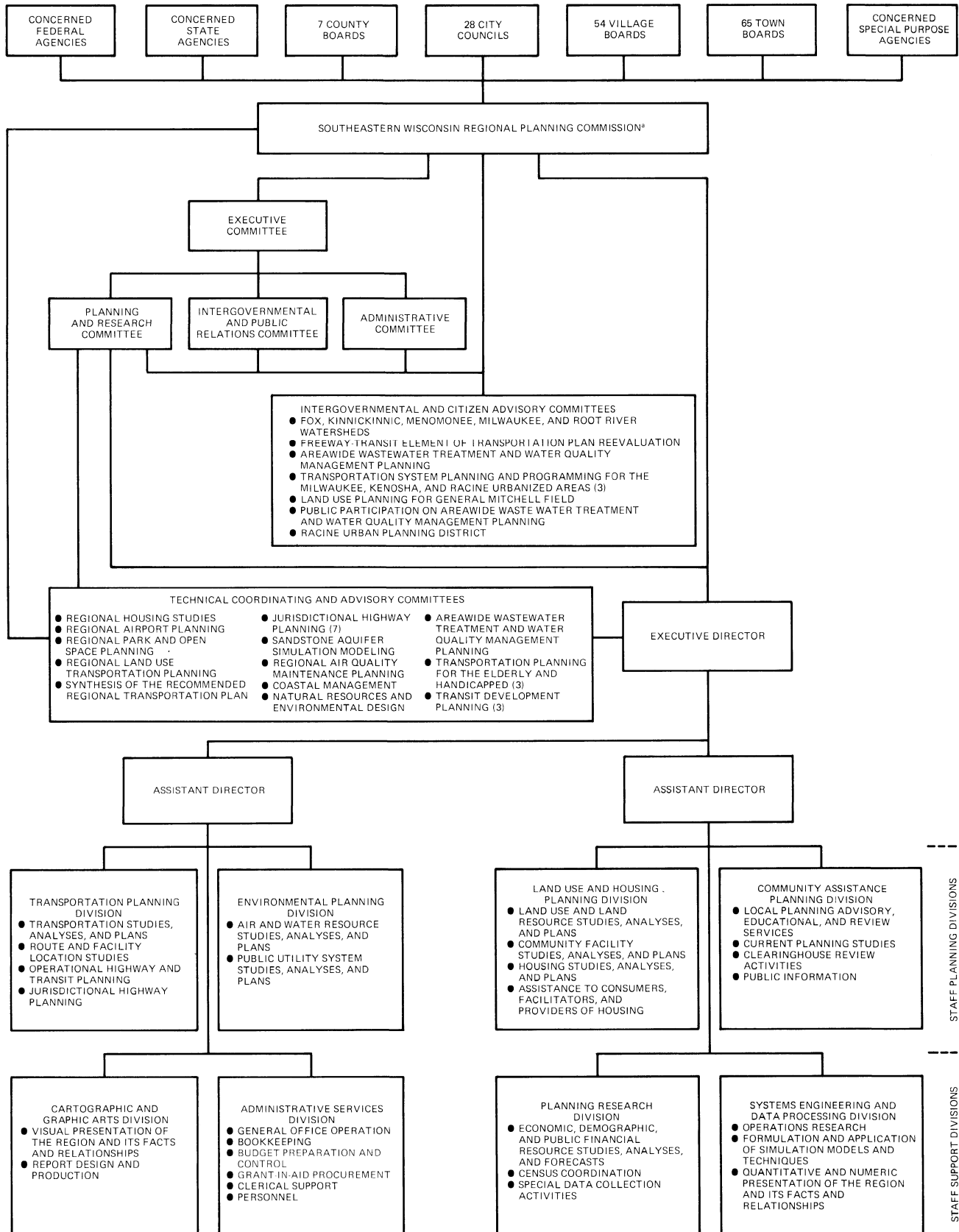
The Commission is assisted in its work by 36 technical, citizen and intergovernmental coordinating and advisory committees. These committees include both public officials and interested private citizens with expert knowledge in Commission work areas. The committees perform a significant function in both the formulation and execution of the Commission work programs. Membership on the advisory committees, which totals over 700 persons, is set forth in Appendix B.

STAFFING

The Commission prepares an annual work program which is received and approved by federal and state 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 underway. At the end of 1976, the staff totaled 156, including 98 full-time and 58 part-time employees. Interagency staff assignments during the year involved six professional and technical personnel from the Wisconsin Department of Transportation, the Wisconsin Department of Natural Resources, and the University of Wisconsin-Extension.

The Commission is organized into eight divisions. Four of these divisions—Transportation Planning, Environmental Planning, Land Use and Housing Planning, and Community Assistance Planning—have direct responsibility for the conduct of the Commission's major planning programs. The remaining four divisions—Planning Research, Administrative Services, Systems Engineering and Data Processing, and Cartographic and Graphic Arts—provide day-to-day support of the four planning divisions.

SEWRPC ORGANIZATIONAL STRUCTURE



* THE COMMISSION IS COMPOSED OF 21 CITIZEN MEMBERS, THREE FROM EACH COUNTY, WHO SERVE WITHOUT PAY.

1976 MEETINGS

COMMISSION AND ADVISORY COMMITTEE MEETINGS

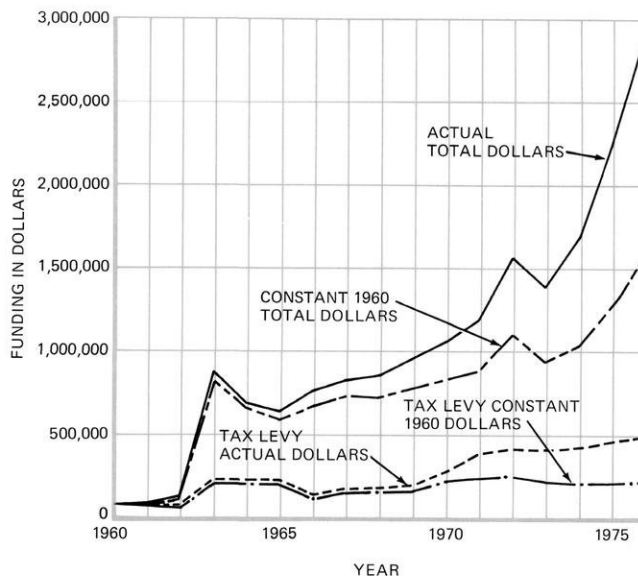
Full Commission	5	Task Force on Synthesis of the Recommended Regional Transportation Plan	1
Executive Committee	9	Watershed Committees	
Administrative Committee	7	Root River	1
Planning and Research Committee	6	Fox River	0
Intergovernmental and Public Relations Committee	0	Milwaukee River	0
Technical Coordinating and Advisory Committee on Regional Land Use-Transportation Planning		Menomonee River	7
Land Use Subcommittee	5	Kinnickinnic River	1
Highway Subcommittee	6	Technical Coordinating and Advisory Committee on Sandstone Aquifer Simulation Modeling	1
Transit Subcommittee	6	Technical Advisory Committee on Areawide Wastewater Treatment and Water Quality Management Planning	7
Socioeconomic Subcommittee	0	Intergovernmental Coordinating Committee on Areawide Wastewater Treatment and Water Quality Management Planning	1
Utility Subcommittee	0	Citizens Advisory Panel for Public Participation on Areawide Wastewater Treatment and Water Quality Management Planning	4
Natural and Recreation-Related Resources Subcommittee	0	Technical Advisory Committee on Natural Resources and Environmental Design	1
Traffic Studies, Models, and Operations Subcommittee	1	Technical Coordinating and Advisory Committee on Regional Air Quality Maintenance Planning	6
Citizens Advisory Committee on the Freeway Transit Element of the Regional Land Use- Transportation Planning Reevaluation	6	Technical and Citizen Advisory Committee on Coastal Management in Southeastern Wisconsin	9
Technical Coordinating and Advisory Committee on Regional Airport Planning	0	Technical and Citizen Advisory Committee on Regional Park and Open Space Planning	4
Technical and Intergovernmental Coordinating and Advisory Committees on Jurisdictional Highway System Planning		Technical and Citizen Advisory Committee on Regional Housing Studies	0
Kenosha County	0	Racine Urban Planning District Citizens Advisory Committee	0
Milwaukee County	1		
Ozaukee County	0	STAFF TECHNICAL MEETINGS	
Racine County	0	Executive Director	317
Walworth County	0	Assistant Directors	184
Washington County	0	Administrative Services Division	7
Waukesha County	0	Cartographic and Graphic Arts Division	23
Technical Coordinating and Advisory Committee on Transit Development for the Kenosha Planning District	0	Community Assistance Planning Division	6
Technical Coordinating and Advisory Committee on Transit Development for the Racine Planning District	0	Environmental Planning Division	190
Waukesha Mass Transit Citizens and Technical Advisory Committee	2	Land Use and Housing Planning Division	110
Community Advisory Committee on Land Use Planning for the General Mitchell Field Master Planning Study	0	Planning Research Division	65
Intergovernmental Coordinating and Advisory Committees on Transportation System Planning and Programming		Transportation Planning Division	95
Kenosha Urbanized Area	0		
Milwaukee Urbanized Area	1	STAFF SPEAKING ENGAGEMENTS	
Racine Urbanized Area	0	Executive Director	105
Technical Coordinating and Advisory Committees on Transportation Planning for the Elderly and Handicapped		Assistant Directors	64
Kenosha and Walworth Counties	1	Administrative Services Division	6
Milwaukee, Ozaukee, Washington, and Waukesha Counties	1	Community Assistance Planning Division	6
Racine County	1	Environmental Planning Division	38
		Land Use and Housing Planning Division	10
		Planning Research Division	3
		Transportation Planning Division	4

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 heavily supplemented by state and federal aids. Revenues received by the Commission during 1976 totaled about \$2.96 million. County tax levies in 1976 totaled \$493,700. The sources of this revenue for 1976 and the trend in funding since the inception of the Commission in 1960 are shown in the accompanying figures.

The Commission has a complete financial audit performed each year by a certified public accountant. The report of this audit for 1976 is set forth in full in Appendix D. In addition to the Commission's own audit, the federal and state funding agencies perform periodic independent audits of projects to which they contribute financial support.

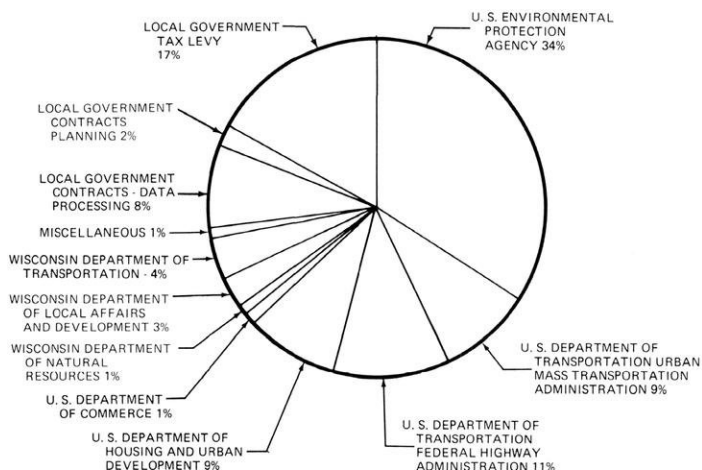
FUNDING TREND 1960-1976



1976 REVENUES AND EXPENDITURES

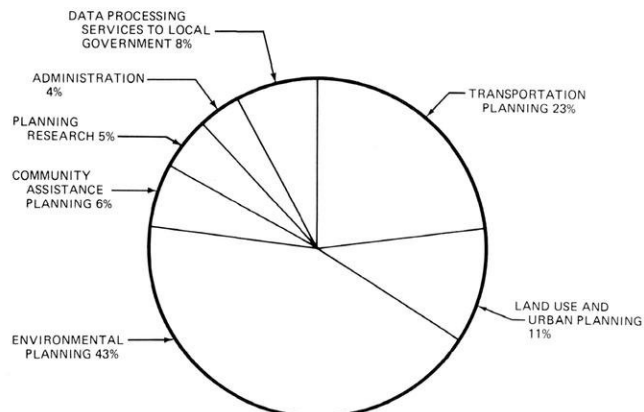
REVENUES

Federal Government	\$1,904,212	65%
State Government	229,407	8%
Local Government Tax Levy	493,705	17%
Local Government Contracts	302,884	10%
Miscellaneous	44,252	1%
Total	\$2,974,460	100%



EXPENDITURES

Transportation Planning	\$ 692,482	23%
Land Use and Housing Planning	327,015	11%
Planning Research	130,994	5%
Environmental Planning	1,273,575	43%
Community Assistance Planning	189,206	6%
Data Processing Services to Local Governments	237,828	8%
Administration	123,360	4%
Total	\$2,974,460	100%



THE EVOLVING COMPREHENSIVE PLAN FOR THE REGION

PLAN DESIGN FUNCTION

The Commission function of plan design consists of the preparation of a framework of long-range plans for the physical development of the Region, with such plans being limited to those functional elements having areawide significance. The Commission is charged by law with the function and duty of "making and adopting a master plan for the physical development of the Region." 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, set forth a rational process of preparing a series of integrated plan elements based primarily upon an underlying and very basic regional land use plan. The Commission believes the importance of securing agreement upon areawide development plans and 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 is considered to be the primary objective of the planning process; and all planning and plan implementation techniques are based upon, or related to, the comprehensive plan. The validity of the concept of the comprehensive plan has been questioned in recent

years and its application in fact opposed by some segments of the planning profession. The Commission believes, however, that the comprehensive plan remains a viable and valid concept, 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 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 seeking to consider all of the relationships involved both within the system being designed and between the system and its environment.

ADOPTED PLAN ELEMENTS—1976

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 1970's, this plan design function has included major plan reappraisal as well as the preparation of new plan elements.

By the end of 1976 the adopted regional plan consisted of 21 individual plan elements. These plans are identified in the accompanying table. Three of these plan elements—dealing with regional land use, regional housing, and regional library facilities and services—were prepared by the Commission's Land Use and Housing Planning Division. Twelve of the plan elements relate to transportation and were prepared by the Commission's Transportation Planning Division. These consist of the regional transportation plan (highways and transit), the regional airport system plan, the seven individual county jurisdictional highway system plans, and transit development plans for the Kenosha, Racine, and Milwaukee urbanized areas.

THE ADOPTED REGIONAL PLAN--1976

Functional Area	Plan Element	Plan Document	Date of Adoption
Land Use, Housing, and Community Facility Planning	Regional Land Use Plan	Planning Report No. 7, <u>The Regional Land Use-Transportation Study, Volume One, Inventory Findings--1963; Volume Two, Forecasts and Alternative Plans--1990; Volume Three, Recommended Regional Land Use-Transportation Plan--1990</u>	December 1, 1966
	Regional Library Facilities and Services Plan	Planning Report No. 19, <u>A Library Facilities and Services Plan for Southeastern Wisconsin</u>	September 12, 1974
	Regional Housing Plan	Planning Report No. 20, <u>A Regional Housing Plan for Southeastern Wisconsin</u>	June 5, 1975
Transportation Planning	Regional Transportation Plan	Planning Report No. 7, <u>The Regional Land Use-Transportation Study, Volume One, Inventory Findings--1963; Volume Two, Forecasts and Alternative Plans--1990; Volume Three, Recommended Regional Land Use-Transportation Plan--1990</u>	December 1, 1966
	Milwaukee County Jurisdictional Highway System Plan	Planning Report No. 11, <u>A Jurisdictional Highway System Plan for Milwaukee County</u>	June 4, 1970
	Milwaukee Area Transit Plan	<u>Milwaukee Area Transit Plan</u>	March 2, 1972
	Walworth County Jurisdictional Highway System Plan	Planning Report No. 15, <u>A Jurisdictional Highway System Plan for Walworth County</u>	March 1, 1973
	Ozaukee County Jurisdictional Highway System Plan	Planning Report No. 17, <u>A Jurisdictional Highway System Plan for Ozaukee County</u>	March 7, 1974
	Racine Area Transit Development Plan	Community Assistance Planning Report No. 3, <u>Racine Area Transit Development Program, 1975-1979</u>	September 12, 1974
	Waukesha County Jurisdictional Highway System Plan	Planning Report No. 18, <u>A Jurisdictional Highway System Plan for Waukesha County</u>	June 5, 1975
	Kenosha County Jurisdictional Highway System Plan	Planning Report No. 24, <u>A Jurisdictional Highway System Plan for Kenosha County</u>	September 11, 1975
	Washington County Jurisdictional Highway System Plan	Planning Report No. 23, <u>A Jurisdictional Highway System Plan for Washington County</u>	September 11, 1975
	Racine County Jurisdictional Highway System Plan	Planning Report No. 22, <u>A Jurisdictional Highway System Plan for Racine County</u>	December 4, 1975
	Regional Airport System Plan	Planning Report No. 21, <u>A Regional Airport System Plan for Southeastern Wisconsin</u>	March 4, 1976
	Kenosha Area Transit Development Plan	Community Assistance Planning Report No. 7, <u>Kenosha Area Transit Development Program: 1976-1980</u>	June 3, 1976

THE ADOPTED REGIONAL PLAN--1976

Functional Area	Plan Element	Plan Document	Date of Adoption
Environmental Planning	Root River Watershed Plan	Planning Report No. 9, <u>A Comprehensive Plan for the Root River Watershed</u>	September 22, 1966
	Fox River Watershed Plan	Planning Report No. 12, <u>A Comprehensive Plan for the Fox River Watershed, Volume One, Inventory Findings and Forecasts; Volume Two, Alternative Plans and Recommended Plan</u>	June 4, 1970
	Amendment--Water Pollution Control Time Schedule	<u>Amendment to the Comprehensive Plan for the Fox River Watershed</u>	September 13, 1973
	Amendment--Lower Watershed Drainage Plan	Community Assistance Planning Report No. 5, <u>Drainage and Water Level Control Plan for the Waterford-Rochester-Wind Lake Area of the Lower Fox River Watershed</u>	June 5, 1975
	Milwaukee River Watershed Plan	Planning Report No. 13, <u>A Comprehensive Plan for the Milwaukee River Watershed, Volume One, Inventory Findings and Forecasts; Volume Two, Alternative Plans and Recommended Plan</u>	March 2, 1972
	Regional Sanitary Sewerage System Plan	Planning Report No. 16, <u>A Regional Sanitary Sewerage System Plan for Southeastern Wisconsin</u>	May 13, 1974
Community Assistance Planning	Kenosha Planning District Comprehensive Plan	Planning Report No. 10, <u>A Comprehensive Plan for the Kenosha Planning District, Volumes One and Two</u>	June 1, 1972
	Racine Urban Planning District Comprehensive Plan	Planning Report No. 14, <u>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</u>	June 5, 1975

Four of the adopted plan elements fall within the broad functional area of environmental planning and were prepared by the Commission's Environmental Planning Division. These consist of the regional sanitary sewerage system plan and comprehensive watershed development plans for the Root, Fox, and Milwaukee River watersheds.

The final two plan elements were prepared by the Commission's Community Assistance Planning Division and consist of comprehensive community development plans for the Racine and Kenosha urbanized areas.

PLAN ELEMENTS UNDER PREPARATION

At the beginning of 1977 the Commission had underway nine major planning programs designed

to prepare new regional plan elements or to revise existing adopted plan elements. New regional plan elements were to be provided by the Menomonee River watershed study, with adoption of this plan scheduled to occur early in 1977; the regional park and open space planning program, with completion and plan adoption scheduled for late 1977; the Kinnickinnic River watershed study, with completion and plan adoption scheduled for early 1978; the regional air quality maintenance planning program, with completion and plan adoption scheduled for early 1978; the areawide water quality management planning program, with completion and plan adoption scheduled for late 1977; the regional sludge management planning program, with completion and adoption scheduled for late 1977; and the regional elderly-handicapped transportation planning program, with completion and adoption scheduled for mid-1977.

The remaining two work programs relate to a comprehensive reevaluation of the regional land use and regional transportation plans initially adopted more than a decade ago. These two revised plan elements, together with a short-range transportation system management element, are scheduled for completion and adoption late in 1977.

POSSIBLE FUTURE WORK PROGRAMS

Depending upon future funding, the Commission intends to carry out, in addition to a series of

continuing planning programs designed to ensure that the already adopted plan elements are kept up to date, planning programs designed to prepare the following additional plan elements: an Oconomowoc River watershed plan, a Bark River watershed plan, a regional water supply system plan, a regional solid waste management plan, a regional mineral conservation plan, and a Lake Michigan direct drainage area and estuary plan. A bar chart summarizing all past, present, and anticipated future work programs is set forth in Appendix D.

LAND USE AND HOUSING PLANNING DIVISION

DIVISION FUNCTIONS

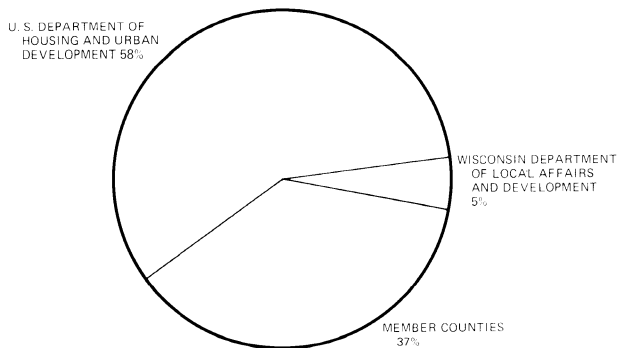
The Commission's Land Use and Housing Planning Division provides recommendations concerning the physical aspects of land use development. Among the basic questions to which answers are sought are the following:

- What is the existing pattern of land use development? How is this pattern changing over time?
- Where are our natural resources, including wetlands, woodlands, wildlife habitat areas, prime agricultural lands, and soils? What is happening to these resources over time?
- From an areawide perspective, what appears to be the best way to accommodate future growth and development?

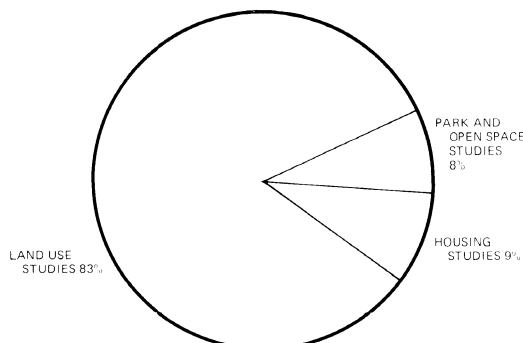
- How can new urban development be adjusted to the limitations of the natural resource base?
- How much of the various land uses is needed to accommodate new urban growth?
- What is the need for housing in both physical and economic terms?
- How much publicly-assisted housing is needed in the Region and where should it be located?

In an attempt to find sound answers to these and other questions, the Land Use and Housing Planning Division during 1976 conducted a number of activities in three identifiable areas: land use planning, park and open space planning, and housing planning.

LAND USE AND HOUSING DIVISION
1976 FUNDING
\$327,015



DISTRIBUTION OF FUNDING
TO WORK PROGRAMS



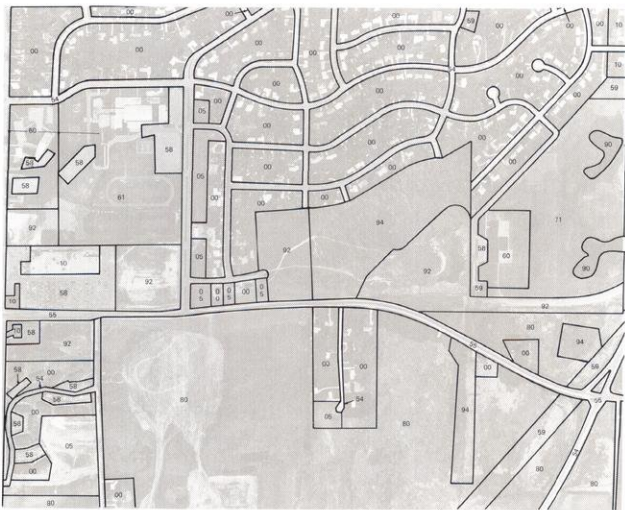
LAND USE PLANNING

During 1976 the Division staff completed the following major tasks in addition to responding to day-to-day requests for land use data:

- Conduct of an inventory of regional land use based upon aerial photography obtained in 1975. Land uses as observed through air photo interpretation and as field checked were delineated and coded into categories by the end of the year and were ready for quantification through the use of an interactive digitizer operated by the Commission's Planning Research Division. When the digitizing is complete, the Commission will have the capability of reproducing the delineated existing 1975 land use information at a variety of map scales. When quantified and analyzed, the 1975 land use data will provide another in a continuing time series of regional land use inventories begun in 1963 and repeated in 1967, 1970, and 1975.
- Refinement of the delineation of the primary environmental corridors in the Region, such corridors consisting of the

best remaining elements of the natural resource base, including the lakes and streams and their associated undeveloped shorelands and floodlands, woodlands, wetlands, wildlife habitat areas, areas of groundwater discharge and recharge, areas covered by organic soils, areas containing rough topography and significant geological formations, areas having scenic, historic, and scientific value, and the best remaining potential park and open space sites. During 1976 a primary environmental corridor was delineated along the Lake Michigan shoreline and added to the previously developed primary environmental corridor data file.

TYPICAL AERIAL PHOTO DELINEATION OF LAND USES

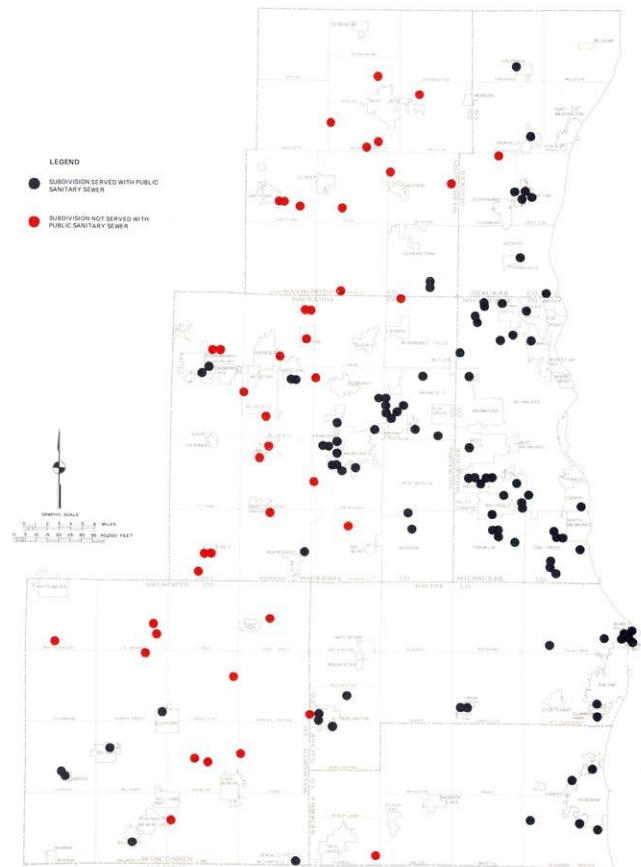


ENVIRONMENTAL CORRIDOR ALONG LAKE MICHIGAN SHORELINE IN MILWAUKEE COUNTY



- Conduct of an inventory of land subdivision activity during 1976. A total of 4,636 lots were created in the Region by subdivision plats during the year, of which 3,595 lots, or nearly 78 percent, were served by public sanitary sewer.
- Completion of two alternative regional land use plans for the year 2000 and the selection of a recommended regional land use plan following a series of public hearings. The two alternative regional land use plans, which were first presented at a regional

RESIDENTIAL PLATTING ACTIVITY 1976



LOTS CREATED BY SUBDIVISION PLATS - 1976

County	Sewered		Unsewered		Total	
	Number	Percent of Total	Number	Percent of Total	Number	Percent of Region
Kenosha . . .	195	90.7	20	9.3	215	4.6
Milwaukee . .	1,348	100.0	0	0.0	1,348	29.2
Ozaukee . . .	174	83.3	35	16.7	209	4.5
Racine	269	96.4	10	3.6	279	6.0
Walworth . . .	53	22.7	180	77.3	233	5.0
Washington . .	194	47.5	214	52.5	408	8.8
Waukesha . . .	1,362	70.1	582	29.9	1,944	41.9
Region	3,595	77.5	1,041	22.5	4,636	100.0

planning conference held in April 1976 and which are summarized on the accompanying maps and table, emphasized two differing development concepts. The controlled centralization alternative emphasized the same concepts as the initially adopted 1990 regional land use plan; namely, that urban development would continue to occur in largely concentric rings along the full periphery of, and outward from, existing urban centers with such development regulated to ensure that it occurs at densities consonant with the provision of public centralized sanitary sewer and water supply facilities and in those specific areas of the Region having soils suitable for such development. In addition, as in the adopted 1990 regional land use plan, the most basic regional development objectives would be achieved by protecting from further urban development the floodlands of the perennial streams, by protecting from develop-

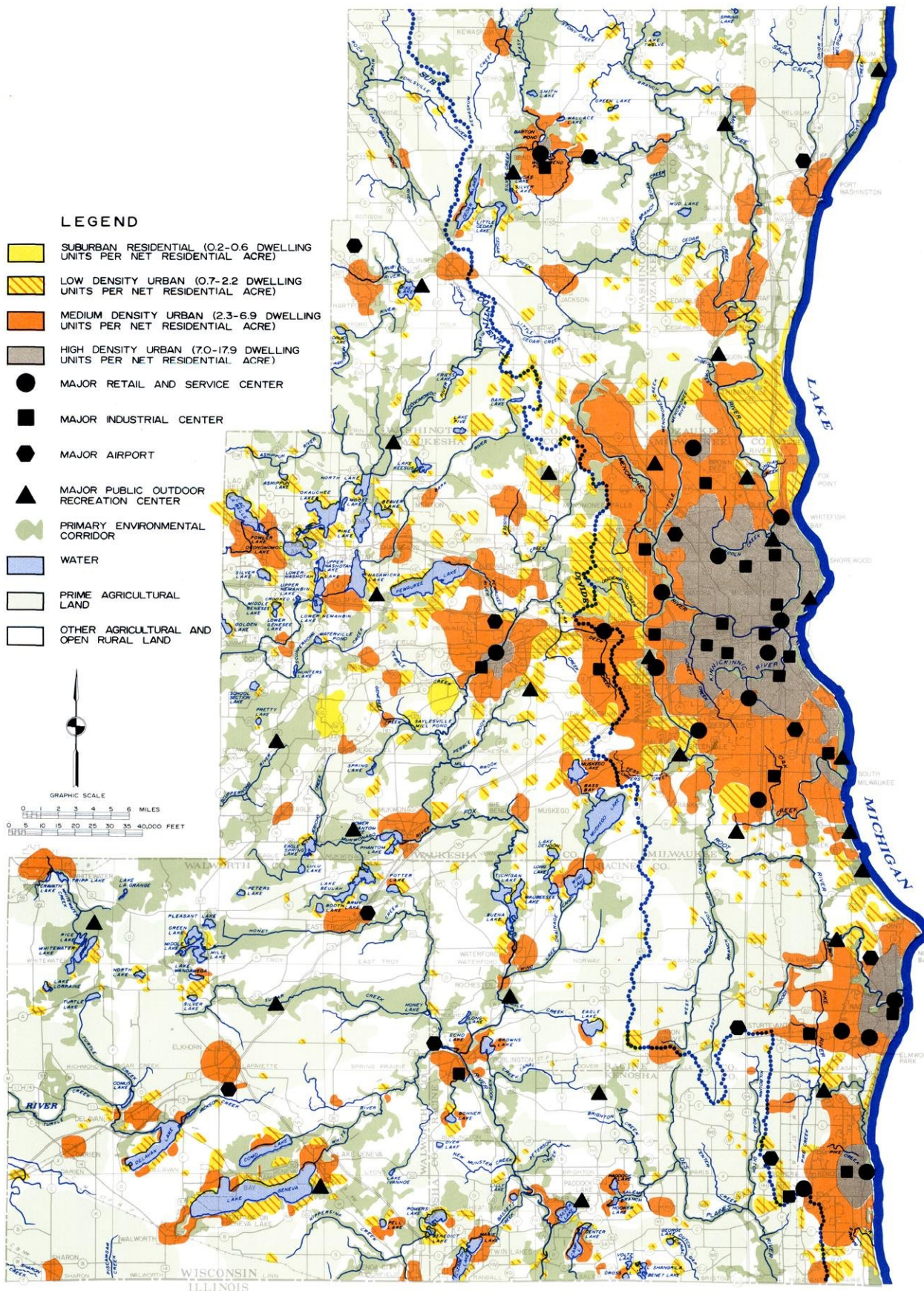
ment the best remaining woodlands and wetlands, and by developing an integrated system of park and open space areas centered on the primary environmental corridors. By contrast, the controlled decentralization alternative emphasized lower density residential development of a more scattered nature, with significant utilization of septic tank systems and private wells.

Public reaction to these two alternatives was virtually unanimous in support of the controlled centralization plan, in spite of the fact that significant amounts of new urban development in the Region (as shown in the accompanying table identifying lots created by subdivision plats during 1976) have been unsewered and of the type envisioned in the controlled decentralization plan. In July 1976 the Commission directed the staff to refine and detail the controlled centralization land use plan as the recommended regional land use plan.

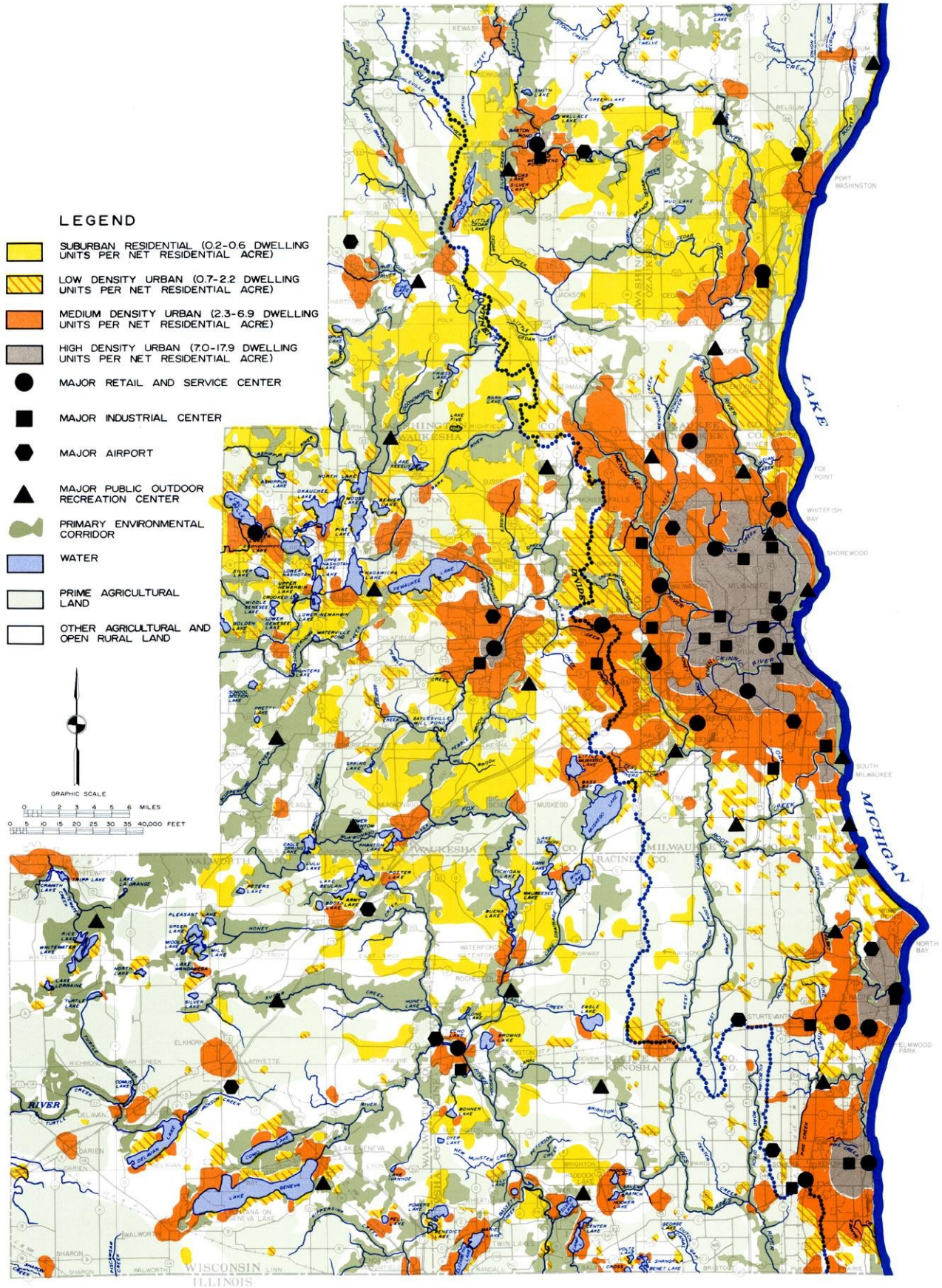
**1976 SEWRPC CONFERENCE
MILWAUKEE COUNTY WORKSHOP**



CONTROLLED CENTRALIZATION LAND USE PLAN FOR THE REGION 2000



CONTROLLED DECENTRALIZATION LAND USE PLAN FOR THE REGION 2000



**SUMMARY DATA: CONTROLLED CENTRALIZATION AND CONTROLLED
DECENTRALIZATION ALTERNATIVE LAND USE PLANS**

Plan Element	Existing	Controlled Centralization Land Use Plan		Controlled Decentralization Land Use Plan	
		Planned Increment	Total	Planned Increment	Total
Population					
Kenosha County	117,900	56,900	174,800	84,900	202,800
Milwaukee County	1,054,300	- 4,700	1,049,600	155,700	898,600
Ozaukee County	54,500	59,500	114,000	94,500	149,000
Racine County	170,800	46,900	217,700	53,800	224,600
Walworth County	63,500	36,100	99,600	43,100	106,600
Washington County	63,800	79,200	143,000	110,700	174,500
Waukesha County	231,300	189,300	420,600	231,900	463,200
Region Total	1,756,100	463,200	2,219,300	463,200	2,219,300
Employment					
Kenosha County	40,600	24,100	64,700	36,000	76,600
Milwaukee County	508,500	90,200	598,700	14,900	523,400
Ozaukee County	19,300	16,200	35,500	34,000	53,300
Racine County	63,600	25,500	89,100	30,900	94,500
Walworth County	24,100	13,300	37,400	22,600	46,700
Washington County	21,200	31,400	52,600	37,900	59,100
Waukesha County	71,500	66,500	138,000	90,900	162,400
Region Total	748,800	267,200	1,016,000	267,200	1,016,000
Land Use (Square Miles)					
Urban					
Residential					
High Density (1/10 Acre Per Dwelling Unit)	38.1	1.5	39.6	- 4.0	34.1
Medium Density (1/3 Acre Per Dwelling Unit)	58.0	68.3	126.3	68.6	126.6
Low Density (1 Acre Per Dwelling Unit)	113.6	- 3.5	110.1	- 3.8	109.8
Suburban Density (2 Acres Per Dwelling Unit)	34.6	- 14.9	19.7	101.4	136.0
Residential Subtotal	244.3	51.4	295.7	162.2	406.5
Commercial	10.2	1.6	11.8	0.6	10.8
Industrial	15.7	5.7	21.4	6.0	21.7
Governmental	26.0	4.1	30.1	4.3	30.3
Transportation	170.9	28.1	199.0	52.7	223.6
Recreation	45.3	9.1	54.4	9.0	54.3
Urban Land Subtotal	512.3	100.0	612.3	234.8	747.1
Rural					
Residential (5+ Acres Per Dwelling Unit)	0.0	0.0	0.0	7.5	7.5
Prime Agriculture	633.1	- 9.4	623.7	- 35.0	598.1
Other Agricultural	992.0	- 69.7	922.3	- 185.4	806.6
Other Open Lands	551.8	- 20.9	530.9	- 21.9	529.9
Rural Land Subtotal	2,176.9	- 100.0	2,076.9	- 234.8	1,942.1
Total	2,689.2	0.0	2,689.2	0.0	2,689.2
Relative Degree of Centralization Based on 20-Mile Distance From Downtown Milwaukee					
New Urban Residential Land (Percent)	--	62	--	27	--
Total Urban Residential Land (Percent)	57	--	58	--	45
New Population (Percent)	--	59	--	46	--
Total Population (Percent)	75	--	69	--	63
Major Regional Centers					
Commercial	11	6	17	8	19
Industrial	17	5	22	5	22
Recreational	27	2	29	2	29
Airport	8	4	12	4	12
Primary Environmental Corridors					
Square Miles	503.5	--	503.5	--	503.5
Urban Population Density					
Persons Per Square Mile (Total)	4,400	--	3,200	--	2,300
Public Sanitary Sewer Service					
Urban Land Development Served					
Square Miles	286.5	344.0	630.5	321.8	608.3
Percent of Total Urban Land	72	--	92	--	63
Population Served					
Number	1,488,700	604,800	2,093,500	482,800	1,971,500
Percent of Total Population	85	--	94	--	89
Population Unserved	267,400	--	- 141,600	--	- 19,600

NOTE: Existing employment data are for 1972; all other existing data are for 1970. The plan design year is 2000.

PARK AND OPEN SPACE PLANNING

During 1976, the Division staff completed the data analysis phase of the regional park and open space planning program. This program is intended to result in the adoption of a regional park and open space plan in 1977. The plan will be particularly important to local and county units of government in the Region, since it is an essential requirement for continued state and federal funding of park and open space land acquisition and development. During the year the Division staff worked with the Technical and Citizen Advisory Committee on Park and Open Space Planning in the preparation of the final planning report.

One of the major activities was the development of a set of regional park and open space objectives, together with supporting principles and standards. This set of objectives, which has been based upon recreation user surveys previously conducted by the Commission, will provide for the first time in the Region a sound basis upon which to adequately evaluate the existing system of park and outdoor recreation facilities and determine the future need for such facilities.

At year's end, the park and open space planning program had entered the alternative plan preparation phase.

HOUSING PLANNING

The Commission adopted in 1975 a regional housing plan. The plan is based upon estimates of housing need in the Region and includes a recommended geographic allocation of publicly-assisted housing units. During 1976 the Division staff concentrated its housing planning efforts in two areas: 1) the provision of housing assistance services, and 2) the monitoring through secondary sources of progress toward meeting the publicly-subsidized housing unit allocation.

Examples of the types of housing assistance services provided during 1976 include the following:

- Assistance to the City of Milwaukee in developing priorities for allocating the limited federal "Section 8" housing subsidies available.
- Help in formulating a "nonsteering" agreement adopted by the Milwaukee Board of Realtors, whereby members of the Board of Realtors agreed to show all available appropriate housing to all segments of the population and not to "steer" persons of ethnic or minority groups only to housing in selected geographic areas.
- Assistance to the Milwaukee County Community Relations-Social Development Commission in establishment of a housing "weatherization" and energy conservation program directed at low- and moderate-income households.
- In a cooperative effort with the U. S. Department of Commerce, Small Business Administration, meeting with minority contractors to help them to become more involved with construction activities financed with federal funds.
- Assistance to the Walnut Area Improvement Council in renting 107 housing units to low- and moderate-income families.
- Assistance to the Mayor's Office in the City of Milwaukee in planning a tour for members of the League of Women Voters to acquaint them with housing problems in the Milwaukee area.

NEW PUBLICLY ASSISTED HOUSING UNITS CITY OF CUDAHY

McKINLEY PARK, MILWAUKEE COUNTY



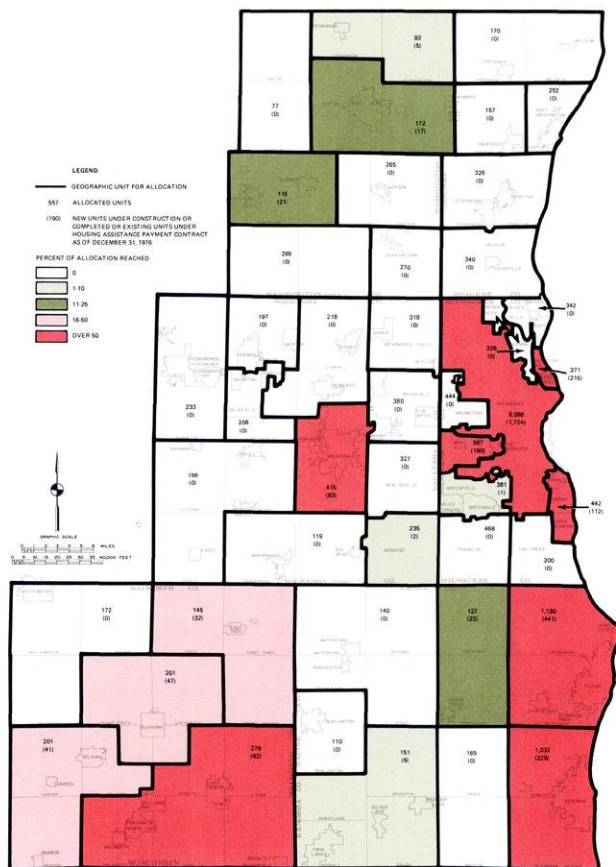
- Provision of technical assistance to Racine County, the Village of Shorewood, and the Milwaukee East Side Housing Action Committee in the development of forms and training of personnel to conduct exterior housing condition surveys.

The adopted regional housing plan recommends that there be provided by 1980 approximately 17,800 publicly-assisted housing units over and above the units assisted as of the end of 1973. Monitoring of progress toward meeting the recommended geographic allocation of subsidized housing units was accomplished through the use of data collected by the Wisconsin Department of Local Affairs and Development. Such data pertain to the various rental assistance programs operated by the U.S. Department of Housing and Urban Development and the U.S. Department of Agriculture, Farmers Home Administration.

Progress toward meeting the allocation is summarized in the accompanying map. For the Region as a whole, about 3,400 publicly-assisted housing units have been provided since January 1, 1974, either through new construction or through the provision of housing assistance payments to low- and moderate-income families in existing units. This represents about 19 percent of the total number of units recommended in the plan to be provided by 1980. Eighteen of the 45 geographic units selected for allocation have shown at least some progress toward meeting the allocation.

In considering the data shown on the accompanying map, it is important to note that the regional housing allocation strategy seeks to provide subsidized housing units in such a way as to eliminate physical housing problems as reflected by substandard and overcrowded living conditions. Subsidization of those families who occupy uncrowded standard housing but who must pay a disproportionate share of their income to do so was given a lower priority in the regional housing plan. It is apparent, however, that a significant proportion of the housing subsidies in the Region made during 1974, 1975, and 1976 has gone to families who are in economic need rather than to families occupying substandard and overcrowded units. About 60 percent of the 3,400 housing subsidies during this time period went to house-

PROGRESS TOWARD MEETING PUBLICLY SUBSIDIZED HOUSING UNIT ALLOCATION



holds with elderly persons, even though the housing problem of elderly persons was found in the regional housing study to be largely economic in nature. Subsidization of needy elderly is in itself desirable and such activity may "free up" the presumably sound housing units formerly occupied by the elderly for families which currently live in substandard or overcrowded units. The continued subsidization of households whose housing problems are primarily economic, however, may necessitate the provision of more than the approximately 17,800 subsidized housing units specified in the regional plan, if substandard and overcrowded housing conditions in the Region are to be eventually eliminated. It is apparent, therefore, that increasing emphasis should be placed in the administration of existing housing subsidy programs on serving occupants of substandard and overcrowded housing units.

TRANSPORTATION PLANNING DIVISION

DIVISION FUNCTIONS

The Commission's Transportation Planning Division provides recommendations concerning all aspects of transportation system development within the Region. Among the basic questions to which answers are sought are the following:

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

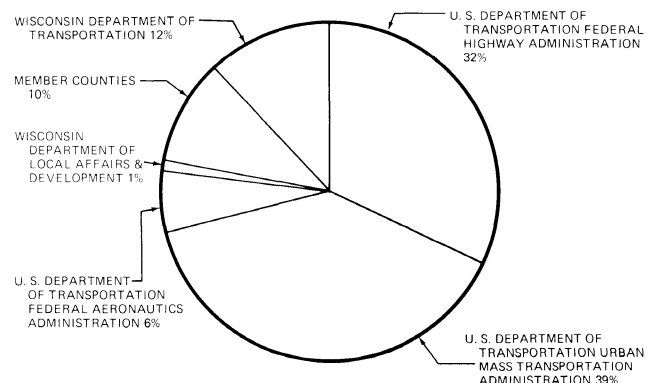
In attempting to find sound answers to these and other questions, to make recommendations concerning them, and to monitor transportation system development activities in the Region, as well as to respond to requests for data and technical assistance. The Transportation Planning Division during 1976 conducted a number of activities in seven identifiable areas: data collection, collation, and development; long-range plan development; short-range transportation system management plan development, including subregional transit planning and carpooling efforts; elderly and handicapped transportation planning; transportation improvement programming; air transportation planning; and data provision and assistance.

As the official metropolitan planning organization for transportation planning in the Southeastern Wisconsin Region, the SEWRPC not only conducts transportation planning work with its own staff and consultants, but also oversees related subregional transportation planning by other governmental agencies. In many cases federal funds for the conduct of these subregional planning efforts "pass through" the SEWRPC to other agencies. Through monitoring of work progress and service on task forces and advisory committees, the Commission is ultimately responsible for all of this transportation-related planning work. Accordingly, all transportation planning activities bearing upon the Commission's overall work program are reported herein whether or not they are directly conducted by the Commission.

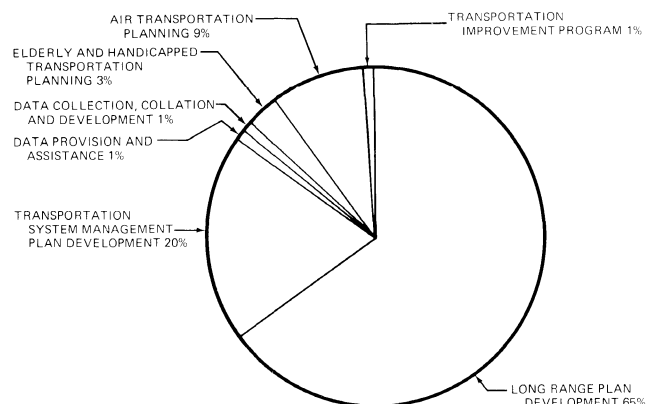
TRANSPORTATION PLANNING DIVISION

1976 FUNDING

\$880,156^a



DISTRIBUTION OF FUNDING TO WORK PROGRAMS



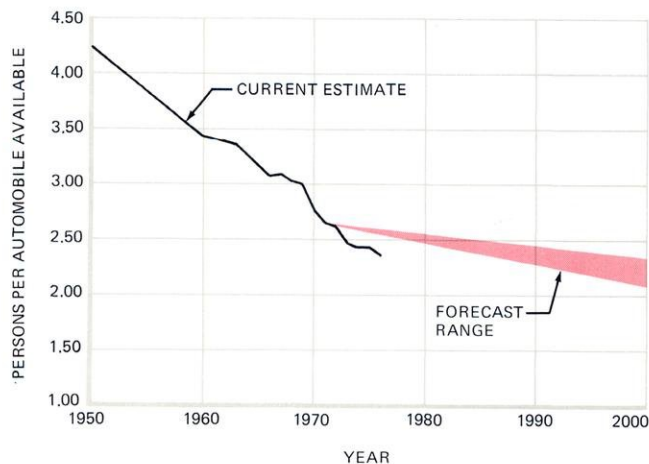
^aIncludes \$187,674 for agencies other than SEWRPC to conduct subregional transportation planning activities identified in the 1976 SEWRPC Overall Work Program.

DATA COLLECTION, COLLATION, AND DEVELOPMENT

During 1976 the Division staff continued to monitor secondary data sources for changes in automobile and truck availability, transit ridership, and traffic volumes in the Region; published the results of a special survey of the effects of motor fuel costs and availability on travel habits and patterns and/or household locations; and published the results of an analysis of changes in travel to and from the Milwaukee central business district based on Commission travel surveys conducted in 1963 and 1972.

The number of automobiles available to residents in the Region during 1976 totaled about 758,700. This represents an increase of about 16,400, or about 2 percent, over the 1975 level of 742,300. As shown in the accompanying table, all seven counties in the Region registered gains in automobile availability during the year. The number of persons per automobile available is estimated at about 2.36 in 1976, down from about 2.41 in 1975.

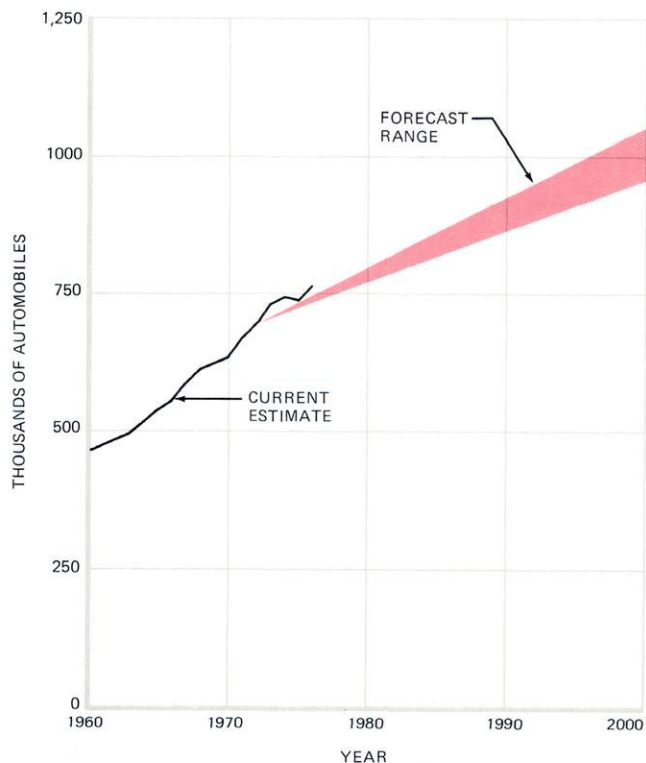
PERSONS PER AUTOMOBILE AVAILABLE



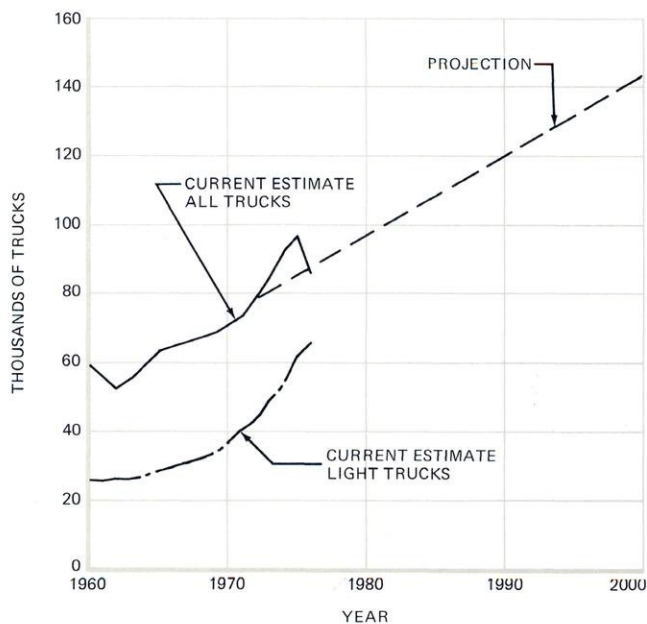
AUTOMOBILE AVAILABILITY

County	1963	1975	1976
Kenosha	35,162	52,657	53,224
Milwaukee	304,123	410,880	417,643
Ozaukee	14,319	28,303	29,727
Racine	47,583	74,696	75,638
Walworth	19,437	29,229	29,854
Washington	16,235	31,499	32,740
Waukesha	61,889	115,086	119,924
Total	498,758	742,350	758,740

AUTOMOBILE AVAILABILITY



TRUCK AVAILABILITY



The number of trucks in the Region decreased during the year to about 86,100, or 10,700 fewer than the 1975 level of 96,800. This represents a decrease of about 11 percent. As shown in the accompanying figure, the decrease is due entirely to fewer heavy and medium duty trucks, with the trend toward increasing numbers of light trucks continuing during the year.

Publicly-owned fixed route mass transit service is provided in the Region in the Kenosha, Milwaukee, and Racine urbanized areas. In the Kenosha urbanized area, mass transit ridership again showed an increase in 1976, maintaining a trend which began with the reestablishment of the Kenosha mass transit system as a publicly-owned system in September 1971. Ridership during the year approximated 973,000, an increase of about 27 percent over the 1975 ridership level of about 767,000.

TRUCK AVAILABILITY

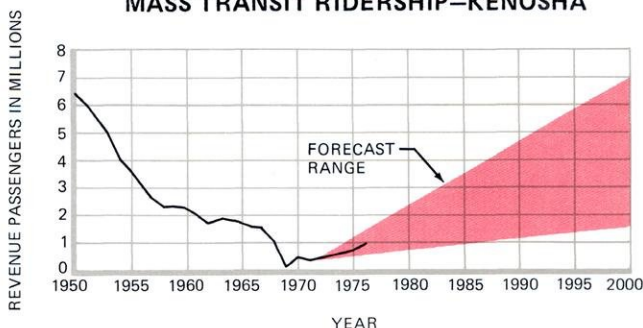
County	1963	1975	1976
Kenosha	4,855	8,950	7,614
Milwaukee	25,867	39,004	35,884
Ozaukee	2,286	3,982	3,453
Racine	6,201	11,495	9,778
Walworth	4,490	7,785	6,135
Washington	3,413	6,734	5,415
Waukesha	8,283	18,872	17,466
Total	55,395	96,822	86,083

MASS TRANSIT RIDERSHIP

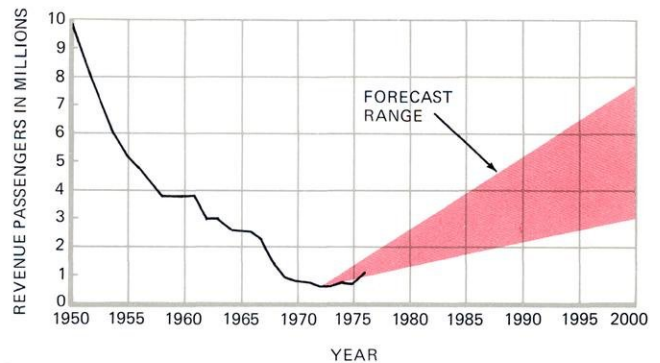
Urbanized Area	1975	1976	Percent Change
Kenosha	766,800	973,400	27
Milwaukee	45,276,100	46,622,100	3
Racine	649,700	1,003,500	54

Does not include special transit services to the elderly and handicapped.

MASS TRANSIT RIDERSHIP—KENOSHA



MASS TRANSIT RIDERSHIP—RACINE



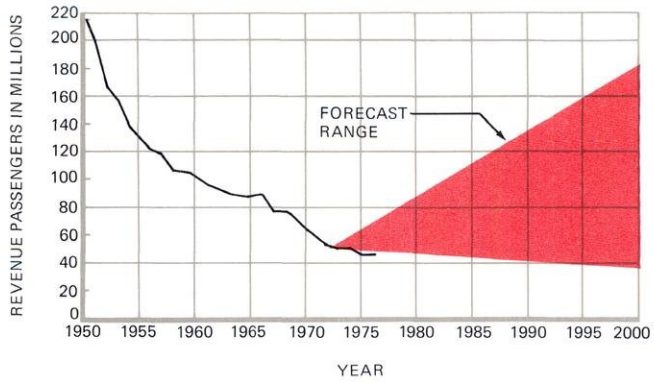
NEW RACINE BUS



In the Racine urbanized area, mass transit ridership increased during 1976 to slightly over one million riders, an increase of about 54 percent over the nearly 650,000 riders carried in 1975. During 1976 the Racine Transit Commission placed into full scale operation a new transit system as recommended in the transit development program for the Racine area published by the Commission in SEWRPC Community Assistance Planning Report No. 3, Racine Area Transit Development Program. The new system of transit routes was served by a fleet of 25 new 41-passenger buses purchased by the Racine Transit Commission with federal aid.

Transit ridership also increased in the Milwaukee urbanized area during 1976, the first full year of public ownership and operation of the Milwaukee transit system. Ridership increased by about 3 percent during the year from a 1975 level of about 45.3 million to a 1976 level of about 46.6 million. This increase occurred despite the discontinuance of mass transit service in the city of Waukesha in June 1976. During 1976 the special demonstration project to provide shuttle service in the Milwaukee central business district was ended and the service made a permanent part of the Milwaukee County system. In addition, publicly-subsidized commuter and shopper-oriented transit service was provided within the urbanized area by Waukesha and Ozaukee Counties.

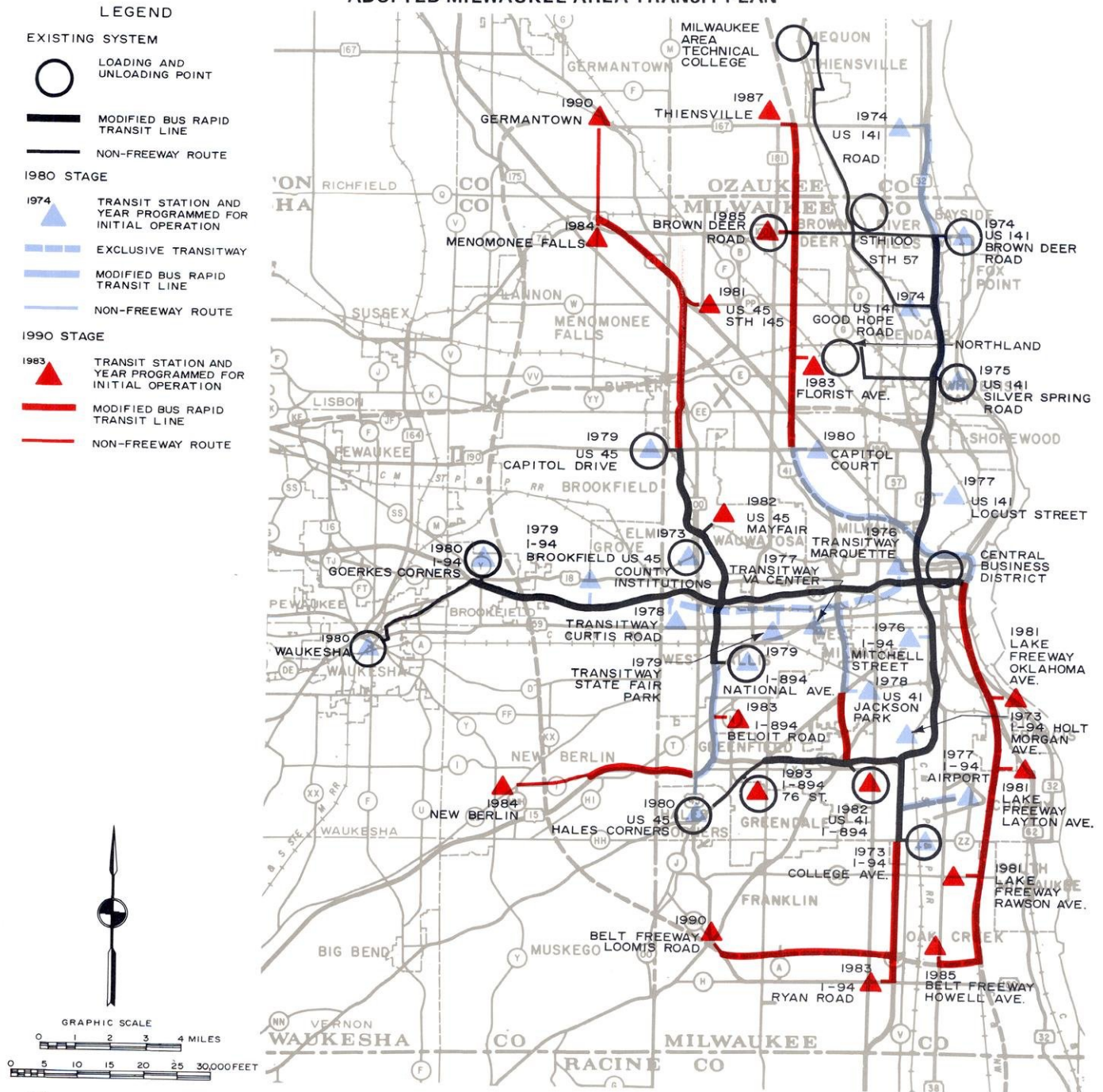
MASS TRANSIT RIDERSHIP—MILWAUKEE



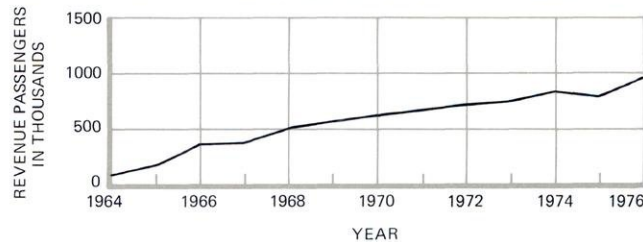
MILWAUKEE DOWNTOWN SHUTTLE BUS



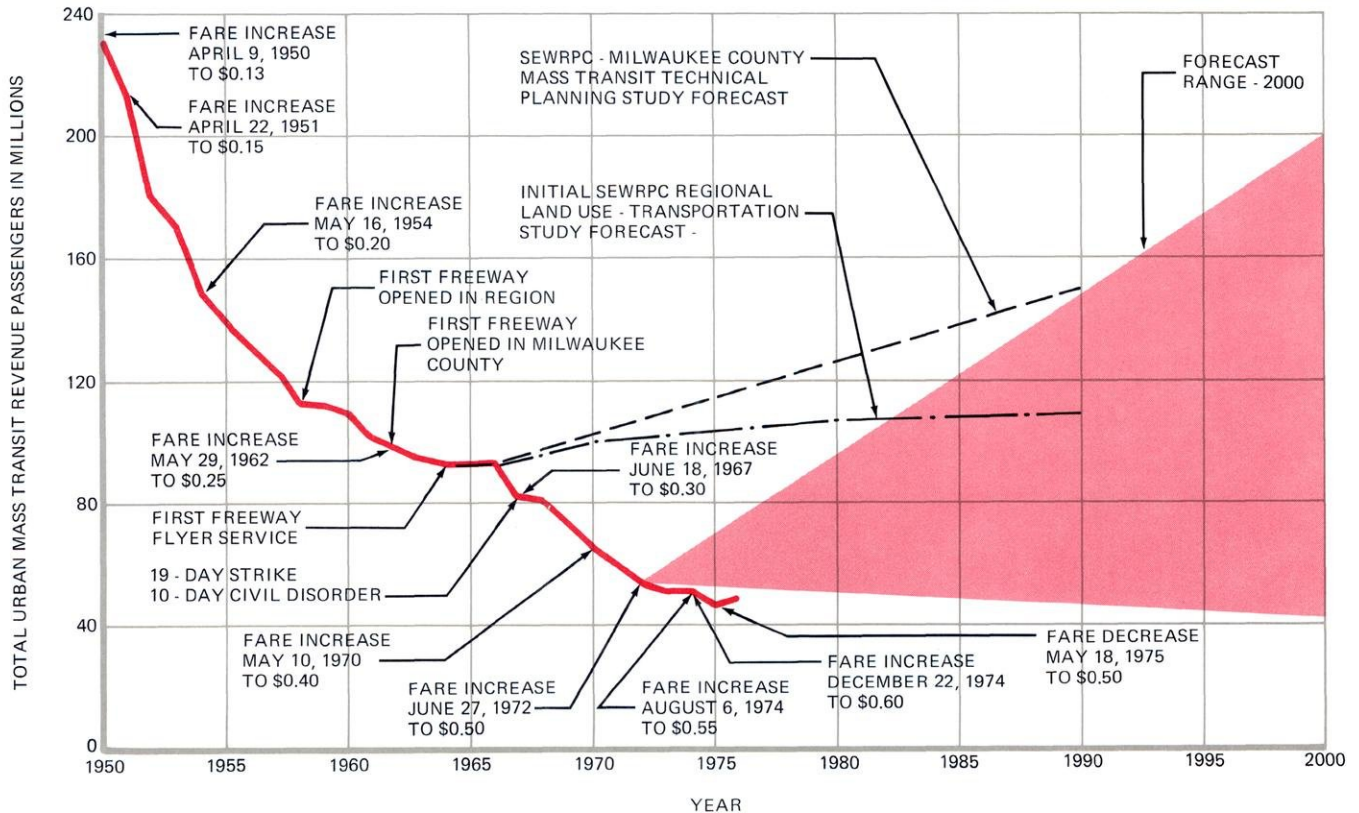
ADOPTED MILWAUKEE AREA TRANSIT PLAN



MILWAUKEE AREA FREEWAY FLYER RIDERSHIP



HISTORICAL TREND AND ALTERNATIVE FORECASTS OF FIXED ROUTE INTRAREGIONAL MASS TRANSIT USE IN THE REGION: 1950-2000



NOTE: FARE INCREASES AND DECREASES SHOWN IN THIS FIGURE REFER ONLY TO THE MILWAUKEE COUNTY TRANSIT SYSTEM AND TO THE SINGLE-RIDE ADULT CASH FARE.

MASS TRANSIT OPERATING SUBSIDIES

Urbanized Area	Public Operating Assistance							
	1975 ^a				1976			
	Federal	State	Local	Total	Federal	State	Local	Total
Kenosha	\$ 145,137	\$ 96,691	\$ 48,446	\$ 290,274	\$ 224,911	\$ 127,076	\$ 97,836	\$ 449,823
Milwaukee	1,453,874	1,255,224	640,501	3,349,599	3,521,105	1,993,546	1,557,560	7,072,211
Racine	98,233	60,886	35,006	194,125	270,754	171,060	99,702	541,516

Urbanized Area	Operating Subsidy Per Ride							
	1975 ^a				1976			
	Federal	State	Local	Total	Federal	State	Local	Total
Kenosha	18.9¢	12.6¢	6.3¢	37.8¢	23.1¢	13.1¢	10.0¢	46.2¢
Milwaukee	5.4¢	4.6¢	2.4¢	12.4¢	7.7¢	4.3¢	3.4¢	15.4¢
Racine	15.6¢	9.6¢	5.5¢	30.7¢	27.0¢	17.0¢	10.0¢	54.0¢

^aNOTE: 1975 figures are post-audit; 1976 figures are preaudit.

**WAUKESHA COUNTY EXPRESS BUS AT
GOERKE'S CORNERS TRANSIT STATION**



**MILWAUKEE COUNTY FREEWAY FLYER BUS
AT WATERTOWN PLANK ROAD PARK-RIDE LOT**



During 1976 ridership on the freeway flyer, or primary transit, service in the Milwaukee urbanized area totaled about 938,000 passengers, representing an increase of nearly 19 percent from the 791,000 passengers carried in 1975. New park-ride transit stations were provided at the MATC campus in Mequon and at the Watertown Plank Road exit on the Zoo Freeway (USH 45). Progress in implementing recommended transit stations is summarized on the accompanying map.

Transit operating subsidies during 1976 totaled nearly \$8.1 million, distributed by urbanized area as shown in the accompanying table. The overall public operating subsidy per ride in the Kenosha urbanized area increased from 38¢ in 1975 to 46¢ in 1976, in the Milwaukee urbanized area from 12¢ to 15¢, and in the Racine urbanized area from 31¢ to 54¢.

The Division staff also collated traffic count data during the year. These data are useful in monitoring changes in travel in the Region and in calcu-

lating estimates of levels and trends of vehicle miles of travel. During 1976 traffic volume data were collected from the Wisconsin Department of Transportation, the Milwaukee County Expressway and Transportation Commission, and the City of Milwaukee, all of which operate regular traffic-counting programs, as well as data available from other communities, such as the City of Waukesha, which conduct traffic-counting programs on a periodic basis.

During 1976 the Division staff cooperated with the University of Wisconsin-Milwaukee in analyzing the results of a special survey on the effects of motor fuel costs and availability on hand habits and patterns and on household locations which was conducted during November 1975. The survey was designed to determine the actual past and the probable future response of residents in the Region to increases in the cost of motor fuel and to restrictions in its supply. The survey results were documented in SEWRPC Technical Report No. 15, Household Response to Motor Fuel Shortages and Higher Prices in Southeastern Wisconsin, published in August 1976.

The survey findings indicated that residents of the Region are very reluctant to change their travel habits and patterns and that no significant shift in travel habits and patterns can be expected on the basis of foreseeable increases in the cost of motor fuel alone. Region residents are even more reluctant to consider relocating their residences in response to higher motor fuel prices. Given higher motor fuel prices in the future, therefore, the basic pattern of trip generation and distribution in the Region may be expected to vary only slightly from Commission estimates. The survey further indicated that even restricted motor fuel availability would produce only relatively modest changes in residential location and travel patterns, and that such changes in travel patterns would be related primarily to non-work trip purposes, particularly shopping.

Results of the survey further indicate that higher motor fuel prices and restricted motor fuel availability are likely, however, to influence the choice of mode for the journey to work. Increasing motor fuel prices could be expected to modestly increase carpooling and transit use. Only under severely restricted motor fuel availability, however, could a substantial increase in carpooling and transit use be expected, each about doubling under severe constraints. Even with such doubling, however, overall traffic flow volumes could be expected to be relatively little affected.

The Division staff completed in 1976 an analysis of origin and destination travel data collected in 1972 and pertaining to trips to, from, and within the central business district (CBD) of the City of Milwaukee. Results of this analysis were published in SEWRPC Technical Report No. 3, Volume 6, published in April 1976. With the largest concentration of person and vehicle trip destinations in the Region in both 1963 and 1972, the Milwaukee CBD constitutes an important part of the economic base of the Region. The analysis of travel in the Milwaukee CBD indicated the following:

- Person travel to, from, and within the CBD on an average weekday declined by about 4 percent between 1963 and 1972, from about 262,200 trips to about 250,700 trips.
- A sharp decline in mass transit travel in the CBD occurred over the 1963-1972 period. In 1963 about 50,500 transit trips were made during an average weekday in the CBD compared to about 29,000 in 1972, representing a decline of about 43 percent. Auto driver and auto passenger travel to the CBD both increased during the period.
- About one-half of the person trips destined for the CBD in both 1963 and 1972 were for work purposes, although such work trips declined from about 70,200 in 1963 to 65,500 in 1972.
- Work trips to the Milwaukee CBD constituted about 11 percent of all work trips in the Region in 1963 and about 9 percent in 1972.
- The decline in travel to the Milwaukee CBD between 1963 and 1972 may be attributed to four types of trips—work trips, residential home trips, and social-recreation trips. Together these four types of trips accounted for a loss of about 13,400 trips to the CBD. Trips for personal business and school purposes increased by about 6,600.
- Parking spaces in the Milwaukee CBD increased from about 26,700 in 1963 to 30,700 in 1972, a 15 percent increase. This increase occurred despite Commission findings in the mid-1960's that sufficient parking was already available in the Milwaukee CBD.
- In 1963 the Milwaukee CBD attracted about 3.8 percent of regional travel on an average weekday, while by 1972 this proportion had declined to about 2.9 percent.

LONG-RANGE PLAN DEVELOPMENT

A major Division work effort during 1976 consisted of the preparation and evaluation of a series of alternative regional transportation plans. In all, a total of six alternative transportation plans were fully evaluated, three to serve each of the two alternative regional land use plans noted earlier in this report.

The three alternative transportation plans include the "No Build" plan, a highway-supported transit alternative plan, and a transit-supported highway alternative plan. Under the "No Build" plan, the probable future travel demand within the Region would be served entirely by means of the existing arterial street and highway and mass transit facilities. Under the highway-supported transit alternative plan, arterial street and highway system improvement in urban areas, particularly urban freeways, would be severely curtailed and an attempt would be made to accommodate the probable future travel demand on the existing arterial street and highway facilities and on a significantly improved mass transit system. Under the transit-supported highway alternative plan, capital investment would continue to be made in urban arterial street and highway system improvements, including freeways, while also significantly improving and expanding the mass transit system.

The accompanying map identifies those freeways in the Region open to traffic in 1976, those previously proposed freeways that were included in one or more of the alternative plans considered during 1976, and those previously proposed freeways not included in any alternative plan.

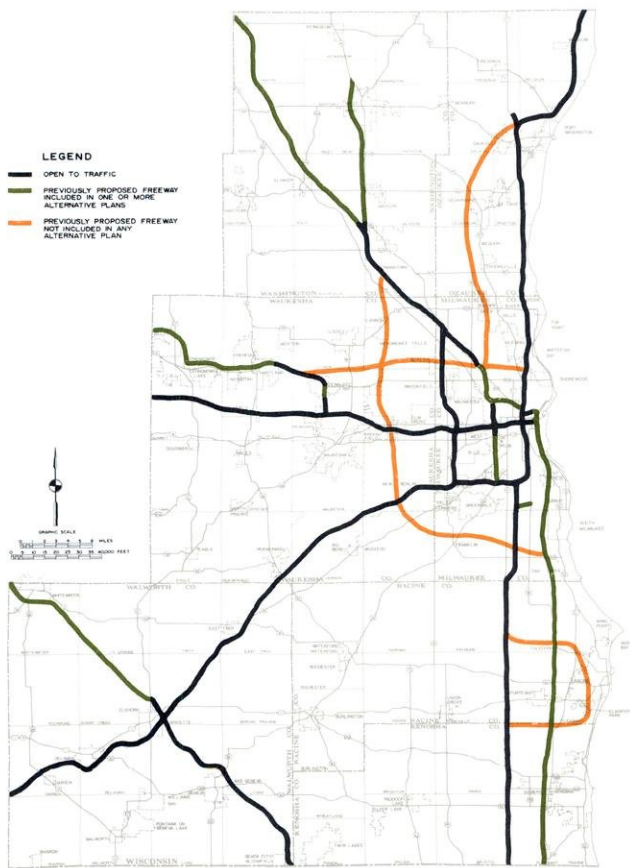
The six alternative transportation plans were first presented for public reaction at a major regional planning conference held on April 14, 1976. Following the conference, the Commission held a series of nine informational meetings at locations throughout the Region in an attempt to gain further citizen and public official participation in the plan reevaluation process. Three of the nine meetings were held specifically to obtain the reaction of elected public officials to the alternative plans in three proposed freeway corridors—the Belt Freeway, the Stadium Freeway North, and the Lake Freeway. Five of the informational meetings were held in various counties and designed specifically for the general public. The final informational meeting was held for elected representatives and representatives of agencies serving the non-white population of the Region, as well as interested

non-white citizens. Altogether, the planning conference and the nine informational meetings were attended by over 1,000 interested and concerned officials and citizens. Minutes of the conference and the informational meetings were kept and published by the Commission in two separate documents.

1976 SEWRPC CONFERENCE WAUKESHA COUNTY WORKSHOP



FREEWAYS 1976



In contrast to the previously reported near unanimity of opinion on the alternative regional land use plans, with nearly all favoring selection of the controlled centralization land use plan as the new recommended regional land use plan, a clear lack of consensus emerged on the alternative regional transportation plans, both at the conference and at the series of informational meetings. Most of the discussion at all of these meetings centered on the various freeway development proposals. In general, continued freeway development tended to be favored in all of the Region except Milwaukee County, although, even in the latter, strong support for certain freeway segments was evidenced by a number of public officials.

The record of the regional planning conference and informational meetings was considered by the two Commission advisory committees assisting the Commission in the preparation of a new regional transportation plan. On June 23, 1976, the Citizens' Advisory Committee on the Freeway-Transit Element of the Regional Land Use-Transportation Plan Reevaluation, while unanimously rejecting a "No Build" transportation plan alternative, was unable to make a recommendation to the Commission as to which of the two other alternative plans should be considered for refinement and detailing, with eight committee members favoring refinement of the transit-supported highway system plan, eight favoring refinement of the highway-supported transit plan, and one abstaining. On July 19, 1976, the Technical Coordinating and Advisory Committee on Regional Land Use-Transportation Planning, by a vote of 20 to 6, recommended selection of the transit-supported highway system plan as the plan to be refined and detailed in order to arrive at a final recommended plan.

On July 28, 1976, the Regional Planning Commission met to receive the recommendations of the two advisory committees and to consider the general public reaction to the alternative transportation plans. In recognition of the split votes in both advisory committees, the Commission acted to create a task force consisting of representatives of those state and major local agencies concerned with transportation system development and two members from the Citizens Advisory Committee and charged that task force with the responsibility of nominating a new recommended regional transportation plan that would combine the best elements of the transit-supported highway and highway-supported transit alternative plans.

The task force nominated plan was to be given to both the Technical Coordinating and Advisory Committee and the Citizens' Advisory Committee for their further consideration. The remainder of 1976 was spent working with the task force in preparing a single merged plan to be nominated. At year's end, the task force had authorized the Division staff to begin testing and evaluating a single merged plan.

TRANSPORTATION SYSTEM MANAGEMENT PLAN DEVELOPMENT

During 1976 the Division staff took the first steps toward the preparation of a short-range transportation system management plan for the major urbanized areas of the Region—Kenosha, Milwaukee, and Racine. In addition, there were underway during 1976 a number of short-term transportation planning and management efforts. These studies were conducted by the Commission staff and by state agencies, local agencies, and universities.

Federal transportation planning rules and regulations require that the urban transportation planning process develop an areawide transportation plan consisting of two elements: the familiar long-range element and a new short-range transportation systems management element. These two elements are to be implemented through an areawide transportation improvement program. During 1976 the Division staff completed a memorandum report entitled, "Procedure for Preparing a Regional Transportation Systems Management Plan and Regional Transportation Improvement Program." This memorandum document sets forth the Commission's intent that the new short-range transportation systems management plan element be compatible with the long-range element and, together with that element, comprise the regional transportation plan.

The objective of the transportation systems management element is to make more efficient use of the highway and transit systems already in place through minor capital investment projects or new policy initiatives, thereby hopefully reducing or postponing the need for new major capital investments in transportation facilities. The short-range element is thus intended to emphasize such relatively low capital investment solutions to transportation problems as traffic engineering and transportation pricing for better system management and operation. While the Commission's long-range transportation plan does contain certain

recommendations to make better use of existing facilities, such as the removal of on-street parking on arterial streets, the long-range plan does not detail or reflect all possible low capital investment solutions.

To provide technical and policy guidance in the preparation of the new short-range transportation systems management plan element, the Commission established three new advisory committees during 1976 for this purpose, one in each of the Kenosha, Milwaukee, and Racine urbanized areas. During 1976 the Milwaukee committee met to review and comment on the aforementioned memorandum document on transportation system management planning and transportation improvement programming.

During 1976 the Division staff completed all technical work on the preparation of a five-year transit development program for the City of Waukesha and environs. Existing privately-owned transit service was abandoned during the year leaving the Waukesha area with only very minimal, special school-oriented morning and afternoon bus routes. The Waukesha transit development program study examined the potential for reestablishing a transit system in the Waukesha area, including detailed examination of three fixed routes, fixed schedule systems—differing as to the number of routes to be provided—and four demand-responsive systems, including public subsidization of taxi fares for the elderly and handicapped only, public subsidization of the taxi fares for the elderly and handicapped and low income, public subsidization of the taxi fares of all taxi users, and the establishment of a publicly-owned bus based demand-responsive system. At year's end, the Waukesha Mass Transit Citizens and Technical Coordinating and Advisory Committee had selected the publicly-owned bus based demand-responsive system as the recommended transit development plan for the Waukesha area. The Committee further asked that the Division staff complete publication of the final report documenting the results of the transit study for presentation to the Common Council of the City of Waukesha early in 1977.

Utilizing federal transit planning monies made available through the Commission, Milwaukee County conducted during 1976 a series of short-term planning efforts that relate to better management of the County transportation system. One of these involved staff work toward updating and extending the initial Milwaukee County transit development program prepared in support of Milwaukee County's grant application in 1975

for acquisition of the privately-owned Milwaukee and Suburban Transport Company. During 1976 Milwaukee County conducted a special transit development planning effort for the location of bus shelters and initiated a study of the ways in which County transit service and that provided by Wisconsin Coach Lines, Inc. in the Milwaukee urbanized area could be coordinated.

Another Milwaukee County transportation systems management planning effort during 1976 dealt with possible transportation uses of land acquired by Milwaukee County from the Chicago and North Western Transportation Company in the corridor between the Milwaukee central business district and the University of Wisconsin-Milwaukee Campus. This study, termed the University of Wisconsin-Milwaukee/East Side-North Shore Area Transit Improvement Study, was initiated during the second half of 1976. A special citizens task force was created to provide overall guidance in the conduct of the study and a technical team, including Commission staff, was established to provide technical assistance in the conduct of the study. By the end of 1976 the Citizens Task Force had been organized and the study staff had begun to present draft report materials providing background data to the Task Force for their review and approval.

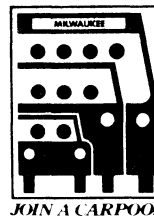
It is envisioned that the University of Wisconsin-Milwaukee/East Side-North Shore Study will, in addition to making recommendations to Milwaukee County as to the possible use of the abandoned Chicago and Northwestern Transportation Company railroad right-of-way for mass transit purposes, also provide recommendations concerning traffic management in the University of Wisconsin-Milwaukee east side area, including fringe area parking and shuttle bus service to the campus, special University of Wisconsin-Milwaukee-oriented transit service, the possible institution of parking disincentives on the campus, and the provision of traffic engineering improvements, such as bus bays and turn lanes.

Another management study conducted during 1976 by Milwaukee County was the Transit Facilities and Rolling Stock Utilization Study. During 1976 a special task force for this study was appointed by the chairman of the Milwaukee County Transit Board. This study is intended to provide specific recommendations for garage and maintenance facilities needed to operate the Milwaukee transit system, as well as the preparation of a five-year fixed facilities and rolling stock capital improvement program. At year's end the

task force had begun to review draft report materials prepared by Milwaukee County and its consultants.

Late in 1976 Milwaukee County began a downtown Milwaukee transportation center study in an effort to determine precisely what improvements in facilities and transit routes and services should be provided in the Milwaukee central business district. A project task force was created in September 1976 to provide technical guidance for the study. At year's end the study consultant had been selected and begun work.

Utilizing federal highway urban system funds, Milwaukee County during 1976 also continued its efforts in the promotion of carpooling in the four-county Milwaukee Standard Metropolitan Statistical Area. During 1976 an interagency task force created to oversee the conduct of this ride-sharing program concentrated on program evaluation efforts.



MILWAUKEE AREA CARPOOLING PROGRAM

The Regional Planning Commission staff was responsible for the conduct of two surveys designed to determine the extent of carpooling in the four-county area and the effectiveness of the carpooling demonstration effort, particularly the employer contact program and the radio, television, and billboard advertising programs. The Commission contracted with the University of Wisconsin-Milwaukee for the processing and analysis of the survey data and for preparation of a report evaluating the effectiveness of the program. The Commission staff itself was responsible for the conduct of the two surveys, one of a sample of households in the four-county area and the other of a sample of those individuals who applied to the carpooling program for matching services. At year's end the draft evaluation report was under preparation.

Work was conducted during 1976 on two studies by the University of Wisconsin utilizing federal transit planning monies provided through the Regional Planning Commission. At the University of Wisconsin-Milwaukee, evaluation efforts con-

tinued on the University-oriented UBUS and UPARK transit promotion programs. Studies were underway during the year to determine the reasons for choice ridership on the UBUS system and the effects of parking regulations on transit ridership. A report entitled UBUS Demonstration Project Final Report—The Potential for Improved User-Oriented Transit to a Major Trip Generator was published during the year. The results of these studies are being utilized by the University of Wisconsin-Milwaukee and Milwaukee County transit planners in continuing efforts to provide improved transit service to the University of Wisconsin-Milwaukee area.

The University of Wisconsin-Parkside in the Racine and Kenosha urbanized areas also continued during 1976 to analyze the travel habits and patterns of the students, faculty, and staff at the Parkside Campus. It is anticipated that a final report will be issued for this study in 1977.

Also during 1976 the Wisconsin Department of Transportation, utilizing federal transit planning monies made available through the Regional Planning Commission, continued work on the southeastern Wisconsin commuter study, a study of the transit needs of commuters from the Region oriented to the Chicago central business district. A technical and citizen advisory committee was created during the year to assist the Department and its consultant in the conduct of this study. In September 1976 an interim report was prepared for committee review and response. At year's end the study consultant was responding to committee comments concerning the possible alternatives that should be evaluated in the provision of transit service to the Chicago central business district from Kenosha, Lake Geneva, and Walworth.

UNIVERSITY OF WISCONSIN - MILWAUKEE UBUS



ELDERLY AND HANDICAPPED TRANSPORTATION PLANNING

In response to a request from the Milwaukee County Transit Board, the Division staff began in 1976 the conduct of a study of the specialized needs of the Region's elderly and handicapped population. The first half of the year was spent in preparing a study design, in interviewing consulting firms to provide the necessary skills to conduct the study, and in negotiating a contract with the consultant selected to conduct the study, Applied Resources Integrated Ltd., Boston, Massachusetts. Work began on the study on July 28, 1976.

To provide policy guidance in the conduct of this important specialized planning effort, the Commission created three intergovernmental coordinating and citizen advisory committees, one for the four-county Milwaukee Standard Metropolitan Statistical Area, one for Racine County, and one for Kenosha and Walworth Counties combined. These committees were deliberately structured to include citizen members who are handicapped and/or elderly, as well as representatives of those agencies which serve the handicapped and elderly through the provision of specialized transportation services, employment, and other social services. Late in 1976 the Division staff conducted a special telephone survey designed to determine the travel habits and characteristics of the elderly and handicapped. In addition, work began on a survey of the institutionalized segment of the elderly and handicapped population. At year's end several draft chapters of the final plan report were scheduled for review by the three advisory committees.

During 1976 the Region's three major public transit systems began to make special efforts to provide improved transportation services to the elderly and handicapped, even in advance of the regional elderly and handicapped transportation plan. For example, the Milwaukee County Transit Board began the installation of special handholds and established a reserved seating policy on its bus fleet and provided for free riding by attendants of elderly and handicapped. In addition, Milwaukee County contracted with a private chair car carrier to provide door-to-door transit service for those transportation handicapped unable to use the buses. The Racine Transit Commission took delivery in April 1976 of a fleet of 25 new buses with special handrail design for easier accessibility by the elderly and handicapped. The Racine Transit Commission also helped fund a special demand-responsive transit service in Racine

County, providing the transportation handicapped with door-to-door service for medical, nutrition, shopping, and social and recreational trips. The Kenosha Transit Commission took the first steps toward planning for the installation of wheelchair lifts on two transit vehicles in accordance with the recommendations contained in the Kenosha transit development program.

TRANSPORTATION IMPROVEMENT PROGRAMMING

Late in 1976 the Commission prepared and readied for publication a document entitled Interim Transportation Improvement Program for the Kenosha, Milwaukee, and Racine Urbanized Areas in Southeastern Wisconsin: 1977-1981. In accordance with federal requirements, the Commission intends to prepare, publish, and adopt such a program annually. It is intended that the transportation improvement program be a staged, multiyear program of projects designed to implement both the long-range and short-range elements of the regional transportation plan. At year's end the 1977-1981 transportation improvement program was readied for review by the appropriate intergovernmental and coordinating committees established in each of the three urbanized areas to provide direction in this annual work effort.

AIR TRANSPORTATION PLANNING

On March 4, 1976, the Commission formally adopted the regional airport system plan documented in SEWRPC Planning Report No. 21, A Regional Airport System Plan for Southeastern Wisconsin. The plan was subsequently certified to all of the units and agencies of government concerned with air transportation system development. The recommended regional airport system plan is graphically summarized on the accompanying map.

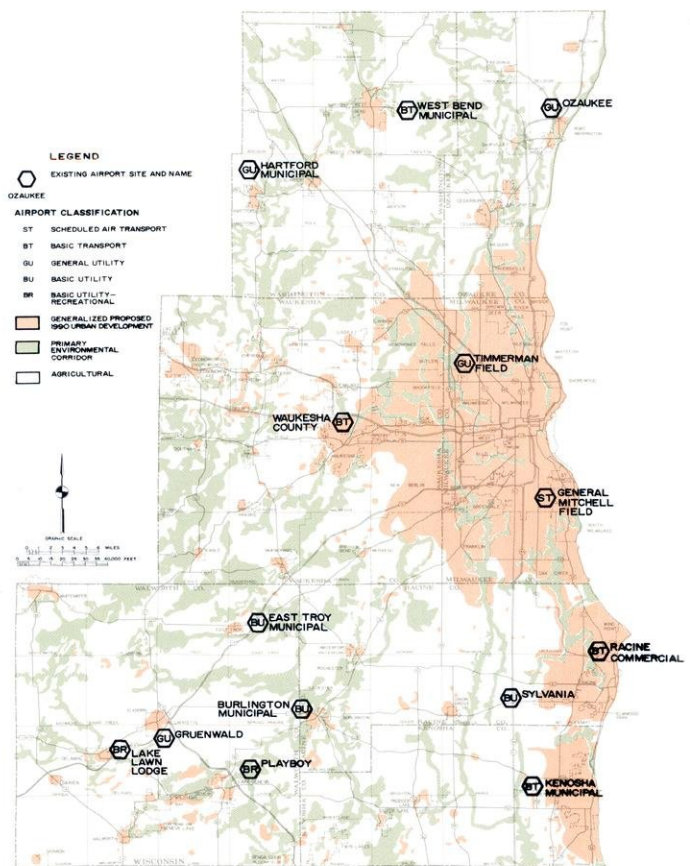
Significant progress was made in 1976 on completing airport master plans that refine and detail the facility recommendations contained in the regional airport system plan. In the master planning effort for General Mitchell Field in Milwaukee, the aviation consultant completed all technical work by the end of the year for the onsite portion of the master plan. Under this planning effort, the Commission has the responsibility to prepare a land use plan for the Mitchell Field area that is compatible with the onsite facilities plan. At year's end the advisory committee assist-

ing the Commission in this special land use planning effort had received the recommendations of the consultant with respect to the onsite portion of the plan and was beginning to formulate its recommendations for the General Mitchell Field area land use plan.

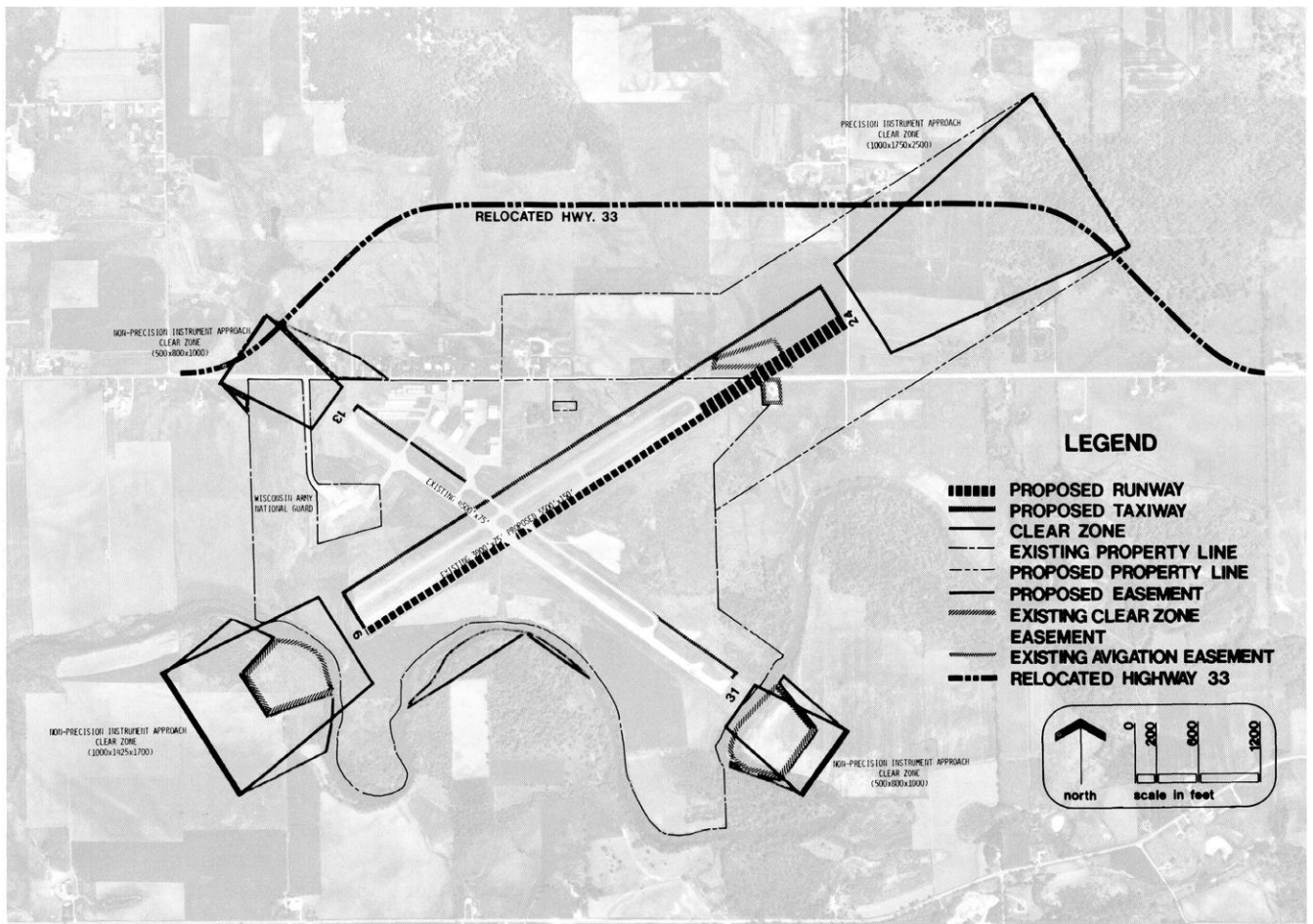
The master plans for the Kenosha and West Bend Municipal Airports were both fully completed during 1976. Each of these master plans refines and details the more general system level recommendations contained in the regional airport plan. At year's end these plans were awaiting approval and adoption by the local governing bodies.

All technical work was concluded on the airport master plan for the Waukesha County Airport. The Commission objected to the final draft of the master plan, citing significant differences between that plan and the recommendations contained in the regional airport system plan. These differences relate primarily to the provision of an additional paralleling east-west runway at the field. This proposed runway was included in the final report of the airport master plan but was not included in the regional system plan. At year's end these differences remained unresolved.

FINAL RECOMMENDED REGIONAL AIRPORT SYSTEM PLAN: 1995

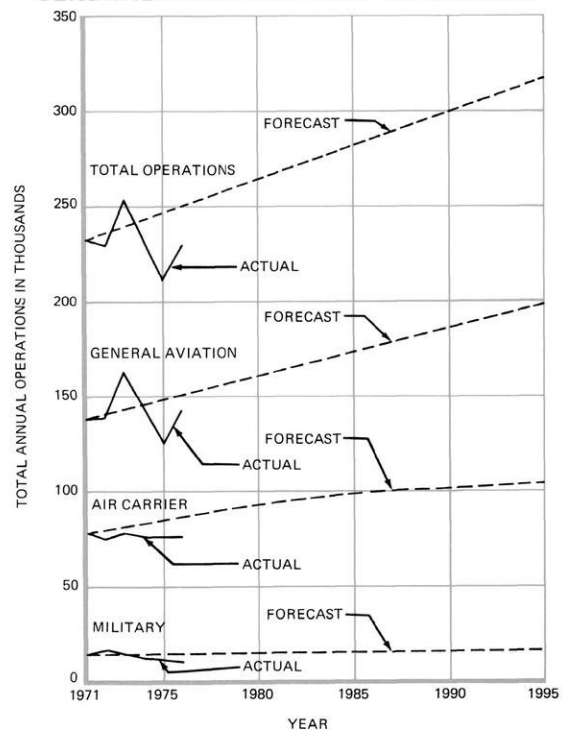


WEST BEND MUNICIPAL AIRPORT MASTER PLAN



The Division staff continued in 1976 to monitor aviation activity in the Region in order to compare such activity with the forecasts of based aircraft, aircraft operations, and passenger enplanements as set forth in the adopted regional airport system plan. One set of forecasts deals with anticipated total annual aircraft operations at General Mitchell Field in Milwaukee, the Region's only scheduled air carrier airport. As shown on the accompanying graphs, total annual aircraft operations at General Mitchell Field stood at about 229,000 in 1976, about 23,000 less than the forecast operations, representing a difference of about 9 percent. Total aircraft operations at this field are comprised of air carrier, general aviation, and military operations. Air carrier operations totaled nearly 77,000 in 1976, about 9,000 fewer than forecast, representing a difference of about 10 percent. General aviation operations totaled about 142,000 in 1976, or about 9,000 operations fewer than forecast, representing a difference of about 6 percent. Military operations totaled about 10,000 in 1976, representing a difference of about 5,000, or 33 percent less than the forecast.

ANNUAL AIRCRAFT OPERATIONS GENERAL MITCHELL FIELD—MILWAUKEE



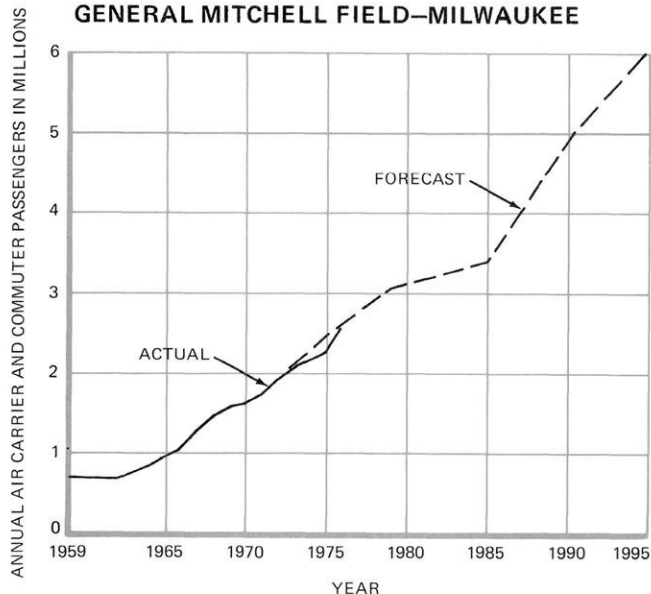
Air carrier and commuter enplaning and deplaning passengers at General Mitchell Field, as shown on the accompanying graph, totaled about 2.56 million in 1976, slightly less than the forecast of 2.61 million such passengers set forth in the adopted regional airport system plan.

Aircraft based in the Region during 1976 totaled about 1,450, as compared to the forecast total of about 1,230 based aircraft, a difference of about 18 percent.

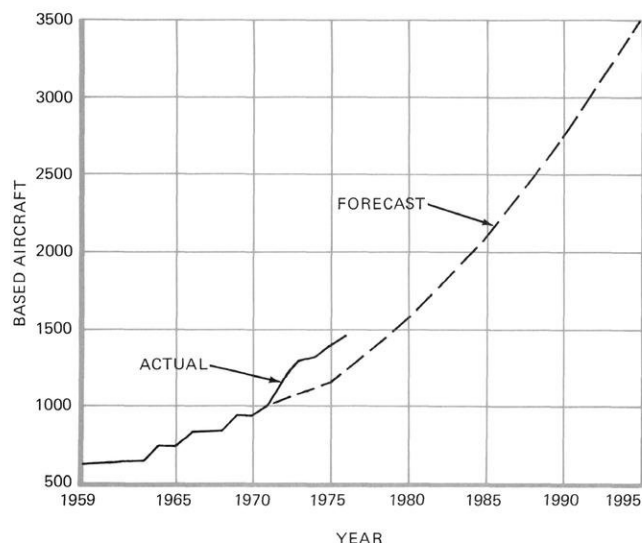
AIRCRAFT BASED IN THE REGION

County	1960	1965	1970	1975	1976
Kenosha	28	60	76	111	120
Milwaukee	338	362	356	516	535
Ozaukee	19	13	32	39	37
Racine	65	89	108	177	177
Walworth	23	31	48	96	97
Washington	45	63	118	160	190
Waukesha	118	163	243	301	298
Total	636	781	981	1,400	1,454

ANNUAL AIR CARRIER AND COMMUTER ENPLANING AND DEPLANING PASSENGERS GENERAL MITCHELL FIELD—MILWAUKEE



AIRCRAFT BASED IN THE REGION



DATA PROVISION AND ASSISTANCE

Considerable Division staff time is directed each year at answering requests for transportation data. The following list indicates the types of data requests responded to by the Division staff during 1976:

- Provision of zone-to-zone travel times over the arterial street and highway system to Johnson Memorial Hospital at the request of Milwaukee County.
- Provision of a series of maps identifying the origins and destinations of freeway flyer users, as reported in the Commission 1972 major travel inventory, to the Milwaukee County Expressway and Transportation Commission for use in planning park-and-ride facilities.
- Provision of summaries of trips destined to the Southgate Shopping Center in Milwaukee by origin and trip purpose to a private consulting firm for use in a market analysis.
- Provision of existing peak hour capacities of selected streets within the central business district of the City of Milwaukee to the City of Milwaukee Department of Public Works, for evaluating a proposed street vacation.
- Provision of special travel summaries drawn from the 1972 major travel inventory indicating the number of trips between home and work that were made by auto driver, auto passenger, and truck passenger within the Milwaukee urbanized area for each hour of the day to the Wisconsin Department of Transportation for their use in evaluating peak hour travel patterns.

- Provision of data depicting the trip length distribution of travel, as reported in the 1963 and 1972 major travel inventories for auto driver trips between home and shopping, to the City of Milwaukee, Department of City Development, for use in evaluating the accessibility of commercial centers.
- Provision of travel time data between the Milwaukee central business district and selected traffic analysis zones in the Region, derived from the 1972 inventory of travel, to the University of Wisconsin-Milwaukee for use in housing market analyses.
- Provision of data from the 1972 major inventory of travel relating to travel between southeastern Wisconsin and the Chicago central business district to a private consulting firm for computer-oriented transit planning being done for the Wisconsin Department of Transportation.

ENVIRONMENTAL PLANNING DIVISION

DIVISION FUNCTIONS

The Commission's Environmental Planning Division conducts studies relating to and provides recommendations for the protection and enhancement of the Region's environment. Among the basic questions to which answers are sought are the following:

- What is the existing water quality of the lakes and streams of the Region? Is water quality getting better or worse over time?
- How can the sources of water pollution—sewage treatment plant effluents, separate and combined sewer overflows, industrial waste discharges, urban stormwater runoff, rural stormwater runoff—best be controlled to abate water pollution and meet water quality objectives?
- What is the extent of our natural floodlands along lakes and streams?
- What is the best way to resolve existing flooding problems and ensure that new flooding problems are not created?
- What is the existing air quality in the Region? Is air quality getting better or worse over time?
- Will future emissions of air pollutants result in air clean enough to meet established standards? If not, what strategies should be employed to ensure that the standards are met?
- What needs to be done to assure 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?

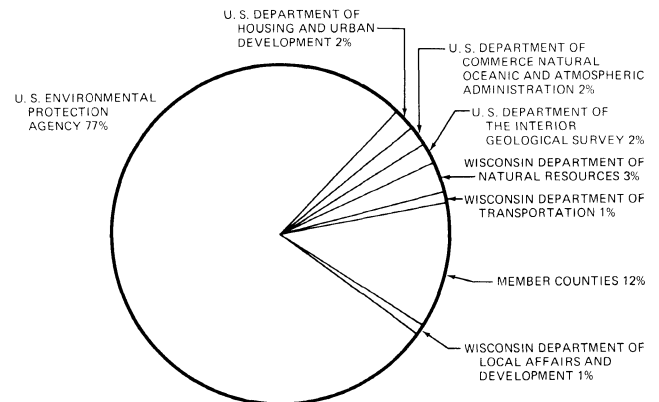
In attempting to find sound answers to these and other similar important questions, to make recommendations concerning environmental protection and enhancement, to monitor levels of environmental quality in the Region, and to respond to requests for data and technical assistance, the Environmental Planning Division during 1976 conducted a number of activities in five identifiable areas: water quality planning, watershed and flood-

land management planning, air quality planning, coastal zone management planning, and water supply planning.

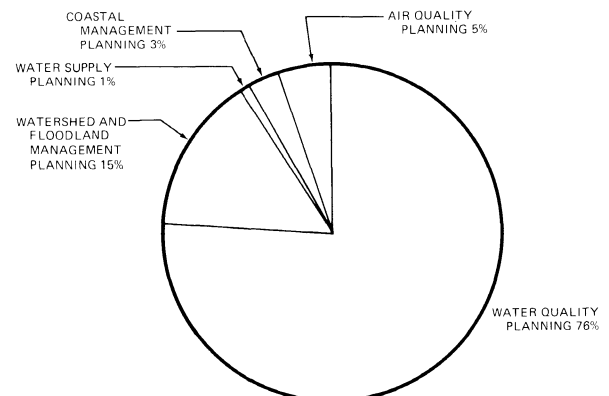
WATER QUALITY PLANNING

During 1976, the Commission water quality planning efforts were largely concentrated in the conduct of a planning program designed to meet the requirements of Section 208 of the Federal Water Pollution Control Act of 1972. This program has been designed to provide recommendations for the control of water pollution from both point sources—sewage treatment plants, sewer overflows, and industrial waste outfalls—and from nonpoint sources—urban and rural stormwater runoff. Included in the program as a major subelement is the preparation of recommendations for the management of sewage sludge, the waste residual

**ENVIRONMENTAL PLANNING DIVISION
1976 FUNDING
\$1,273,575**



**DISTRIBUTION OF FUNDING
TO WORK PROGRAMS**



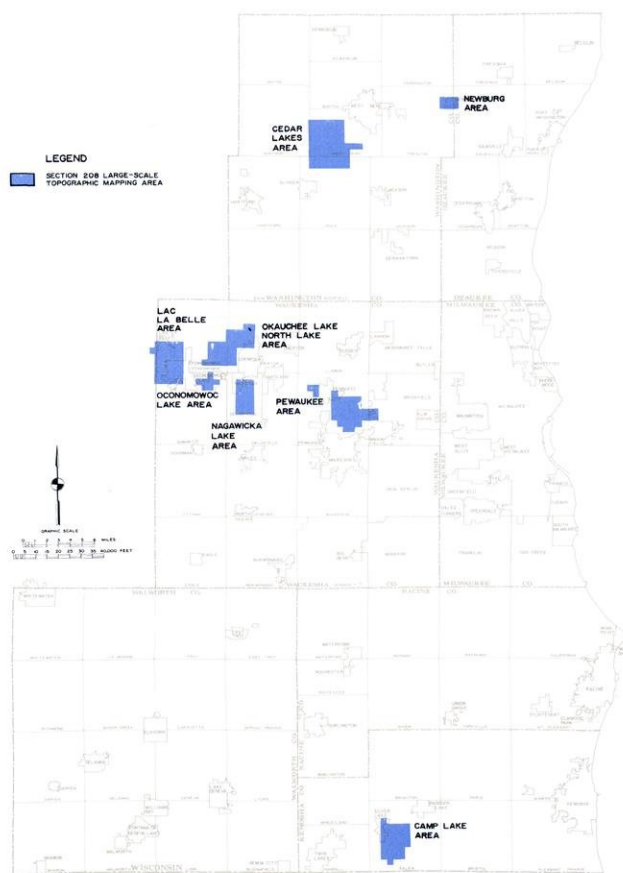
from sewage treatment plants. In addition, the Division staff during 1976 contributed toward the conduct of two water quality-oriented applied research programs—the International Joint Commission (IJC) Menomonee River pilot watershed study and the Washington County soil erosion and sediment control project. Finally, additional efforts were made during 1976 in the area of stream sampling, in order to add to the historic water quality data base previously established by the Commission.

Areawide Water Quality Management Planning

Areawide water quality management planning pursuant to Section 208 of Public Law 92-500 in 1976 was focused largely on the collection and assembly of basic data necessary for developing alternative plans for the control of water pollution, and included a major reanalysis of current and historic stream water quality conditions in the Region. Major data collection efforts included the following:

- The preparation of large-scale topographic maps for selected areas of the Region, totaling about 54 square miles in which critical water resource decisions soon will be required. The mapping included areas around lakes where intensive lake water quality-oriented studies are being made and where the data made available through the mapping program will be helpful in making recommendations for lake management, as well as areas in which sewerage system construction is to be considered.
- The collection and collation of all available stream and lake water quality data for the period 1964 through 1975. At year's end, a report was under preparation which would include analysis of changes in surface water quality conditions in the Region over the past decade, a determination of where in the Region stream water quality standards are not being met, and an identification of the sources of pollution which impair the water quality.
- The conduct of a special water quality monitoring effort in order to provide the data needed to calibrate a hydrologic—hydraulic—water quality simulation model. This model will be an important analytical tool in the preparation of alternative water quality plans. This special effort took place

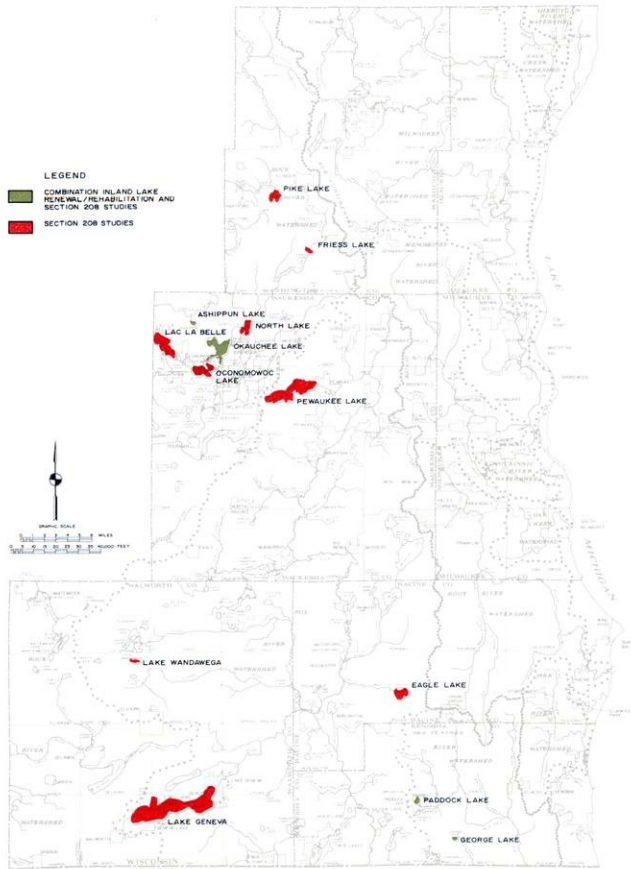
LARGE SCALE TOPOGRAPHIC MAPPING PREPARED UNDER THE AREAWIDE WATER QUALITY MANAGEMENT PLANNING PROGRAM



at 36 sampling stations and included the installation of staff gages and the preparation of stage discharge rating curves, the collection of water samples, and the analysis of these samples in the laboratory. This special sampling effort was designed to capture water quality data under low-flow conditions and under the changing conditions associated with a storm of known intensity and duration.

- The conduct of special in-depth lake water quality studies at 13 major lakes in the Region as shown on the accompanying map. In these studies, which were conducted jointly with the Wisconsin Department of Natural Resources, 198 sampling stations were established, representing an average of 15 stations per lake. These studies are intended to identify sources of water pollution in the lake drainage areas, the existing lake water quality, and the most cost-effective way to protect or enhance lake water quality.

INLAND LAKE STUDIES FUNDED UNDER THE AREAWIDE WATER QUALITY MANAGEMENT PLANNING PROGRAM



- The conduct of special inventories of storm sewer systems, sanitary and combined sewer systems, and industrial sources of pollution in the Region.
- The conduct of a special inventory of sewage sludge rates of generation and disposal practices.
- The conduct of a major inventory of land cover data in order to provide a basis for the identification and quantification of diffuse sources of pollution. This major inventory included a cooperative effort with each of the seven county soil and water conservation districts in which the professional staffs of each district, together with local residents, delineated on aerial photographs the types, locations, and sizes of all livestock operations in excess of 25 head; the locations and types of all agricultural crops; and the location and extent of known sites of severe soil erosion.

- The conduct of other special inventories of diffuse or nonpoint sources of pollution, including areas of commodity storage, transport, or disposal, such as salt piles and coal piles; pipelines, dumps, and sanitary landfill sites; sand and gravel operations; and stone quarries.
- The identification of hydrologic subbasins and the collection and assembly of hydrologic soil types and meteorological data for each subbasin.
- The imitation of special channel and flood-plain field surveys to identify the cross-sections, gradients, and other channel and riverine area characteristics of the streams. These surveys will include the establishment of 440 benchmarks to mean sea level datum along the stream networks of the Region, measurements of 410 hydraulic control structures, and measurement of 390 stream cross-sections required to characterize the stream network for water quality—quantity simulation modeling.
- The conduct of state of the art studies in the area of wastewater treatment and sludge management. Drafts of four technical reports were completed, one each dealing with the state of the art of point source pollution control, rural storm water runoff control, urban storm water runoff control, and sludge processing and disposal.

As a major subelement of the Section 208 planning program, the Commission in 1976 retained Camp Dresser and McKee, Inc., to prepare a recommended plan for sludge management in the Region. Work efforts in this respect during 1976 included identification of existing sludge characteristics through the collection and analysis of sludge samples from 24 public sewage treatment plants and 13 industrial waste treatment plants, identification of existing and potential sludge disposal sites, and determination of the distances required to transport sludges to those disposal sites. It is anticipated that this major work effort will culminate in the preparation in 1977 of a regional sludge management plan.

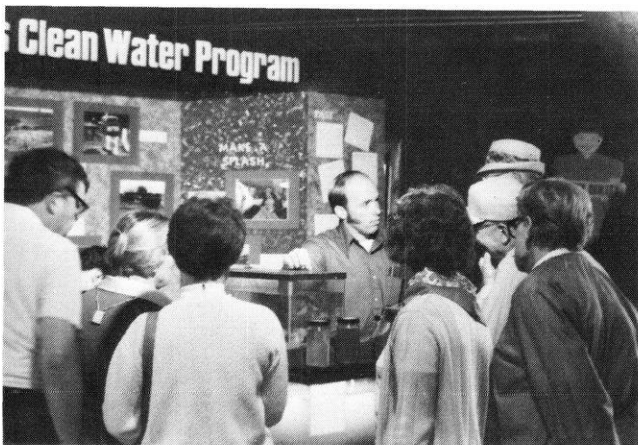
The Division staff during 1976 worked extensively with local engineering consultants in the conduct of detailed sewerage facilities plans designed to meet the requirements of Section 208 of the Federal Water Pollution Control Act amendments of 1972. Such work efforts included the provision

of basic economic, demographic, land use, and resource data; the review of report outlines and draft reports; and attendance at meetings, including technical meetings to discuss report content and public meetings to explain the detailed facility recommendations set forth in the reports.

In addition, the Commission Chairman and Executive Director served on a special Task Force established by the County Executive of Milwaukee County to assist in the development of a capital improvement program for the Milwaukee-Metropolitan Sewerage Commissions totaling nearly \$700 million. This construction schedule was approved by the Task Force and has become in part the basis for resolving a lawsuit between the Wisconsin Department of Natural Resources and the joint Milwaukee Sewerage Commissions.

The conduct of the Section 208 planning effort also included extensive public involvement activities. The Commission contracted with the University of Wisconsin-Extension service for professional staff support in the development and conduct of an overall public involvement program. A 51-member citizen advisory panel for public participation was established to assist the assigned University of Wisconsin-Extension staff in carrying out the public involvement program. This program included an extensive series of meetings, both with the general public and with local government committees, the conduct of bus tours and workshops, the preparation of news releases and fact sheets, and the preparation of booth displays for use at fairs and schools.

WATER QUALITY PLANNING INFORMATION BOOTH - WISCONSIN STATE FAIR



IJC Menomonee River Pilot Watershed Study

The Menomonee River pilot watershed study being conducted by the International Joint Commission, a Commission established by treaty between the governments of Canada and the United States, is primarily a research endeavor with emphasis on determining the effects of land uses on Great Lakes water quality. A total of seven pilot studies are being conducted, one of which is for the Menomonee River watershed in southeastern Wisconsin.

The principal objectives of the Menomonee River pilot watershed study, which is being conducted jointly by the SEWRPC, the Wisconsin Department of Natural Resources, and the University of Wisconsin System Water Resources Center, are:

- To determine the levels and quantities of major and trace pollutants, including nutrients, pesticides, and sediments, reaching the stream systems tributary to the Great Lakes.
- To identify the sources and evaluate the behavior of pollutants from an urban complex, with particular emphasis on the potential impact of residential, commercial, and industrial land use development, including supporting utility and transportation facilities, and of construction activities, associated with rapid urbanization, on stream water quality.

WATER QUALITY-QUANTITY MONITORING STATION ON THE MENOMONEE RIVER CITY OF WAUWATOSA



- To develop the predictive capability necessary to facilitate extension of the findings of the Menomonee River Pilot Watershed Study to other urban settings, leading to an eventual goal of accurately estimating pollution inputs from urban sources for the entire Great Lakes Basin.

During 1976, the Division staff made the following contributions to this study:

- Participation in meetings of interagency technical committees established to provide for coordination of the seven pilot watershed studies and to determine simulation modeling techniques for the Menomonee River watershed study.
- Provided base maps, land use data, soils data, aerial photographs, subbasin delineations, and water quality data to the study participants.
- Assisted in the preparation of two semi-annual reports.

Washington County Sediment and Erosion Control Study

During 1976 the Division staff also participated in a research and demonstration project being conducted by the Wisconsin State Board of Soil and Water Conservation Districts and the University of Wisconsin System dealing with diffuse or nonpoint water pollution sources, particularly including sediment. This study, commonly known as the Washington County project has the following principal objectives:

- To demonstrate through a monitoring program the effectiveness of land use control techniques in improving surface water quality.
- To develop a model sediment control ordinance for application on a county-wide basis.
- To determine the combination of institutional elements required for implementing the model sediment control ordinance on a countywide basis.

- To develop a description of the personnel required and the level of technical assistance needed to implement a county-wide sediment control program using a regulatory approach.
- To develop and systematize the educational and informational dissemination effort required for implementing a sediment control program using a regulatory approach.
- To estimate the water quality benefits to be derived from the implementation of sediment control ordinances throughout the Great Lakes drainage basin, and to develop educational materials useful for implementing sediment control programs.

During 1976, the Division staff participated in technical meetings guiding the conduct of the Washington County project and cooperated in public participation efforts designed to ensure public involvement in the project. In addition, the Division staff reviewed and commented on draft reports dealing with the existing institutional arrangements for sediment control. The Division staff also provided data to the other study participants, including for selected subareas of Washington County, inventories of animals, agricultural crops, cropping practices, and soil conservation practices.

Water Quality Monitoring Program

The Commission has carried on in cooperation with the Wisconsin Department of Natural Resources a continuing stream water quality monitoring program in the Region designed to build upon the benchmark water quality data obtained directly by the Commission in 1964. The program has been revised from time to time to meet the changing needs of the agencies which use the data. As noted above in connection with the Section 208 water quality planning effort, in 1976 the annual stream water quality monitoring program was supplemented to provide the intensive sampling necessary to obtain data to properly calibrate the hydrologic—hydraulic—water quality simulation model. Of the original 87 stream sampling stations established by the Commission, 23 were selected for intensive monitoring during the year. In addition, 13 new stations were established primarily to provide water quality data at newly established stream gaging sites.

An intensive water quality sampling program, known as the stream water index site sampling program, was conducted over the period September 7 through November 19, 1976, at the 36 sites shown on the accompanying map. The program was to include a maximum of 30 samplings at each site, beginning with diurnal sampling on the first day and daily samples thereafter, with the sampling frequency increased to diurnal sampling during rainfalls in excess of one-half inch of rain, until a maximum of 30 samples was collected at each station. The absence of significant rainfall events at 25 of the index site locations, however, resulted in a partial postponement of the program until 1977. Water quality data collected and analyzed at these stations included the following: temperature, specific conductance, dissolved oxygen, five-day carbonaceous biological oxygen demand, nitrate-nitrogen, nitrite-nitrogen, ammonia-nitrogen, organic-nitrogen, soluble orthophosphate, total phosphorus, chloride, fecal coliform, zooplankton, phytoplankton, and periphyton.

WATERSHED AND FLOODLAND MANAGEMENT PLANNING

In 1976 Division staff efforts under the watershed and floodland management planning category concentrated on preparation of a comprehensive plan for the Menomonee River watershed, initiation of a Kinnickinnic River watershed study, completion of supplemental analyses attendant to implementation of the previously completed and adopted Root River watershed plan, conduct of special floodland management studies at the request of individual local units of government, provision of data to engineering firms completing analyses used in flood insurance rate studies authorized by the U. S. Department of Housing and Urban Development, and conduct of a continuing stream gaging program.

Menomonee River Watershed Study

During 1976 the Division staff completed all work on the preparation of a comprehensive plan for the Menomonee River watershed. This work effort was conducted by the Commission in response to formal requests from the Cities of Brookfield and Wauwatosa and Milwaukee County to provide recommendations for the resolution of the serious flooding and water quality problems that exist in this heavily urbanized watershed. The final planning report, documenting the findings and recommendations of the four-year study, was published at year's end and consisted of SEWRPC Planning

Report No. 26, A Comprehensive Plan for the Menomonee River Watershed, Volume One, Inventory Findings and Forecasts, and Volume Two, Alternative Plans and Recommended Plan. Publication of this report followed an extensive series of informational meetings and a public hearing held in the Fall of 1976.

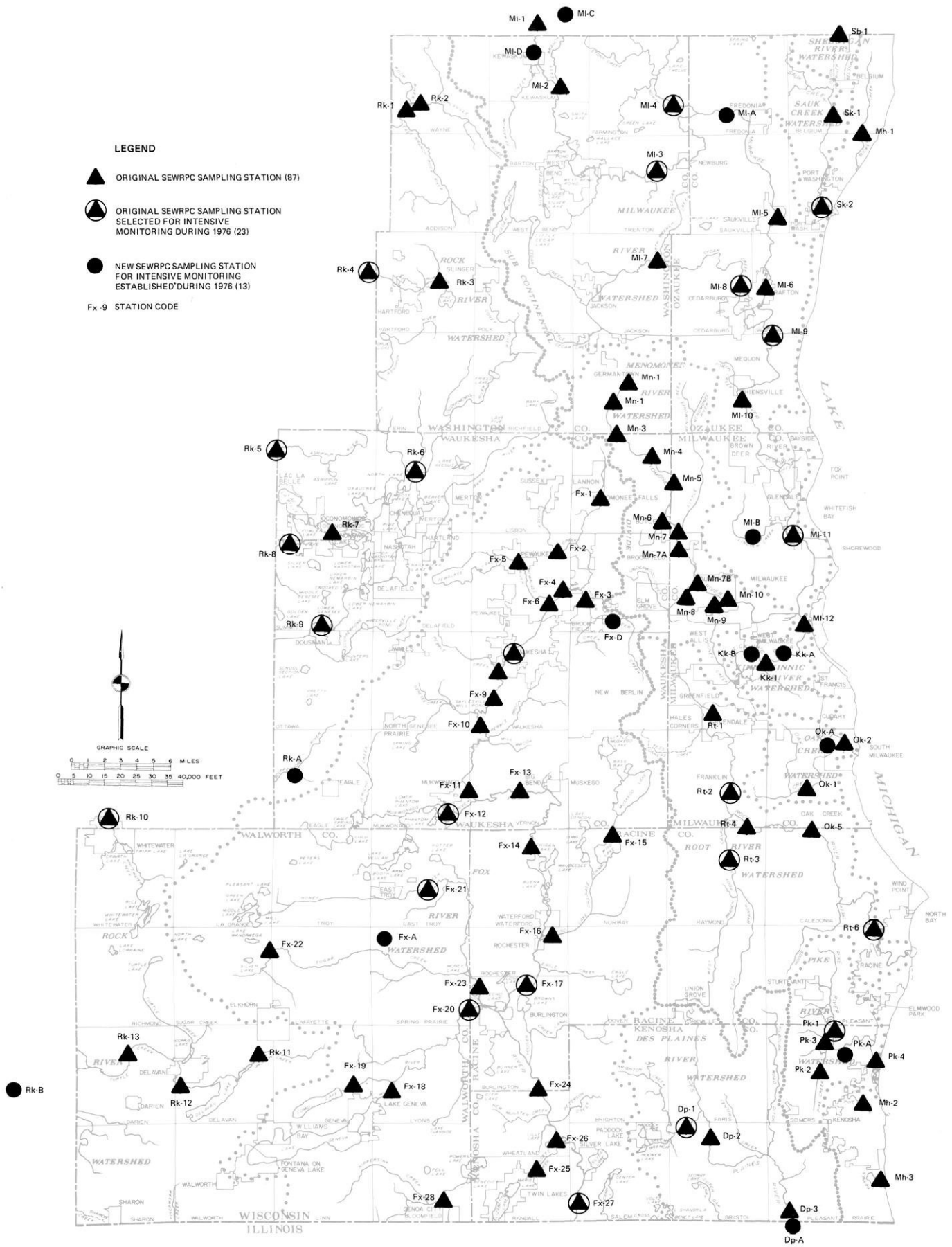
The recommended comprehensive plan for the Menomonee River watershed consists of a land use plan element, a floodland management plan element, and a water quality management plan element. The land use plan element contains the following major proposals:

- The conversion of about 15 square miles of land from rural to urban use over the next two to three decades. All new development would be located in those areas of the watershed readily provided with sanitary sewer and water supply services and on soils suitable for such development. No new urban development would be placed in natural floodlands, primary environmental corridors, or prime agricultural lands.
- The protection of nearly 15 square miles of primary environmental corridor lands, including the public acquisition of about 6.3 square miles of such lands located primarily along the main stem of the Menomonee River in Waukesha and Washington Counties.
- The provision of an interconnected system of nearly 57 miles of parkway pleasure drives, scenic pleasure drives, recreational trails, and interconnecting urban streets. This system includes 13 miles of new parkway pleasure drives and five miles of new recreational trails.

The floodland management element contains the following major proposals:

- The enactment of appropriate zoning regulations to ensure that new urban development does not occur in currently undeveloped natural floodlands.
- A combination of the following actions to resolve flood problems along Underwood Creek in the Village of Elm Grove: 1) construction of a 215-acre-foot flood detention reservoir on Dousman Ditch in the City of Brookfield and 2) floodproofing of up to 187 structures and the removal of structure.

STREAM WATER QUALITY SAMPLING STATIONS: 1976



TYPICAL FLOOD HAZARD MAP OF A PORTION OF THE MEMOMONEE RIVER WATERSHED



- A combination of the following actions to resolve flood problems along the Menomonee River in the City of Wauwatosa between the eastern limits of the City and Harwood Avenue: 1) a combination of channelization and dikes and floodwalls downstream of N. 70th Street and 2) acquisition and removal of about 60 existing flood-prone structures along the Menomonee River immediately upstream of the N. 70th Street bridge, together with

the floodproofing of up to 93 structures in the same area. These activities would permit a 13-acre expansion of Hart Park and the retention of existing natural features along the Menomonee River along N. 70th Street and Harwood Avenue.

- Structure floodproofing and/or removal to resolve flood problems along other flood-prone stream reaches in the City of Wauwatosa, including the following: 1)

removal of about 10 structures and flood-proofing of up to 200 structures along the Menomonee River between Harwood Avenue and W. Hampton Avenue; 2) flood-proofing of up to 15 structures along Honey Creek between the Menomonee River and W. Wisconsin Avenue; and 3) floodproofing of up to 55 structures along Underwood Creek between the Menomonee River and the Zoo Freeway.

- A combination of the following actions to resolve flood problems along Underwood Creek in the City of Brookfield, in addition to the previously mentioned detention storage reservoir on Dousman Ditch: 1) enlargement of the waterway opening carrying Underwood Creek under the Chicago, Milwaukee, St. Paul, and Pacific Railroad tracks, and 2) removal of about five structures and floodproofing of up to 65 structures along the Underwood Creek reach bounded by the aforementioned Railroad tracks and W. North Avenue.
- Structure floodproofing of up to 20 structures to resolve flood problems along the 1.26-mile reach of Butler Ditch upstream of Lisbon Road in the City of Brookfield.
- Structure floodproofing of up to 20 structures to resolve flood problems along the 1.06-mile reach of the Little Menomonee River immediately north of Mequon Road in the City of Mequon.
- Structure floodproofing of up to 75 structures to resolve flood problems along the 0.7-mile reach of the Menomonee River from N. 45th Street to Hawley Road in the City of Milwaukee.
- Major channelization to resolve flood problems along the Menomonee River in the Village of Menomonee Falls. Under this recommendation a 4.6-mile-long reach of the Menomonee River in the Village of Menomonee Falls would be subjected to major channelization. The channel would be turf lined with the exception of a 0.5-mile reach between Arthur Avenue and Margaret Road extended where steeper slopes would require the use of a concrete lining for the channel bottom and the lower portion of the sidewalls.
- Major channelization to resolve flood problems along portions of Lilly Creek within the Village of Menomonee Falls. Under this recommendation, major channelization would consist of a turf lined channel along a 1.4-mile reach of Lilly Creek bounded at its upstream end by W. Silver Spring Drive and at its downstream end by Jerry Lane extended. The 1.5-mile reach from the Menomonee River to Jerry Lane extended would have concrete on the bottom and on the lower portion of the sidewalls.
- Establishment of a new flood protection elevation at least two feet above the 100-year recurrence interval flood stage profile along the Menomonee River in the Menomonee industrial valley upstream of the 27th Street viaduct in the City of Milwaukee. This elevation would supersede the flood protection elevation presently established for that reach by the Milwaukee-Metropolitan Sewerage Commissions.
- Removal of The Falk Corporation dam on the Menomonee River in the industrial valley in order to reduce flood stages at the earthen dike protecting the south boundary of the Chicago, Milwaukee, St. Paul, and Pacific Railroad yards. Should The Falk Corporation retain the dam, a contingent recommendation is made to appropriately raise the crest of the dike protecting the railroad yards.
- Construction of a floodwall and necessary backwater gates and storm water pumping stations along the east bank of the Menomonee River in the City of Milwaukee between IH 94 and the W. Wisconsin Avenue viaduct.
- Construction of floodwall extensions and necessary backwater gates and storm water pumping stations along the west bank of the 0.16-mile reach of the Menomonee River between the W. Wisconsin Avenue viaduct and the Chicago, Milwaukee, St. Paul, and Pacific Railroad bridge immediately upstream, as well as along appropriate portions of both sides of the Menomonee River channel between the Chicago, Milwaukee, St. Paul, and Pacific Railroad bridge and the N. 45th Street crossing of the River.

The recommended water quality management plan element includes the following major proposals:

- Abandonment of four municipal sewage treatment plants which currently discharge sewage effluent to the main stem of the Menomonee River. These four plants are the Village of Germantown plant, the Village of Menomonee Falls Pilgrim Road plant, the Village of Menomonee Falls Lilly Road plant, and the Village of Butler sewage overflow-chlorination facility. The abandonment of these sewage treatment facilities will require completion of remaining segments of the Milwaukee-Metropolitan and local trunk sewer systems as identified in the adopted regional sanitary sewerage system plan.
- Provision of centralized sanitary sewer service to significant concentrations of presently unsewered urban areas in the watershed and to all planned new urban development. This recommendation will require the provision of such service to about 12 square miles of presently unsewered development and to about 15 square miles of anticipated new urban development over the next two to three decades.
- Abatement of combined sewer overflows that currently discharge untreated sewage to the Menomonee River through 25 outfalls. The watershed plan recommends that the forthcoming recommendations from the preliminary engineering study on combined sewer overflow abatement being conducted by the Milwaukee-Metropolitan Sewerage Commissions be considered an integral part of the comprehensive plan.
- Gradual elimination of 102 sanitary sewer flow relief devices—crossovers, bypasses, and relief pumping stations—that currently discharge directly or indirectly to the Menomonee River and its tributaries. Such sewage flow relief devices would be eliminated through necessary trunk and relief sewer construction.
- Abatement or elimination of direct or indirect discharges of industrial waste to the Menomonee River and its tributaries from about 44 existing industrial discharge points.
- Resolution of the residual creosote pollution problem in the Little Menomonee River within Milwaukee County by the excavation of a new channel along the 3.5-mile affected reach, filling in the existing channel and restoring the site.
- Control of pollution from feedlot runoff at 40 intensive animal feeding operations in the upper watershed through the provision of barnyard drainage control and manure storage facilities. The plan recommends that technical and financial assistance in selecting, designing, and constructing the necessary feedlot pollution control measures be provided to cooperating farmers by the U. S. Department of Agriculture, Soil Conservation Service, and the Washington and Ozaukee County Soil and Water Conservation Districts.
- Application of basic rural land conservation measures to agricultural land in the watershed having a slope of at least 2 percent and recommended to remain permanently in rural use in order to achieve a desirable 50 percent reduction in the washoff of sediment and associated pollutants from presently unprotected lands. The plan suggests that such basic land conservation measures as contour plowing, strip cropping, and minimum tillage be considered, along with such other measures as the careful application of chemical fertilizers, maintenance of greenways along streams, development of grassed waterways, and construction of detention dams and bench terraces. The plan recommends that technical and financial assistance in the selection and implementation of these measures be provided to cooperating farmers through the U. S. Department of Agriculture, Soil Conservation Service, and the Washington and Ozaukee County Soil and Water Conservation Districts.
- In order to reduce pollution from runoff in urban areas, the plan recommends that local communities review street cleaning and maintenance, street de-icing, and garbage collection policies and procedures in an attempt to reduce dirt and dust accumulation on road surfaces. In addition, the plan recommends that through appropriate ordinances and educational programs local communities seek to control litter and debris on private property, to ensure the

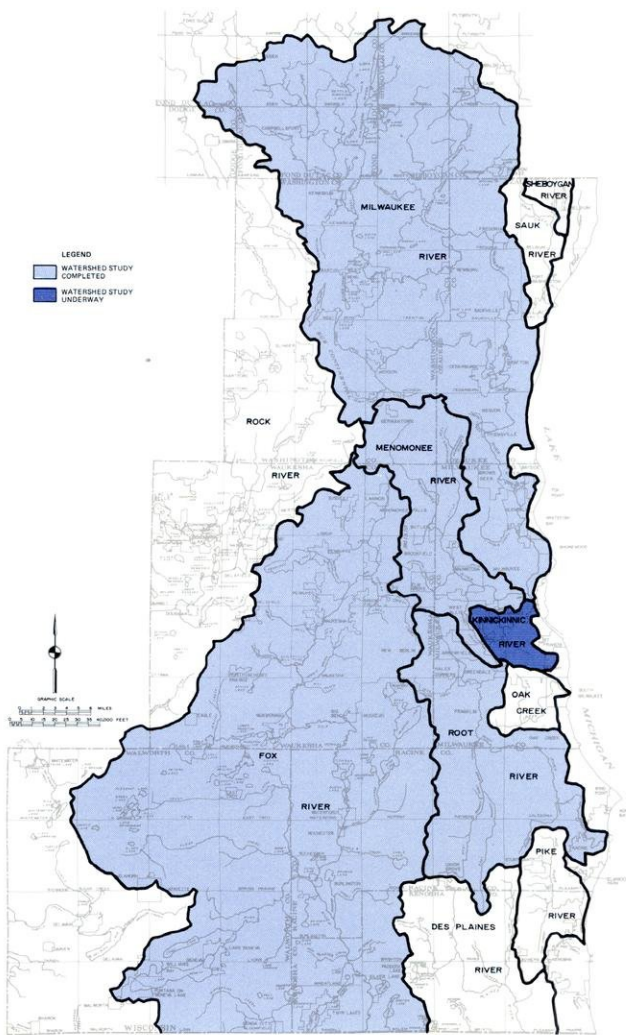
proper application of chemical and organic fertilizers and pesticides to lawns, and to control littering by domestic animals.

At year's end, all work on the Menomonee River watershed plan had been concluded, the final report published, and the plan was awaiting adoption by the Regional Planning Commission and certification to the local, state, and federal units and agencies of government concerned.

Kinnickinnic River Watershed Study

During 1976 the Commission was successful in obtaining sufficient funding to begin the Kinnickinnic River watershed study. This study was requested by the City of Milwaukee and is intended to result in a comprehensive plan for the Kinnickinnic River watershed to resolve the serious and costly flooding and water pollution problems in that watershed. Work began on the Kinnickinnic River watershed on July 1, 1976.

SEWRPC WATERSHED STUDY STATUS



During the latter half of 1976 the Division staff completed the following work tasks:

- Development of a detailed study design, including contract negotiations with a photogrammetric engineering consultant to obtain the required hydraulic structure data and channel floodplain cross-sections.
- Completion of about one-half of the required inventory work, including inventories of base mapping, land use, population and economic activity, and stream system hydraulics.
- Installation of a continuous stage recorder on the Kinnickinnic River to provide stream flow data needed to calibrate the hydrologic/hydraulic model to be used in the study.

Root River Watershed

The Division staff during 1976 completed yet another memorandum report pertaining to resolution of the serious flooding problems along the main stem of the Root River in the City of Greenfield. The Root River watershed plan, which was adopted in September 1966, calls for the acquisition and removal of those homes in the City of Greenfield along the Root River subject to serious flooding. This recommendation was made in the Root River watershed plan following consideration of a number of alternatives, including the channelization of the Root River in this reach and the construction of dikes and floodwalls.

This particular plan recommendation has been reevaluated several times since adoption of the Root River watershed plan. Despite a favorable recommendation from the Milwaukee Park Commission, as to implementation of the original recommendation, the Milwaukee Board of Supervisors failed to direct the Park Commission to proceed with the required floodplain evacuation efforts. The memorandum report completed early in 1976 again recommends that the Milwaukee County Park Commission and the Milwaukee County Board of Supervisors take appropriate steps to carry out the original plan recommendation, suggesting in addition that the Park Commission investigate the feasibility of physically relocating many of the homes involved to higher land, in some cases at the rear of existing lots and in other cases on surplus parkway land in the vicinity of this flood-prone reach of the Root River. It is estimated that this floodplain evacua-

tion plan would entail a capital cost of about \$1.2 million as compared to a capital cost of about \$6 million for channelization. At year's end no further action had been taken on the memorandum report submitted by the Commission to all parties concerned with this matter.

Special Floodland Management Studies

In addition to comprehensive watershed planning, the Division staff conducts from time-to-time on specific request of local units of government special floodland management studies. During 1976 work was completed on the preparation of a floodland information report for the Village of Pewaukee, work was nearly concluded on a similar report for the Village of Sussex, work continued on the development of flood control alternatives for Lincoln Creek in the City of Milwaukee, and work was initiated on the preparation of a floodland management plan for the Village of Pewaukee.

The Pewaukee study is documented in SEWRPC Community Assistance Planning Report No. 9, Floodland Information Report for the Pewaukee River. The report presents detailed floodland information for the Pewaukee River and the Pewaukee Lake Outlet within and near the Village of Pewaukee. The report presents flood discharges, stages, delineation of a floodway and floodplain fringe, and suggested floodland regulations. As such, the report refines and details the floodland management recommendations initially set forth by the Commission in the adopted comprehensive plan for the Fox River watershed. During 1976 the Division staff, at the request of the Village initiated the preparation of a plan for resolution of the flood problems identified in the above report.

During 1976 the Division staff also began the conduct of a study designed to provide detailed floodland management information for the Village of Sussex. Floodland data developed under the Commission Fox River watershed study extended up Sussex Creek to a point about one mile south of the Village of Sussex. The Village requested that the Commission extend the Fox River watershed study through the development of additional floodland information, not only for the remaining upstream reaches of Sussex Creek but for minor tributaries to that Creek and for Willow Springs Creek. At year's end this report was nearly completed and being readied for presentation to the Village of Sussex.

Work was nearly concluded during 1976 by the Division staff on the preparation of a report presenting the results of an evaluation of alternative flood control measures for Lincoln Creek in the City of Milwaukee. This study was requested by the City of Milwaukee Sewerage Commission and is intended to aid that Commission in making decisions concerning the resolution of serious and costly flooding problems along Lincoln Creek. A broad range of floodland management measures is being considered in the study, including the construction of storm water detention basins, dikes and floodwalls, and channelization. At year's end the report was nearly completed in draft form and being readied for presentation to the City of Milwaukee Sewerage Commission.

Flood Insurance Rate Studies

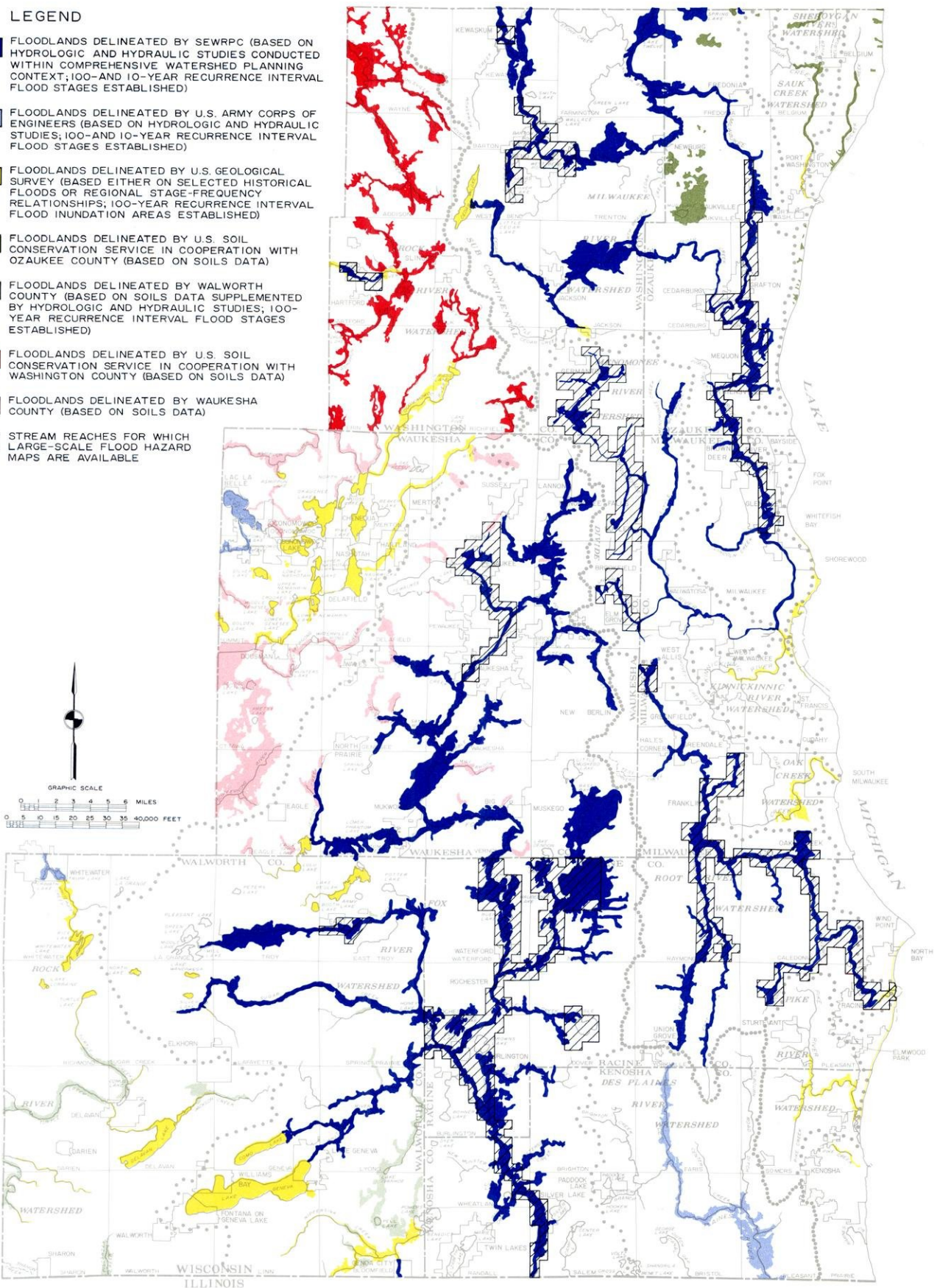
Under the National Flood Insurance Act of 1968, the U. S. Department of Housing and Urban Development was given broad authority to conduct all types of studies relating to the determination of floodlands and the risks involved in insuring development that may be situated in natural floodland areas. The Department is proceeding with the conduct of such studies on a community-by-community basis throughout the Region. While the Commission has not directly contracted with the Department for the conduct of such studies, the Division staff does cooperate with all of the engineering firms and federal agencies involved in the conduct of such studies, particularly including the provision of basic floodland data already developed by the Commission in a more comprehensive and cost-effective manner through the Commission's series of watershed studies. The Commission provides to the contractors all of the detailed hydraulic and hydrologic data developed under the 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 Department of Housing and Urban Development to carry out the flood insurance rate studies more efficiently and at less cost than if such data had to be developed on an individual community-by-community basis.

By the end of 1976, federal flood insurance rate studies were underway in 46 civil divisions in the Region as shown on the accompanying map. The Division staff was involved not only in providing available data from the Commission files to the contractors conducting such studies, but also in attending numerous meetings with local officials to discuss the conduct of, and results from, the flood insurance rate studies.

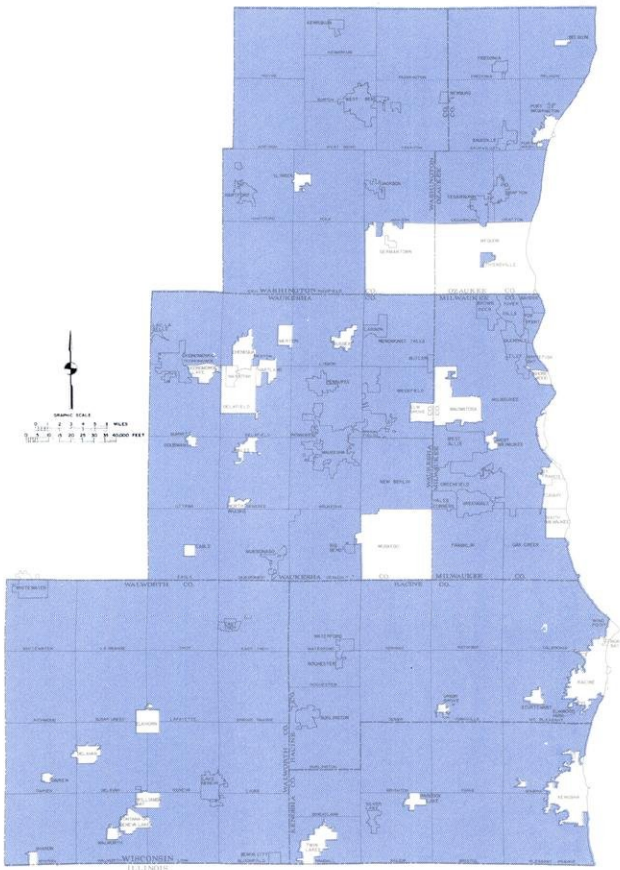
DELINEATION OF FLOODLANDS 1976

LEGEND

- FLOODLANDS DELINEATED BY SEWRPC (BASED ON HYDROLOGIC AND HYDRAULIC STUDIES CONDUCTED WITHIN COMPREHENSIVE WATERSHED PLANNING CONTEXT; 100- AND 10-YEAR RECURRENCE INTERVAL FLOOD STAGES ESTABLISHED)
- FLOODLANDS DELINEATED BY U.S. ARMY CORPS OF ENGINEERS (BASED ON HYDROLOGIC AND HYDRAULIC STUDIES; 100- AND 10-YEAR RECURRENCE INTERVAL FLOOD STAGES ESTABLISHED)
- FLOODLANDS DELINEATED BY U.S. GEOLOGICAL SURVEY (BASED EITHER ON SELECTED HISTORICAL FLOODS OR REGIONAL STAGE-FREQUENCY RELATIONSHIPS; 100-YEAR RECURRENCE INTERVAL FLOOD INUNDATION AREAS ESTABLISHED)
- FLOODLANDS DELINEATED BY U.S. SOIL CONSERVATION SERVICE IN COOPERATION WITH OZAUKEE COUNTY (BASED ON SOILS DATA)
- FLOODLANDS DELINEATED BY WALWORTH COUNTY (BASED ON SOILS DATA SUPPLEMENTED BY HYDROLOGIC AND HYDRAULIC STUDIES; 100-YEAR RECURRENCE INTERVAL FLOOD STAGES ESTABLISHED)
- FLOODLANDS DELINEATED BY U.S. SOIL CONSERVATION SERVICE IN COOPERATION WITH WASHINGTON COUNTY (BASED ON SOILS DATA)
- FLOODLANDS DELINEATED BY WAUKESHA COUNTY (BASED ON SOILS DATA)
- STREAM REACHES FOR WHICH LARGE-SCALE FLOOD HAZARD MAPS ARE AVAILABLE



FLOOD INSURANCE RATE STUDIES IN PROGRESS 1976



Stream Gaging Program

Stream flow data are essential for the rational management of the water resources of the Region. When the Commission began its regional planning program in 1960, only two continuous recorder stream gages were in operation on the entire regional stream network. Since that time, the Commission has been instrumental in establishing through cooperative, voluntary intergovernmental action, 14 additional continuous recorder stream gages in an effort to provide the basis for the establishment of long-term records of stream flow. The locations of these 16 gages are identified on the accompanying map. One new gage was established during 1976, and is located on the Kinnickinnick River in the City of Milwaukee. All of these gages are maintained under a contract by the Commission with the U. S. Geological Survey which publishes the data obtained.

AIR QUALITY PLANNING

Work continued during 1976 on the preparation of a regional air quality maintenance plan. This plan

is being prepared at the request of and in full cooperation with the Wisconsin Departments of Natural Resources and Transportation. The plan is intended to meet federal transportation planning requirements that air pollution problems be adequately considered in transportation planning in urban regions, and federal environmental planning requirements that areas either presently exceeding national ambient air quality standards or having the potential for exceeding such standards in the foreseeable future be identified and a plan prepared to achieve the air quality standards over an approximately 10-year planning period.

Air quality planning work efforts during 1976 were concentrated on calibrating and validating an atmospheric simulation model and on applying that model to the alternative land use and transportation plans previously described in this report. The modeling effort is being conducted by the University of Wisconsin-Madison, Department of Mechanical Engineering, under contract with the Commission. The results of the modeling effort in 1976 indicated that ambient air concentrations over the Region for all pollutants would be essentially of the same order of magnitude and of the same geographic extent under any combination of regional land use and transportation plans. Accordingly, it was concluded that while residual air quality problems would remain in any case, air quality concerns could not serve as a basis for selecting one land use-transportation plan combination over another.

During 1976 the Division staff also participated with the Wisconsin Department of Natural Resources and the U. S. Environmental Protection Agency in a working group composed of representatives of six midwestern states to examine the very difficult area of photochemical oxidant formation and transport. The six states involved in this effort are Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin. This working group met six times in 1976 to exchange information on the nature and extent of the oxidant problem, to establish a uniform basis for conducting hydrocarbon emissions inventories, and for evaluating the potential effectiveness of alternative control measures for reducing oxidant levels.

At year's end the Division staff had begun preparation of the final planning report documenting the results of the regional air quality maintenance planning program. In addition, the Division staff assisted in the preparation of draft materials to be included in the final planning report setting forth the new regional land use and transportation plans.

LOCATION OF U.S. GEOLOGICAL SURVEY STREAM GAGING STATIONS 1976

LEGEND

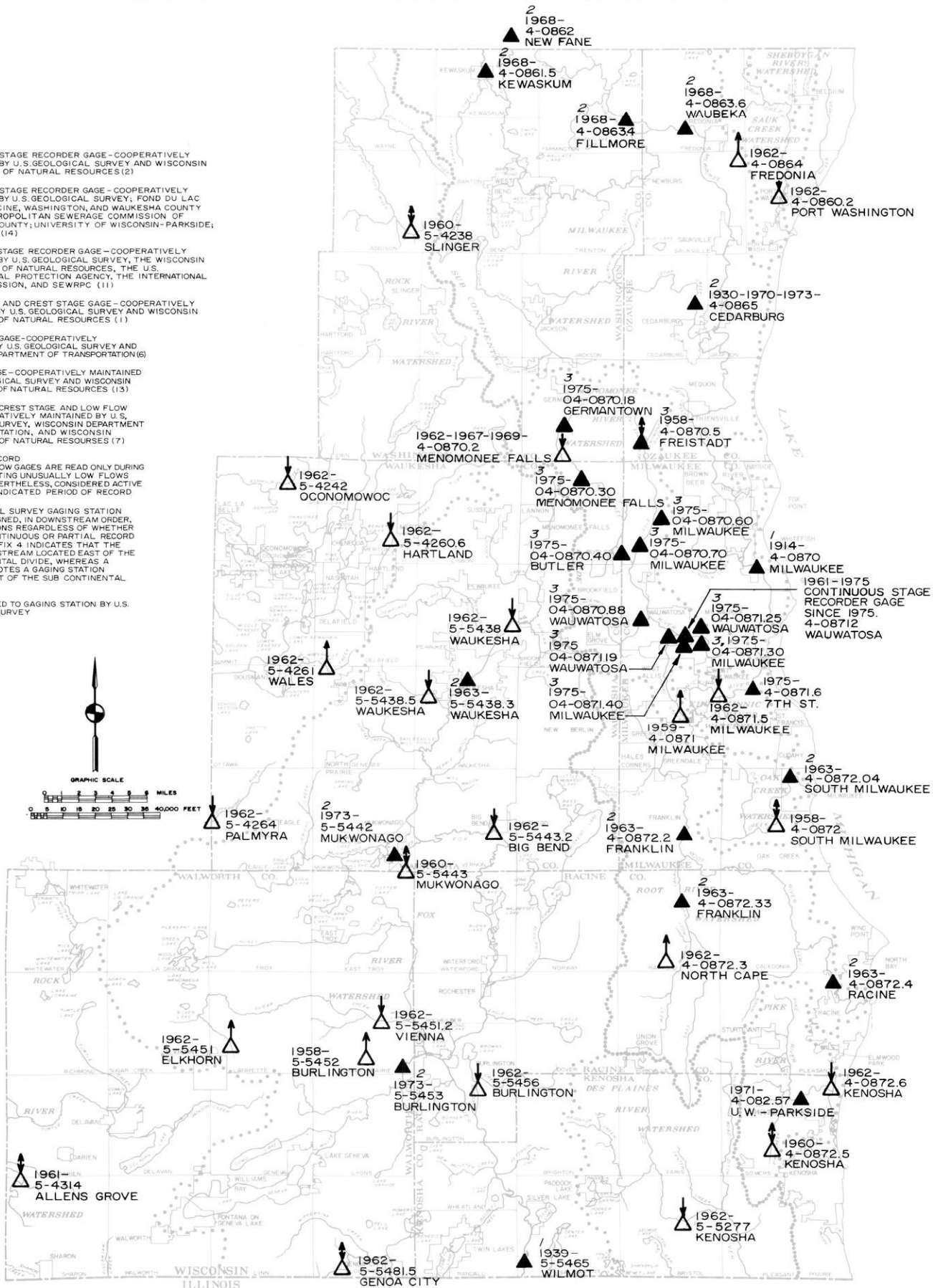
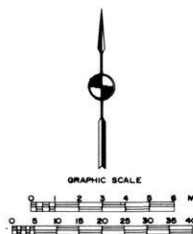
- 1 ▲ CONTINUOUS STAGE RECORDER GAGE - COOPERATIVELY MAINTAINED BY U.S. GEOLOGICAL SURVEY AND WISCONSIN DEPARTMENT OF NATURAL RESOURCES (2)
- 2 ▲ CONTINUOUS STAGE RECORDER GAGE - COOPERATIVELY MAINTAINED BY U.S. GEOLOGICAL SURVEY, FOND DU LAC, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA COUNTY BOARDS; METROPOLITAN SEWERAGE COMMISSION OF MILWAUKEE COUNTY; UNIVERSITY OF WISCONSIN-PARKSIDE; AND SEWRPC (14)
- 3 ▲ CONTINUOUS STAGE RECORDER GAGE - COOPERATIVELY MAINTAINED BY U.S. GEOLOGICAL SURVEY, THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES, THE U.S. ENVIRONMENTAL PROTECTION AGENCY, THE INTERNATIONAL JOINT COMMISSION, AND SEWRPC (11)
- ▲ WIRE WEIGHT AND CREST STAGE GAGE - COOPERATIVELY MAINTAINED BY U.S. GEOLOGICAL SURVEY AND WISCONSIN DEPARTMENT OF NATURAL RESOURCES (1)
- ▲ CREST STAGE GAGE - COOPERATIVELY MAINTAINED BY U.S. GEOLOGICAL SURVEY AND WISCONSIN DEPARTMENT OF TRANSPORTATION (6)
- ▲ LOW FLOW GAGE - COOPERATIVELY MAINTAINED BY U.S. GEOLOGICAL SURVEY AND WISCONSIN DEPARTMENT OF NATURAL RESOURCES (13)
- ▲ COMBINATION CREST STAGE AND LOW FLOW GAGE - COOPERATIVELY MAINTAINED BY U.S. GEOLOGICAL SURVEY, WISCONSIN DEPARTMENT OF TRANSPORTATION, AND WISCONSIN DEPARTMENT OF NATURAL RESOURCES (7)

1914 - PERIOD OF RECORD

NOTE: LOW FLOW GAGES ARE READ ONLY DURING YEARS EXHIBITING UNUSUALLY LOW FLOWS BUT ARE, NEVERTHELESS, CONSIDERED ACTIVE DURING THE INDICATED PERIOD OF RECORD

4-0870 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 PREFIX 4 INDICATES THAT THE GAGE IS ON A STREAM LOCATED EAST OF THE SUB CONTINENTAL DIVIDE, WHEREAS A PREFIX 5 DENOTES A GAGING STATION LOCATED WEST OF THE SUB CONTINENTAL DIVIDE

MILWAUKEE NAME ASSIGNED TO GAGING STATION BY U.S. GEOLOGICAL SURVEY



WATER SUPPLY PLANNING

Work was completed during 1976 on the development of a mathematical model to simulate the performance of the deep sandstone aquifer. The results of this study are documented in SEWRPC Technical Report No. 16, Digital Computer Model of the Sandstone Aquifer in Southeastern Wisconsin. The model provides a new tool to enable local water utilities to more carefully and intelligently manage the deep sandstone aquifer underlying the Region. The model was prepared by the U. S. Department of the Interior, Geological Survey, and the University of Wisconsin-Extension, Geological and Natural History Survey, under contract with the Commission and those local water utilities in the Region which rely predominantly on the aquifer as a source of supply. While the report does not constitute a water supply plan for the Region, it describes a useful tool which can ultimately be used in the preparation of such plan.

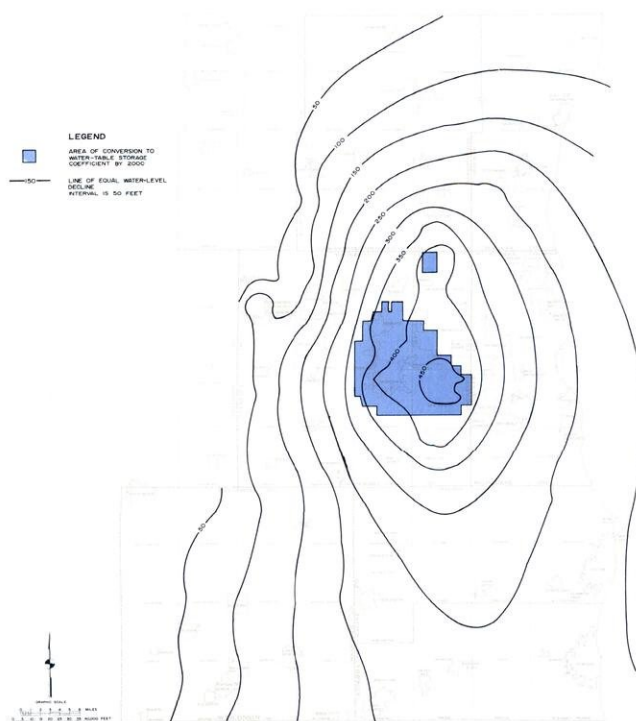
Application of the deep sandstone aquifer simulation model, assuming a simple extrapolation of historic trends in ground water pumpage, yielded the following summary results:

- Total drawdown over the 1974-1990 period in the deep sandstone aquifer may be expected to almost equal the total drawdown experienced from 1880 through 1973.
- The center of the drawdown cone will likely shift from Waukesha to New Berlin.
- Until about 1990 the natural recharge to the aquifer may be expected to be sufficient to support the anticipated pumpage without causing excessive dewatering of the aquifer. After 1990 the aquifer will be progressively dewatered as the pumpage rates continue to increase (see accompanying map). In the New Berlin area the rate of drawdown will decrease, but toward the recharge area it will be increased.
- The maximum drawdown, centered on New Berlin, is estimated at about 300 feet from 1974 through 1990 and about 450 feet from 1974 to 2000.

COASTAL MANAGEMENT PLANNING

During 1976 the Division staff continued to provide assistance to the Wisconsin Department of Administration in the conduct of the Wisconsin coastal management planning program. The program is being carried out by the State of Wisconsin pursuant to the Federal Coastal Zone Management Act of 1972. A series of special

PREDICTED DRAWDOWN IN THE SANDSTONE AQUIFER 1974-2000 AND AREA WHERE STORAGE-COEFFICIENT CONVERSION OCCURS



studies is being conducted to determine if existing state and local programs and authorities are adequate for the professional management, use, protection, and development of the Lake Michigan coastal area.

Under an agreement with the Wisconsin Department of Administration, the Commission has formed and staffed a Technical and Citizens Advisory Committee on Coastal Management in Southeastern Wisconsin. This 29-member committee represents a variety of interests, including local elected officials, port representatives, the University community, and recreational and environmental interest groups. The primary function of this committee is to review and comment on state coastal studies and reports as they are produced. During 1976 the committee met 10 times and provided review comments on a series of working papers dealing with coastal management program goals and guidelines, program funding, and shore erosion. In addition, the Division staff participated in public informational meetings held throughout 1976 in lakeshore communities in an attempt to determine the public perception of coastal management problems.

PLANNING RESEARCH DIVISION

DIVISION FUNCTIONS

The Commission's Planning Research Division is responsible for developing demographic, economic, and public financial resource data that serve as the basis for preparation of regional plans by other Commission divisions. Among the basic questions to which answers are sought are the following:

- How many people live and work in the Region? How are these levels of population and employment changing over time?
- Where in the Region do people live and work? How are these distribution patterns changing over time?
- What are the characteristics of those who live and work in the Region in such terms as age, sex, race, income, household size, and occupation? How are these characteristics changing over time?
- What is the structure of the Region's economy in terms of employment in major industry groups? How is this structure changing over time?
- What is the most probable future level of population and employment in the Region? Where will people live and work in the future?
- How much is being spent to provide public facilities and services? What are the sources

of this money? How are these patterns changing over time?

- Will there likely be sufficient public financial resources to carry out regional plan recommendations?

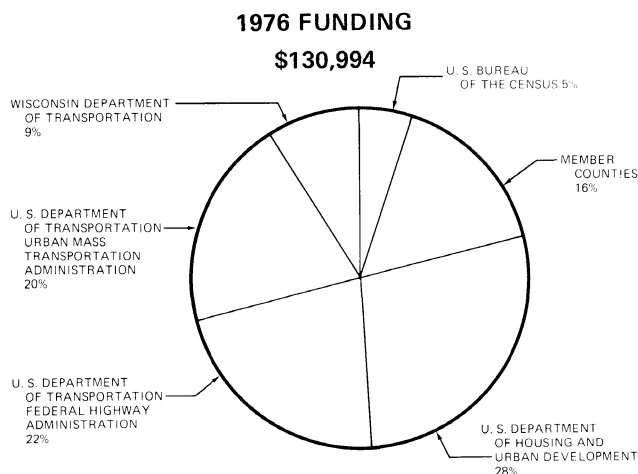
In an attempt to find sound answers to these and other questions, the Planning Research Division during 1976 conducted a number of activities in three identifiable areas: data collation and development, data provision and assistance, and census coordination.

DATA COLLATION AND DEVELOPMENT

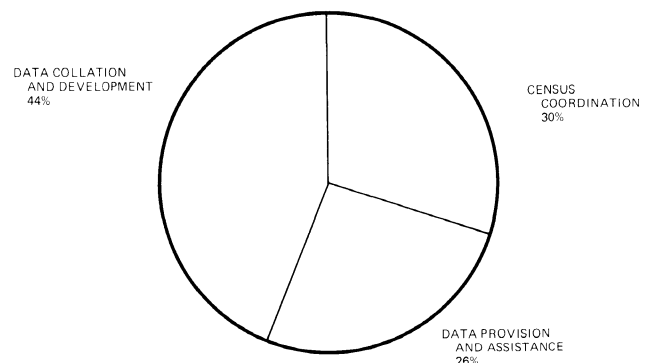
During 1976 the Division staff continued to monitor secondary data sources for changes in population, employment, and school enrollment levels. In addition, the Division staff provided significant support to the Land Use and Housing, Transportation, and Environmental Planning Division staffs in the conduct of major work programs by those division.

The population of the Region in 1976 is estimated at about 1.79 million persons. This estimate was made by the Wisconsin Department of Administration which has responsibility for preparing annual estimates of civil division populations used as a basis for distributing state shared taxes to local governments. The estimate is based on symptomatic indicators of population change, including the number of automobiles registered, the number of persons filing income tax returns, and the dollar

PLANNING RESEARCH DIVISION



DISTRIBUTION OF FUNDING TO WORK PROGRAMS



value of exemptions for dependents on those income tax returns. This estimate represents virtually no change in the regional level of population from the 1975 estimate, although, as shown in the accompanying table, the estimated distribution of population in the Region by county has significantly changed, continuing the trend first observed in the 1970 census. While regional population growth since 1970 has been moderate, with an average annual population increase of only about 6,100 persons, Ozaukee, Washington, and Waukesha Counties have continued to grow significantly. Kenosha, Racine, and Walworth Counties have grown during the period somewhat more moderately, and Milwaukee County is estimated to have lost about 5 percent of its population since 1970, representing about 55,000 people.

REGIONAL POPULATION

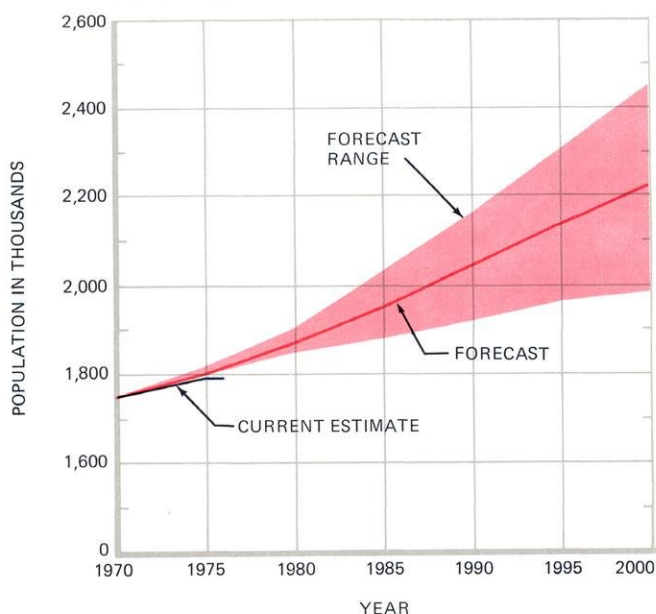
County	1970	1975	1976	Change 1970-1976	
				Number	Percent
Kenosha . . .	117,917	126,321	127,280	9,363	7.9
Milwaukee . .	1,054,249	1,019,535	998,902	-55,347	- 5.2
Ozaukee . . .	54,461	65,098	67,245	12,784	23.5
Racine	170,838	179,153	179,379	8,541	5.0
Walworth . . .	63,444	67,363	68,430	4,986	7.9
Washington . .	63,839	76,484	78,877	15,038	23.6
Waukesha . . .	231,335	261,853	272,588	41,253	17.8
Total	1,756,083	1,795,807	1,792,701	36,618	2.1

Based on the year 2000 population forecast previously prepared by the Division staff in 1974, the population level of the Region was anticipated to approximate about 1.82 million in 1976. The estimated level of 1.79 million is about 30,000 people, or about 1.5 percent, lower than the forecast figure. Variances between the estimated and forecast population levels by county are shown in the accompanying table.

COMPARISON OF FORECAST AND ESTIMATED REGIONAL POPULATION

County	1976 Population		Difference: Estimate Minus Forecast	
	Forecast	Estimate	Number	Percent
Kenosha	130,080	127,280	2,800	-2.2
Milwaukee . . .	1,025,540	998,902	-26,638	-2.6
Ozaukee	67,480	67,245	- 235	-0.3
Racine	179,040	179,379	339	0.2
Walworth	70,140	68,430	- 1,710	-2.4
Washington . . .	80,020	78,877	- 1,143	-1.4
Waukesha	268,220	272,588	4,368	1.6
Total	1,820,520	1,792,701	-27,819	-1.5

ESTIMATED AND FORECAST POPULATION SOUTHEASTERN WISCONSIN REGION



Employment in the Region was estimated at about 781,700 in 1976, representing an increase of about 2,700 jobs, or about 0.4 percent, over the 1975 level of 779,000. Unemployment in the Region during 1976 was estimated at 50,800 persons, representing a significant decrease of about 11,400 persons, or about 18 percent, from the 1975 level of about 62,200 persons. This decrease has occurred without a corresponding increase in the number of jobs. Accordingly, it may be concluded that the decrease in unemployment is due in part to individuals simply discontinuing to seek work or file for unemployment benefits.

On a county basis, as shown in the accompanying table, Kenosha County lost a significant number of jobs, about 5,300, from its 1975 job total. The Milwaukee County proportion of total regional jobs remained unchanged at about 66 percent indicating a pause in the previous downward trend from about 75 percent in 1960.

REGIONAL EMPLOYMENT

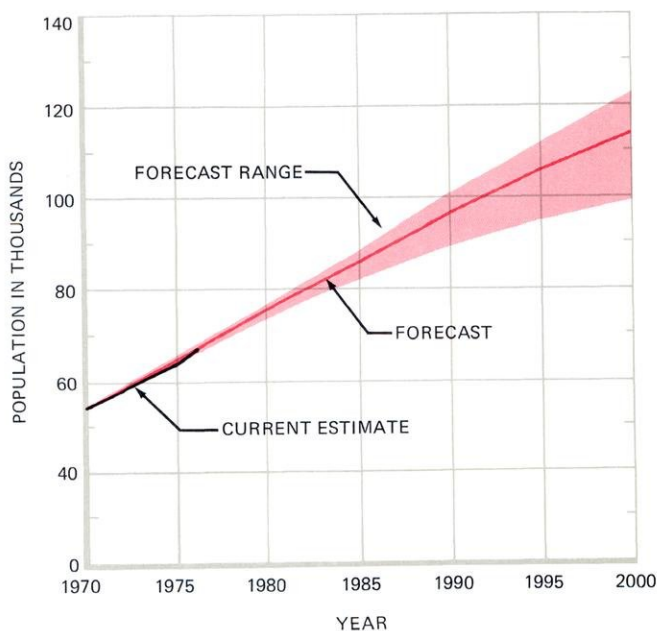
County	1970	1975	1976	Change: 1970-1976	
				Number	Percent
Kenosha	39,200	46,700	41,400	2,200	5.6
Milwaukee . . .	510,900	515,700	517,500	6,600	1.3
Ozaukee	17,900	20,200	21,900	4,000	22.3
Racine	61,900	68,600	67,200	5,300	8.6
Walworth	24,200	25,700	27,400	3,200	13.2
Washington . . .	20,300	22,600	22,700	2,400	11.8
Waukesha	67,200	79,500	83,600	16,400	24.4
Total	741,600	779,000	781,700	40,100	5.4

Based upon a regional employment forecast of about 1.02 million jobs in the year 2000, the employment level of the Region was anticipated to approximate about 796,500 jobs in 1976. As noted above, the estimated number of jobs in 1976 was 781,700, or nearly 15,000 jobs less than the forecast. This represents nearly a 2 percent difference. As shown in the accompanying table, most of the difference occurs in Milwaukee County where the current estimate is 10,000 jobs less than the forecast.

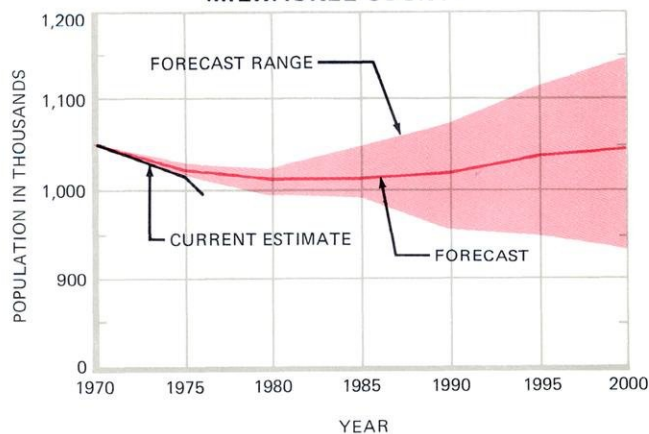
COMPARISON OF FORECAST AND ESTIMATED REGIONAL EMPLOYMENT

County	1976 Employment		Difference: Estimate Minus Forecast	
	Forecast	Estimate	Number	Percent
Kenosha	42,400	41,400	- 800	-1.9
Milwaukee . . .	527,500	517,500	-10,000	-1.9
Ozaukee	21,900	21,900	0	0.0
Racine	68,600	67,200	- 1,400	-2.0
Walworth . . .	27,600	27,400	- 200	-0.7
Washington . .	23,400	22,700	- 700	-3.0
Waukesha . . .	85,300	83,600	- 1,700	-2.0
Total	796,500	781,700	-14,800	-1.9

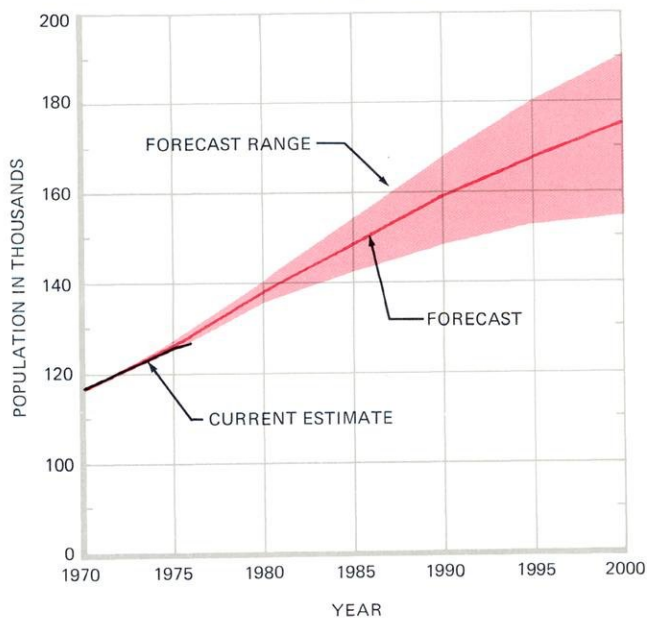
**ESTIMATED AND FORECAST POPULATION
OZAUKEE COUNTY**



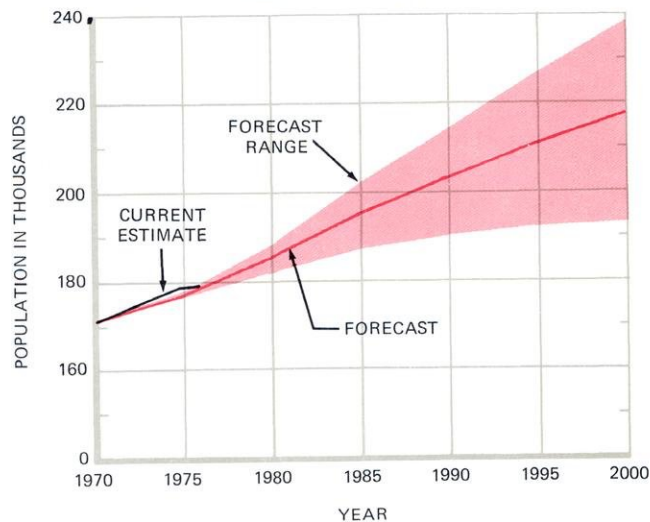
**ESTIMATED AND FORECAST POPULATION
MILWAUKEE COUNTY**



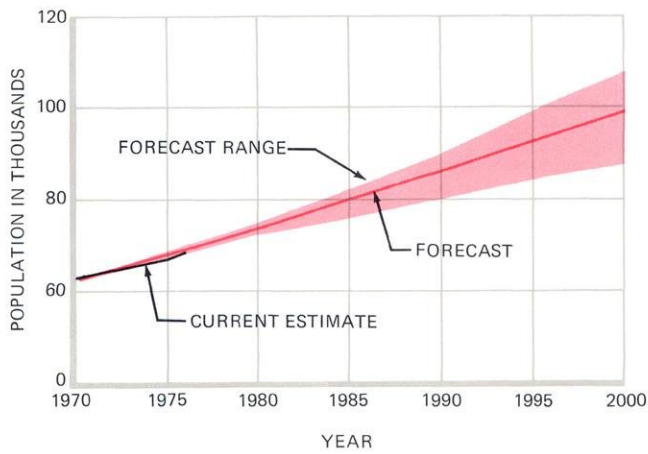
**ESTIMATED AND FORECAST POPULATION
KENOSHA COUNTY**



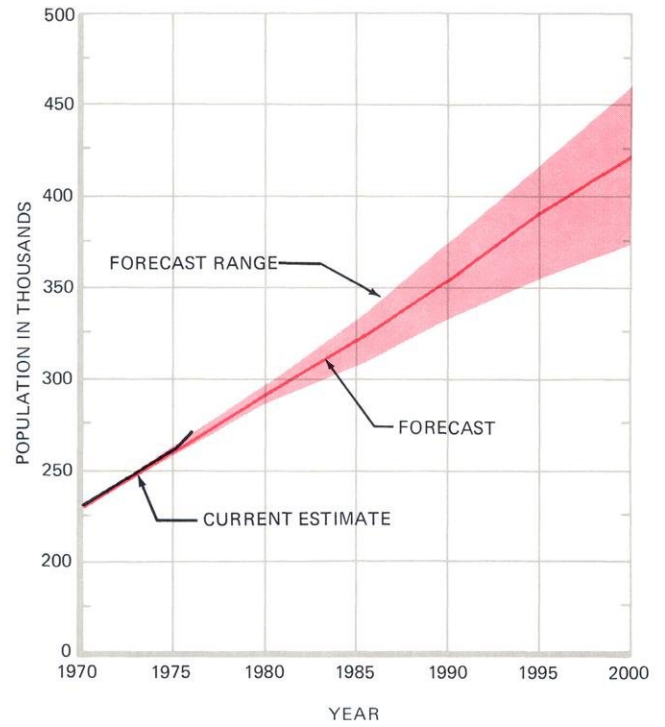
**ESTIMATED AND FORECAST POPULATION
RACINE COUNTY**



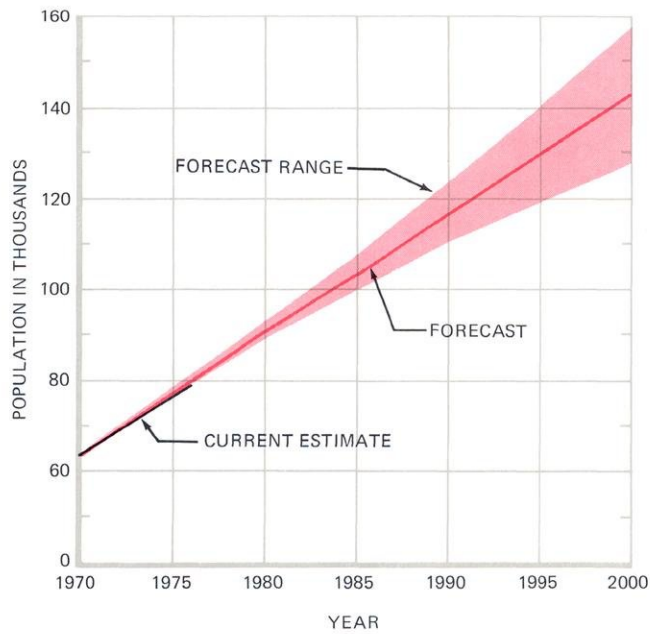
**ESTIMATED AND FORECAST POPULATION
WALWORTH COUNTY**



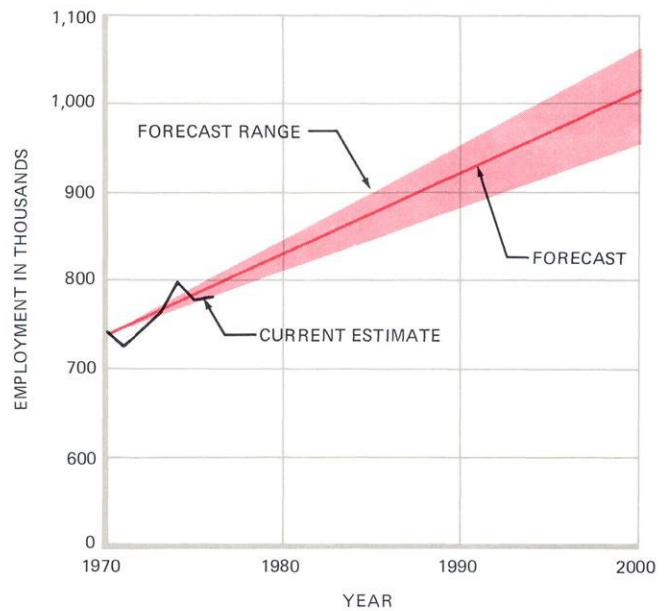
**ESTIMATED AND FORECAST POPULATION
WAUKESHA COUNTY**



**ESTIMATED AND FORECAST POPULATION
WASHINGTON COUNTY**



**ESTIMATED AND FORECAST EMPLOYMENT
SOUTHEASTERN WISCONSIN REGION**



Total school enrollment in the Region continued to decline during 1976 as shown in the accompanying table. The decline of about 9,500 students represents about a 2 percent decrease during the year. Public school enrollment declined by about 11,000 students during the year, or about 3 percent, while nonpublic school enrollment increased by about 1,500 students, or about 2 percent.

REGIONAL SCHOOL ENROLLMENT

County	1970	1975	1976	Change: 1970-1976		Change: 1975-1976	
				Number	Percent	Number	Percent
Kenosha	32,332	30,764	30,479	- 1,853	- 5.7	- 285	-0.9
Milwaukee . . .	267,929	229,737	220,958	-46,971	-17.5	-8,779	-3.8
Ozaukee	15,876	17,627	17,566	1,690	10.6	- 61	-0.4
Racine	48,597	46,049	45,226	- 3,371	- 6.9	- 823	-1.8
Walworth	15,570	15,510	15,477	- 93	- 0.6	- 33	-0.2
Washington . . .	19,169	22,267	22,463	3,294	17.2	196	0.9
Waukesha	73,077	74,388	74,665	1,588	2.2	277	0.4
Total	472,550	436,342	426,834	-45,716	- 9.7	-9,508	-2.2

The following represent examples of the types of data support provided by the Planning Research Division to other Commission divisions during 1976:

- Development of a quarter section file of 1970 group-quartered population for use in preparation of the new regional land use plan.
- Development of estimates of 1973 population levels by Commission Planning Analysis Areas for use in preparation of the regional park and open space plan.
- Preparation of a forecast of the future rural farm population for use in preparation of the regional land use plan.
- Preparation of civil division population estimates for selected years 1950 through 1975 for use in preparation of the Kinnickinnic River watershed plan.
- Preparation of forecasts of institutional and noninstitutional group-quartered population by traffic analysis zone for use in preparation of the new regional transportation plan.
- Preparation of forecasts of personal income by planning analysis area for use in preparation of the new regional transportation plan.

- Preparation of 1975 population estimates by quarter section for use in preparation of the areawide water quality management plan.

DATA PROVISION AND ASSISTANCE

Considerable Division staff time is directed each year at answering requests for demographic, economic, and public financial resource data. In addition, this function includes the provision of technical assistance to local units of government and school districts in the conduct of special censuses. The following summarizes Division staff activity during 1976 in performing this function:

- Preparation of letter responses to 225 requests for population, employment, public financial resources, and related data contained in the Commission's data bank. These requests come from local units of government; state and federal agencies, private firms, and individual citizens.
- Provision of technical assistance to the Southeastern Wisconsin Health Systems Agency, Inc., in the conduct of an attitudinal survey.
- Provision of technical assistance to the staff of the Medical College of Wisconsin concerning research techniques for assessing the incidence of cancer by geographic residence location and employment histories of patients.
- Provision of technical assistance to the staff of the Racine County Housing Authority in locating and interpreting demographic and economic housing data.
- Provision of technical assistance to the Milwaukee public school system in the development of career-oriented educational programs.
- Provision of technical assistance to the Waukesha Joint School District No. 1 in conducting its annual school census, including preparation of a list of all household addresses in the district, providing pre-printed school census forms, keypunching the collected data, editing and checking the data, and preparing summary reports as requested by school district personnel.

CENSUS COORDINATION

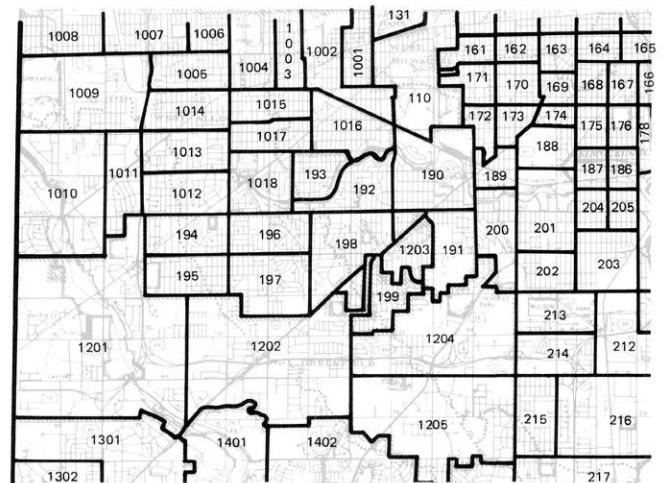
The Commission serves as the coordinating agency for the U. S. Bureau of the Census in the seven-county Southeastern Wisconsin Region. Under agreements between the Commission and the U. S. Bureau of the Census, the Commission provides staff services to county census statistical areas committees and provides technical services in the form of the preparation of base maps and the development of a geographic base file which is a computer readable description of the geographic coordinates of street intersections and address ranges in an area.

During 1976 considerable Division effort was expended in reviewing proposed census tract boundary changes in preparation for the 1980 census. The Division staff serves as the census key person for three of the seven regional counties—Ozaukee, Walworth, and Washington. In the remaining four counties, the Division staff serves on the Census Statistical Areas Committee. During 1976 meetings were held in all seven counties to discuss possible census tract boundary modifications. Tract revisions were proposed by each of the Committees to the Bureau of the Census. At the end of 1976 the tract modification proposals in Kenosha and Racine Counties had been approved by the Bureau of the Census.

Considerable effort was also expended during 1976 by the Division staff in continuing to update the Census metropolitan map series covering the Kenosha, Milwaukee, and Racine urbanized areas. In addition, the geographic base files were reviewed

and corrected and updated as necessary. The geographic base file permits the Bureau of the Census and the Commission to relate data collected by street addresses to the geographic area from which it was collected by machine data processing equipment. For example, if a hospital wanted to identify on a map the locations of its patients, it would be possible to read the addresses of the patients by machine and automatically provide a graphic display of patient residence locations. In a similar manner, lending institutions would be able to readily display the locations of all mortgage or other lending activity. The geographic base file thus eliminates the tedious and expensive job of locating address-related data by hand on maps.

TYPICAL CENSUS TRACT MAP



COMMUNITY ASSISTANCE PLANNING DIVISION

DIVISION FUNCTIONS

The Community Assistance Planning Division has primary responsibility for assisting local units of government in the Region in local planning efforts thereby promoting coordination of local and regional plans and plan implementation actions. The Division provides five basic types of services: educational, advisory, review, project planning, and resident planning. The Division staff also is responsible for the conduct, on request, of urban district planning programs.

EDUCATIONAL SERVICES

Educational services are provided by the Division staff to local units of government and citizen

groups on request and are directed at explaining the need for, and purposes of, continuing local, regional, and state planning programs, and the relationships which 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.

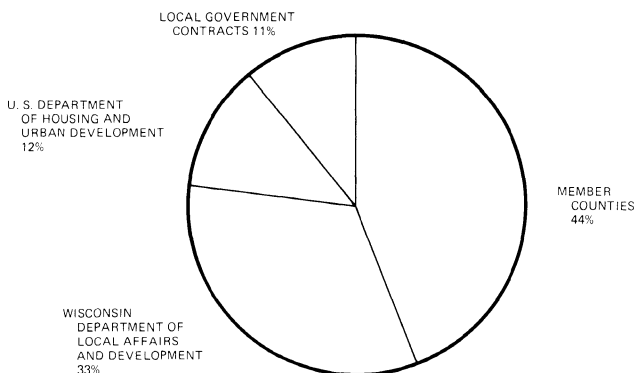
During 1976, educational efforts included the following:

- Presentations to and discussions with student groups at the University of Wisconsin-Milwaukee, the University of Wisconsin-Madison, the University of Wisconsin-Platteville, Marquette University, Gateway Technical Institute, Waukesha South High School, and Waukesha Northview Elementary School.
- Preparation of six Commission Newsletters discussing Commission planning programs and related activities. The newsletters are distributed to over 2,000 individuals, agencies, and local governments.
- Conduct of the Commission's 9th Regional Planning Conference in April 1976—attended by nearly 500 public officials and interested citizens—and the preparation and distribution of handout materials at the conference.
- Preparation and distribution to newspapers and radio and television stations of five news releases during the year pertaining to Commission work activities.
- Preparation and distribution of the 1975 Commission Annual Report.
- Numerous presentations to local governmental, civic, and professional groups, such as the Wisconsin Section of the American Society of Civil Engineers, the Friends of Havenswood, the Village of Pewaukee Chamber of Commerce, the Engineers and Scientists of Milwaukee, the Greater Milwaukee Committee, the Brookfield Rotary

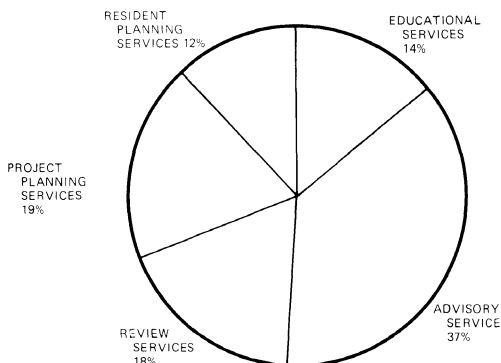
COMMUNITY ASSISTANCE PLANNING DIVISION

1976 FUNDING

\$189,206



DISTRIBUTION OF FUNDING TO WORK PROGRAMS



9TH REGIONAL PLANNING CONFERENCE MILWAUKEE COUNTY WORKSHOP



Club, the Wisconsin Association of Soil and Water Conservation Districts, the American Society of Real Estate Appraisers, and the American Automobile Association.

ADVISORY SERVICES

Advisory services consist of the provision of basic planning and engineering data available in the Commission files to local units of government and private interests and the provision on an ad hoc basis of technical planning assistance to local communities. Representative advisory services performed during 1976 include the following:

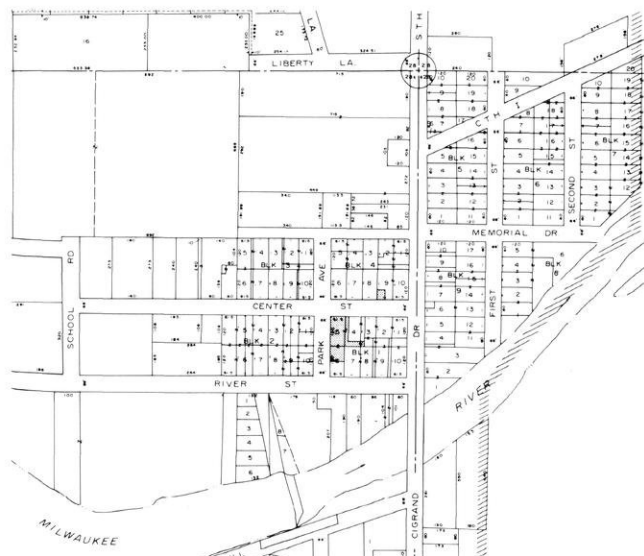
- Conduct of a special study for the Inter-governmental Cooperation Council in Milwaukee County relating to site selection for the deployment of proposed paramedic units in Milwaukee County. The results of this study were published in SEWRPC Community Assistance Planning Report No. 8, An Analysis of the Deployment of Paramedic Emergency Services in Milwaukee County.
- Preparation of contracts and specifications for large-scale topographic mapping and attendant control survey programs in the Cities of Kenosha, Muskego, and West Bend.
- Assistance in the preparation of applications by the City of Hartford and the Villages of Butler, Fredonia, and Silver Lake for federal community development grants.

- Provision of data for incorporation and consolidation studies being conducted in the Town of Vernon and the Village of Big Bend and by the Okauchee Lake community.
- Preparation of a town base map and a town zoning map for the Town of Eagle.
- Preparation of a base map for a proposed sanitary district in the Waubeka area of the Town of Fredonia.
- Preparation of proposed changes to zoning ordinance texts in the Cities of Hartford and New Berlin.
- Preparation of proposed changes to subdivision control ordinance texts in the Cities of Waukesha and Delavan.

REVIEW SERVICES

Review services are designed to encourage the incorporation of regional studies and plans into local planning programs, plans, and plan implementation devices, such as zoning and subdivision control ordinances. In addition, review services are designed to avoid duplication of planning efforts and to coordinate and encourage regional plan implementation. Three basic types of review services are performed, consisting of the review of local plans, plan implementation devices, and development proposals; review of federal and state grant applications under U. S. Office of Management and Budget Circular A-95; and flood hazard reviews of individual properties.

PORTION OF
WAUBEKA BASE MAP



The following represent typical review services completed in 1976 by the Division staff in the first review category:

- Review of and comment on 40 preliminary subdivision plats at the request of Kenosha and Walworth Counties; the Cities of Cedarburg, Delavan, Franklin, Hartford, Muskego, and West Bend; and the Villages of Germantown, Mukwonago, River Hills, and Sussex.
- Review of and comment on 12 proposed zoning district map changes at the request of Kenosha County and the Cities of Cedarburg, Franklin, and Hartford.
- Review of and comment on federal flood insurance studies prepared by the U. S. Department of Housing and Urban Development for the Cities of Glendale and Greenfield.
- Review of and comment on a proposal to dredge Lilly Lake in Kenosha County.
- Review of and comment on a land use plan prepared for the City of Delafield.
- Review of and comment on the relationship of hospital expansion programs in the Cities of Milwaukee, Racine, and Waukesha to the adopted regional plans.
- Review of and comment on proposed floodland boundary adjustments in Racine County, the Cities of Burlington and Mequon, and the Village of Saukville.
- Review of and comment on six environmental impact statements, including three transportation system development projects, two electric power generation projects, and one grant program for water pollution abatement. Comments are provided by the Commission relating the projects and the data contained in the environmental impact statements to the adopted regional plans.

The Division activities regarding review of federal and state grant applications are summarized in the accompanying table. In total, review comments were provided for 452 applications for federal and/or state grants, loans, or mortgage insurance guarantees requesting in the aggregate over \$241 million in federal financial assistance. Of the total 452 requests, 154 were found to be in conform-

ance with and serving to implement the adopted regional plan elements, 297 were found to be not in conflict with the adopted regional plan elements, and one—a proposed sewer extension in the Town of Pleasant Prairie—was found to conflict with the adopted regional plan elements.

A-95 REVIEWS—1976

Review Category	Number of Reviews	Aggregate Amount of Federal and/or State Grant, Loan, or Mortgage Insurance Requests
Air Quality	2	\$ 6,329,452
Community Action . . .	69	29,230,143
Community Development	54	32,969,666
Community Facilities . .	40	29,871,836
Conservation	4	968,800
Historic Preservation . .	2	330,918
Housing	67	68,265,388
Park and Open Space . .	22	1,146,180
Law Enforcement	84	7,701,485
Sanitary Sewerage	55	14,532,256
Solid Waste	1	1,224,555
Storm Sewerage	5	1,513,460
Transportation	41	44,024,865
Water Supply	6	3,143,515
Total	452	\$241,252,519

Flood hazard reviews relating to residential properties are requested by realtors and lending institutions. During 1976 the Division staff conducted a total of 861 flood hazards reviews distributed by county as shown in the accompanying table.

FLOOD HAZARD REVIEWS—1976

County	Number of Reviews
Kenosha	12
Milwaukee	505
Ozaukee	19
Racine	62
Walworth	9
Washington	26
Waukesha	228
Total	861

PROJECT PLANNING SERVICES

Project planning services involve the conduct for local member units of government at their cost of detailed planning studies resulting in the preparation of local plans and plan implementation devices. During 1976 the following project planning efforts were completed:

- Completion of 144 zoning maps for the Walworth County Park and Planning Commission.
- Completion of draft reports setting forth land use plans for the Village of Jackson and the Towns of Genesee and Erin.
- Completion of draft reports setting forth neighborhood unit development plans for the Whittier Neighborhood in the City of Kenosha and the Town of Pleasant Prairie and the Jefferson Park Neighborhood in the Village of Germantown.
- Completion of draft zoning ordinance texts and maps for the Villages of Butler, Newburg, and Sussex.

RESIDENT PLANNING SERVICES

The Commission provides part-time resident staff assistance on request to local units of government. This type of assistance involves a commitment by the Commission staff to attend all local plan commission meetings and to provide such local planning recommendations as may be requested from time to time. The Commission views such assistance as an interim step to the eventual attainment of local full-time planning staffs.

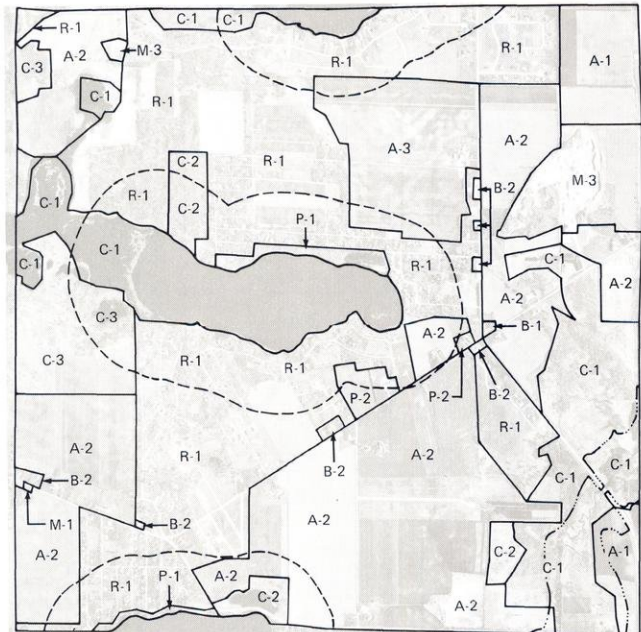
During 1976 resident staff planning assistance was provided on a contractual basis to the Cities of Cedarburg, Delavan, Franklin, and Hartford and the Villages of Germantown and Sussex. Collectively, these services required Division staff attendance at and participation in a total of 56 plan commission meetings.

DISTRICT PLANNING SERVICES

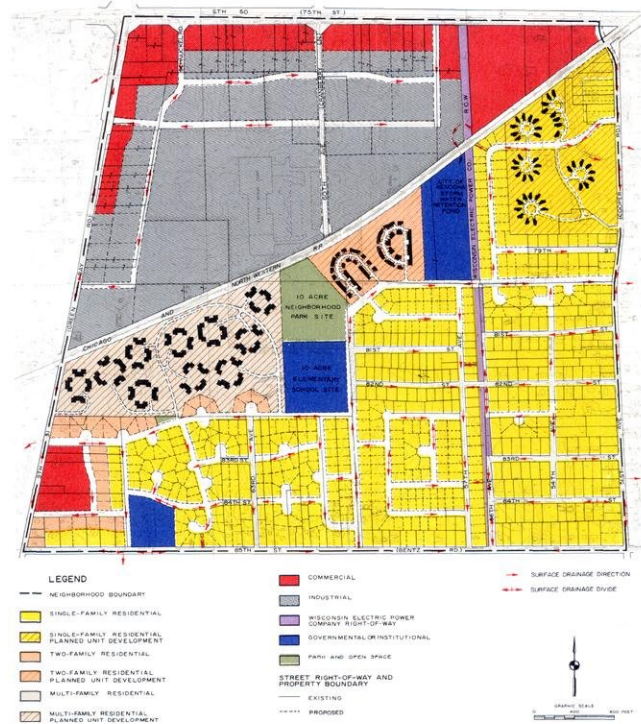
The Commission has encouraged the creation of subregional districts to conduct comprehensive community planning programs. In past years, such programs were completed for two urban development-oriented districts—the Kenosha Planning District, consisting of the City of Kenosha and the Towns of Pleasant Prairie and Somers, and the Racine Urban Planning District, consisting of the City of Racine, the Villages of Elmwood Park,

North Bay, Sturtevant, and Wind Point, and the Towns of Caledonia and Mt. Pleasant. Comprehensive community development plans for these districts have been formally adopted by the Commission. During 1976 no formal district planning efforts were carried out, although the Commission staff did discuss with local officials the possible establishment of district programs in the Cedarburg-Grafton and Oconomowoc areas of the Region.

TYPICAL WALWORTH COUNTY ZONING MAP



WHITTIER NEIGHBORHOOD PLAN - CITY OF KENOSHA AND TOWN OF PLEASANT PRAIRIE



CARTOGRAPHIC AND GRAPHIC ARTS DIVISION

DIVISION FUNCTIONS

The Commission's Cartographic and Graphic Arts Division provides basic services to the other Commission divisions in a number of 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 purchased and used by other units of government and 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 decade and mid-decade census years. The Division also provides all necessary inhouse 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 private interests.

The Division also serves as a regional coordinating center for the conduct of large-scale topographic and cadastral mapping efforts and the collation of horizontal and vertical survey control data. This function includes the preparation on request of contracts and specifications for large-scale mapping efforts by local units of government. Finally, a major Division function involves final report production, including typing, proofreading, illustration preparation, offset printing, and binding.

BASE MAPPING

During 1976, the Division staff updated the Commission base map series using aerial photography obtained in May 1975. All county planning base maps in the 1" = 2000' scale series were updated, using the new aerial photographs, Wisconsin Department of Transportation state aid mileage summary maps, Commission public park site inventory maps, and county and local planning and engineering base maps. The updating effort included the making of changes in civil division corporate limit lines to reflect recent annexations and incorporations, changes in major public land holding boundary lines, the mapping of newly developed or extended street patterns, and the mapping of any significant changes in shorelines of streams and lakes. Upon completion of this updating effort, photographic reductions were made to provide updated versions of the 1" = 4000' scale, 1" = 8,000' scale, and 1" = 2 miles scale base map series.

TOPOGRAPHIC MAPPING AND SURVEY CONTROL

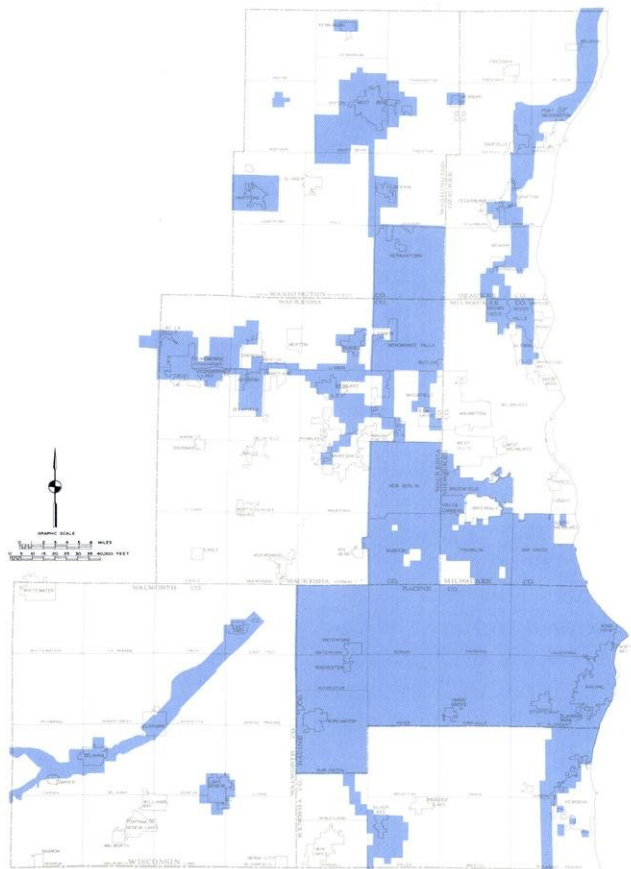
The Commission prepares and encourages local units of government in the Region to prepare 1" = 200' scale, 2' contour interval topographic maps based on a Commission-recommended monumented control survey network, relating the U. S. Public Land Survey System to the State Plane Coordinate System. All of the horizontal and vertical control survey data obtained as a part of these mapping efforts are compiled by the Division staff. The Commission thus serves as a center for the collection, collation, and coordination of such data throughout the Region.

During 1976 new large-scale topographic maps were prepared by the Commission under the Section 208 water quality management planning program for nearly 54 square miles, and related control survey work was completed for 282 U. S. Public Land Survey section and quarter section corners. This work was completed in the Camp Lake area in Kenosha County; the Newburg area in Ozaukee and Washington Counties; the Cedar Lakes area in Washington County; and the Lac LaBelle, Nagawicka Lake, Oconomowoc Lake, Okauchee Lake, North Lake, and Town of Pewaukee areas in Waukesha County. Local units of government in 1976 prepared such new large-scale topographic maps for nearly 86 square miles and relocated, monumented, and placed on the State Plane Coordinate System 240 additional U. S. Public Land Survey corners. These mapping programs were conducted by Racine and Waukesha Counties; the Cities of Greenfield, Kenosha, and West Bend; and the Villages of Jackson, Pewaukee, and Sussex. The Division staff assisted in the preparation of contracts and specifications for many of these programs.

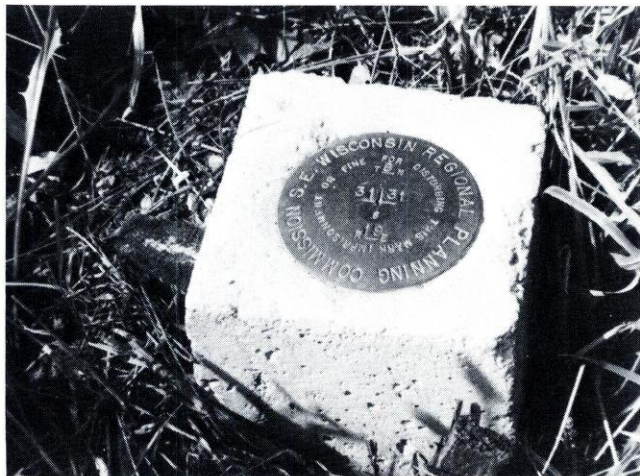
The accompanying map shows those areas of the Region for which large-scale topographic maps prepared to Commission-recommended standards are now available. This area totals about 853 square miles, or 32 percent of the Region. A total of 4,686 U. S. Public Land Survey corners in the Region have been relocated, monumented, and coordinated representing nearly 40 percent of all such corners in the Region. The utility of the control survey data developed and collated by the Commission is indicated by the fact that the Com-

mission received nearly 300 inquiries for such data during 1976.

COVERAGE OF LARGE-SCALE TOPOGRAPHICAL MAPS AND CONTROL SURVEYS PREPARED TO SEWRPC STANDARDS



TYPICAL SEWRPC MONUMENT



REPRODUCTION SERVICES

In addition to serving all other Commission divisions through inhouse reproduction of draft reports and letters, the Division provided reproduction services for local units of government and private interests. About 9,600 prints of aerial photographs of portions of the Region were reproduced, along with nearly 400 soil map prints and about 2,000 prints of maps in the Commission base map series. Air photographs were purchased primarily by other local units of government, utilities, realtors, retail businesses, and service and manufacturing companies. Soil photo prints and base maps were purchased primarily by realtors, utilities, surveyors, engineers, and individual property owners.

FINAL REPORT PRODUCTION

During 1976 the Division had primary responsibility for final report production for the following Commission publications:

PROSPECTUSES

- Overall Work Program of the Southeastern Wisconsin Regional Planning Commission (1977-1981). October 15, 1976, 304 pages

PLANNING REPORTS

- No. 26, A Comprehensive Plan for the Menomonee River Watershed

Volume One, Inventory Findings and Forecasts, October 1976, 481 pages

Volume Two, Alternative Plans and Recommended Plan, October 1976, 429 pages

ANNUAL REPORTS

- 1975 Annual Report, June 1976, 178 pages

TECHNICAL REPORTS

- No. 15, Household Response to Motor Fuel Shortages and Higher Prices in Southeastern Wisconsin, August 1976, 34 pages
- No. 16, Digital Computer Model of the Sandstone Aquifer in Southeastern Wisconsin, April 1976, 46 pages

COMMUNITY ASSISTANCE PLANNING REPORTS

- No. 7, Kenosha Area Transit Development Program: 1976-1980, March 1976, 88 pages
- No. 8, Analysis of the Deployment of Paramedic Emergency Medical Services in Milwaukee County, April 1976, 11 pages
- No. 9, Floodland Information Report for the Pewaukee River, Village of Pewaukee, Waukesha County, Wisconsin October 1976, 43 pages

TECHNICAL RECORDS

- Volume 3, No. 6, April 1976, 79 pages

PUBLIC HEARING PROCEEDINGS

- Minutes of Informational Meetings, Alternative Regional Land Use—Transportation Plans for Southeastern Wisconsin—2000, June 8, 1976—July 26, 1976, 336 pages
- Minutes of Informational Meetings and Public Hearing, Comprehensive Plan for the Menomonee River Watershed, September 8, 1976—October 7, 1976, 197 pages

CONFERENCE PROCEEDINGS

- 9th Regional Planning Conference April 14, 1976, 190 pages

NEWSLETTERS

- Volume 16, Nos. 1-6

DATA PROCESSING AND SYSTEMS ENGINEERING DIVISION

DIVISION FUNCTIONS

The Commission Data Processing and Systems Engineering Division provides basic support to all other Commission divisions. The Division is responsible for maintaining a regional planning bank that has been built up over the years. The Division is responsible for processing requests for retrieval of these data, with such requests coming not only internally from other divisions but externally from local units of government, state and federal agencies, and private interests. The Division also provides support to other Commission divisions in the developing and application of simulation models. Finally, the Division provides special data processing services to member local units of government.

REGIONAL PLANNING DATA BANK

The Division maintains a master file of regional planning information on over 5,000 reels of magnetic tape. This permits the efficient filing, conversion, and retrieval of planning and engineering data essential for the conduct of areawide comprehensive planning. The file is based primarily on the U. S. Public Land Survey quarter section as the unit of geographic reference. The file is organized to permit ready retrieval of data for various geographic units, such as civil divisions, census tracts, traffic analysis zones, special planning analysis areas, and watersheds.

Throughout 1976 the Commission used an IBM System 370 Model 135 as its primary computer system for manipulation of the data bank files. This system has 512,000 bytes of main storage, and has attached to it six magnetic tape drives, an 1,100 line per minute printer, and four magnetic disk drives that provide for 280 million characters of "on-line" data storage. Two IBM 3742 data stations are maintained for entering data into the main computer using magnetic diskettes.

During 1976 about 450 requests for data retrieval were processed. These requests resulted in the preparation of over 1,500 data reports for use in the Commission's planning work and other public and private planning efforts.

SYSTEMS ENGINEERING

The Division provides support to other Commission divisions in systems analysis and engineering, particularly in the development and application of simulation models. Commission simulation modeling efforts at the present time are centered in the Transportation Planning and Environmental Planning Divisions, and personnel from these divisions work closely with personnel in the Data Processing and Systems Engineering Division.

Transportation-related simulation models currently being used by the Commission include the U. S. Department of Transportation, Federal Highway Administration, battery of highway system simulation models; the U. S. Department of Transportation, Urban Mass Transportation Administration, battery of transit system simulation models; and a series of models developed over the years by the SEWRPC staff, including trip generation and modal split models and an air quality emission model. In the water resources planning field, the Commission uses a water surface profile model developed by the U. S. Army Corps of Engineers; a hydrologic, hydraulic, and water quality simulation model developed by Hydrocomp, Inc.; and a flood economics model developed by the Commission staff. During 1976 all of these models were extensively used as part of plan design work conducted by the Transportation Planning Division under the major effort to prepare a new regional transportation plan and by the Environmental Planning Division under the Menomonee River and Kinnickinnic River watershed studies and the Section 108 water quality management planning program.

DATA PROCESSING SERVICES TO LOCAL GOVERNMENTS

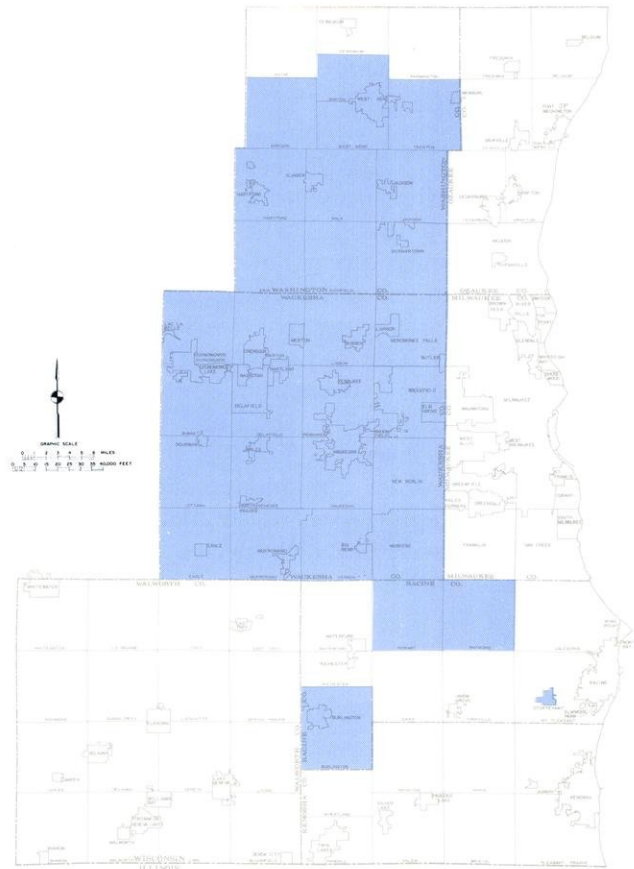
Since its inception, the Commission has offered to its member units of government special services that involve professional advice on the selection of computer systems and the provision of special data processing services. The Division staff has developed a data processing package that provides communities with property tax assessment rolls and tax bills. By the end of 1976, these property tax-related data processing services were being pro-

vided at cost to 56 communities in the Region as shown on the accompanying map.

Another service package developed by the Division staff involves payroll processing. During 1976 this payroll package was used by 15 school districts in the Region, one county, one city, and one village.

Other special data processing services provided in 1976 included the maintenance of voter lists for seven local units of government, the processing of school census data for three school districts, and the processing of welfare checks for two counties.

LOCAL COMMUNITIES USING SEWRPC FOR PROPERTY TAX DATA PROCESSING



ADMINISTRATIVE SERVICES DIVISION

DIVISION FUNCTIONS

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

FINANCIAL MANAGEMENT

One of the important responsibilities of the Division is financial management. During 1976 work continued on the conversion of the Commission's accounting system from a manual system to an automated data processing system as previously recommended by the Commission's auditor. During the year monthly financial management reports were prepared for the Commission's Administrative Committee. These reports were utilized by that Committee as a basis for ensuring that Commission expenditures are maintained within budgetary limits. In addition, the Division assists in the preparation of a treasurer's report each quarter for presentation to the full Commission and annually prepares the Commission budget. The Division also is responsible for ensuring that financial institutions controlled by members of minority groups receive a fair share of Commission business.

PERSONNEL MANAGEMENT

During 1976 the Division staff prepared an affirmative action plan for the hiring and promoting of minority individuals as required by federal and

state agencies. Recruitment efforts for new employees were accomplished in accordance with this plan. In addition, the Division prepared an updated set of personnel regulations.

GRANT-IN-AID PROCUREMENT

A major Division function involves the preparation of reports and applications for the federal and state grants-in-aid that fund a large proportion of the Commission's work program. The Division is responsible for annually preparing an overall work program which serves as the primary vehicle for securing federal and state grants-in-aid. Supplemental applications were prepared as required, including those necessary to obtain funds from the U. S. Department of Transportation, Urban Mass Transportation Administration, and the U. S. Department of Housing and Urban Development. The Division also is responsible for preparing all necessary reports to federal and state funding agencies, including both narrative reports on the substantive progress of the work programs and financial management reports. Also included under this function are work efforts necessary to secure federal grants that "pass through" the Commission to other agencies, particularly including transit planning funds used by Milwaukee County.

SALE AND DISTRIBUTION OF PUBLICATIONS

During 1976 the Division distributed a total of 5,045 copies of Commission reports. These included 343 prospectuses, 143 study designs, 1,104 planning reports, 19 planning guides, 782 technical reports, 541 community assistance planning reports, 394 technical records, 107 lake use reports, 744 annual reports, 657 conference proceedings, and 211 community profiles.

APPENDICES

Appendix A

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION COMMISSIONERS AND COMMITTEES 1977

COMMISSIONERS

Term Expires

KENOSHA COUNTY

Donald L. Klapper 1982
Donald E. Mayew 1980
*Francis J. Pitts,
Vice-Chairman 1980

MILWAUKEE COUNTY

Richard W. Cutler,
Secretary 1978
Evelyn L. Petshek 1980
*Harout O. Sanasarian 1978

OZAUKEE COUNTY

Thomas H. Buestrin 1982
*John P. Dries 1978
James F. Egan 1978

RACINE COUNTY

George C. Berteau,
Chairman 1980
*John Margis, Jr. 1978
Leonard C. Rauen 1976

WALWORTH COUNTY

Anthony F. Balestrieri 1982
Eugene A. Hollister 1978
*Harold H. Kolb 1982

WASHINGTON COUNTY

Lawrence W. Hillman 1976
Paul F. Quick 1980
*Joseph A. Schmitz,
Treasurer 1978

WAUKESHA COUNTY

Charles J. Davis 1980
*Robert F. Hamilton 1982
Lyle L. Link 1980

*County-Board-Appointed Commissioners

COMMITTEES

EXECUTIVE COMMITTEE

George C. Berteau, Chairman
Francis J. Pitts, Vice Chairman
Richard W. Cutler
Charles J. Davis
John P. Dries
Lawrence W. Hillman
Donald L. Klapper
Harold H. Kolb
John Margis, Jr.
Harout O. Sanasarian
Joseph A. Schmitz

ADMINISTRATIVE COMMITTEE

Donald L. Klapper, Chairman
Lyle L. Link, Vice-Chairman
George C. Berteau
Eugene A. Hollister
Francis J. Pitts
Leonard C. Rauen
Joseph A. Schmitz

INTERGOVERNMENTAL AND PUBLIC RELATIONS COMMITTEE

John Margis, Jr., Chairman
Harold H. Kolb, Vice-Chairman
George C. Berteau
John P. Dries
Robert F. Hamilton
Francis J. Pitts
Harout O. Sanasarian
Joseph A. Schmitz

PLANNING AND RESEARCH COMMITTEE

Lawrence W. Hillman, Chairman
Anthony F. Balestrieri, Vice-Chairman
George C. Berteau
Thomas H. Buestrin
Charles J. Davis
James F. Egan
Eugene A. Hollister
Lyle L. Link
John Margis, Jr.
Donald E. Mayew
Evelyn L. Petshek
Paul F. Quick

Appendix B

COMMISSION ADVISORY COMMITTEES

TECHNICAL COORDINATING AND ADVISORY COMMITTEE ON REGIONAL LAND USE-TRANSPORTATION PLANNING

The Technical Coordinating and Advisory Committee on Regional Land Use-Transportation Planning is divided into several functional subcommittees. Members of the Committee often serve on more than one subcommittee. The following key identifies the various functional subcommittees: 1) Land Use Subcommittee; 2) Highway Subcommittee; 3) Socioeconomic Subcommittee; 4) Natural and Recreation-Related Resources Subcommittee; 5) Transit Subcommittee; 6) Utilities Subcommittee; 7) Traffic Studies, Models, and Operations Subcommittee.

Stanley E. Altenbern (5)	President, Wisconsin Coach Lines, Inc., Waukesha	George Gundersen (2,4)	Chief of Statewide Planning Section, Division of Planning, Wisconsin Department of Transportation
Anthony S. Bareta (3)	Director, Milwaukee County Planning Commission	Douglas F. Haist (3,5)	Deputy Administrator, Division of Planning, Wisconsin Department of Transportation
John M. Bennett (1,4)	City Engineer, City of Franklin	Roger A. Harris (1,2,6)	Director of Public Works, City of New Berlin
Robert P. Birchler (2)	City Engineer, City of Burlington	Chester J. Harrison (5)	Town Engineer, Town of Caledonia
Robert J. Borchardt (3,6)	Chief Engineer and General Manager, Milwaukee-Metropolitan Sewerage Commissions	John M. Hartz (5)	Chief, Urban Transit Assistance Section, Division of Planning, Wisconsin Department of Transportation
Stephen M. Born (1)	Director, State Planning Office, Wisconsin Department of Administration, Madison	Frank M. Hedgcock (7)	City Planner, City of Waukesha
Richard Brandt (1)	Manager, Markets and Sales Program, Wisconsin Gas Company, Milwaukee	Sebastian J. Helfer (3)	Director, Campus Planning and Construction, Marquette University, Milwaukee
Robert W. Brannan (2,5,7)	Deputy Director, Department of Public Works, Milwaukee County	Fred J. Hempel (2,5,7)	Planning and Research Engineer, Federal Highway Administration, Madison
Donald M. Cammack (7)	Chief Planning Engineer, Division of Aeronautics, Wisconsin Department of Transportation	John O. Hibbs (2,5,7)	Division Engineer, U. S. Department of Transportation, Federal Highway Administration, Madison
Nicholas D. Carso	Acting Chief Planner, Urban Mass Transportation Administration, U. S. Department of Transportation, Chicago	G. F. Hill (3)	City Manager, City of Whitewater
Frederick H. Chlupp (1,4)	Land Use and Park Administrator, Washington County	Bill R. Hippenmeyer	Director of Planning, City of Oak Creek
Thomas R. Clark (2,5,7)	Chief Planning Engineer, District 2, Division of Highways, Wisconsin Department of Transportation	Lester O. Hoganson (2,6)	City Engineer, City of Racine
Arnold L. Clement (1,2)	Planning Director and Zoning Administrator, Racine County	Donald K. Holland (2,6)	Director of Public Works, City of Kenosha
Lucien M. Darin (2)	Director of Public Works, City of Hartford	Karl B. Holzwarth (2,4)	Park Director, Racine County
Vencil F. Demshar (2)	County Highway Commissioner, Waukesha County	Maurice J. Hovland (4)	County Agricultural Agent, Washington County
Russell A. Dimick (2)	City Engineer, City of Cedarburg	Robert F. Hutter (2)	Director of Public Works, Village of Sussex
Arthur D. Doll (1)	Director, Bureau of Planning, Wisconsin Department of Natural Resources	Stanley Ihlenfeldt (1,4)	County Agri-Business Agent, Walworth County
William E. Dow	District Manager, Network Planning, Wisconsin Telephone Company	Paul G. Jaeger (1,2,4)	County Agricultural Agent, Kenosha County
William R. Drew (1,2,3,4,5,6,7)	Commissioner, Department of City Development, Milwaukee	George A. James (1,2)	Director, Bureau of Local and Regional Planning, Wisconsin Department of Local Affairs and Development, Madison
Raymond T. Dwyer (6)	City Engineer, City of Greenfield	Edward A. Jenkins (5)	Transportation Director, City of Kenosha
James E. Foley (7)	Airport Engineer, Department of Public Works Milwaukee County	James A. Johnson (1)	County Planner, Walworth County
John M. Fredrickson (1)	Village Manager, Village of River Hills	Dr. Leonard C. Johnson (4)	Soil and Water Conservation Specialist, Board of Soil and Water Conservation, State of Wisconsin
John W. Fuller (3)	Chief, Policy and Goal Analysis Section, Wisconsin Department of Transportation	Roger A. Johnson (1)	City Planner, City of New Berlin
Thomas J. Gaffney (2)	Traffic Engineer, City of Kenosha	Paul Juhnke (3)	Manager, Urban Research and Development, Metropolitan Milwaukee Association of Commerce
Arne L. Gausmann (1,2)	Director, Bureau of Systems Planning, Division of Planning, Wisconsin Department of Transportation	Russell E. Julian (3)	Executive Director, Southeastern Wisconsin Health Systems Agency, Inc., Milwaukee
Norman N. Gill (1,3)	Executive Director, Citizens Governmental Research Bureau, Milwaukee	John E. Kane (1,3)	Director, Milwaukee Area Office, U. S. Department of Housing and Urban Development
Herbert A. Goetsch (2,4,6)	Commissioner of Public Works, City of Milwaukee	Richard A. Keyes (2)	Environmental Engineer, Milwaukee County Department of Public Works

**TECHNICAL COORDINATING AND ADVISORY COMMITTEE
ON REGIONAL LAND USE-TRANSPORTATION PLANNING
(Continued)**

Thomas R. Kinsey (2) District Engineer,
District 2, Division of Highways,
Wisconsin Department of Transportation

David L. Kluge (6) Director of Public Works,
Village of Pewaukee

Douglas C. Knox (4) Soil Conservationist,
U. S. Conservation Service

Robert F. Kolstad (1,2,4,5) Director of Community Development,
City of Kenosha

Thomas A. Kroehn (1) District Director, Southeast District,
Wisconsin Department of Natural Resources

Edwin J. Laszewski, Jr. (2) City Engineer, City of Milwaukee

Wilmer F. Lean (2,7) County Highway Commissioner,
Walworth County

Gerald P. Lee (1) Building Inspector, City of Muskego

Elwin G. Leet (1,3,4) County Agricultural Agent,
Racine County

Russell Leitch (3) Trade Specialist, Field Services,
U. S. Department of Commerce, Milwaukee

Edward G. Lemmen (6) Water Utility Manager,
City of Lake Geneva

James Lenz (6) Village Engineer, Village of Hartland

J. William Little (2,6) City Administrator, City of Wauwatosa

Gilbert R. Loshek (2) Area General Manager,
Greyhound Lines-West, Milwaukee

James J. Lynch (1) Village Planner, Village of Shorewood

William L. Marvin (2,7) Director, Traffic Engineering Department,
American Automobile Association, Madison

Henry M. Mayer (5) President and Manager of Operations,
Milwaukee Transport Services, Inc.

Norman H. McKegney (5) Terminal Superintendent,
The Milwaukee Road, Milwaukee

George Mead (3) Marketing Research Manager,
The Milwaukee Journal

Raymond F. Michaud (2) City Engineer, City of Delavan

Robert J. Mikula (2,4) General Manager,
Milwaukee County Park Commission

William A. Muth (6) Director of Public Works,
City of Brookfield

Thomas J. Muth (1) Director of Public Works,
Village of Germantown

Melvin J. Noth (2,6) Director of Public Works,
Village of Menomonee Falls

George J. Novenski (7) Chief, Travel Statistics and Data
Coordination Section, Division of Planning,
Wisconsin Department of Transportation

William F. O'Donnell County Executive, Milwaukee County

Dwayne Partain (1,5) Librarian, MATC, Milwaukee

Nick T. Paulos (1,2) Village Engineer, Village of Greendale

Allan P. Pleyte (5,7) Traffic Engineer and Superintendent,
Bureau of Traffic Engineering and
Electrical Services, City of Milwaukee

James F. Popp (5,7) Chief of Planning,
U. S. Department of Transportation,
Federal Aviation Administration,
Great Lakes Region, Chicago

Joyce G. Poulsen (3,5) Executive Director, Southeastern
Wisconsin Area Agency on Aging

John B. Prince (1,3,6) Director of Corporate Planning,
Wisconsin Electric Power Company, Milwaukee

Richard A. Rechlicz (5) Executive Secretary, Wisconsin
School Bus Contractors Association

Richard Repert (3) Associate for United Community
Services Planning, United Community
Services of Greater Milwaukee

Albert P. Rettler (2,7) County Highway Commissioner,
Washington County

Donald V. Revello (5,7) Chief, Planning Methods and
Forecasts Section, Division of Planning,
Wisconsin Department of Transportation

Donald A. Roensch (1,6) Director of Public Works,
City of Mequon

William D. Rogan (1,4) County Agri-Business Agent,
Waukesha County

Gordon Rozmus (1,3) City Planner, City of Wauwatosa

Dr. Eric Schenker (3,5,7) Chairman,
Department of Business Administration,
University of Wisconsin-Milwaukee

John C. Schumacher (2,7) City Engineer, City of West Allis

**TECHNICAL COORDINATING AND ADVISORY COMMITTEE
ON REGIONAL LAND USE-TRANSPORTATION PLANNING
(Continued)**

Gerald Schwerm (2) Village Manager, Village of Brown Deer

Harvey Shebesta (2,3,5,7) District Engineer,
District 9, Division of Highways,
Wisconsin Department of Transportation

Earl G. Skagen (2,4,7) County Highway Commissioner,
Racine County

Leland C. Smith (4) County Horticultural Agent,
Kenosha County

Phillip A. Sundal (3) Research Director, Wisconsin
Department of Business Development

G. D. Tang (1,3) District Business Research Manager,
Wisconsin Telephone Company, Milwaukee

Walter J. Tarmann (1,4) Executive Director, Waukesha County
Park and Planning Commission

Jack Taylor (5) President, Flash City Cab, Racine

Norbert S. Theine (1) Administrator, City of South Milwaukee

Donald J. Tripp (1,4) Agricultural Agent, Ozaukee County

Floyd W. Usher (2) City Engineer, City of Oconomowoc

Rodney M. VandenNoven (6) Director of Public Works,
City of Waukesha

John P. Varda (7) General Manager, Wisconsin Motor
Carriers Association, Madison

Lloyd O. Wadleigh (3) Chairman, Department of Economics,
Carroll College, Waukesha

Leo J. Wagner (1,2) County Highway Commissioner,
Kenosha County

Frank A. Wellstein City Engineer,
(1,2,4,5,6,7)
City of Oak Creek

Sylvester N. Weyker (2) County Highway Commissioner,
Ozaukee County

Henry B. Wildschut (2,7) County Highway Commissioner and
Director of Public Works, Milwaukee County

Elgar C. Williams (1,3) City Planner, City of West Allis

Bruce B. Wilson (1) Chief, Urban and Regional Planning Assistance,
Wisconsin Department of Transportation

Dan Wilson (4) Resource Development Agent,
UW Extension, Washington County

Thomas N. Wright (1,3,5) Director of Planning, City of Racine

SEWRPC STAFF:

Kurt W. Bauer (1,2,3,4,5,6) Executive Director

Harlan E. Clinkenbeard (1,3,4) Assistant Director

Keith W. Graham (2,5,6,7) Assistant Director

Mark P. Green (2,5,7) Chief Transportation Planner

Thomas D. Patterson (3) Chief of Planning Research

Bruce P. Rubin (1,4) Chief Land Use Planner

**CITIZENS' ADVISORY COMMITTEE ON THE FREEWAY-TRANSIT ELEMENT
OF THE REGIONAL LAND USE-TRANSPORTATION PLAN REEVALUATION**

Richard W. Cutler Attorney, Quarles and Brady, Milwaukee;
Chairman Commissioner, SEWRPC

Mrs. Evelyn L. Petshek Commissioner, SEWRPC
Vice-Chairman

Orren J. Bradley President, Boston Store
Department Stores, Milwaukee

Roger C. Cobb Citizen Member, Milwaukee

James N. Elliott President, Milwaukee Building and
Construction Trades Council AFL-CIO, Milwaukee

Sebastian J. Helfer Director of Campus Planning,
Marquette University, Milwaukee

Leonard C. Hobert Chairman of the Board,
Gimbels Midwest, Milwaukee

Cynthia Kukor Alderman, City of Milwaukee

Thomas P. Leisle Mayor, City of Mequon

Harold A. Lenicheck Citizen Member, Milwaukee

Thomas M. Spellman UW Milwaukee;
West Side Citizens' Coalition

**CITIZENS' ADVISORY COMMITTEE ON THE FREEWAY-TRANSIT ELEMENT
OF THE REGIONAL LAND USE-TRANSPORTATION PLAN REEVALUATION
(Continued)**

Dr. Robert F. Purtell, Jr. Citizen Member, Brookfield
John S. Randall. Citizen Member, Milwaukee
Lee G. Roemer Citizen Member, Whitefish Bay
Dr. Eric Schenker Chairman, Department of Business Administration,
University of Wisconsin-Milwaukee
Dr. Abraham Scherr. Citizens Regional Environmental
Coalition, North Lake
Wesley L. Scott. Executive Director,
Milwaukee Urban League, Milwaukee
Bert J. Stitt Citizen Member, Milwaukee
L. William Teweles. Citizen Member, Milwaukee

**TECHNICAL COORDINATING AND ADVISORY COMMITTEE
ON REGIONAL AIRPORT PLANNING**

William D. Rogan County Agri-Business Agent,
Chairman Waukesha County
Kurt W. Bauer. Executive Director, SEWRPC
Secretary
John H. Batten President, Twin Disc, Inc., Racine;
Member, National Business Aircraft Association
Robert R. Brackett Manager, Kenosha Municipal Airport;
Member, Wisconsin Aviation Trades Association
Donald M. Cammack Chief Planning Engineer,
Division of Aeronautics,
Wisconsin Department of Transportation
Arne L. Gausmann. Director, Bureau of Systems Planning,
Division of Planning,
Wisconsin Department of Transportation
Bill R. Hippenmeyer Director of Planning, City of Oak Creek
Paul C. Leonard Manager, Central Operations Regional Office,
American Air Transport Association,
Rosemount, Illinois
James F. Popp Chief of Planning,
U. S. Department of Transportation,
Federal Aviation Administration,
Great Lakes Region, Chicago
Joseph F. Sanek Airport Director, Milwaukee County
Earl L. Stier Manager, West Bend Airport
Henry B. Wildschut County Highway Commissioner and
Director of Public Works, Milwaukee County
Lt. Col. Fred R. Wylie Civil Engineer,
120th Air Refueling Group,
Wisconsin Air National Guard, Milwaukee

**TECHNICAL AND INTERGOVERNMENTAL COORDINATING
AND ADVISORY COMMITTEE ON JURISDICTIONAL
HIGHWAY PLANNING FOR KENOSHA COUNTY**

Leo J. Wagner. County Highway Commissioner,
Chairman Kenosha County
Robert F. Kolstad City Planner, City of Kenosha
Secretary
Kurt W. Bauer. Executive Director, SEWRPC
Howard J. Blackmon Chairman, Town of Somers
Phillip Dunek Citizen Member, Village of Paddock Lake
Thomas O. Grady Chairman, Town of Wheatland
Thomas J. Haley Citizen Member, City of Kenosha
Richard Harrison. President, Village of Silver Lake
Fred J. Hempel Planning and Research Engineer,
U. S. Department of Transportation, Madison
Donald K. Holland. Director of Public Works,
City of Kenosha
Earl W. Hollister County Supervisor, Kenosha County
Merlin F. Jahns. Trustee, Village of Twin Lakes

**TECHNICAL AND INTERGOVERNMENTAL COORDINATING
AND ADVISORY COMMITTEE ON JURISDICTIONAL
HIGHWAY PLANNING FOR KENOSHA COUNTY
(Continued)**

Thomas R. Kinsey District Engineer, District 2,
Division of Highways, Wisconsin
Department of Transportation
Maurice Lake Citizen Member, Town of Salem
John J. Maurer Citizen Member, Town of Pleasant Prairie
Glenn L. Miller Citizen Member, Town of Brighton
Roger E. Prange Clerk, Town of Pleasant Prairie
Paul W. Saftig. Mayor, City of Kenosha
Virginia Taylor Citizen Member, City of Kenosha
August Zirbel, Jr. Chairman, Town of Paris

**TECHNICAL AND INTERGOVERNMENTAL COORDINATING
AND ADVISORY COMMITTEE ON JURISDICTIONAL
HIGHWAY PLANNING FOR MILWAUKEE COUNTY**

Henry B. Wildschut County Highway Commissioner and
Chairman and Secretary Director of Public Works,
Milwaukee County
Kurt W. Bauer. Executive Director, SEWRPC
John O. Hibbs. Division Engineer,
U. S. Department of Transportation,
Federal Highway Administration, Madison
Edwin J. Laszewski, Jr.. City Engineer, City of Milwaukee
J. William Little City Administrator, City of Wauwatosa
Nick T. Paulos Village Engineer, Village of Greendale
Peter J. Peters. City Engineer, City of Glendale
John E. Schumacher City Engineer, City of West Allis
Gerald Schwerm Village Manager, Village of Brown Deer
Harvey Shebesta District Engineer,
District 9, Division of Highways,
Wisconsin Department of Transportation
Frank A. Wellstein. City Engineer, City of Oak Creek

**TECHNICAL AND INTERGOVERNMENTAL COORDINATING
AND ADVISORY COMMITTEE ON JURISDICTIONAL
HIGHWAY PLANNING FOR OZAUKEE COUNTY**

Sylvester N. Weyker. County Highway Commissioner,
Chairman Ozaukee County
Kurt W. Bauer. Executive Secretary, SEWRPC
Secretary
Russell A. Dimick City Engineer, City of Cedarburg
Arne L. Gausmann. Director, Bureau of
Systems Planning, Division of Planning,
Wisconsin Department of Transportation
Fred J. Hempel. Planning and Research Engineer,
U. S. Department of Transportation,
Federal Highway Administration, Madison
Thomas P. Kinsey District Engineer,
District 2, Division of Highways,
Wisconsin Department of Transportation
Herbert H. Peters. Consulting Engineer,
Ozaukee County Highway Department
Kenneth A. Roell Administrator and Engineer, Town of Cedarburg
Donald A. Roensch Director of Public Works,
City of Mequon
John H. Sigwart Director of Public Works,
City of Port Washington

**TECHNICAL AND INTERGOVERNMENTAL COORDINATING
AND ADVISORY COMMITTEE ON JURISDICTIONAL
HIGHWAY PLANNING FOR RACINE COUNTY**

Earl G. Skagen County Highway Commissioner,
Chairman
Cecil F. Mehring County Highway Engineer,
Secretary
Kurt W. Bauer. Executive Director, SEWRPC
Thomas R. Clark Chief Planning Engineer,
District 2, Division of Highways,
Wisconsin Department of Transportation
Arnold L. Clement. Planning Director and Zoning
Administrator, Racine County
George Gundersen Chief of Statewide Planning Section,
Division of Planning,
Wisconsin Department of Transportation
Chester J. Harrison Town Engineer, Town of Caledonia
Fred J. Hempel Planning and Research Engineer,
U. S. Department of Transportation,
Federal Highway Administration, Madison
Thomas R. Kinsey District Engineer,
District 2, Division of Highways,
Wisconsin Department of Transportation
Fred H. Larson Commissioner of Public Works,
City of Racine
Thomas R. Wright Director of Planning, City of Racine

**TECHNICAL AND INTERGOVERNMENTAL COORDINATING
AND ADVISORY COMMITTEE ON JURISDICTIONAL
HIGHWAY PLANNING FOR WALWORTH COUNTY**

Milton R. Reik Citizen Member,
Chairman
City of Lake Geneva
Wilmer W. Lean. County Highway Commissioner,
Secretary
Walworth County
Anthony F. Balestrieri Consulting Engineer, Elkhorn;
Commissioner, SEWRPC
William E. Barth Citizen Member, Town of Walworth
Kurt W. Bauer. Executive Director, SEWRPC
Schuyler W. Case. Citizen Member, Town of Sharon
Charles H. Cruse Chairman, Town of Whitewater
Herbert E. Erickson President, Village of Williams Bay
Oliver W. Fleming Citizen Member, City of Delavan
George Gundersen Chief of Statewide
Planning Section, Division of Planning,
Wisconsin Department of Transportation
Fred J. Hempel Planning and Research Engineer,
U. S. Department of Transportation,
Federal Highway Administration, Madison
G. F. Hill. City Manager, City of Whitewater
Emil J. Johnjack Mayor, City of Lake Geneva
Herbert E. Johnson Plan Commission, Village of Fontana
Thomas R. Kinsey District Engineer,
District 2, Division of Highways,
Wisconsin Department of Transportation
Clement Tracy Chairman, Town of East Troy

**TECHNICAL AND INTERGOVERNMENTAL COORDINATING
AND ADVISORY COMMITTEE ON JURISDICTIONAL
HIGHWAY PLANNING FOR WASHINGTON COUNTY**

Lloyd Jacklin Citizen Member, Village of Jackson
Chairman
Kurt W. Bauer. Executive Director, SEWRPC
Secretary
Frederick H. Chlupp Land Use and Park Administrator,
Washington County
Lucien M. Darin Director of Public Works,
City of Hartford

**TECHNICAL AND INTERGOVERNMENTAL COORDINATING
AND ADVISORY COMMITTEE ON JURISDICTIONAL
HIGHWAY PLANNING FOR WASHINGTON COUNTY
(Continued)**

Jerome P. Faust County Supervisor, Washington County
Peter Gonnering Chairman, Town of Barton
Carl Hauch. Supervisor, Town of Farmington
Fred J. Hempel Planning and Research Engineer,
U. S. Department of Transportation,
Federal Highway Administration, Madison
Thomas R. Kinsey District Engineer,
District 2, Division of Highways,
Wisconsin Department of Transportation
Walter L. Kletti Member, City of Hartford
Planning Commission
Reuben Koch Supervisor, Town of West Bend
Howard J. Kruepke Citizen Member, Town of Polk
Arnold J. Lepien Supervisor, Town of Hartford
John W. Lietzau Trustee, Village of Germantown
Adolph B. Lofy. Chairman, Town of Richfield;
County Supervisor, Washington County
Charles F. Miller President, Village of Kewaskum;
County Supervisor, Washington County
Thomas J. Muth Director of Public Works,
Village of Germantown
John A. Oelhafen Chairman, Town of Wayne;
County Supervisor, Washington County
Alois Okruhlica Supervisor, Town of Jackson
John M. Pick Alderman, City of West Bend
Helmuth F. Prah. County Supervisor, Washington County;
Member, County Board Highway Committee
Albert P. Rettler County Highway Commissioner,
Washington County
Robert R. Rosenthal Supervisor, Washington County
Ralph P. Schnorenberg. Alderman, City of Hartford
Hugo Schwulst Chairman, Town of Erin;
County Supervisor, Washington County
Roland S. Sennier. Chairman, Town of Trenton
Jerome A. Stantz. City Clerk, City of West Bend
Mervin C. Thompson Chairman, Town of Kewaskum
Carl Vogt. Town Clerk, Town of Addison
Harley Wachs Town Clerk, Town of Germantown

**TECHNICAL AND INTERGOVERNMENTAL COORDINATING
AND ADVISORY COMMITTEE ON JURISDICTIONAL
HIGHWAY PLANNING FOR WAUKESHA COUNTY**

Vencil F. Demshar. County Highway Commissioner,
Chairman and Secretary
Waukesha County
Kurt W. Bauer. Executive Director, SEWRPC
Arne L. Gausmann. Director, Bureau of
Systems Planning, Division of Planning,
Wisconsin Department of Transportation
Roger A. Harris. Director of Public Works,
City of New Berlin
Fred J. Hempel Planning and Research Engineer,
U. S. Department of Transportation,
Federal Highway Administration, Madison
Richard M. Jung, Sr. Supervisor, Town of Lisbon
Thomas R. Kinsey District Engineer,
District 2, Division of Highways,
Wisconsin Department of Transportation
Gerald P. Lee Building Inspector, City of Muskego
William A. Muth Director of Public Works,
City of Brookfield
Wilbur G. Perren Supervisor, Town of Genesee
Floyd W. Usher. City Engineer, City of Oconomowoc
Rodney M. VandenNoven Director of Public Works,
City of Waukesha
Max A. Vogt. Village Engineer,
Village of Menomonee Falls

**TECHNICAL COORDINATING AND ADVISORY COMMITTEE ON
TRANSIT DEVELOPMENT FOR THE KENOSHA PLANNING DISTRICT**

Robert F. Kilstad Director, Department of Community
Chairman Development, City of Kenosha
Frank J. Bennett Alderman, City of Kenosha
Howard J. Blackmon Chairman, Town of Somers
Nicholas D. Carso Acting Chief Planner,
Urban Mass Transportation Administration,
U. S. Department of Transportation, Chicago
Mrs. Ben Ami Chemerow League of Women Voters
John B. Culver Kenosha Manufacturers Association
Arne L. Gausmann Director, Bureau of
Systems Planning, Division of Planning,
Wisconsin Department of Transportation
Charles W. Haubrich Chairman, Town of Pleasant Prairie
John O. Hibbs Division Engineer,
Federal Highway Administration,
U. S. Department of Transportation
Alvin G. Hoffman Alderman, City of Kenosha
Edward A. Jenkins Transportation Director, City of Kenosha
Thomas R. Kinsey District Engineer,
District 2, Division of Highways,
Wisconsin Department of Transportation
Mrs. Ione Kreamer American Association of University Women
Dr. William J. Murin University of Wisconsin-Parkside
Eric H. Olson Chairman, Kenosha County Board of Supervisors
Francis J. Pitts Vice-Chairman, Kenosha County Board of
Supervisors; Commissioner, SEWRPC
Rev. Robert Rodriguez Director, Latin American Center
Eugene J. Ryshkus Board of Education,
Kenosha Unified Schools
Paul W. Saftig Mayor, City of Kenosha
Mrs. Shirley Schmerling University of Wisconsin-Parkside
Donald L. Taske President, Downtown Kenosha Association
Bert A. Thompson Senior Citizens
Tony Valeo Chairman, Kenosha Transit Commission
Elmer F. Wilda Plumbers and Steamfitters Local 182
Charles W. Woelffer Transportation Supervisor,
Kenosha Unified Schools

**TECHNICAL COORDINATING AND ADVISORY COMMITTEE
ON TRANSIT DEVELOPMENT FOR THE RACINE PLANNING DISTRICT**

Dr. William J. Murin Political Science Department,
Chairman University of Wisconsin-Parkside
Kurt W. Bauer Executive Director, SEWRPC
Secretary
Edwin W. Benter Demographer Planner,
Unified School District No. 1
Eual W. Bodenbach Town Coordinator, Town of Mt. Pleasant
Nicholas D. Carso Acting Chief Planner,
Urban Mass Transportation Administration,
U. S. Department of Transportation, Chicago
Arnold L. Clement Planner, County of Racine
Marcel A. Dandeneau Supervisor, Town of Caledonia;
State Assemblyman, Racine
Jubentino Gonzales Director, Racine Spanish Center
Lenard Grimmer, Sr. Citizen Member, Racine
John M. Hartz Chief, Urban Transit Section,
Division of Planning,
Department of Transportation
Robert G. Heck President of Council, City of Racine
James F. Kurcharski Citizen Member, Village of Sturtevant
Raymond Matthews Executive Director, Urban League of Racine
Walter Neider Citizen Member, Racine
Frank Rizzo President, Racine County
AFL-CIO Council
Eric Schroder Citizen Member, Racine
Victor C. Tannehill Executive Vice President,
Manufacturers Association of Racine
Jack Taylor President, Flash City
Cab Company, Racine
Ray F. Truesdell Division of Vocational Rehabilitation, Racine
Fred Wentorf Gateway Technical Institute,
University of Wisconsin-Racine Campus
Darrell Wright Racine Chamber of Commerce
Erwin F. Zuehlke Director of Business Office,
University of Wisconsin-Parkside

**WAUKESHA MASS TRANSIT CITIZENS
AND TECHNICAL ADVISORY COMMITTEE**

David J. Boulay Citizen Member, City of Waukesha
Chairman
David R. Markiewicz Citizen Member, City of Waukesha
Recording Secretary
Mrs. Helen Backhaus Citizen Member, City of Waukesha
Kurt W. Bauer Executive Director, SEWRPC
Nicholas D. Carso Acting Chief Planner,
Urban Mass Transportation Administration,
U. S. Department of Transportation, Chicago
Thomas R. Clark District Planning Engineer,
Division of Highways,
Wisconsin Department of Transportation
V. F. Demshar Waukesha County Highway Commissioner
Miss Iva Jean Downs Citizen Member, City of Waukesha
Robert Foley Citizen Member, City of Waukesha
John M. Hartz Chief, Urban Transit Section,
Wisconsin Department of Transportation
Mrs. Joan Marx Citizen Member, City of Waukesha
Richard Nettum Citizen Member, City of Waukesha
Charles G. Rohr Citizen Member, City of Waukesha
Edward J. Stoltz Citizen Member, City of Waukesha
Michael L. Thaller Citizen Member, City of Waukesha

**COMMUNITY ADVISORY COMMITTEE ON LAND USE PLANNING
FOR THE GENERAL MITCHELL FIELD MASTER PLANNING STUDY**

Norbert S. Theine Administrator,
Chairman City of South Milwaukee
Mrs. Carol F. Pfeifer Alderman,
Vice-Chairman City of St. Francis
Robert A. Anderson Alderman, City of Milwaukee
John M. Bennett City Engineer, City of Franklin
Louis M. Cook Alderman, City of Greenfield
Raymond T. Dwyer City Engineer, City of Greenfield
Ronald Fisco Chairman, City of Franklin
Airport Study Committee
Donald W. Hermann Mayor, City of Oak Creek
Bill R. Hippenmeyer Director of Planning and Industrial
Development, City of Oak Creek
Lawrence P. Kelly Mayor, City of Cudahy
Mrs. Marian Kroscher Trustee, Village of Greendale
J. Henry Kuliński City Engineer, City of St. Francis
Edwin J. Laszewski, Jr. City Engineer, City of Milwaukee
Carl A. Lichte Citizen Member, City of Milwaukee
Thomas Lisota Alderman, City of Cudahy
Donald Lukas Member, Village of Greendale Plan Commission
Anthony L. Luljak Alderman, City of Cudahy
David R. Mayer Alderman, City of Franklin
Nick T. Paulos Village Engineer and Director of
Public Works, Village of Greendale
Stanley Raclaw, Jr. Alderman, City of St. Francis
Rodolfo N. Salcedo Environmental Scientist,
Department of City Development,
City of Milwaukee
Robert H. Thronson Citizen Member, City of South Milwaukee
Allen H. Windschanz Alderman, City of Oak Creek
Frank Zawacki, Jr. Alderman, City of South Milwaukee

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

George C. Berteau Chairman, Southeastern Wisconsin
Acting Chairman Regional Planning Commission
Kurt W. Bauer Executive Director, Southeastern Wisconsin
Secretary Regional Planning Commission
Nicholas D. Carso Acting Chief Planner,
Urban Mass Transportation Administration,
U. S. Department of Transportation, Chicago

**INTERGOVERNMENTAL COORDINATING AND ADVISORY COMMITTEE
ON TRANSPORTATION SYSTEM PLANNING AND PROGRAMMING
FOR KENOSHA URBANIZED AREA
(Continued)**

Thomas R. Clark District Chief Planning Engineer,
District 2, Division of Highways,
Wisconsin Department of Transportation
Arne L. Gausmann. Director, Bureau of System Planning,
Wisconsin Department of Transportation
John O. Hibbs. Division Administrator,
Federal Highway Administration,
U. S. Department of Transportation
Donald K. Holland. Director of Public Works,
City of Kenosha
Edward A. Jenkins. Director, Department of Transportation,
City of Kenosha
Francis J. Pitts Chairman, Kenosha County Board
of Supervisors
George A. Swier Highway Commission, Kenosha County

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

George C. Berteau Chairman, Southeastern Wisconsin
Acting Chairman
Regional Planning Commission
F. Thomas Ament Chairman, Milwaukee County Board
of Supervisors
Daniel F. Casey County Supervisor, Milwaukee County
Vencil F. Demshar. County Highway Commissioner,
Waukesha County
William R. Drew Commissioner, Department of City Development,
City of Milwaukee
P. Harry Eberle. Mayor, City of New Berlin
Herbert A. Goetsch Commissioner of Public Works,
City of Milwaukee
Joseph M. Hutsteiner County Supervisor, Milwaukee County
Rod Lanser Alderman, City of Milwaukee
Edwin J. Laszewski, Jr. City Engineer, City of Milwaukee
Thomas P. Leisle Mayor, City of Mequon
J. William Little Administrator, City of Wauwatosa
Patrick H. McLaughlin Development Coordinator,
City of Milwaukee
William E. Meaux County Supervisor, Milwaukee County
Henry F. Mixer President, Village of Whitefish Bay
Nick T. Paulos Village Engineer, Village of Greendale
John E. Schumacher City Engineer, City of West Allis
Emil M. Stanislawski County Supervisor, Milwaukee County
Paul G. Vrakas Mayor, City of Waukesha
Frank A. Wellstein. City Engineer, City of Oak Creek

Ex Officio Members

Kurt W. Bauer. Executive Director, Southeastern
Secretary
Wisconsin Regional Planning Commission
Stephen M. Born Director, Office of State Planning and Energy,
Wisconsin Department of Administration
Robert W. Brannan Deputy Director, Department of Public Works,
Milwaukee County
Nicholas D. Carso Acting Chief Planner,
Urban Mass Transportation Administration,
U. S. Department of Transportation, Chicago
Thomas J. Hart Administrator, Division of Planning,
Wisconsin Department of Transportation
John O. Hibbs. Division Administrator, Federal Highway
Administration, U. S. Department of Transportation
Thomas R. Kinsey District Engineer, District 2,
Division of Highways,
Wisconsin Department of Transportation
Harvey Shebesta District Engineer, District 9,
Division of Highways,
Wisconsin Department of Transportation
Henry B. Wildschut County Highway Commissioner
Director, Department of Public Works,
Milwaukee County

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

George C. Berteau Chairman, Southeastern Wisconsin
Acting Chairman
Regional Planning Commission
Kurt W. Bauer. Executive Director, Southeastern
Wisconsin Regional Planning Commission
Nicholas D. Carso Acting Chief Planner,
Urban Mass Transportation Administration,
U. S. Department of Transportation, Chicago
Thomas R. Clark District Chief Planning Engineer,
District 2, Division of Highways,
Wisconsin Department of Transportation
Jon J. Dederich. Plan Commissioner,
Village of Elmwood Park
Arne L. Gausmann. Director, Bureau of System Planning,
Wisconsin Department of Transportation
John O. Hibbs. Division Administrator,
Federal Highway Administration,
U. S. Department of Transportation
Lester O. Hoganson City Engineer, City of Racine
Stephen R. Horvath, Jr. Chairman, Town of Caledonia
Clair W. Jenn Traffic Engineer, City of Racine
LeRoy H. Jerstad President, Village of North Bay
Herman Nelson Trustee, Village of Sturtevant
Henry J. Olson President, Village of Wind Point
Earl G. Skagen County Highway Commissioner,
Racine County
Robert F. White Town Supervisor,
Town of Mt. Pleasant

**TECHNICAL COORDINATING AND ADVISORY COMMITTEE ON
TRANSPORTATION PLANNING FOR THE ELDERLY AND HANDICAPPED
IN KENOSHA AND WALWORTH COUNTIES**

Gunnar Bergersen Executive Director, Geneva Lake Area
Chairman
Joint Transit Commission
James Van De Loo. Assistant Executive Director,
Vice Chairman
Kenosha Achievement Center
Kurt W. Bauer. Executive Director, Southeastern Wisconsin
Secretary
Regional Planning Commission
Terry Aldrich Planner/Coordinator, Lakeland Counseling
Center of Walworth County
Robert A. Barbee Vocational Rehabilitation Supervisor,
Wisconsin Department of Health
and Social Services
Richard Brown Wisconsin Taxi Cab Association
Ed Buttera. Governor's Committee for
People with Disabilities
Rosemary Gilliland Citizen Member, Kenosha
James Hammeley. Basic Services Supervisor,
Kenosha County Social Services Department
William Heimlich. Planning Supervisor,
Wisconsin Department of Transportation,
Division of Highways, Waukesha
Edward Jenkins. Director, Kenosha Transit Commission
Dale Jensen Vice Chairman,
Kenosha County Comprehensive Board
John Lawless Executive Director, American Red Cross
Margaret Nedry. Citizen Member, Kenosha
Bobbie Petrusky Citizen Member, Kenosha
Joyce G. Poulson. Executive Director, Southeastern Wisconsin
Area Agency on Aging, Inc.
Mathew J. Reichl. Wisconsin School Bus Contractors Association
Fred C. Schmalfeldt. County Board Supervisor, Kenosha County
Dora Schroeter Walworth County Commission on Aging
Paul Stiles Contract Manager, Jelco, Inc.
Franklin Stoneburner. Adult Services Supervisor,
Walworth County Department of Social Services
Harold S. Turkelson. Citizen Member, Kenosha
Dennis Viera Transit Planner,
Wisconsin Department of Transportation,
Division of Planning, Madison

**TECHNICAL COORDINATING AND ADVISORY COMMITTEE ON
TRANSPORTATION PLANNING FOR THE ELDERLY AND HANDICAPPED
IN MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES**

Sarah C. EttenheinChairman, Milwaukee County
Chairman
Commission on Aging
John V. DohertyMember, Governor's Committee for
People with Disabilities
Vice Chairman
Kurt W. BauerExecutive Director, Southeastern Wisconsin
Secretary
Regional Planning Commission
Arthur T. BendlinCitizen Member, Milwaukee
John P. BoyntonPresident, Boynton Cab Company
Paul E. CookCitizen Member, Milwaukee
Fred J. Dickmann, Sr.Supervisor, Ozaukee County Board
Clarence Farsee, Jr.Citizen Member, Milwaukee
Paul I. FriedTransportation Coordinator/Planner,
Community Relations-Social Development Commission
August F. GamalskiCitizen Member, Milwaukee
William A. HeimlichPlanning Supervisor,
Wisconsin Department of Transportation,
Division of Highways, Waukesha
Fred R. HesselbeinDevelopmental Disabilities Coordinator,
Comprehensive Services of Ozaukee County
Cathy HeyingPersonnel and Safety Analyst,
Washington County
Thomas A. HigginsPresident, Care Cabs, Inc.
Larry M. KoeppinExecutive Director, Portal Programs, Inc.
Shirley KraussCitizen Member, Milwaukee
Kenneth F. KrumnowDistrict Supervisor,
Division of Vocational Rehabilitation,
Wisconsin Department of Health and Social Services
Thomas E. LabsResearch Analyst,
Milwaukee Transport Services, Inc.
Evelyn LeachCitizen Member, Saukville
Donald M. LeudkeDeputy Executive Director,
Goodwill Industries
Arthur LichtenwalnerCitizen Member, Washington County
David LoomansCitizen Member, West Bend
H. David MortVice President,
Marquardt Bus Service
Joyce G. PoulsenExecutive Director, Southeastern Wisconsin
Area Agency on Aging, Inc.
John A. ReddyDirector of Operations,
Handicabs of Milwaukee, Inc.
Harout O. SanasarianMilwaukee County Supervisor and
SEWRPC Commissioner
Roger A. SieversAdministrator, Ozaukee County
Commission on Aging
John D. SteinbachSupervisor, Waukesha County
Dennis C. VieraTransit Planner,
Wisconsin Department of Transportation,
Division of Planning, Madison
Betty VossAlderman, City of Milwaukee
Alex J. WeinbergerMilwaukee County Combined
Community Services Board
Margaret Timper WilcoxCitizen Member, Milwaukee
Christine D. WilsonProgram Coordinator,
Waukesha County Program on Aging
Thomas A. WinkelDistrict Chief Planning Engineer,
Wisconsin Department of Transportation

**TECHNICAL COORDINATING AND ADVISORY COMMITTEE ON
TRANSPORTATION PLANNING FOR THE ELDERLY AND HANDICAPPED
IN RACINE COUNTY**

Michael J. GlasheenTransit Planner, City of Racine,
Chairman
Department of Transportation
Catherine Puta MocarskiRacine County Planning Council
Vice Chairman
Kurt W. BauerExecutive Director, Southeastern Wisconsin
Regional Planning Commission
Mathilda BrooksCitizen Member, Racine
Fred ConradCitizen Member, Racine
John DoonanExecutive Director, Racine County
Commission on Aging
Robert GrafWisconsin School Bus Contractors Association
William HeimlichPlanning Supervisor,
Wisconsin Department of Transportation,
Division of Highways, Waukesha
Rex K. HiseyPresident, Racine Yellow Cab Company

**TECHNICAL COORDINATING AND ADVISORY COMMITTEE ON
TRANSPORTATION PLANNING FOR THE ELDERLY AND HANDICAPPED
IN RACINE COUNTY
(Continued)**

Clair W. JennTraffic Engineer, City of Racine
Dan C. JohnsonExecutive Director, Society's Assets Inc.
John LawlessExecutive Director, American Red Cross
Frank MiezioDirector of Central Services,
Lincoln Lutheran of Racine
Patty OntkoCitizen Member, Racine
Mrs. John PhillipsCitizen Member, Racine
Fred PoulsenProgram Director, Racine County
Developmental Disabilities Board
Joyce G. PoulsenExecutive Director, Southeastern Wisconsin
Area Agency on Aging, Inc.
Rudolph ReevesMember, Wisconsin Taxi Cab Association
Raymond TruesdellSupervisor, Division of Vocational Rehabilitation,
Wisconsin Department of Health and Social Services
Dennis VieraTransit Planner,
Wisconsin Department of Transportation,
Division of Planning, Madison

**TASK FORCE ON SYNTHESIS OF THE RECOMMENDED
REGIONAL TRANSPORTATION PLAN**

Harvey ShebestaDistrict Engineer, District 9,
Chairman
Division of Highways,
Wisconsin Department of Transportation
Kurt W. BauerExecutive Director, Southeastern Wisconsin
Secretary
Regional Planning Commission
Robert W. BrannanDeputy Director, Department of Public Works
Roger C. CobbCitizen Member, Milwaukee
Arne L. GausmannDirector, Bureau of Systems Planning,
Division of Planning,
Wisconsin Department of Transportation
Thomas R. KinseyDistrict Engineer, District 2,
Division of Highways,
Wisconsin Department of Transportation
Edwin J. LaszewskiCity Engineer, City of Milwaukee
Henry M. MayerPresident and Manager,
Milwaukee Transport Services, Inc.
James K. O'NealTransportation Economist,
Office of State Planning and Energy,
Wisconsin Department of Administration
Allan P. PleyteTraffic Engineer and Superintendent,
Bureau of Traffic Engineering and Electrical Services,
City of Milwaukee
Lee G. RoemerCitizen Member, Whitefish Bay
Samuel R. SewardTransportation Planner,
Department of City Development,
City of Milwaukee
Dennis C. VieraTransit Planner, Bureau of Transport Services,
Division of Planning,
Wisconsin Department of Transportation

ROOT RIVER WATERSHED COMMITTEE

Robert J. MikulaGeneral Manager,
Chairman
Milwaukee County Park Commission
Thomas N. WrightPlanning Director, City of Racine
Vice-Chairman
Kurt W. BauerExecutive Director, SEWRPC
Secretary
Anthony A. AlbertePresident, Village of Hales Corners
John M. BennettCity Engineer, City of Franklin
Robert J. BorchardtChief Engineer and General Manager,
Milwaukee-Metropolitan Sewerage Commissions
Raymond T. DwyerCity Engineer, City of Greenfield
Alvin ErdmanDistrict Conservationist,
U. S. Soil Conservation Service,
Waukesha and Milwaukee Counties

ROOT RIVER WATERSHED COMMITTEE
(Continued)

Jerome J. Gottfried Mayor, City of Muskego
Donald W. Hermann Mayor, City of Oak Creek
Lester O. Hoganson City Engineer, City of Racine
Elwin G. Leet County Agricultural Agent, Racine County
John Margis, Jr. Chairman, Racine County Board of Supervisors;
Commissioner, SEWRPC
Stephen F. Olsen Mayor, City of Racine
Nick T. Paulos Village Engineer, Village of Greendale
John Schultz District Engineer, Southeast District,
Wisconsin Department of Natural Resources
John E. Schumacher City Engineer, City of West Allis
Frank A. Wellstein City Engineer, City of Oak Creek

FOX RIVER WATERSHED COMMITTEE

William D. Rogan County Agri-Business Agent,
Chairman Waukesha County
Paul G. Jaeger County Agri-Business Agent,
Secretary Kenosha County
Kurt W. Bauer Executive Director, SEWRPC
Tim Blohm President, Village of Rochester
Edmund M. Brick Chief, Water Regulation Section,
Bureau of Water and Shoreland Management,
Wisconsin Department of Natural Resources
Dorothy Bucholtz Citizen Member, Town of Burlington
Robert Bucholtz Chairman, Town of Waterford
Arnold L. Clement Planning Director and Zoning
Administrator, Racine County
Alvin A. Erdman District Conservationist,
Milwaukee and Waukesha Counties,
U. S. Soil Conservation Service
Willard R. Evans Supervisor, Waukesha County;
Member, County Health Board
Jerome Gottfried Mayor, City of Muskego
Thomas Grady Chairman, Town of Wheatland
Robert Graf President, Village of Waterford
H. Copeland Greene Citizen Member, Genesee Depot
Henry F. Halter Commissioner,
Norway-Dover Drainage District
Franklin E. Hazelo Supervisor, Town of Rochester
Karl B. Holzworth Park Director, Racine County
Stanley W. Ihlenfeldt County Agri-Business Agent,
Walworth County
James A. Johnson County Planner, Walworth County
Dr. Leonard C. Johnson Soil and Water Conservation Specialist,
Board of Soil and Water Conservation Districts,
University of Wisconsin-Extension
Melvin J. Johnson Chairman, Town of Norway
Elwin G. Leet County Agri-Business Agent,
Racine County
Walter Mass Member, Town of Rochester Plan Commission
John H. Mielke Consulting Engineer, Waukesha
William A. Mitchell Mayor, City of Brookfield
Raymond J. Moyer, Jr. Supervisor, Racine County
Eistein Pedersen Citizen Member, Rochester, Wisconsin
Clarence O. Peterson Chairman, Town of Vernon
Cloyd A. Porter Chairman, Town of Burlington
Herbert E. Ripley Health Officer, Waukesha County
Department of Health
Phil Sander Executive Secretary, Southeastern
Wisconsin Sportsmen's Federation
Dr. Bruno E. Schiffleger Citizen Member, Elkhorn
Bernard G. Schultz Assistant District Director,
Southeast District, Wisconsin
Department of Natural Resources
Art Stratton Commissioner,
Hoosier Creek Drainage District
Walter J. Tarmann Executive Director, Waukesha County
Rodney M. VandenNoven Director of Public Works,
City of Waukesha
Frank Walsh Supervisor, Walworth County;
Chairman, Town of Linn
Stan Wilson Citizen Member, Burlington
John R. Zillmer Secretary, Ice Age Park and
Trail Foundation, Milwaukee

MILWAUKEE RIVER WATERSHED COMMITTEE

Richard W. Cutler Attorney, Quarles and Brady, Milwaukee;
Chairman Member, Village of Fox Point
Plan Commission; Commissioner, SEWRPC
Kurt W. Bauer Executive Director, SEWRPC
Secretary
Robert J. Borchardt Chief Engineer and General Manager,
Milwaukee-Metropolitan Sewerage Commissions
Vaughn H. Brown Vice-President, Tri-County Civic Association
Frederick H. Chlupp Land Use and Park Administrator,
Washington County
Delbert J. Cook Chairman, Cedar Creek Restoration Council
Arthur G. Degnitz Supervisor, Washington County
Arthur D. Doll Director, Bureau of Planning, Wisconsin
Department of Natural Resources
Edward Frauenheim Supervisor, Sheboygan County
Herbert A. Goetsch Commissioner of Public Works,
City of Milwaukee
Lawrence W. Hillman Vice-President, The West Bend Company,
West Bend; Commissioner, SEWRPC
Mrs. Robert Jaskulski Treasurer, Milwaukee River
Restoration Council, Inc.
Ben E. Johnson Alderman, City of Milwaukee
John T. Justen President, Pfister & Vogel
Tanning Company, Milwaukee
Dorothy Klein Former President, Village of Saukville
Robert L. Konik County Planner, Fond du Lac County
Adolph Laubenstein President, Laubenstein Roofing
Company, Saukville
Thomas P. Leisle Mayor, City of Mequon
Robert J. Mikula General Manager, Milwaukee
County Park Commission
Rudolph Mikulich Business Administrator,
Clerk-Treasurer, City of Glendale
Dennis E. Nulph District Engineer, Wisconsin
Department of Natural Resources
Timeon L. Richter Director, Department of
Environmental Health, Ozaukee County
Albert Schroeder Former Chairman, Town of Trenton
George Watts President, George Watts & Son, Inc., Milwaukee
Donald W. Webster Supervisor, Town of Fredonia;
Consulting Civil Engineer, Milwaukee
Richard E. Zarling Director of Elementary Education,
Kewaskum Community Schools

MENOMONEE RIVER WATERSHED COMMITTEE

Herbert A. Goetsch Commissioner of Public Works,
Chairman City of Milwaukee
J. William Little City Administrator,
Vice-Chairman City of Wauwatosa
Kurt W. Bauer Executive Director, SEWRPC
Secretary
Robert J. Borchardt Chief Engineer and General Manager,
Milwaukee-Metropolitan Sewerage Commissions
Arthur D. Doll Director, Bureau of Planning,
Wisconsin Department of Natural Resources
Glenn H. Evans Member, Citizens for Menomonee
River Restoration, Inc.
Frederick E. Gottlieb Village Manager,
Village of Menomonee Falls
Frank S. Hartay Plant Engineer,
The Falk Corporation, Milwaukee
George C. Keller President, Wauwatosa State Bank
Raymond J. Kipp Dean, College of Engineering,
Marquette University
Thomas M. Lee Chief, Flood Plain Shoreland
Management Section, Wisconsin
Department of Natural Resources
Thomas P. Leisle Mayor, City of Mequon;
Supervisor, Ozaukee County
Robert J. Mikula General Manager,
Milwaukee County Park Commission
Thomas J. Muth Director of Public Works,
Village of Germantown
Dennis Nulph District Engineer, Wisconsin
Department of Natural Resources
Richard G. Reinders Trustee, Village of Elm Grove
John E. Schumacher City Engineer, City of West Allis
Walter J. Tarmann Executive Director, Waukesha County
Park and Planning Commission
Clark E. Wangerin City Engineer, City of Brookfield

KINNICKINNIC RIVER WATERSHED COMMITTEE

Robert J. Mikula General Manager,
Chairman Milwaukee County Park Commission
Edwin J. Laszewski, Jr. City Engineer, City of Milwaukee
Vice Chairman
Kurt W. Bauer. Executive Director, SEWRPC
Secretary
Robert J. Borchardt. Chief Engineer and General Manager,
Milwaukee-Metropolitan Sewerage Commissions
Raymond T. Dwyer. City Engineer, City of Greenfield
Stanley Polewski. Proprietor, Polewski Pharmacy, Milwaukee
Ronald J. Rutkowski. Director of Public Works,
City of Cudahy
Rodolfo N. Salcedo. Environmental Scientist,
Department of City Development, Milwaukee
Frank Schultz. District Engineer, Southeast District,
Wisconsin Department of Natural Resources
John E. Schumacher. City Engineer, City of West Allis
Frank J. Wabiszewski. Vice-President, Maynard Electric
Steel Casting Company
Henry B. Wildschut. County Highway Commissioner and
Director of Public Works, Milwaukee County

TECHNICAL COORDINATING AND ADVISORY COMMITTEE ON SANDSTONE AQUIFER SIMULATION MODELING

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Chairman Waukesha Water Utility
William D. McElwee. Chief Environmental Planner, SEWRPC
Secretary
W. W. Barnwell. District Chief, Water Resources Division,
U. S. Geological Survey
Kurt W. Bauer. Executive Director, SEWRPC
Anthony F. Biba. Superintendent, Elkhorn Light
and Water Commission
L. M. Darin. Director of Public Works,
City of Hartford
Glenn W. Frank. Manager, Cedarburg Light
and Water Commission
Jerome J. Gottfried. Mayor, City of Muskego
Roger A. Harris. Director of Public Works,
City of New Berlin
David L. Kluge. Administrative Engineer, Village of Pewaukee
Edmund P. Krueger. Superintendent, Village of Grafton
Sewer and Water Commission
Dr. Norman P. Lasca. Associate Professor,
Department of Geological Sciences,
University of Wisconsin-Milwaukee
Edward G. Lemmen. Water Utility Manager,
City of Lake Geneva Water Commission
Thomas J. Muth. Village Engineer, Village of Germantown
M. E. Ostrom. Geologist, Water Resources Program,
Wisconsin Geological and Natural History Survey
O. Fred Struve. Superintendent, Menomonee Falls Water Utility
Martin Valentine. Water Superintendent, City of Whitewater
Clark E. Wangerin. City Engineer, City of Brookfield
Jerome J. Winter. Superintendent, City of Oconomowoc Utility
Harley L. Young. Hydrologist U. S. Geological Survey

TECHNICAL ADVISORY COMMITTEE ON AREAWIDE WASTEWATER TREATMENT AND WATER QUALITY MANAGEMENT PLANNING

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Chairman Milwaukee-Metropolitan Sewerage Commissions
Raymond J. Kipp. Dean, College of Engineering,
Vice-Chairman Marquette University
William D. McElwee. Chief Environmental Planner, SEWRPC
Secretary
Vinton W. Bacon. Professor, College of Applied Science and
Engineering, University of Wisconsin-Milwaukee
Robert E. Badger. Vice President-Corporate Planning,
Snap-on Tools Corporation, Kenosha;
Wisconsin Manufacturers Association
Anthony S. Baretta. Director, Milwaukee County Planning Commission
Kurt W. Bauer. Executive Director, SEWRPC
Jon L. Caylor. District Conservationist,
U. S. Soil Conservation Service,
Kenosha and Racine Counties

TECHNICAL ADVISORY COMMITTEE ON AREAWIDE WASTEWATER TREATMENT AND WATER QUALITY MANAGEMENT PLANNING (Continued)

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Washington County
Arnold L. Clement. Planning Director and Zoning
Administrator, Racine County
Norbert Dettmann. Washington County Board Supervisor
Herbert A. Goetsch. Commission of Public Works,
City of Milwaukee
Thomas Hentges. Former Racine County Board Supervisor;
Former Chairman, Town of Burlington
Harlan D. Hirt. Chief, Planning Branch, Region V,
U. S. Environmental Protection Agency
Lester Hoganson. City Engineer, City of Racine
Helen Jacobs. League of Women Voters
Myron Johansen. Former District Conservationist,
U. S. Soil Conservation Service,
Ozaukee and Washington Counties
James A. Johnson. Walworth County Planner
Leonard C. Johnson. Southeast Area Representative, Wisconsin
Board of Soil and Water Conservation Districts
Melvin J. Johnson. Chairman, Town of Norway,
Racine County Board Supervisor
Thomas A. Kroehn. Administrator, Division of Environmental Standards,
Department of Natural Resources
Elwin G. Leet. Racine County Agri-Business Agent
William G. Murphy. Professor, College of Engineering,
Marquette University; Chairman, SEWRPC
Citizen's Advisory Panel for Public Participation on
Areawide Wastewater Treatment and
Water Quality Management Planning
O. Fred Nelson. Manager, Kenosha Water Utility
Wayne Pirsig. District Director, Farmers Home
Administration, U. S. Department of Agriculture
Herbert E. Ripley. Health Officer,
Waukesha County Department of Health
Donald A. Roensch. Director of Public Works,
City of Mequon
Harold Ryan. Washington County Board Supervisor
Walter J. Tarmann. Executive Director, Park and
Planning Commission, Waukesha County
Mitchell Urbanski. Engineer, American Motors Corporation;
Member, Kenosha County Air
and Water Pollution Committee
Rodney M. VandenNoven. Director of Public Works,
City of Waukesha
Frank A. Wellstein. City Engineer, City of Oak Creek

INTERGOVERNMENTAL COORDINATING COMMITTEE ON AREAWIDE WASTEWATER TREATMENT AND WATER QUALITY MANAGEMENT PLANNING

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Milwaukee-Metropolitan Sewerage Commissions
Stephen M. Born. Director, Office of State Planning and Energy,
Wisconsin Department of Administration
Gary K. Coates. Manager, Racine Water and Wastewater Utility
Richard E. Cohen. Research Analyst, Statistics Division,
Wisconsin Department of Agriculture
Thomas G. Frangos. Acting Assistant Secretary,
Wisconsin Department of Natural Resources
Herbert A. Goetsch. Commissioner of Public Works,
City of Milwaukee
Harlan D. Hirt. Chief, Planning Branch,
U. S. Environmental Protection Agency, Chicago
George A. James. Director, Bureau of Local and Regional Planning,
Wisconsin Department of Local Affairs and Development
Leonard C. Johnson. Soil and Water Conservation Specialist,
Board of Soil and Water Conservation Districts
O. Fred Nelson. Manager, Kenosha Water Utility
Gerald Root. State Conservationist,
U. S. Soil Conservation Service
Harvey E. Wirth. State Sanitary Engineer, Division of Health,
Wisconsin Department of Health and Social Services
James R. Van Epps. Captain, Planning Division,
Department of the Army,
Chicago District, Corps of Engineers

**CITIZENS ADVISORY PANEL FOR PUBLIC PARTICIPATION
ON AREAWIDE WASTEWATER TREATMENT AND
WATER QUALITY MANAGEMENT PLANNING**

William G. Murphy Professor, Marquette University;
Chairman Engineers and Scientists of Milwaukee
Miriam G. Dahl Representative, Izaak Walton League
Vice-Chairman of America, Wisconsin State Division
Francis A. Martin Representative, Racine-Kenosha
Secretary Citizens for the Environment
Alice G. Altemeier Designee, League of Women Voters of
Wisconsin, Inc.
Richard F. Ashley Designee, Schlitz Audubon Center
Cari C. Backes Chairperson, Equality and
Quality of Life (EAQOL)
Ralph C. Blum Representative, American Society of
Civil Engineers
Lucile S. Bonerz Designee, Milwaukee Board of Realtors
Frank R. Boucher Director, Environmental Department,
Wisconsin Electric Power Company
Roger Caron Executive Director, Kenosha Area
Chamber of Commerce
Catherine G. Collins Designee, Wisconsin Academy of
Sciences, Arts, and Letters
Delbert J. Cook Representative, Cedar Creek
Restoration Council
John Drake Executive Director, Associated
Public Works Contractors
Tom Eisele Designee, Lake Michigan Federation
Philip J. Fogle Director, Geneva Lake
Watershed Environmental Agency
Richard M. Franz Representative, Ecology Association
of New Berlin
Norman N. Gill Executive Director, Citizens Governmental
Research Bureau of Milwaukee
Allen Goldmann Supervisor, Ozaukee County;
Ozaukee County Air and Water
Pollution Study Committee
James Gramling Student, Arrowhead Ecology Club
Carroll W. Halsted Designee, District 2,
Division of Highways,
Wisconsin Department of Transportation
Kenneth Holtje Citizen Member, Dousman
Dale F. Houdek Chairman, Washington County
Environmental Council
Robert Hussa President, Citizens for Menomonee River
Helen M. Jacobs President, Southeast Wisconsin
Coalition for Clean Air
Mrs. Richard J. Jensen Secretary, Root River
Restoration Council, Inc.
Marlin Johnson Field Station Manager,
University of Wisconsin-Waukesha Center
Paul Juhnke Manager, Metropolitan Milwaukee
Association of Commerce,
Urban Research and Development
Anthony Kau President, Waukesha County Farm Bureau
Richard Lansing Staff Representative,
Plumbers and Gasfitters Local 75,
Wisconsin State AFL-CIO
Alfred G. Lustig Designee, Milwaukee River
Restoration Council
Lawrence R. Olsen Representative, Kenosha County
Farm Bureau
Charles Opitz Representative, Ozaukee County
Farm Bureau
Wayne M. Paulus First Wisconsin Mortgage Company
Lynn Peterson President, Racine County
Farm Bureau
Lanis Pfolsgrof Representative, Sierra Club
John L. Rampetsreiter Designee, District 9,
Division of Highways,
Department of Transportation
Allen E. Reininger Plumbing and Health Inspector,
City of Glendale
Annabelle Reuter Designee, Izaak Walton League
Karen Rutz Representative, Wisconsin Friends
of Animals, Inc.
Phil Sander Executive Secretary,
Southeastern Wisconsin Sportsman's Federation
Abraham Scherr Representative, Citizens Regional
Environmental Coalition
Peter J. Schultz Representative, Racine Chamber of Commerce
William B. N. Schultz Representative, Wisconsin Society
of Professional Engineers

**CITIZENS ADVISORY PANEL FOR PUBLIC PARTICIPATION
ON AREAWIDE WASTEWATER TREATMENT AND
WATER QUALITY MANAGEMENT PLANNING
(Continued)**

David Sharpe Representative, University of Wisconsin-
Milwaukee, Community Development
Arthur Swanson Representative, Arrowhead Ecology Club
Robert J. Thill Representative, Ozaukee County
Farm Bureau
Howard A. Tietz Representative, Friends of Havenswood
Bruce R. Thompson Representative, Sierra Club
Marv Thompson Construction Supervisor, Washington County
Sedimentation and Erosion Control Project
Joseph C. Waters President, Wisconsin Association
of Campground Owners
Ray Watz Representative, Ozaukee County
Farm Bureau
Kenneth Weddig Representative, Washington County
Recreation and Resource Council
John A. White Maintenance Engineer, District 2,
Division of Highways,
Wisconsin Department of Transportation
Stephan Woll Executive Director, Metropolitan Builders
Association of Greater Milwaukee

**TECHNICAL ADVISORY COMMITTEE ON
NATURAL RESOURCES AND ENVIRONMENTAL DESIGN**

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Chairman U. S. Soil Conservation Service
Kurt W. Bauer Executive Director, SEWRPC
Secretary
Robert W. Baker Supervising Development Engineer,
Division of Highways,
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William W. Barnwell District Chief,
Water Resources Division,
U. S. Geological Survey, Madison
Edmund Brick Chief, Water Regulation Section,
Bureau of Water and Shoreland Management,
Wisconsin Department of Natural Resources
Thomas A. Calabresa Chief, Private Water Supply Section,
Bureau of Water and Shoreland Management,
Wisconsin Department of Natural Resources
Arthur D. Doll Director, Bureau of Planning,
Wisconsin Department of Natural Resources
Warren A. Gebert Assistant District Chief,
Water Resources Division,
U. S. Geological Survey, Madison
Harlan D. Hirt Chief, Planning Branch, Region V,
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George A. James Director, Bureau of Local and Regional Planning,
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Dr. Leonard Johnson Conservation Education Specialist,
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James M. Maas Chief, Planning Division,
U. S. Army Corps of Engineers, Chicago
Jerome McKersie Chief, Water Quality Evaluation,
Wisconsin Department of Natural Resources
Meredith E. Ostrom Director and State Geologist,
Geological and Natural History Survey,
University of Wisconsin—Extension
Walter J. Tarmann Executive Director, Waukesha County
Park and Planning Commission
Donald G. Wieland Director of Engineering,
Sewerage Commission of the
City of Milwaukee
Harvey E. Wirth State Sanitary Engineer,
Division of Health, Wisconsin Department
of Health and Social Services

**TECHNICAL COORDINATING AND ADVISORY COMMITTEE
ON REGIONAL AIR QUALITY MAINTENANCE PLANNING**

Richard Keyes Environmental Engineer, Milwaukee
Chairman County Department of Public Works
Barbara J. Becker President, Southeastern Wisconsin
Vice-Chairman Coalition for Clean Air
Alice Altmeier League of Women Voters,
Ozaukee County
Norman N. Amrhein President, Federal Malleable Company,
West Allis
Kurt W. Bauer Executive Director, SEWRPC
Gerald D. Bevington Coordinator of Air Programs,
Wisconsin Department of Natural Resources, Milwaukee
Dr. Roy Elmore Northeastern Illinois Planning Commission
Edwin J. Hammer Developmental Engineer,
Division of Highways,
Wisconsin Department of Transportation
John C. Hanson Director, Racine County Department
of Air Pollution Control
John O. Hibbs Division Engineer,
Federal Highway Administration,
U. S. Department of Transportation, Madison
Howard L. Hochman Planner, Comprehensive Health Planning
Agency of Southeastern Wisconsin, Inc.
Elroy C. Jagler Meteorologist in Charge,
National Weather Service
Forecast Office, Milwaukee
Thomas R. Kinsey District Engineer,
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Wisconsin Department of Transportation
Paul Koziar Meteorologist,
Division of Environmental Protection,
Department of Natural Resources, Madison
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Department of Mechanical Engineering,
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Fred R. Rehm Director, Milwaukee County
Division of Environmental Service
Herbert E. Ripley Director of Environmental Health Services,
Waukesha County Health Department
Rodolfo N. Salcedo Environmental Scientist,
Department of City Development,
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Harvey Shebesta District Engineer,
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Mark Steinberg Senior Meteorologist,
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Wisconsin Electric Power Company
Michael S. Treitman Environmental Protection Agency,
Region V, Chicago
Emmerich Wantschik Assistant County Planner,
Walworth County
George A. Zimmer Supervisor, Environmental Health,
Kenosha Health Department

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

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Acting Chairman
Hubert J. Albert Port Washington Yacht Club
W. J. Blong Former Village Engineer,
Village of Fox Point
Robert W. Borchardt Chief Engineer and General Manager,
Milwaukee-Metropolitan Sewerage Commissions
Josephine H. Boucher North Shore League of Women Voters
Thomas H. Buestrin SEWRPC Commissioner, Ozaukee County
Sol Burstein Executive Vice President,
Wisconsin Electric Power Company

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

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H. A. Goetsch Commissioner of Public Works,
City of Milwaukee
Wayne E. Koessl Kenosha County Board Supervisor,
Member, Town of Pleasant Prairie
Planning Commission
Dr. Norman P. Lasca Associate Professor, Department of
Geological Sciences, UW-Milwaukee
Elwin G. Leet County Agent, Racine County
Thomas P. Leisle Mayor, City of Mequon
Thomas W. Lisota Alderman, City of Cudahy
Anthony L. Luljak Alderman, City of Cudahy
Dr. Harold M. Meyer Professor, Department of Geography,
UW-Milwaukee
R. Richard Mett Supervisor, Milwaukee County
Robert J. Mikula General Manager,
Milwaukee County Park Commission
William G. Murphy Professor, Soil Mechanics,
College of Engineering,
Marquette University
Mary C. Nelson Alderman, City of South Milwaukee
Dr. William T. Painter President,
Foundation Engineering, Inc., Milwaukee
Francis J. Pitts SEWRPC Commissioner, Kenosha County
Fred R. Rehm Director, Environmental Services Division,
Department of Public Works, Milwaukee County
Ronald J. Rutkowski Director of Public Works,
City of Cudahy
Phil Sander Executive Secretary, Southeastern
Wisconsin Sportsmen's Federation
John A. Seefeldt Port Director, City of Milwaukee
Harbor Commission
James R. Stacker Mayor, City of Port Washington
Norbert S. Theine Administrator, City of South Milwaukee

**TECHNICAL AND CITIZEN ADVISORY COMMITTEE
ON REGIONAL PARK AND OPEN SPACE PLANNING**

Robert J. Mikula General Manager,
Chairman Milwaukee County Park Commission
Loren R. Anderson President, Geneva Lake Development
Corporation, Williams Bay
Anthony S. Bareta County Planning Director,
Milwaukee County Planning Commission
Donald B. Brick Walworth County Recreation Agent
Frederick H. Chlupp Land Use and Park Administrator,
Washington County
Delbert J. Cook Chairman, Cedar Creek
Restoration Council
Norbert Dettmann Chairman, Town of Farmington;
Supervisor, Washington County
Arthur D. Doll Director, Bureau of Planning,
Wisconsin Department of Natural Resources
David F. Egelhoff Supervisor, Ozaukee County
Brooker Hamilton Member, Board of Directors,
Neighborhood House of Milwaukee, Inc.
Karl B. Holzwarth Park Director, Racine County
Charles O. Kamps Attorney, Quarles and Brady, Milwaukee
Philip H. Lewis, Jr. Professor, Department of Landscape
Architecture, University of Wisconsin-Madison;
Director, Environmental Awareness Center, Madison
Richard J. Lindl Director of Parks,
Kenosha County Park Commission
John Margis, Jr. Supervisor, Racine County;
Commissioner, SEWRPC
Kathleen Pfister Cultural Specialist,
Department of City Development,
City of Milwaukee
Robert D. Ross General Manager,
The Journal Times, Racine
Phil Sander Executive Secretary, Southeastern
Wisconsin Sportsmen's Federation

**TECHNICAL AND CITIZEN ADVISORY COMMITTEE
ON REGIONAL PARK AND OPEN SPACE PLANNING
(Continued)**

George L. Schiltz Chairman, Kenosha County
Park Commission
Frederick G. Schmidt Member, Sierra Club
Mrs. John D. Squier Member, Riveredge Nature Center, Inc.
Walter J. Tarmann Executive Director, Waukesha County
Park and Planning Commission
Edgar W. Trecker Supervisor of Forestry, Wildlife,
and Recreation, Southeast District,
Wisconsin Department of Natural Resources
Elwood R. Voigt Park Manager, Ozaukee County
Joseph Waters Proprietor, Lazy Day Campground,
Town of Farmington
Dr. Harry J. Wilkins Outdoor Sportsman, Wauwatosa
George T. Wilson Assistant Superintendent of Schools,
Division of Municipal Recreation
and Adult Education, City of
Milwaukee Public Schools
Thomas N. Wright Director of Planning, City of Racine

**TECHNICAL AND CITIZEN ADVISORY COMMITTEE
ON REGIONAL HOUSING STUDIES**

Richard W. Cutler Attorney, Quarles and Brady, Milwaukee;
Chairman Member, Village of Fox Point
Plan Commission; Commissioner, SEWRPC
Robert B. Barrows Vice-President,
Vice-Chairman Mortgage Loan Department,
Northwestern Mutual Life
Insurance Company, Milwaukee
Kurt W. Bauer Executive Director, SEWRPC
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Society of Real Estate Appraisers,
Milwaukee Chapter No. 64, Milwaukee
John Bach Director, Southeastern Wisconsin
Housing Corporation, Burlington
Richard Barry Representative, Metropolitan
Milwaukee Association of Commerce;
Vice President-Treasurer,
Bruce, Barry, & Gleysteen, Inc., Milwaukee
Richard P. Blake Architect, Blake-Wirth & Associates, Inc.,
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Southeast Section, American Institute of Architects
Delbert Blasdel Administrative Code Consultant,
Division of Industrial Safety and Buildings,
Wisconsin Department of Industry,
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*Paul Borrmann Advisor, Milwaukee Tenants Union;
Coordinator, Metropolitan Housing
Center, Milwaukee
Paul J. Cody Urban Affairs Manager,
S. C. Johnson & Son, Inc., Racine
Clarence Dittmar President, Dittmar Realty, Inc.,
Menomonee Falls
The Rev. John D. Fischer Executive Director, Greater Milwaukee
Conference on Religion and
Urban Affairs, Milwaukee
Leonard F. Forschner Economist, U. S. Department of
Housing and Urban Development,
Milwaukee Area Office
Norman N. Gill Executive Director, Citizens
Governmental Research Bureau, Milwaukee

**TECHNICAL AND CITIZEN ADVISORY COMMITTEE
ON REGIONAL HOUSING STUDIES
(Continued)**

Jay Gilmer Director, Bureau of
Milwaukee Area Service,
Department of Local Affairs
and Development, Milwaukee
Melvin Goldin Secretary-Treasurer,
Recht-Goldin-Siegel, Milwaukee
William Kelly Director, Indian Urban
Affairs Council, Milwaukee
Bernard N. Nill Assistant Planning Director,
Department of City Development,
City of Milwaukee
Edward J. J. Olson Director of Research and Planning,
Community Relations-Social
Development Commission, Milwaukee
William H. Orenstein Project Director,
Northridge Lakes, Milwaukee
Kenneth Payne Housing Coordinator, Milwaukee County
Glenn Peters Secretary-Treasurer,
Peters Development Corporation, West Bend
Gerald Schwerm Village Manager, Village of Brown Deer
Wesley Scott Executive Director, Milwaukee Urban League
Ronald P. Siepmann President, Siepmann Realty
Corporation, Brookfield
Jonathan Slesinger Professor of Sociology,
University of Wisconsin-Milwaukee

RACINE URBAN PLANNING DISTRICT CITIZENS ADVISORY COMMITTEE

David Rowland President, Carpenter-Rowland-Batenberg
Chairman Insurance Company, Racine
Eric Schroder Former Board Member,
Vice-Chairman Racine Unified School District
Marshall Lee, Jr. Marshall E. Lee Agency, Inc.,
Secretary Racine
Gilbert Berthelsen Racine County Administrator
Arnold L. Clement Planning Director and Zoning
Administrator, Racine County
Paul Cody Urban Affairs Manager,
S. C. Johnson and Son, Inc., Racine
Wesley Hansch Chairman, Town of Mt. Pleasant Plan Commission
Lester O. Hoganson City Engineer, City of Racine
Karl B. Holzwarth Park Director, Racine County
Steven R. Horvath Chairman, Town of Caledonia
LeRoy H. Jerstad, Jr. President, Village of North Bay
Edward A. Krenzke City Attorney, City of Racine
John Margis, Jr. Chairman, Racine County Board;
Commissioner, SEWRPC
Cecil F. Mehring County Highway Engineer, Racine County
Edward Mickelson, Jr. President, Village of Sturtevant
Stephen F. Olsen Mayor, City of Racine
Henry J. Olson President, Village of Wind Point
Helen F. Patton Alderman, City of Racine
Virgil Schulz Trustee, Village of Sturtevant
Mrs. Beryl Streiff President, Village of Elmwood Park
Carl E. Thomsen Alderman, City of Racine
George Vanhaverbeke Chairman, Town of Mt. Pleasant
Willard Walker Executive Vice-President,
Walker Forge, Inc.
Thomas N. Wright Director of Planning, City of Racine

Appendix C

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION STAFF 1977

EXECUTIVE DIVISION

Kurt W. Bauer, P.E.
Executive Director

Harlan E. Clinkenbeard
Assistant Director

Keith W. Graham, P.E.
Assistant Director

Margaret M. Shanley
Executive Secretary

Linda S. Sorensen
Secretary

SYSTEMS ENGINEERING AND DATA PROCESSING DIVISION

John W. Ernst
Data Processing Manager

Richard A. Runte
Programming Supervisor

Robert J. Baier
Community Services Representative

Paul J. Clavette
Systems Analyst

Richard L. Henley
Senior Computer Programmer

John D. Harasha
Programmer-Analyst

Kenneth R. Kanack
Gary J. Orlow
Steven T. Schrader
Computer Programmers

John C. Stelpflug
Lead Computer Operator

Thomas L. King
Steven C. Oravetz
Computer Operators

Michael J. Soyck
Assistant Computer Operator

L. Diane Kircher
Lead Data Entry Operator

Kristine M. Engelhardt
Diane L. Milbrath
Rosemary K. Wilcenski
Data Entry Operators

Patricia A. Massino
Data Control Clerk

TRANSPORTATION PLANNING DIVISION

Mark P. Green, P.E.
Chief Engineer

Donald R. Martinson
James A. Marsho
Senior Engineers

Charles B. Reiling
Associate Engineer

Edward F. Spalding
Albert A. Beck
Planners

James F. Graham
Research Aide

Linda S. Hubbard
Clerk-Stenographer

LAND USE AND HOUSING PLANNING DIVISION

Bruce P. Rubin
Chief Planner

Signe K. Emmerich
Gerald H. Emmerich, Jr.
Emile A. Jarreau
William J. Stauber
Edward J. Semrad
Senior Planners

Kristine L. Kingstad
Lon M. Scott
Joyce G. Pariseau
Diane R. Baker
Research Aides

Mary G. Jeske
Clerk-Typist

ADMINISTRATIVE SERVICES DIVISION

John A. Boylan
Administrative Officer

Ralph W. Winnekins
Administrative Assistant

Joan A. Zenk
Bookkeeper

Luella M. Fredrickson
Secretary

Ilene A. Bolle
Lena P. Caracci
Betty Gargan
Joyce A. Schmidt
Clerk-Typists

CARTOGRAPHIC AND GRAPHIC ARTS DIVISION

Leland H. Kreblin
Chief Planning Illustrator

Robert A. Ristow
B. Lynn Richardson
Planning Illustrators

Mark A. Becker
Planner/Draftsman

Thomas R. Houston
Senior Planning Draftsman

Jacqueline Blair
Bergetta Ruehmer
Sean G. Hartnett
Patricia L. Wickert
Planning Draftsmen

Charlotte S. Vega
Clerk-Stenographer

Charlotte R. Seybold
Proofreader

Donald P. Simon
Drafting Clerk

PLANNING RESEARCH DIVISION

Thomas D. Patterson
Chief Planner

John L. Zastrow
Fredrick J. Zimmer
Senior Planners

Charles E. Hillman
Sandra L. Retert
Associate Planner

Linda M. Pohl
Librarian

Mary F. Sutherlin
Clerk-Stenographer

ENVIRONMENTAL PLANNING DIVISION

William D. McElwee, P.E.
Chief Engineer

Stuart G. Walesh, P.E.
Water Resources Engineer

Lyman F. Wible
Water Quality Program Coordinator

Robert P. Biebel, P.E.
Randolph M. Videkovich, P.E.
Senior Engineers

Richard F. Pierce
Air Quality Planning Coordinator

Edward N. Erickson
Environmental Meteorologist

Jeffrey D. Cowee
Curtis W. Goff
Gerald A. Hels
Gary E. Raasch
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Associate Planners

Donald M. Reed
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Irene A. Brown
Clerk-Stenographer

Barbara A. Poff
Pearle D. Plotzeck
Clerk-Typists

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Donald E. Reinbold
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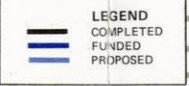
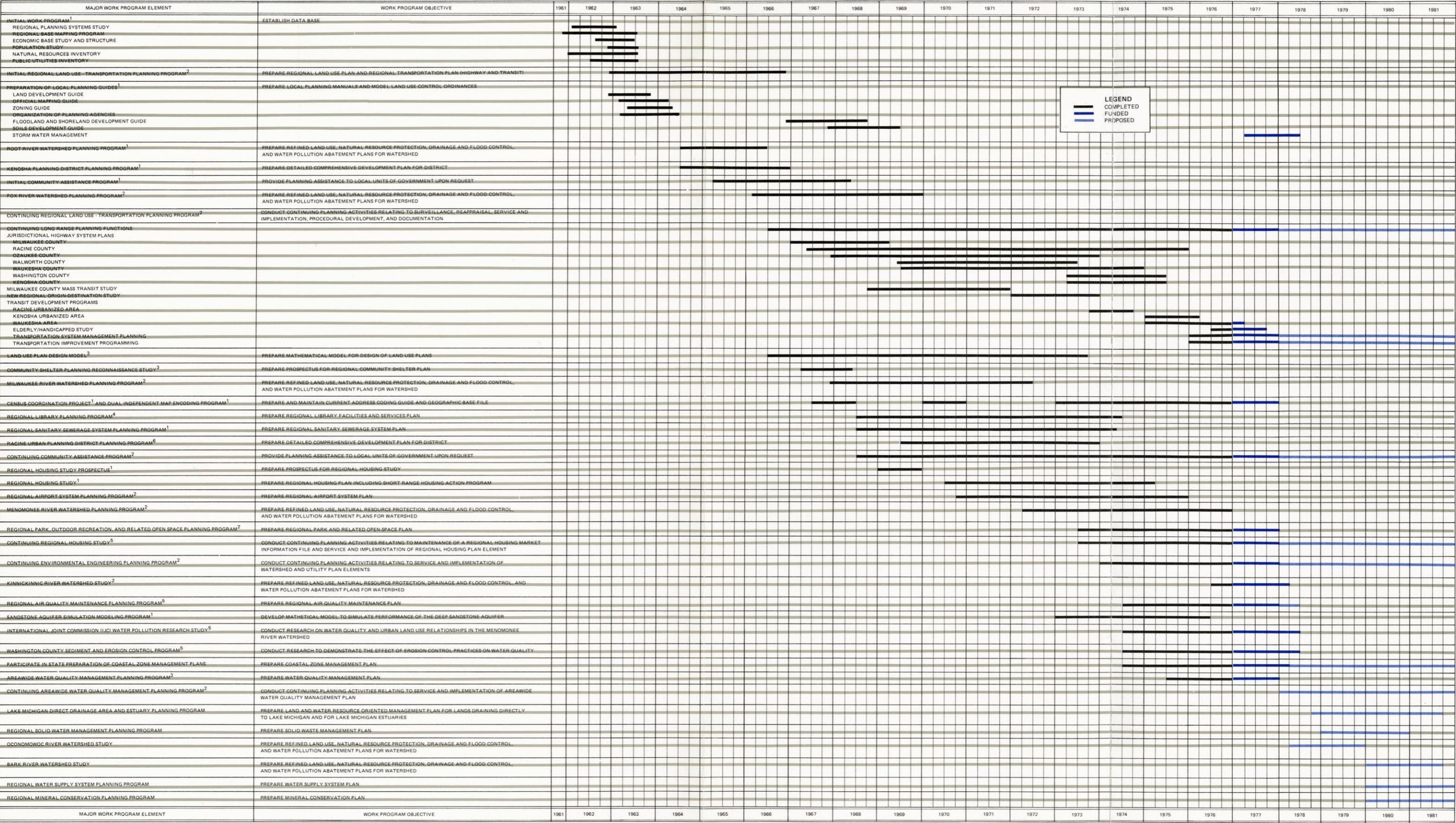
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Meteorologist
Bureau of Air and Solid Waste Management
Wisconsin Department of Natural Resources

TIMING OF MAJOR WORK PROGRAM ELEMENTS
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION: 1961-1981



¹PARTIALLY SUPPORTED BY FEDERAL GRANTS. ²PARTIALLY SUPPORTED BY STATE AND/OR FEDERAL GRANTS. ³WHOLLY SUPPORTED BY FEDERAL GRANTS. ⁴WHOLLY SUPPORTED BY STATE GRANTS. ⁵WHOLLY SUPPORTED BY STATE AND/OR FEDERAL GRANTS. ⁶WHOLLY SUPPORTED BY LOCAL FUNDS.

NOTE: PROPOSED WORK PROGRAMS ARE SUBJECT TO CHANGE AS PROSPECT USES AND STUDY DESIGNS ARE PREPARED AND AS FUNDING IS MADE AVAILABLE.

SOURCE: SEWRPC

SCHLEY, BOETTCHER & CO.

formerly

NORMAN E. SCHLEY

CERTIFIED PUBLIC ACCOUNTANT

P. O. BOX 985

WAUKESHA, WISCONSIN 53186

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MEMBER
WISCONSIN SOCIETY C. P. A.'S.
AMERICAN INSTITUTE OF
CERTIFIED PUBLIC ACCOUNTANTS
NAT'L ASS'N ACCOUNTANTS

May 6, 1977

To the Commissioners of
Southeastern Wisconsin Regional Planning Commission
916 North East Avenue
Waukesha, Wisconsin 53186

Gentlemen:

We have examined the accompanying Balance Sheets and the related Statements of Revenues, Expenditures, and Changes in Fund Balances for the year 1976 of the following funds of the Southeastern Wisconsin Regional Planning Commission:

- | | |
|--|---|
| 1. General Fund | 12. Washington County Special Monumentation Trust Fund |
| 2. Continuing Regional Land Use - Transportation Study Fund | 13. Sandstone Aquifer Simulation Modeling Program Custodian Fund |
| 3. Regional Airport System Planning Program Fund | 14. Continuing Regional Environmental Engineering Planning Program Fund |
| 4. General Mitchell Field Master Plan Fund | 15. Kinnickinnic River Watershed Study Fund |
| 5. Regional Housing Study Fund | 16. Menomonee River Pilot Watershed Study Fund |
| 6. Menomonee River Watershed Planning Program Fund | 17. Coastal Zone Management Planning Program Fund |
| 7. Regional Park, Outdoor Recreation, and Related Open Space Planning Program Fund | 18. Areawide Water Quality Management Planning Program Fund |
| 8. Regional Air Quality Maintenance Planning Program Fund | 19. Equipment Account |
| 9. Stream Gaging Program Trust Fund | 20. Unemployment Compensation Fund |
| 10. City of Kenosha Base Mapping Program Trust Fund | 21. Treasury Cash Fund |
| 11. Cedarburg-Grafton Area Sanitary Sewerage Facilities Study Trust Fund | |

Our examination was made in accordance with generally accepted auditing standards and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, the accompanying financial statements present fairly the financial position of the above funds at December 31, 1976, and the results of its operations for the fiscal year then ended, in conformity with generally accepted accounting procedures applied on a basis consistent with the preceding year and in accordance with standards prescribed by HUD and other grantor contracts.

We have also reviewed compliance and internal control matters in accordance with the provisions of the HUD audit guide for the Comprehensive Planning Assistance Program, and have included applicable comments on Pages 3 and 4.

Respectfully submitted,

Schley, Boettcher & Co.

SCHLEY, BOETTCHER & CO.
Certified Public Accountants.

COMMENTS ON COMPLIANCE AND INTERNAL CONTROL

1. Based on our tests of transactions and examination of records, we believe that Southeastern Wisconsin Regional Planning Commission has complied with the following:

- a. The terms and conditions of the grant contracts.
- b. The regulations, policies and procedures prescribed by its governing board and HUD.

2. As a part of our examination, we reviewed and tested the Commission's system of internal accounting control to the extent we considered necessary to evaluate the system as required by generally accepted auditing standards. Under these standards the purpose of such evaluation is to establish a basis for reliance thereon in determining the nature, timing, and extent of other auditing procedures that are necessary for expressing an opinion on the financial statements. Additionally, our examination included procedures necessary in our judgment to determine compliance with contractual terms and conditions and regulations, policies, and procedures prescribed by HUD, insofar as such compliance review was necessary under the provisions listed as "a" through "f" under "Audit Coverage" in the HUD Audit Guide for the Comprehensive Planning Assistance Program.

The objective of internal accounting control is to provide reasonable, but not absolute, assurance as to the safeguarding of assets against loss from unauthorized use or disposition, and the reliability of financial records for preparing financial statements and maintaining accountability for assets. The concept of reasonable assurance recognizes that the cost of a system of internal accounting control should not exceed the benefits derived and also recognizes that the evaluation of these factors necessarily requires estimates and judgments by management.

There are inherent limitations that should be recognized in considering the potential effectiveness of any system of internal accounting control. In the performance of most control procedures, errors can result from misunderstanding of instructions, mistakes of judgment, carelessness, or other personal factors. Control procedures whose effectiveness depends upon segregation of duties can be circumvented by collusion. Similarly, control procedures can be circumvented intentionally by management with respect either to the execution and recording of transactions or with respect to the estimates and judgments required in the preparation of financial statements. Further, projection of any evaluation of internal accounting control to future periods is subject to the risk that the procedures may become inadequate because of changes in conditions, and that the degree of compliance with the procedures may deteriorate.

Our study and evaluation of the Commission's system of internal accounting control and our review of its compliance with contractual terms, regulations, policies, and procedures which was made for the purpose set forth in the first paragraph of this section, revealed no significant weaknesses.

COST ALLOCATION METHOD

Costs were distributed to the projects and activities pursuant to a cost allocation plan and/or a method of allocation, as applicable, as required by Office of Management and Budget Circular FMC 74-4 and Handbook 6042.1 REV. We reviewed the method used to allocate indirect costs and found it to be consistent and reasonable.

FINDINGS AND RECOMMENDATIONS

Prior Audit

Findings presented in the prior HUD audit report for the period ended August 31, 1975 were satisfactorily resolved.

Current Audit

During the audit of the Southeastern Wisconsin Regional Planning Commission for the year ended December 31, 1976, no findings were made which would require recommendations.

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

General Fund

Statement of Revenues, Expenditures, and Changes in Fund Balance

For the Year Ended December 31, 1976

<u>Revenues</u>			
<u>Federal Grants</u>			
Dept. of Housing and Urban Development (Note 1)	\$	\$ 21,043.00	\$
<u>State Grants</u>			
Wisc. Dept. of Local Affairs and Development (Note 2)		61,484.00	
<u>Counties Contribution</u>		284,274.00	
<u>Other Income</u>			
Community Assistance Agreements	20,348.05		
Sale of Publication	3,069.56		
Sale of Aerial Photos	18,793.83		
Interest on Invested Funds	13,696.18		
Flood Plain Hazard Determination	2,885.00		
Miscellaneous Revenue	101.33		
<u>Total Other Income</u>		58,893.95	
<u>Total Revenues</u>			425,694.95
<u>Expenditures</u>			
<u>Salaries and Fringe Benefits by Divisions</u>			
Executive	19,108.72		
Transportation	1,471.41		
Land Use and Housing	836.12		
Administrative	29,911.74		
Cartography	28,844.21		
Planning Research	6,469.22		
Environmental Planning	4,430.63		
Community Assistance	107,251.88		
<u>Total Salaries and Fringe Benefits</u>		198,323.93	
<u>Totals Carried Forward</u>		198,323.93	425,694.95

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

General Fund

Comparative Balance Sheet

	December 31, 1976	December 31, 1975
<u>Assets</u>		
Equity in Treasury Fund	\$ 273,568.31	\$ 211,699.61
Accounts Receivable		
Federal Grants - HUD	18,048.00	-
Less: Unearned HUD Grant	18,048.00	-
Non-Federal - Dept. of Local Affairs and Development	32,899.00	-
Less: Unearned Dept. of Local Affairs and Development	32,899.00	-
Non-Federal - Community Assistance	13,030.05	13,894.32
<u>Total Receivables</u>	13,030.05	13,894.32
<u>Total Assets</u>	\$286,598.36	\$225,593.93
<u>Liabilities</u>		
Payroll Taxes		
State Withholding Tax	-	2,332.39
FICA Tax	29,538.58	119.18
Federal Withholding Tax	-	6,586.69
<u>Total Payroll Taxes</u>	29,538.58	9,038.26
State Sales Tax	63.75	88.99
Accounts Payable	32,959.70	51,665.15
U. S. Savings Bonds	192.00	-
<u>Total Liabilities</u>	62,754.03	60,792.40
<u>Fund Balance</u>		
Unappropriated Fund Balance	223,844.33	164,801.53
<u>Total Liabilities and Fund Balance</u>	\$286,598.36	\$225,593.93

The notes which follow are an integral part of this statement.

* * * * *

EXHIBIT A-A
(Continued)

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

General Fund

Statement of Revenues, Expenditures, and Changes in Fund Balance

For the Year Ended December 31, 1976

<u>Totals Brought Forward</u>	\$	\$198,323.93	\$425,694.95
<u>Expenditures (Continued)</u>			
<u>Office and Other Expense</u>			
Unemployment Compensation	2,037.76		
Data Processing Services	2,215.79		
Printing Costs	1,639.43		
Annual Report Publication	844.60		
Newsletter Publication	2,448.12		
Office Drafting and Duplicating Supplies	2,831.67		
Library Acquisition and Dues	2,830.78		
Reproduction and Publication	12,185.04		
Publication of Report	629.80		
Travel Expense	4,094.61		
Auto and Office Equipment Maintenance	729.72		
Office Furniture and Equipment	2,049.35		
Rent Expense	8,901.50		
Telephone Expense	2,543.06		
Postage Expense	2,498.72		
Liability and Fire Insurance	368.06		
Audit Expense	1,007.97		
Staff Conference	420.00		
Other Operating Expense	205.58		
Indirect - Travel	262.44		
- Office Supplies	753.78		
- Reproduction and Publication	1,063.60		
- Publication Costs	1,438.47		
- Newsletter	45.71		
- Postage Expense	985.78		
- Legal Expense	108.36		
<u>Total Office and Other Expense</u>		55,199.68	
<u>Total Expenditures</u>		253,523.61	
<u>Excess Revenue over Expenditures</u>		172,171.34	
<u>Fund Balance - Beginning of Year</u>		164,801.53	
Less: Contributions to Other Funds (Note 3)		113,128.54	
<u>Fund Balance - End of Year</u>		\$223,844.33	

The notes which follow are an integral part of this statement.

* * * * *

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

General Fund

Notes to Financial Statements

December 31, 1976

1. Department of Housing and Urban Development Grant Revenue of \$21,043.00 shown in the General Fund is part of a total award to all funds of \$276,682.00 from the Department of Housing and Urban Development. The monies received were used to offset expenditures incurred for the Kinnickinnic River Watershed Study, Continuing Housing Study, Continuing Land Use - Transportation Study and the Community Assistance Program.
2. Wisconsin Dept. of Local Affairs and Development Grant Revenue of \$61,484.00 shown in the General Fund is part of a total award to all funds of \$80,252.86 from the Department of Local Affairs and Development. The monies received were used to offset expenditures incurred for the printing of the bi-monthly Newsletter, Annual Report, Community Assistance Program, and A-95 Clearing House Review.
3. Contributions to Other Funds

The following program funds were reimbursed by the General Fund, fund balance for expenditures that exceeded revenues:

Continuing Regional Land Use - Transportation Study Fund	\$ 35,624.62
Regional Airport System Planning Program Fund	8,441.64
Regional Housing Study Fund	2,132.15
Manomonee River Watershed Planning Program Fund	31,600.99
Regional Park, Outdoor Recreation, and Related Open Space Planning Program Fund	21,712.25
Coastal Zone Management Planning Program Fund	5,766.41
Equipment Account	7,850.48
	<u>\$113,128.54</u>

* * * * *

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Continuing Regional Land Use - Transportation Study Fund (Note 1)

Statement of Revenues, Expenditures, and Changes in Fund Balance

For the Year Ended December 31, 1976

Revenues			
Federal Grants			
Dept. of Housing & Urban Development	\$	216,839.00	\$
Dept. of Transportation - Urban		268,480.00	
Mass Transit Authority		301,926.00	
Dept. of Transportation - Federal			
Highway Administration			
State Grants			
Wisc. Dept. of Transportation		93,718.00	
Counties Contribution		156,382.54	
Contribution from General Fund		35,624.62	
Other Income			
Service Agreements	237,828.62		
Non-Data Processing	11,576.07		
Total Other Income		249,404.69	
Total Revenues			1,322,374.85
Expenditures			
Salaries and Fringe Benefits by Divisions			
Executive	83,058.92		
Data Processing	254,825.54		
Transportation	160,972.28		
Land Use and Housing	65,598.38		
Administrative	39,135.83		
Cartography	47,916.39		
Planning Research	98,592.40		
Environmental Planning	4,418.80		
Community Assistance	25,087.38		
Total Salaries and Fringe Benefits		779,605.92	
Totals Carried Forward		779,605.92	1,322,374.85

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Continuing Regional Land Use - Transportation Study Fund (Note 1)

Comparative Balance Sheet

	December 31, 1976	December 31, 1975
Assets		
Equity in Treasury Fund	\$ -	\$ 21,052.40
Accounts Receivable		
Net Earned Federal Grants - HUD (Note 2)	5,922.21	2,104.73
Urban Mass Transportation Administration (Note 3)	54,792.86	-
Federal Highway Administration (Note 4)	61,811.32	-
Net Earned Non-Federal Grants - Wis. Dept. of Transportation (Note 5)	1,590.95	85,729.74
Due from Service Agreements (Note 6)	23,149.47	27,232.65
Due from Contributions - Counties	26,278.54	-
Total Receivables	173,545.35	115,067.12
Total Assets	\$173,545.35	\$136,119.52
Liabilities		
State Sales Tax	-	14.40
Accounts Payable	69,618.02	136,105.12
Equity in Treasury Fund	103,927.33	-
Total Liabilities	173,545.35	136,119.52
Fund Balance		
Unappropriated Fund Balance	-	-
Total Liabilities and Fund Balance	\$173,545.35	\$136,119.52

The notes which follow are an integral part of this statement.

* * * * *

EXHIBIT B-A
(Continued)

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Continuing Regional Land Use - Transportation Study Fund (Note 1)

Statement of Revenues, Expenditures, and Changes in Fund Balance

For the Year Ended December 31, 1976

Totals Brought Forward	\$	\$ 779,605.92	\$ 1,322,374.85
Expenditures (Continued)			
Office and Other Expense			
Technical Consultants	154.43		
Services by Other Public Agencies	23,447.67		
Data Processing Machine Rental	335,340.03		
Annual Report Publication	3,320.87		
Printing Costs	6,446.08		
Office Drafting & Duplicating Supplies	51,428.16		
Reproduction and Publication	15,700.16		
Publication of Report	4,316.37		
Travel Expense	5,370.58		
Rent Expense	35,371.77		
Telephone Expense	9,999.05		
Postage Expense	1,177.20		
Liability and Fire Insurance	1,447.18		
Audit Expense	4,199.06		
Office Furniture and Equipment	8,330.45		
Auto and Office Equipment Maintenance	2,869.16		
Other Operating Expense	627.98		
Depreciation on Auto and Equipment	3,358.85		
Project Inspection Fee	1,825.00		
Unemployment Compensation Expense	8,012.27		
Regional Conference	1,711.27		
Indirect - Travel	1,031.90		
- Office Supplies	2,963.77		
- Reproduction & Publication	4,181.95		
- Publication Costs	5,655.93		
- Newsletter	179.74		
- Postage Expense	3,875.99		
- Legal Expense	426.06		
Total Office and Other Expense		542,768.93	
Total Expenditures			1,322,374.85
Excess Revenue over Expenditures			-
Fund Balance - Beginning of Year			-
Fund Balance - End of Year			\$ -

The notes which follow are an integral part of this statement.

* * * * *

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Continuing Regional Land Use - Transportation Study Fund

Notes to Financial Statements

December 31, 1976

- The Continuing Regional Land Use - Transportation Study is a continuing planning program directed towards the monitoring of and recommendation for land use development and supporting transportation facility development within the Region.
- Net Earned Federal Grants - Department of Housing and Urban Development**
The Continuing Regional Land Use - Transportation Study Fund was awarded a grant from the U. S. Department of Housing and Urban Development in the amount of \$216,839.00 out of a total award to all funds of \$276,682.00 during 1976. As of December 31, 1976, the U. S. Department of Housing and Urban Development grant to this fund was recognized as earned, and therefore, no unearned portion appears in this statement.
- Net Earned Federal Grants - Urban Mass Transportation Administration**
The Continuing Regional Land Use - Transportation Study Fund was awarded a total grant of \$268,480.00 for the 1976 calendar year. The \$268,480.00 was earned during 1976, and therefore, no unearned portion appears in this statement.
- Net Earned Federal Grants - Federal Highway Administration**
The Continuing Regional Land Use - Transportation Study Fund was awarded a total grant of \$301,926.00 for the 1976 calendar year. The \$301,926.00 was earned during 1976, and therefore, no unearned portion appears in this statement.
- Net Earned Non-Federal Grants - Wisconsin Department of Transportation**
The Continuing Regional Land Use - Transportation Study Fund was awarded a total grant of \$93,718.00 for the 1976 calendar year. The \$93,718.00 was earned during 1976, and therefore, no unearned portion appears in this statement.
- Due from Service Agreements**
The Continuing Regional Land Use - Transportation Study Fund of Southeastern Wisconsin Regional Planning Commission leases an IBM 370 computer and offers electronic data processing services to schools, municipalities, and other agencies within the region. As of December 31, 1976, 75 schools, municipalities and other agencies owed \$23,149.47 to Southeastern Wisconsin Regional Planning Commission for data processing services rendered.

* * * * *

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Regional Airport System Planning Program Fund (Note 1)

Statement of Revenues, Expenditures, and Changes in Fund Balance

For the Year Ended December 31, 1976

<u>Revenues</u>		
Contribution from General Fund	\$	\$ 8,441.64
<u>Total Revenues</u>		8,441.64
<u>Expenditures</u>		
Services by Other Public Agencies	8,441.64	
<u>Total Expenditures</u>		8,441.64
<u>Excess Revenue over Expenditures</u>		-
<u>Fund Balance - Beginning of Year</u>		-
<u>Fund Balance - End of Year</u>	\$	<u>-</u>

The note which follows is an integral part of this statement.

* * * * *

EXHIBIT C-B

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Regional Airport System Planning Program Fund (Note 1)

Comparative Balance Sheet

<u>Assets</u>	<u>Dec. 31, 1976</u>	<u>Dec. 31, 1975</u>
Accounts Receivable		
Non-Federal - Wisc. Dept. of Transportation	\$ -	\$ 20,968.00
<u>Total Assets</u>	\$ -	\$ 20,968.00
<u>Liabilities</u>		
Accounts Payable	-	20,661.28
Equity in Treasury Fund	-	306.72
<u>Total Liabilities</u>	-	20,968.00
<u>Fund Balance</u>		
Fund Balance	-	-
<u>Total Liabilities and Fund Balance</u>	\$ -	\$ 20,968.00

The note which follows is an integral part of this statement.

* * * * *

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Regional Airport System Planning Program Fund

Note to Financial Statements

December 31, 1976

- The Regional Airport System Planning Program was a study conducted to develop a sound and workable plan to guide the staged improvement of adequate public airport facilities and to coordinate airport facility development within the region.

* * * * *

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

General Mitchell Field Master Plan Fund (Note 1)

Statement of Revenues, Expenditures, and Changes in Fund Balance

For the Year Ended December 31, 1976

<u>Revenues</u>			
Wis. Dept. of Transportation	\$	\$	\$ 610.53
<u>Total Revenues</u>			610.53
<u>Expenditures</u>			
<u>Salaries and Fringe Benefits by Divisions</u>			
Executive		62.20	
Transportation		438.26	
Cartography		13.62	
<u>Total Salaries and Fringe Benefits</u>			514.08
<u>Office and Other Expense</u>			
Office Drafting & Duplicating Supplies		.02	
Reproduction and Publication		.05	
Printing Costs		4.08	
Data Process Service		26.83	
Rent Expense		27.70	
Telephone Expense		6.34	
Liability and Fire Insurance		.92	
Audit Expense		2.66	
Depr. on Auto and Equipment		2.13	
Unemployment Compensation Expense		5.08	
Annual Report Publication		2.10	
Office Furniture & Equipment		5.11	
Other Operating Expense		.01	
Automobile & Office Equipment Maintenance		1.82	
Indirect - Office Supplies		1.88	
- Reproduction & Publication		2.65	
- Publication Costs		3.58	
- Newsletter		.11	
- Postage Expense		2.46	
- Legal Expense		.27	
- Travel Expense		.65	
<u>Total Office and Other Expense</u>		96.45	
<u>Total Expenditures</u>			610.53
<u>Excess Revenue over Expenditures</u>			-
<u>Fund Balance - Beginning of Year</u>			-
<u>Fund Balance - End of Year</u>			<u>-</u>

The notes which follow are an integral part of this statement.

* * * * *

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

General Mitchell Field Master Plan Fund (Note 1)

Comparative Balance Sheet

<u>Assets</u>	<u>December 31, 1976</u>	<u>December 31, 1975</u>
Accounts Receivable		
Non-Federal - Wisconsin Dept. of Transportation	\$ 9,816.68	\$ 9,816.68
Less: Unearned Wisconsin Dept. of Transportation (Note 2)	8,938.50	878.18
<u>Total Assets</u>	\$ 878.18	\$ 267.65
<u>Liabilities</u>		
Accounts Payable	1.75	3.03
Equity in Treasury Fund	876.43	264.62
<u>Total Liabilities</u>	878.18	267.65
<u>Fund Balance</u>		
Fund Balance	-	-
<u>Total Liabilities and Fund Balance</u>	\$ 878.18	\$ 267.65

The notes which follow are an integral part of this statement.

* * * * *

General Mitchell Field Master Plan Fund

Notes to Financial Statements

December 31, 1976

1. The General Mitchell Field Master Plan Study is a study to develop compatible land use plans around General Mitchell Field and provide liaison among affected communities and the Airport Master Plan Consultant.

2. Net Earned Non-Federal Grant - Wisconsin Department of Transportation

General Mitchell Field Master Plan Fund was awarded a grant from the Wisconsin Department of Transportation in the amount of \$20,000.00 for Phase I of the Master Plan Study. As of December 31, 1976, \$11,061.50 was earned, and \$8,938.50 remained to be earned.

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Regional Housing Study Fund (Note 1)

Comparative Balance Sheet

	Dec. 31, 1976	Dec. 31, 1975
Assets		
Equity in Treasury Fund	\$ 1,355.90	\$ 4,621.09
Accounts Receivable		
Net Earned Fed. Grants (HUD)	127.00	5,953.00
Total Assets	<u>\$ 1,482.90</u>	<u>\$ 10,574.09</u>
Liabilities		
Accounts Payable	332.76	12,706.24
Unearned Grant - Dept. of Local Affairs and Development	1,150.14	-
Total Liabilities	1,482.90	12,706.24
Fund Balance		
Fund Balance (Note 3)	-	(2,132.15)
Total Liabilities and Fund Balance	<u>\$ 1,482.90</u>	<u>\$ 10,574.09</u>

The notes which follow are an integral part of this statement.

* * * * *

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

EXHIBIT E-A

Regional Housing Study Fund (Note 1)

Statement of Revenues, Expenditures, and Changes in Fund Balance

For the Year Ended December 31, 1976

Revenues			
Federal Grants			
Dept. of Housing and Urban Development	\$	\$ 11,800.00	\$
State Grants			
Wis. Dept. of Local Affairs & Dev. (Note 2)		15,768.86	
Contribution from General Fund		2,132.15	
Other Income			
Interest on Invested Funds		71.06	
Total Revenues			29,772.07
Expenditures			
Salaries and Fringe Benefits by Divisions			
Executive	628.24		
Planning Research	62.04		
Land Use and Housing	20,821.89		
Administrative	69.53		
Cartography	31.25		
Environmental Planning	17.33		
Community Assistance	19.84		
Total Salaries and Fringe Benefits		21,650.12	
Office and Other Expense			
Office Drafting and Duplicating Supplies	46.56		
Reproduction and Publication	67.58		
Data Processing Service	2,238.88		
Travel Expense	577.25		
Rent Expense	971.51		
Postage Expense	.58		
Telephone Expense	276.70		
Liability and Fire Insurance	40.05		
Audit Expense	116.20		
Depreciation on Auto	92.95		
Unemployment Compensation Expense	221.72		
Project Inspection Fee	100.00		
Annual Report Publication	91.90		
Library Acquisition and Dues	160.00		
Printing Costs	178.38		
Office Furniture and Equipment	222.98		
Automobile and Office Equipment Maintenance	79.40		
Other Operating Expenses	.35		
Indirect - Travel Expense	28.55		
- Office Supplies	82.01		
- Reproduction and Publication	115.72		
- Publication Costs	156.51		
- Newsletter	4.97		
- Postage	107.26		
- Legal Expense	11.79		
Total Office and Other Expense		5,989.80	
Total Expenditures			27,639.92
Excess Revenue over Expenditures			2,132.15
Fund Balance - Beginning of Year			(2,132.15)
Fund Balance - End of Year			\$ -

The notes which follow are an integral part of this statement.

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Regional Housing Study Fund

Notes to Financial Statements

December 31, 1976

- The Regional Housing Study is a study being conducted to provide uniform area-wide information on the supply of and demand for housing within the region.
- State Grants - Wisconsin Department of Local Affairs and Development**
The Regional Housing Study Fund 1976 award was \$15,768.86 which represents a portion of the total Southeastern Wisconsin Regional Planning Commission award of \$80,252.86 from the Wisconsin Department of Local Affairs and Development. As of December 31, 1976, \$1,150.14 is the unearned balance of the portion recognized as possible 1976 revenue.
- Contributions were received from the General Fund for additional project costs in excess of the budget estimates totaling \$2,132.15.

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Menomonee River Watershed Planning Program Fund (Note 1)

Statement of Revenues, Expenditures, and Changes in Fund Balance

For the Year Ended December 31, 1976

Menomonee River Watershed Planning Program Fund

Notes to Financial Statements

December 31, 1976

Revenues			
Contribution from General Fund	\$	\$	\$ 31,600.99
<u>Total Revenues</u>			<u>31,600.99</u>
Expenditures			
<u>Salaries and Fringe Benefits by Divisions</u>			
Executive		620.12	
Transportation		1.90	
Administrative		289.85	
Cartography		2,050.80	
Planning Research		36.35	
Environmental Planning		18,778.24	
Community Assistance		263.05	
<u>Total Salaries and Fringe Benefits</u>			<u>22,040.31</u>
<u>Office and Other Expense</u>			
Printing Costs		182.46	
Data Processing Services		4,447.88	
Office Drafting and Duplicating Supplies		147.20	
Reproduction and Publication		206.64	
Annual Report Publication		94.00	
Travel Expense		37.64	
Rent Expense		1,237.20	
Telephone Expense		283.03	
Postage Expense		24.91	
Liability and Fire Insurance		40.96	
Audit Expense		118.86	
Office Furniture & Equipment		228.08	
Depreciation on Auto and Equipment		95.07	
Unemployment Compensation Expense		226.79	
Indirect - Travel Expense		29.21	
- Office Supplies		83.89	
- Reproduction & Publication		118.37	
- Publication Costs		160.10	
- Newsletter		5.09	
- Postage Expense		109.71	
- Legal Expense		12.06	
- Auto & Office Equip. Maintenance		81.21	
<u>Total Office and Other Expense</u>		<u>7,970.36</u>	
<u>Total Expenditures</u>			<u>30,010.67</u>
<u>Excess Revenue over Expenditures</u>			<u>1,590.32</u>
<u>Fund Balance - Beginning of Year</u>			<u>(1,590.32)</u>
<u>Fund Balance - End of Year</u>			<u>\$ -</u>

The notes which follow are an integral part of this statement.

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Regional Park, Outdoor Recreation, and Related Open Space
Planning Program Fund (Note 1)

Statement of Revenues, Expenditures, and Changes in Fund Balance

For the Year Ended December 31, 1976

Revenues			
Counties Contribution	\$	\$ 6,000.00	\$
Contribution from General Fund		<u>21,712.25</u>	
<u>Total Revenues</u>			<u>27,712.25</u>
Expenditures			
<u>Salaries and Fringe Benefits by Divisions</u>			
Executive		622.85	
Land Use and Housing		17,853.90	
Administrative		54.15	
Cartography		785.67	
Planning Research		46.39	
Environmental Planning		39.46	
Community Assistance		549.99	
<u>Total Salaries and Fringe Benefits</u>			<u>19,952.41</u>
<u>Office and Other Expense</u>			
Data Processing Services		5,456.03	
Office Drafting and Duplicating Supplies		25.12	
Reproduction and Publication		40.21	
Annual Report Publication		84.88	
Travel Expense		12.18	
Rent Expense		806.22	
Telephone Expense		255.57	
Postage Expense		41.78	
Liability and Fire Insurance		36.99	
Audit Expense		107.33	
Printing Costs		164.76	
Depr. on Auto and Equipment		85.85	
Unemployment Compensation Expense		204.79	
Office Furniture and Equipment		205.96	
Auto and Office Equipment Maintenance		73.34	
Other Operating Expenses		.34	
Indirect - Travel Expense		26.38	
- Office Supplies		75.75	
- Reproduction and Publication		106.89	
- Publication Costs		144.56	
- Newsletter		4.59	
- Postage Expense		99.07	
- Legal Expense		10.89	
<u>Total Office and Other Expense</u>		<u>8,069.48</u>	
<u>Total Expenditures</u>			<u>28,021.89</u>
<u>Excess Expenditures over Revenue</u>			<u>(309.64)</u>
<u>Fund Balance - Beginning of Year</u>			<u>309.64</u>
<u>Fund Balance - End of Year</u>			<u>\$ -</u>

The note which follows is an integral part of this statement.

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Menomonee River Watershed Planning Program Fund (Note 1)

Comparative Balance Sheet

Assets			
Accounts Receivable	Dec. 31, 1976	Dec. 31, 1975	
Federal - U. S. Environmental Protection Agency	\$ 10,215.91	\$ 10,215.91	
<u>Total Assets</u>	<u>\$ 10,215.91</u>	<u>\$ 10,215.91</u>	
Liabilities			
Accounts Payable	-	154.18	
Equity in Treasury Fund	10,215.91	11,612.05	
<u>Total Liabilities</u>	<u>10,215.91</u>	<u>11,806.23</u>	
<u>Fund Balance</u>	<u>-</u>	<u>(1,590.32)</u>	
<u>Total Liabilities and Fund Balance</u>	<u>\$ 10,215.91</u>	<u>\$ 10,215.91</u>	

The notes which follow are an integral part of this statement.

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Regional Park, Outdoor Recreation, and Related Open Space
Planning Program Fund (Note 1)

Comparative Balance Sheet

	Dec. 31, 1976	Dec. 31, 1975
Assets		
Equity in Treasury Fund	\$ 208.21	\$ 392.12
Total Assets	<u>\$ 208.21</u>	<u>\$ 392.12</u>
Liabilities		
Accounts Payable	208.21	82.48
Total Liabilities	<u>208.21</u>	<u>82.48</u>
Fund Balance		
Fund Balance	-	309.64
Total Liabilities and Fund Balance	<u>\$ 208.21</u>	<u>\$ 392.12</u>

The note which follows is an integral part of this statement.

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Regional Park, Outdoor Recreation, and Related Open Space
Planning Program Fund

Note to Financial Statements

December 31, 1976

1. The Regional Park, Outdoor Recreation, and Related Open Space Planning Program is a study being conducted to develop a sound and workable plan to guide the staged acquisition and development of lands needed for public park, outdoor recreation, and related natural resource conservation purposes within the region.

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Regional Air Quality Maintenance Planning Program Fund (Note 1)

Statement of Revenues, Expenditures, and Changes in Fund Balance

For the Year Ended December 31, 1976

Revenues			
Federal Grants			
U. S. Environmental Protection Agency	\$	\$ 37,039.35	\$
State Grants			
Wisc. Dept. of Transportation		15,096.55	
Wisc. Dept. of Natural Resources		18,763.32	
Total State Grants		<u>33,859.87</u>	
Total Revenues			70,899.22
Expenditures			
Salaries and Fringe Benefits by Division			
Executive		1,329.90	
Transportation		37.91	
Land Use and Housing		83.77	
Administrative		745.02	
Cartography		138.12	
Planning Research		217.04	
Environmental Planning		37,533.70	
Community Assistance		848.13	
Total Salaries and Fringe Benefits		<u>40,933.59</u>	
Office and Other Expense			
Technical Consultants		12,321.50	
Printing Costs		339.05	
Data Processing Services		11,296.37	
Office Drafting and Duplicating Supplies		135.66	
Reproduction and Publication		229.72	
Annual Report Publication		174.67	
Travel Expense		374.98	
Rent Expense		2,062.73	
Telephone Expense		525.93	
Postage Expense		71.49	
Liability and Fire Insurance		76.12	
Audit Expense		220.66	
Office Furniture and Equipment		423.83	
Depreciation Expense		176.67	
Unemployment Compensation Expense		421.43	
Auto and Office Equipment Maintenance		150.91	
Other Operating Expenses		.36	
Indirect - Travel Expense		54.28	
- Office Supplies		155.83	
- Reproduction and Publication		219.96	
- Publication Costs		297.49	
- Newsletter		9.45	
- Postage Expense		203.87	
- Legal Expense		22.41	
Total Office and Other Expense		<u>29,965.63</u>	
Total Expenditures			70,899.22
Excess Revenue over Expenditures			-
Fund Balance - Beginning of Year			-
Fund Balance - End of Year			<u>\$ -</u>

The notes which follow are an integral part of this statement.

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Regional Air Quality Maintenance Planning Program Fund (Note 1)

Comparative Balance Sheet

	December 31, 1976	December 31, 1975
Assets		
Federal - Dept. of Interior		
Environmental Protection Agency	\$ 15,969.17	\$ 44,237.56
Less: Unearned - U. S. Environmental Protection Agency (Note 2)	-	15,969.17
Non-Federal - Wisc. Dept. of Transportation	16,214.68	14,745.85
Less: Unearned Wisc. Dept. of Transportation (Note 3)	13,239.91	2,974.77
Non-Federal - Wisc. Dept. of Natural Resources	31,968.69	14,745.86
Less: Unearned - Dept. of Natural Resources (Note 4)	28,543.14	3,425.55
Total Assets	<u>\$ 22,369.49</u>	<u>\$ 11,997.00</u>
Liabilities		
Accounts Payable	12,540.92	320.54
Equity in Treasury Fund	9,828.57	11,676.46
Total Liabilities	<u>22,369.49</u>	<u>11,997.00</u>
Fund Balance		
Fund Balance	-	-
Total Liabilities and Fund Balance	<u>\$ 22,369.49</u>	<u>\$ 11,997.00</u>

The notes which follow are an integral part of this statement.

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Regional Air Quality Maintenance Planning Program Fund

Notes to Financial Statements

December 31, 1976

- The Regional Air Quality Maintenance Planning Program is a study being conducted to develop a sound and workable long-range plan for meeting established ambient air quality objectives and supporting standards within the region.
- Unearned - U. S. Environmental Protection Agency
As of January 1, 1976, \$37,039.35 was shown as unearned grant revenue from the prior year. As of December 31, 1976, all U. S. Environmental Protection Agency grants to this fund were recognized as earned and therefore, no unearned portion appears in this statement.
- Unearned - Wisconsin Department of Transportation
The Wisconsin Department of Transportation award for 1976 totaled \$15,990.00. The balance at January 1, 1976 of \$12,346.46 was the unearned 1975 balance of the portion recognized in 1975. As of December 31, 1976, the unearned balance of \$13,239.91 is the unearned balance of the portion recognized as possible 1976 revenue.
- Unearned - Department of Natural Resources
The Department of Natural Resources award for 1976 totaled \$34,960.00. The balance at January 1, 1976 of \$12,346.46 was the unearned 1975 balance of the portion recognized in 1976. As of December 31, 1976, the unearned balance of \$28,543.14 is the unearned balance of the portion recognized as possible 1976 revenue.

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EXHIBIT I-A

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Stream Gaging Program Trust Fund (Note 1)

Statement of Revenues, Expenditures, and Changes in Fund Balance

For the Year Ended December 31, 1976

<u>Revenues</u>		
Counties Contribution (Note 2)	\$ 24,850.00	\$
Interest on Invested Funds	584.60	
<u>Total Revenues</u>		25,434.60
<u>Expenditures</u>		
Services by Other Public Agencies	22,925.00	
<u>Total Expenditures</u>		22,925.00
<u>Excess Revenue over Expenditures</u>		2,509.60
<u>Fund Balance - Beginning of Year</u>		13,738.98
<u>Fund Balance - End of Year</u>		\$ 16,248.58

The notes which follow are an integral part of this statement.

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EXHIBIT I-B

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Stream Gaging Program Trust Fund (Note 1)

Comparative Balance Sheet

	Dec. 31, 1976	Dec. 31, 1975
<u>Assets</u>		
Equity in Treasury Fund	\$ 8,748.58	\$ 10,738.98
Accounts Receivable	7,500.00	3,000.00
<u>Total Assets</u>	\$ 16,248.58	\$ 13,738.98
<u>Liabilities</u>		
Liabilities	-	-
<u>Fund Balance</u>		
Unappropriated Fund Balance	16,248.58	13,738.98
<u>Total Liabilities and Fund Balance</u>	\$ 16,248.58	\$ 13,738.98

The notes which follow are an integral part of this statement.

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Stream Gaging Program Trust Fund

Notes to Financial Statements

December 31, 1976

- The Stream Gaging Program Trust Fund is a trust account administered by the Commission for a cooperative program involving the U. S. Geological Survey, which contributes 50 percent of the cost of the program in the form of staff, services, and the Metropolitan Sewerage Commission of the County of Milwaukee, the Fond du Lac, Ozaukee, Racine, Washington, and Waukesha County Boards of Supervisors, and the University of Wisconsin-Parkside to monitor river flows and provide data essential for the management of the water resources of southeastern Wisconsin.
- The 1976 contributions to the Stream Gaging Program were as follows:

Metropolitan Sewerage Commission of the County of Milwaukee	\$ 9,100.00
University of Wisconsin - Parkside	1,600.00
Fond du Lac County	1,550.00
Waukesha County	3,200.00
Ozaukee County	3,100.00
Washington County	3,100.00
Racine County (Accounts Receivable)	3,200.00
	<u>\$ 24,850.00</u>

The deviation between the adopted 1976 Commission Budget and the actual local contributions for the continuing stream gaging program is due to the difference in the Commission budget year and the U. S. Geological Survey's fiscal year. At the time of the adoption of the Commission budget in June of 1975, the contract amount for the second half of calendar year 1976, which includes the first half of the 1977 federal fiscal year, had not been determined. The contributions by the actual participants therefore may vary by a small amount from the budgeted figures, as the contract amounts for the first half of the new federal fiscal year are determined by the U. S. Geological Survey.

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EXHIBIT J

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

City of Kenosha Base Mapping Program Trust Fund

Balance Sheet

As at December 31, 1976

<u>Assets</u>	
Equity in Treasury	\$ 1,589.00
<u>Total Assets</u>	\$ 1,589.00
<u>Liabilities</u>	
Liabilities	-
<u>Fund Balance</u>	
Unappropriated Fund Balance	1,589.00
<u>Total Liabilities and Fund Balance</u>	\$ 1,589.00

The City of Kenosha Base Mapping Program is a trust account contributed to by the City of Kenosha, to be administered by the Commission for procuring services for the preparation of property boundary line maps.

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EXHIBIT K

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Cedarburg-Grafton Area Sanitary Sewerage Facilities Study Trust Fund

Balance Sheet

As at December 31, 1976

<u>Assets</u>	
Equity in Treasury	\$ 2,400.00
<u>Total Assets</u>	\$ 2,400.00
<u>Liabilities</u>	
Liabilities	-
<u>Fund Balance</u>	
Unappropriated Fund Balance	2,400.00
<u>Total Liabilities and Fund Balance</u>	\$ 2,400.00

The Cedarburg/Grafton Area Sanitary Sewerage Facilities Trust Fund is administered by the Commission for procuring services to provide for sanitary sewerage facilities.

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EXHIBIT L

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION
Washington County Special Monumentation Trust Fund

Balance Sheet

As at December 31, 1976

<u>Assets</u>	
Equity in Treasury	\$ 2,550.00
<u>Total Assets</u>	\$ 2,550.00
<u>Liabilities</u>	
Liabilities	-
<u>Fund Balance</u>	5,550.00
Unappropriated Fund Balance	
<u>Total Liabilities and Fund Balance</u>	\$ 5,550.00

The Washington County Special Monumentation Trust Fund is a trust account contributed to by Washington County, and administered by the Commission for the relocation and monumentation of public land survey corners in Washington County in connection with large scale topographic mapping efforts undertaken by the Commission as a part of its areawide water quality management planning program.

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

EXHIBIT N-A

Continuing Regional Environmental Engineering Planning Program Fund (Note 1)Statement of Revenues, Expenditures, and Changes in Fund Balance

For the Year Ended December 31, 1976

<u>Revenues</u>			
Counties Contributions	\$	\$ 80,254.94	\$
Milwaukee Sewerage Commission		4,832.96	
Other Income			
Non-Data Processing Receipts		290.00	
Interest on Invested Funds		1,723.20	2,013.20
<u>Total Revenues</u>			87,101.10
<u>Expenditures</u>			
<u>Salaries and Fringe Benefits by Divisions</u>			
Executive		1,747.88	
Transportation		164.12	
Land Use and Housing		7.05	
Administrative		986.84	
Cartography		4,091.70	
Planning Research		18.53	
Environmental Planning		49,059.01	
Community Assistance		2,961.88	
<u>Total Salaries and Fringe Benefits</u>			59,037.01
<u>Office and Other Expense</u>			
Service by Other Public Agencies		184.56	
Data Processing Services		13,921.42	
Office Drafting and Duplicating Supplies		134.38	
Reproduction and Publication		1,112.36	
Publication of Report		4,048.00	
Travel Expense		883.72	
Rent Expense		2,549.71	
Telephone Expense		756.16	
Postage Expense		137.71	
Liability and Fire Insurance		109.44	
Audit Expense		317.55	
Office Furniture and Equipment		609.36	
Other Operating Expenses		99.16	
Depreciation Expense		254.01	
Unemployment Compensation Expense		605.91	
Annual Report Publication		251.13	
Printing Costs		487.47	
Auto and Office Equipment Maintenance		216.98	
Indirect - Travel Expense		78.04	
- Office Supplies		224.13	
- Reproduction and Publication		316.25	
- Publication Costs		427.72	
- Newsletter		13.59	
- Postage Expense		293.11	
- Legal Expense		32.22	
<u>Total Office and Other Expenses</u>			28,064.09
<u>Total Expenditures</u>			87,101.10
<u>Excess Revenue over Expenditures</u>			-
<u>Fund Balance - Beginning of Year</u>			-
<u>Fund Balance - End of Year</u>			\$ -

The notes which follow are an integral part of this statement.

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EXHIBIT N-B

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Continuing Regional Environmental Engineering Planning Program Fund (Note 1)Comparative Balance Sheet

	<u>Dec. 31, 1976</u>	<u>Dec. 31, 1975</u>
<u>Assets</u>		
Equity in Treasury Fund	\$ -	\$ 4,500.00
<u>Total Assets</u>	\$ -	\$ 4,500.00
<u>Liabilities</u>		
Accounts Payable	-	4,500.00
Fund Balance	-	-
<u>Total Liabilities and Fund Balance</u>	\$ -	\$ 4,500.00

The Sandstone Aquifer Simulation Modeling Program is a study conducted by the U. S. Geological Survey in cooperation with the Wisconsin Geological and Natural History Survey and the SEWRPC designed to develop a digital computer model of the deep sandstone aquifer underlying the Southeastern Wisconsin Region.

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	<u>December 31, 1976</u>	<u>December 31, 1975</u>
<u>Assets</u>		
Receivables		
Milwaukee Sewerage Commission	\$ 10,000.00	\$ 10,000.00
Less: Unearned Milwaukee		
Sewerage Commission (Note 2)	1,000.00	5,832.96
U. S. Environmental Protection Agency	60,510.81	61,522.59
Less: Unearned U. S. Environmental Protection Agency (Note 3)	60,091.44	419.37
<u>Total Assets</u>	\$ 9,419.37	\$ 4,239.13
<u>Liabilities</u>		
Accounts Payable	3,071.61	462.44
Equity in Treasury Fund	5,916.64	3,776.69
Unearned Contributions - Counties	431.12	-
<u>Total Liabilities</u>	9,419.37	4,239.13
<u>Fund Balance</u>		
Unappropriated Fund Balance	-	-
<u>Total Liabilities and Fund Balance</u>	\$ 9,419.37	\$ 4,239.13

The notes which follow are an integral part of this statement.

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Continuing Regional Environmental Engineering Planning Program Fund

Notes to Financial Statements

December 31, 1976

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Kinnickinnic River Watershed Study Fund (Note 1)

Comparative Balance Sheet

- The Continuing Regional Environmental Engineering Planning Program is a continuing program conducted to provide for the protection and enhancement of the environment through the implementation of adopted watershed and regional sanitary sewerage system plans, preparation and compilation of floodland data, and water quality related research efforts.
- Unearned - Milwaukee Sewerage Commission
As of January 1, 1976, \$5,832.96 was shown as unearned grant revenue from the prior year. As of December 31, 1976, \$4,832.96 was earned, and \$1,000.00 remained to be earned.
- Unearned - U. S. Environmental Protection Agency
As of January 1, 1976, \$61,450.50 was shown as unearned grant revenue from the prior year. As of December 31, 1976, \$1,359.06 was earned, and \$60,091.44 remained to be earned.

* * * * *

	December 31, 1976	December 31, 1975
<u>Assets</u>		
Equity in Treasury	\$ 52,305.75	\$ 13,891.79
Accounts Receivable		
Net Earned Federal Grants - HUD (Note 2)	9,452.44	-
Non-Federal Wis. Dept. of Natural Resources	27,500.00	-
Less: Unearned Wisc. Dept. of Natural Resources (Note 3)	54,483.24	(26,983.24)
	-	-
<u>Total Assets</u>	<u>\$ 34,774.95</u>	<u>\$ 13,891.79</u>
<u>Liabilities</u>		
Accounts Payable	29,926.28	-
Unearned - Milwaukee County	4,456.88	13,500.00
<u>Total Liabilities</u>	<u>34,383.16</u>	<u>13,500.00</u>
<u>Fund Balance</u>		
<u>Fund Balance</u>	<u>391.79</u>	<u>391.79</u>
<u>Total Liabilities and Fund Balance</u>	<u>\$ 34,774.95</u>	<u>\$ 13,891.79</u>

The notes which follow are an integral part of this statement.

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EXHIBIT O-A

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Kinnickinnic River Watershed Study Fund (Note 1)

Statement of Revenues, Expenditures, and Changes in Fund Balance

For the Year Ended December 31, 1976

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Kinnickinnic River Watershed Study Fund

Notes to Financial Statements

December 31, 1976

<u>Revenues</u>			
<u>Federal Grants</u>			
Dept. of Housing and Urban Development	\$	\$ 27,000.00	\$
<u>State Grants</u>			
Wisc. Dept. of Natural Resources		17,516.76	
Counties Contributions		9,043.12	
<u>Other Income</u>			
Interest on Invested Funds		1,147.85	
<u>Total Revenues</u>			54,707.73
<u>Expenditures</u>			
<u>Salaries and Fringe Benefits by Division</u>			
Executive	512.00		
Administrative	92.95		
Cartography	10.48		
Planning Research	857.09		
Environmental Planning	16,743.77		
<u>Total Salaries and Fringe Benefits</u>		18,216.29	
<u>Office and Other Expense</u>			
Technical Consultants	27,990.00		
Outside Salaries and Services	1,510.05		
Data Processing Services	4,448.25		
Annual Report Publication	77.87		
Printing Costs	151.14		
Travel Expense	160.89		
Office Furniture and Equipment	188.93		
Postage Expense	1.52		
Unemployment Compensation Expense	187.87		
Rent Expense	498.50		
Telephone Expense	234.45		
Liability and Fire Insurance	33.93		
Audit Expense	98.46		
Project Inspection Fees	225.00		
Auto and Office Equipment Maintenance	67.27		
Depreciation on Auto and Equipment	78.75		
Other Operating Expense	109.11		
Indirect - Travel Expense	24.20		
- Office Supplies	69.49		
- Reproduction and Publication	98.06		
- Publication Costs	132.62		
- Newsletter	4.21		
- Postage Expense	90.88		
- Legal Expense	9.99		
<u>Total Office and Other Expense</u>		36,491.44	
<u>Total Expenditures</u>			54,707.73
<u>Excess Revenue over Expenditures</u>			
<u>Fund Balance - Beginning of year</u>			391.79
<u>Fund Balance - End of Year</u>			\$ 391.79

The notes which follow are an integral part of this statement.

* * * * *

- The Kinnickinnic River Watershed Planning Program is a study to develop a workable plan to guide the staged development of multi-purpose water control facilities and related land use and resource conservation and management programs within the Kinnickinnic River watershed.
- Net Earned Federal Grants - Department of Housing and Urban Development
The Kinnickinnic River Watershed Planning Program Fund was awarded a grant from the Department of Housing and Urban Development in the amount of \$27,000.00 out of a total award to all funds of \$276,682.00 during 1976. As of December 31, 1976, the Department of Housing and Urban Development grant to this fund was recognized as earned, and therefore, no unearned portion appears in this statement.
- Unearned Grants - Wisconsin Department of Natural Resources
The Wisconsin Department of Natural Resources awarded the Kinnickinnic River Watershed Planning Program Fund \$72,000.00 during 1976. As of December 31, 1976, \$17,516.76 was recognized as revenue and \$54,483.24 remained to be earned.

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Menomonee River Pilot Watershed Study Fund

Menomonee River Pilot Watershed Study Fund (Note 1)

Notes to Financial Statements

Statement of Revenues, Expenditures and Changes in Fund Balance

December 31, 1976

For the Year Ended December 31, 1976

Revenues			
U. S. Environmental Protection Agency	\$	\$ 60,934.57	
Wisc. Dept. of Natural Resources		<u>3,207.08</u>	
Total Revenues			64,141.65
Expenditures			
Salaries and Fringe Benefits by Divisions			
Executive		996.80	
Land Use and Housing		62.46	
Administrative		41.47	
Cartography		23.91	
Environmental Planning		34,203.29	
Community Assistance		<u>274.55</u>	
Total Salaries and Fringe Benefits			35,602.48
Office and Other Expense			
Outside Salaries and Services		1,650.10	
Data Processing Services		20,106.24	
Office Drafting and Duplicating Supplies		142.13	
Reproduction and Publication		140.17	
Travel Expense		1,561.30	
Rent Expense		1,917.86	
Telephone Expense		456.23	
Postage Expense		8.62	
Liability and Fire Insurance		66.03	
Audit Expense		191.59	
Printing Costs		294.12	
Depreciation Expense		153.26	
Unemployment Compensation Expense		365.58	
Annual Report Publication		151.52	
Office Furniture and Equipment		367.66	
Auto and Office Equipment Maintenance		130.91	
Other Operating Expenses		.17	
Indirect - Travel Expense		47.08	
- Office Supplies		135.23	
- Reproduction & Publication		190.81	
- Publication Costs		258.07	
- Newsletter		8.20	
- Postage Expense		176.85	
- Legal Expense		19.44	
Total Office and Other Expense		<u>28,539.17</u>	
Total Expenditures			64,141.65
Excess Revenue over Expenditures			-
Fund Balance - Beginning of Year			-
Fund Balance - End of Year		\$	<u>-</u>

The notes which follow are an integral part of this statement.

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EXHIBIT P-B

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Menomonee River Pilot Watershed Study Fund (Note 1)

Comparative Balance Sheet

Assets	December 31, 1976	December 31, 1975	
Receivables			
Non-Federal - U.S. Environmental Protection Agency	\$ 52,118.35	\$ 27,637.05	\$
Less: Unearned U.S. Environmental Protection Agency (Note 2)	<u>30,845.62</u>	<u>5,140.19</u>	22,496.86
Non-Federal - Wisc. Dept. of Natural Resources	2,743.09	1,454.60	
Less: Unearned Wisc. Dept. of Natural Resources (Note 3)	<u>1,623.46</u>	<u>270.54</u>	<u>1,124.06</u>
Total Assets	\$ 22,392.36	\$ 23,680.92	
Liabilities			
Accounts Payable	78.95	1,387.79	
Equity in Treasury Fund	<u>22,313.41</u>	<u>22,293.13</u>	
Total Liabilities	22,392.36	23,680.92	
Fund Balance			
Unappropriated Fund Balance	-	-	
Total Liabilities and Fund Balance	\$ 22,392.36	\$ 23,680.92	

The notes which follow are an integral part of this statement.

* * * * *

1. The Menomonee River Pilot Watershed Study is a study to determine the level and quantities of pollutants, define the sources and evaluate the impact of urban pollutants, and develop the capability to extend the findings to other settings in the Great Lakes Basin.

2. Unearned-U. S. Environmental Protection Agency

The U. S. Environmental Protection Agency award for 1976 totaled \$86,640.00. The balance at January 1, 1976 of \$5,140.19 was the unearned 1975 balance of the portion recognized in 1975. As of December 31, 1976, \$60,934.57 was earned, and \$30,845.62 remained to be earned.

3. Unearned - Wisconsin Department of Natural Resources

The Wisconsin Department of Natural Resources award for 1976 totaled \$4,560.00. The balance at January 1, 1976 of \$270.54 was the unearned 1975 balance of the portion recognized in 1975. As of December 31, 1976, \$3,207.08 was earned, and \$1,623.46 remained to be earned.

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EXHIBIT Q-A

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Coastal Zone Management Planning Program Fund (Note 1)

Statement of Revenues, Expenditures, and Changes in Fund Balance

For the Year Ended December 31, 1976

Revenues			
U.S. Dept. of Commerce	\$	\$ 24,637.99	\$
Wisc. Dept. of Local Affairs and Development (Note 2)		3,000.00	
Contribution from General Fund		<u>5,766.41</u>	
Total Revenues			33,404.40
Expenditures			
Salaries and Fringe Benefits by Divisions			
Executive		11,304.32	
Land Use and Housing		3,490.03	
Administrative		852.46	
Cartography		207.26	
Planning Research		1.91	
Environmental Planning		10,452.44	
Community Assistance		<u>2,129.57</u>	
Total Salaries and Fringe Benefits			28,438.01
Office and Other Expense			
Technical Consultants and Data			
Processing Services		67.81	
Office Drafting and Duplicating Supplies		40.74	
Reproduction and Publication		91.25	
Travel Expense		746.69	
Rent Expense		1,461.57	
Telephone Expense		365.41	
Postage Expense		24.04	
Liability and Fire Insurance		52.89	
Audit Expense		153.45	
Depreciation Expense		122.75	
Unemployment Compensation Expense		292.80	
Outside Salaries and Services		46.25	
Annual Report Publication		121.36	
Printing Costs		235.57	
Office Furniture and Equipment		294.47	
Auto and Office Equipment Maintenance		104.85	
Other Operating Expenses		75.17	
Indirect - Travel Expense		37.71	
- Office Supplies		108.31	
- Reproduction and Publication		152.83	
- Publication Costs		206.69	
- Newsletter		6.57	
- Postage Expense		141.64	
- Legal Expense		15.57	
Total Office and Other Expense		<u>4,966.39</u>	
Total Expenditures			33,404.40
Excess Revenue over Expenditures			-
Fund Balance - Beginning of Year			-
Fund Balance - End of Year		\$	<u>-</u>

The notes which follow are an integral part of this statement.

* * * * *

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Coastal Zone Management Planning Program Fund (Note 1)

Comparative Balance Sheet

	December 31, 1976	December 31, 1975
Assets		
Equity in Treasury Fund	\$ -	\$ 7,956.06
Receivables		
U. S. Dept. of Commerce	32,316.06	8,592.07
Less: Unearned U. S. Dept. of Commerce (Note 3)	19,704.30	3,932.29
	12,611.76	4,659.78
Total Assets	\$ 12,611.76	\$ 12,615.84
Liabilities		
Accounts Payable	275.92	12,615.84
Equity in Treasury Fund	12,335.84	-
Total Liabilities	12,611.76	12,615.84
Fund Balance		
Unappropriated Fund Balance	-	-
Total Liabilities and Fund Balance	\$ 12,611.76	\$ 12,615.84

The notes which follow are an integral part of this statement.

* * * * *

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Coastal Zone Management Planning Program Fund

Notes to Financial Statements

December 31, 1976

- The Coastal Zone Management Planning Program is a program to develop data and provide information relating to controlling shoreline erosion, encroachment on ecologically sensitive areas, waterfront blight and flooding problems, as well as the demand for public access, recreational use and further port development along the southeastern Wisconsin lakeshore.

- Wisconsin Department of Local Affairs and Development

The Coastal Zone Management Planning Program Fund 1976 award was \$3,000.00 which represents a portion of the total Southeastern Wisconsin Regional Planning Commission award of \$80,252.86 from the Wisconsin Department of Local Affairs and Development.

- Unearned - U. S. Department of Commerce

The Coastal Zone Management Planning Program Fund was awarded two grants from the Wisconsin Department of Administration for U. S. Department of Commerce funds, in the amount of \$40,500.00. As of January 1, 1976, \$3,932.29 was shown as unearned grant revenue from the prior year. As of December 31, 1976 \$20,705.70 was earned, and \$19,794.30 remained to be earned.

* * * * *

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Arcawide Water Quality Management Planning Program Fund (Note 1)

Statement of Revenues, Expenditures, and Changes in Fund Balance

For the Year Ended December 31, 1976

Revenues			
U. S. Environmental Protection Agency	\$	\$904,109.46	\$
Other Income			
Interest on Invested Funds		2,183.23	
Total Revenues			906,292.69
Expenditures			
Salaries and Fringe Benefits by Divisions			
Executive		16,758.81	
Transportation		158.94	
Land Use and Housing		45,126.19	
Administrative		22,765.11	
Cartography		40,117.47	
Planning Research		11,346.74	
Environmental Planning		261,821.91	
Community Assistance		24,576.42	
Total Salaries and Fringe Benefits			422,671.59
Office and Other Expense			
Outside Salaries and Services		55,878.80	
Data Processing Services		80,986.82	
Office Drafting & Duplicating Supplies		3,018.02	
Technical Consultants		130,485.00	
Services by Other Public Agencies		127,015.77	
Annual Report Publication		1,800.04	
Publication of Report		5,752.85	
Printing Costs		3,494.02	
Library Acquisitions and Dues		460.00	
Reproduction and Publication		8,146.75	
Travel Expense		6,429.04	
Office Furniture and Equipment		9,839.93	
Rent Expense		19,155.83	
Telephone Expense		5,419.85	
Postage Expense		147.10	
Liability and Fire Insurance		784.43	
Audit Expense		2,276.03	
Auto and Office Equipment Maintenance		1,555.19	
Other Operating Expenses		2,701.23	
Depreciation Expense		1,820.61	
Unemployment Compensation Expense		4,342.94	
Indirect - Travel Expense		559.33	
- Office Supplies		1,606.48	
- Reproduction and Publication		2,266.78	
- Publication Costs		3,065.72	
- Newsletter		97.44	
- Postage Expense		2,100.93	
- Legal Expense		230.94	
Total Office and Other Expense			481,437.87
Total Expenditures			904,109.46
Excess Revenue over Expenditures			2,183.23
Fund Balance - Beginning of Year			4,369.73
Fund Balance - End of Year			\$ 6,552.96

The notes which follow are an integral part of this statement.

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EXHIBIT R-B

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Arcawide Water Quality Management Planning Program Fund (Note 1)

Comparative Balance Sheet

	December 31, 1976	December 31, 1975
Assets		
Equity in Treasury Fund	\$ 55,631.73	\$ 111,232.19
Receivables		
U. S. Environmental Protection Agency	1,575,216.00	2,346,300.00
Less: Unearned U. S. Environmental Protection Agency (Note 2)	1,547,593.42	2,451,702.88
	27,622.58	(105,402.88)
Total Assets	\$ 83,254.31	\$ 5,829.31
Liabilities		
Accounts Payable	76,701.35	1,459.58
Total Liabilities	76,701.35	1,459.58
Fund Balance		
Unappropriated Fund Balance	6,552.96	4,369.73
Total Liabilities and Fund Balance	\$ 83,254.31	\$ 5,829.31

The notes which follow are an integral part of this statement.

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

EXHIBIT T-A

Areawide Water Quality Management Planning Program Fund

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Unemployment Compensation Fund

Notes to Financial Statements

Statement of Revenues, Expenditures, and Changes in Fund Balance

December 31, 1976

For the Year Ended December 31, 1976

- The Areawide Water Quality Management Planning Program is a program to prepare an areawide waste water treatment and water quality plan for southeastern Wisconsin.
- Unearned - U. S. Environmental Protection Agency
As of January 1, 1976, \$2,451,702.88 was shown as unearned grant revenue from the prior year. As of December 31, 1976, \$904,109.46 was earned, and \$1,547,593.42 remained to be earned.

* * * * *

Revenues

Other Income

Income from Unemployment Compensation Charges to Other Funds	\$	\$ 16,924.94
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Total Revenues

16,924.94

Expenditures

Unemployment Compensation Expense

4,196.28

Total Expenditures

4,196.28

Excess Revenue over Expenditures

12,728.66

Fund Balance - Beginning of Year

9,759.80

Fund Balance - End of Year

\$ 22,488.46

EXHIBIT S-A

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

* * * * *

Equipment Account

Statement of Revenues, Expenditures, and Changes in Fund Balance

For the Year Ended December 31, 1976

Revenues

Rental Usage Charge	\$ 6,240.90	\$
Contribution from General Fund	7,850.48	
Total Revenues		14,091.38

Expenditures

Depreciation Expense	7,095.16	
Total Expenditures	7,095.16	
Excess Revenue over Expenditures		6,996.22

Fund Balance - Beginning of Year

46,808.02

Fund Balance - End of Year

\$ 53,804.24

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EXHIBIT S-B

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Equipment Account

Balance Sheet

As at December 31, 1976

Assets		
Desks	\$ 12,852.55	\$ 5,706.42
Less: Allowance for Depreciation	7,146.13	
Chairs	7,006.42	
Less: Allowance for Depreciation	5,032.92	1,973.50
Calculator and Adding Machine	8,630.00	
Less: Allowance for Depreciation	5,252.63	3,377.37
Filing Cabinets	14,117.10	
Less: Allowance for Depreciation	10,053.42	4,063.68
Typewriter and Dictating Equipment	10,601.81	
Less: Allowance for Depreciation	4,310.24	6,291.57
Bookcases and Shelves	8,305.18	
Less: Allowance for Depreciation	2,782.05	5,523.13
Tables	5,482.99	
Less: Allowance for Depreciation	3,353.22	2,129.77
Other Major Equipment	15,267.51	
Less: Allowance for Depreciation	4,162.20	11,105.31
Autos	22,723.06	
Less: Allowance for Depreciation	9,948.23	12,774.83
Miscellaneous	1,810.12	
Less: Allowance for Depreciation	951.46	858.66
Total Assets		\$ 53,804.24
Fund Balance		\$ 53,804.24

Method of Depreciation

Autos are depreciated over five (5) years on the straight-line method with a 10% salvage value used.

Equipment is depreciated over ten (10) years on the straight-line method.

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

EXHIBIT T-B

Unemployment Compensation Fund

Comparative Balance Sheet

	Dec. 31, 1976	Dec. 31, 1975
Assets		
Equity in Treasury Fund	\$ 22,488.46	\$ 9,759.80
Total Assets	\$ 22,488.46	\$ 9,759.80
Liabilities		
Fund Balance		
Unappropriated Fund Balance	22,488.46	9,759.80
Total Liabilities and Fund Balance	\$ 22,488.46	\$ 9,759.80

* * * * *

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

Treasury Cash Fund

Balance Sheet

As at December 31, 1976

<u>Assets</u>		
Treasurer's Cash Account	\$	\$ 34,648.82
Treasurer's Savings Account		123,872.99
Treasurer's Investments (Note 1)		100,000.00
		258,521.81
Accounts Receivable - Overdrafts		
Due from - Continuing Regional Land Use -		
Transportation Study Fund	103,927.33	
- Menomonee River Watershed		
Planning Program Fund	10,215.91	
- Continuing Regional Environmental		
Engineering Planning Program Fund	5,916.64	
- Regional Air Quality Maintenance		
Planning Program Fund	9,828.57	
- Menomonee River Pilot Watershed		
Study Fund	22,313.41	
- General Mitchell Field		
Master Plan Study Fund	876.43	
- Coastal Zone Management		
Planning Program Fund	12,245.84	165,324.13
<u>Total Assets</u>		<u>\$423,845.94</u>
<u>Liabilities</u>		
Due to - General Fund	273,568.31	
- Regional Housing Study Fund	1,355.90	
- Regional Park Outdoor Recreation,		
and Related Open Space		
Planning Program Fund	208.21	
- Stream Gaging Program Trust Fund	8,748.58	
- Area-wide Water Quality		
Management Planning Program Fund	55,631.73	
- Kinnickinnic River Watershed		
Planning Program Fund	52,305.75	
- Unemployment Compensation Fund	22,488.46	
- Kenosha County Base Mapping		
Program Fund	1,589.00	
- Cedarburg, Grafton Sanitary		
Severage Fund	2,400.00	
- Washington County Special Monumentation Trust Fund	5,550.00	
<u>Total Liabilities</u>		<u>\$423,845.94</u>

The note which follows is an integral part of this statement.

* * * * *

Treasury Cash Fund

Note to Financial Statement

December 31, 1976

1. A contingency fund has been designated to help offset an anticipated cash flow problem in December, 1977 when the 208 Planning Program will be completed. The U. S. Environmental Protection Agency will withhold 10 percent of the total grant pending approval of the program and final audit. The Commission Treasurer was authorized to invest the fund in U. S. Treasury Notes held in an escrow account specifying the anticipated use.

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