



UNIVERSITY OF WISCONSIN NATURE AREA

PARIS BRISTOL

DES CREEK

WOODWORTH

PLAINES

BRISTOL WOODS PARK

GEORGE LAKE

PIKEVILLE BRISTOL

WISCONSIN ILLINOIS

**AMENDMENT TO THE**

**REGIONAL WATER QUALITY**

**MANAGEMENT PLAN**

**TOWN OF BRISTOL**

AS ADOPTED BY THE

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

SEPTEMBER 1997

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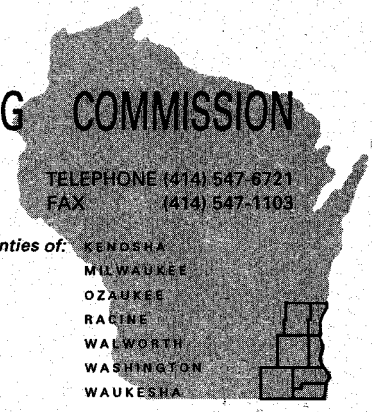
**SOUTHEASTERN WISCONSIN REGIONAL  
PLANNING COMMISSION STAFF**

Philip C. Evenson, AICP ..... Executive Director  
Kenneth R. Yunker, PE ..... Assistant Director  
Robert P. Biebel, PE ..... Chief Environmental Engineer  
Monica C. Drewniany, AICP ..... Chief Community Assistance Planner  
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Donald R. Martinson, PE ..... Chief Transportation Engineer  
John G. McDougall ..... Geographic Information Systems Manager  
John R. Meland ..... Chief Economic Development Planner  
Bruce P. Rubin ..... Chief Land Use Planner

# SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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**SUBJECT:** Certification of Amendment to the Adopted Regional Water Quality Management Plan (Bristol Sewer Service Area)

**TO:** The Legislative Bodies of Concerned Local Units of Government within the Southeastern Wisconsin Region, namely: the County of Kenosha and the Town of Bristol

This is to certify that at the quarterly meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Racine County Ives Grove Office Complex, Sturtevant, Wisconsin, on the 10th day of September 1997, the Commission did by unanimous vote by all Commissioners present, being 16 ayes and 0 nays, and by appropriate Resolution, a copy of which is made a part hereof and incorporated by reference to the same force and effect as if it had been specifically set forth herein in detail, adopt an amendment to the regional water quality management plan, which plan was originally adopted by the Commission on the 12th day of July 1979, as part of the master plan for the physical development of the Region. Said amendment to the regional water quality management plan pertains to the revised Bristol sanitary sewer service area and consists of the documents attached hereto and made a part hereof. Such action taken by the Commission is recorded on, and is a part of, said plan, and the plan as amended is hereby transmitted to the constituent local units of government for consideration, adoption, and implementation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal and cause the Seal of the Southeastern Wisconsin Regional Planning Commission to be hereto affixed. Dated at the City of Waukesha, Wisconsin, this 11th day of September 1997.

Thomas H. Buestrin, Chairman  
Southeastern Wisconsin  
Regional Planning Commission

ATTEST:

Philip C. Evenson, Deputy Secretary

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**RESOLUTION NO. 97-12**

**RESOLUTION OF THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION AMENDING THE ADOPTED REGIONAL WATER QUALITY MANAGEMENT PLAN, THAT PLAN BEING A PART OF THE MASTER PLAN FOR THE PHYSICAL DEVELOPMENT OF THE REGION COMPRISED OF THE COUNTIES OF KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH WASHINGTON, AND WAUKESHA IN THE STATE OF WISCONSIN (BRISTOL SANITARY SEWER SERVICE AREA)**

WHEREAS, pursuant to Section 66.945(10) of the Wisconsin Statutes, the Southeastern Wisconsin Regional Planning Commission, at a meeting held on the 12th day of July 1979, duly adopted a regional water quality management plan as documented in the three-volume SEWRPC Planning Report No. 30, A Regional Water Quality Management Plan for Southeastern Wisconsin: 2000; and

WHEREAS, at a meeting held on the 1st day of December 1986, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Bristol sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 145, Sanitary Sewer Service Area for the Town of Salem Utility District No. 1, Village of Paddock Lake, and Town of Bristol Utility District Nos. 1 and 1B, Kenosha County, Wisconsin, dated October 1986, as amended; and

WHEREAS, by letter dated July 24, 1997, the Town of Bristol requested that the Commission amend the Bristol sanitary sewer service area to include certain lands located outside of the currently adopted sewer service area; and

WHEREAS, the proposed amendment to the regional water quality management plan is documented in a Commission staff memorandum entitled, "Response to Request by the Town of Bristol to Amend the Bristol Sanitary Sewer Service Area," attached hereto and made a part hereof, which memorandum concludes that the plan amendment requested by the Town of Bristol is sound and in the public interest; and

WHEREAS, the requested change to the regional water quality management plan, as documented in the aforementioned staff memorandum, was the subject of a public hearing held jointly by the Town of Bristol and the Regional Planning Commission on August 26, 1997; and

WHEREAS, Section 66.945(9) of the Wisconsin Statutes authorizes and empowers the Regional Planning Commission, as the work of making the whole master plan progresses, to amend, extend, or add to the master plan or carry any part or subject thereof into greater detail;

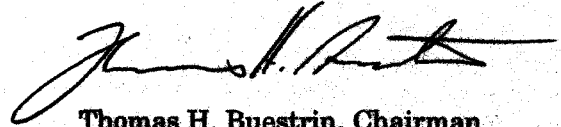
**NOW, THEREFORE, BE IT HEREBY RESOLVED:**

**FIRST:** That the regional water quality management plan for the Southeastern Wisconsin Region, being a part of the master plan for the physical development of the Region and comprised of SEWRPC Planning Report No. 30, Volumes One, Two, and Three, which was adopted by the Commission as a part of the master plan on the 12th day of July 1979, and which was amended on the 1st day of December 1986 to include the refined Bristol sanitary sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 145, be, and the same hereby is, amended in the manner identified on Map 1 of the aforementioned SEWRPC Staff Memorandum.

**SECOND:** That the Executive Director is authorized to submit findings to the Wisconsin Department of Natural Resources and the Wisconsin Department of Commerce that public and private sanitary sewer extensions necessary to serve the anticipated development on the lands concerned are in conformance with, and would serve to implement, the adopted regional water quality management plan as herein amended.

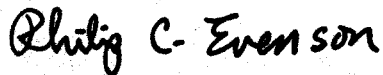
**THIRD:** That a true, correct, and exact copy of this resolution, together with the aforereferenced SEWRPC staff memorandum, shall be forthwith distributed to each of the local legislative bodies of the local governmental units within the Region entitled thereto and to such other bodies, agencies, or individuals as the law may require or as the Commission, its Executive Committee, or its Executive Director, at their discretion, shall determine and direct.

The foregoing resolution, upon motion duly made and seconded, was regularly adopted at the meeting of the Southeastern Wisconsin Regional Planning Commission held on the 10th day of September 1997, the vote being: Ayes 16; Nays 0.



**Thomas H. Buestrin, Chairman**

**ATTEST:**



**Philip C. Evenson, Deputy Secretary**

## **SEWRPC STAFF MEMORANDUM**

### **RESPONSE TO REQUEST BY THE TOWN OF BRISTOL TO AMEND THE BRISTOL SANITARY SEWER SERVICE AREA**

#### **INTRODUCTION AND BACKGROUND**

By letter dated July 24, 1997, the Town of Bristol requested that the Southeastern Wisconsin Regional Planning Commission amend the Bristol sanitary sewer service area as that area is currently documented in SEWRPC Community Assistance Planning Report No. 145, Sanitary Sewer Service Area for the Town of Salem Utility District No. 1, Village of Paddock Lake, and Town of Bristol Utility District Nos. 1 and 1B, Kenosha County, Wisconsin, dated October 1986, as amended. The basic purpose of the amendment would be to include within the planned Bristol sewer service area certain lands located immediately adjacent to, but outside of, the currently adopted sewer service area to accommodate lands anticipated to be developed for residential use. The Regional Planning Commission recognizes that, like other long-range plans, sanitary sewer service area plans should be periodically reviewed to assure that the plans continue to properly reflect regional and local development objectives.

#### **AREA DESCRIPTION**

As shown on Map 1, the areas proposed to be added to the Bristol sanitary sewer service area encompass approximately 131 acres and are located in U. S. Public Land Survey Section 8, Township 1 North, Range 21 East, Town of Bristol, Kenosha County, Wisconsin. Together, the areas comprise about 0.2 square mile, or about 9 percent of the currently adopted Bristol sewer service area as set forth in SEWRPC Community Assistance Planning Report No. 145, as amended.

About 65 acres of the proposed addition located in the northwest one quarter of Section 8 are currently devoted to agricultural land uses. An additional 18 acres comprise an isolated natural resource area. It is envisioned that the land currently in agricultural uses will be developed for residential uses that will accommodate 31 housing units.

The proposed addition in the southeast one quarter of Section 8 encompasses about 48 acres, consisting of 34 acres of isolated natural resource area, 1 acre of existing residential development, and 13 acres of land used for agricultural purposes. It is anticipated that the 13 acres in agricultural use would be developed for residential purposes at a density of 2.2 housing units per gross acre of land, consistent with the Town of Bristol land use plan as documented in "Town of Bristol Land Use Plan," prepared by Lane Kendig, Inc., August 1992. While a detailed subdivision layout has not been prepared for this area, the Town land use plan envisions that such lands would accommodate about 29 housing units.

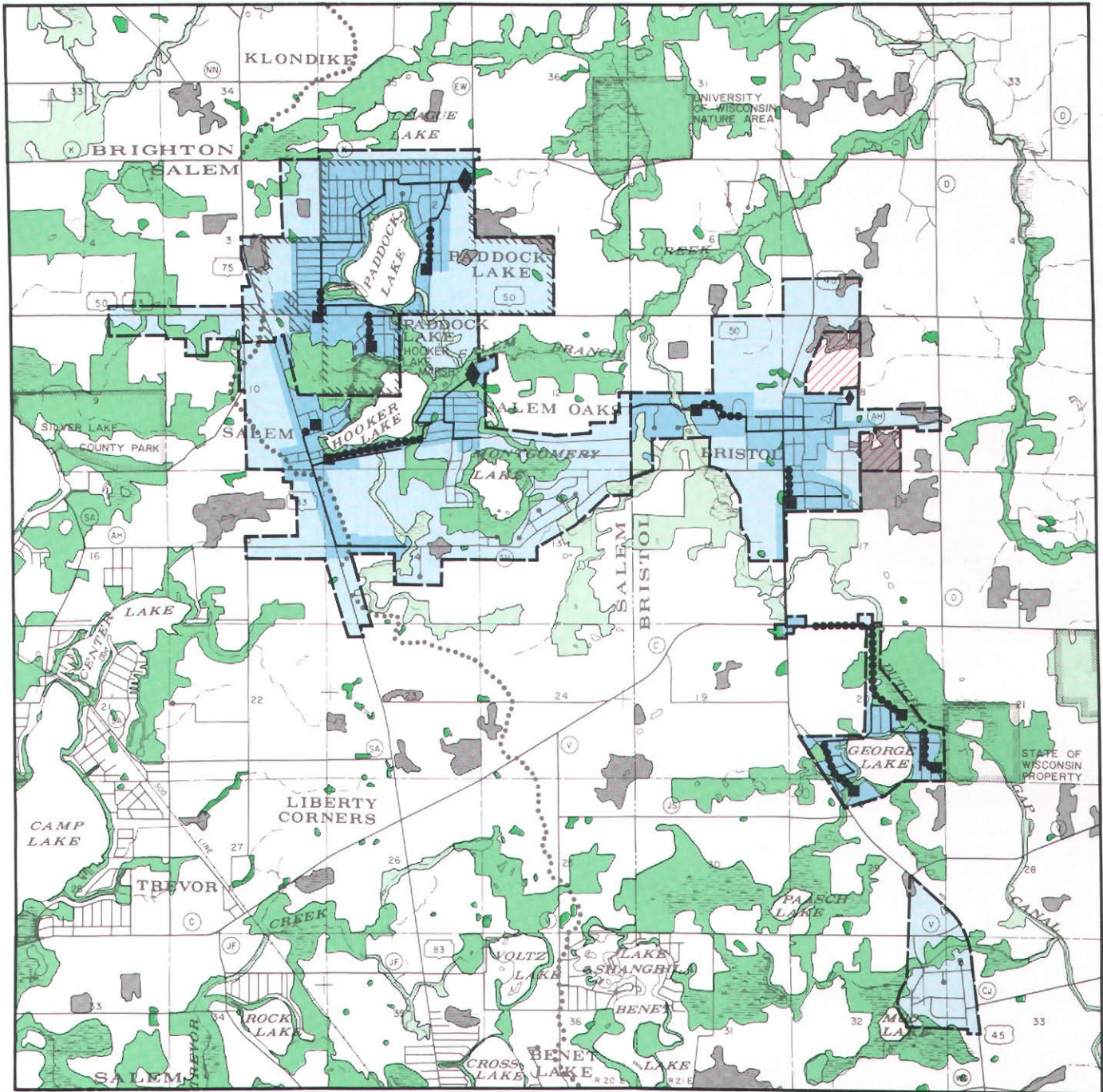
#### **RELATIONSHIP OF THE PROPOSED CHANGE TO THE EXISTING SANITARY SEWER SERVICE AREA**

The year 2010 Bristol sanitary sewer service area as revised to include the subject areas would encompass 2.5 square miles and would include about 0.3 square mile of primary environmental corridor, less than 0.1 square mile of secondary environmental corridor, and about 0.2 square mile of isolated natural resource area. In addition, there is less than 0.1 square mile of land encompassed within wetlands less than five acres in size. Thus, about 0.6 square mile, or about 24 percent, of the revised sewer service area would be comprised of environmentally significant lands. The proposed revised sewer service area is envisioned to accommodate about 740 housing units with a population of 2,215 persons. These population and household forecasts lie within the recommended range for the Bristol area of the Region identified in the adopted regional land use and regional water quality management plans.



Map 1

RECOMMENDED REVISIONS TO THE BRISTOL SANITARY SEWER SERVICE AREA

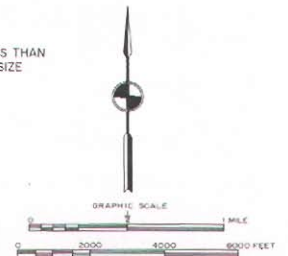


LEGEND

- PRIMARY ENVIRONMENTAL CORRIDOR
- SECONDARY ENVIRONMENTAL CORRIDOR
- ISOLATED NATURAL AREA
- NET SANITARY SEWER SERVICE AREA (EXISTING)
- NET SANITARY SEWER SERVICE AREA (2000)

- GROSS SANITARY SEWER SERVICE AREA BOUNDARY
- EXISTING SEWAGE TREATMENT FACILITY
- EXISTING LIFT STATION
- EXISTING FORCE MAIN
- EXISTING TRUNK SEWER
- LANDS TO BE ADDED TO THE BRISTOL SANITARY SEWER SERVICE AREA

- WETLANDS LESS THAN FIVE ACRES IN SIZE



Source: SEWRPC.



## **WATER QUALITY IMPACTS**

It is envisioned that all urban lands planned to be located within the subject area would receive sanitary sewer service. The lands to be added to the Bristol sewer service area are proposed to be developed for residential uses. Assuming proper site development and construction practices, including appropriate construction soil erosion and permanent nonpoint source control practices, there should be no significant adverse water quality impacts attributable to the development of the subject area.

## **COST-EFFECTIVENESS ANALYSIS**

The lands in question lie immediately adjacent to the currently approved Bristol sanitary sewer service area. The nearest other public sanitary sewer system, the Town of Salem system, is located approximately one mile west of the subject area. Consequently, no further analyses were deemed to be required to conclude that the subject area would be sewered most cost-effectively through the public sewers tributary to the Town of Bristol sewerage system.

## **SEWAGE TREATMENT PLANT CAPACITY IMPACT ANALYSIS**

The existing Town of Bristol Utility District No. 1 sewage treatment plant has a hydraulic design capacity of 0.48 million gallons per day (mgd) on an average annual flow basis. The current loading to the plant is about 0.40 mgd on an average annual basis. Of the current loading, a portion is attributable to holding tank wastewater which is trucked to the plant. This loading could be eliminated if plant capacity problems occur. The anticipated sewage flow to be generated in the area proposed to be added to the Bristol sewer service area may be expected to approximate 0.02 mgd on an average annual basis upon full development. The Town is currently beginning a facility planning program for upgrading and expanding the sewage treatment plant.

## **PUBLIC REACTION TO THE PLAN AMENDMENT**

A public hearing was held on August 26, 1997, at the Bristol Town Hall to receive public comment on, and reaction to, the proposed plan amendment. The hearing was sponsored by the Town of Bristol and the Regional Planning Commission.

A summary of the findings and recommendations of the revised Bristol sanitary sewer service area plan was presented prior to receiving public comment. Topics specifically addressed in the summary presentation included the rationale for revising the Bristol sanitary sewer service area, the importance of the delineation of the outer boundaries of the sewer service area, and the importance of the delineation of the environmentally sensitive lands within the service areas and the significance of these lands insofar as the future extension of sewer service is concerned. In addition, it was noted that an environmental analysis of the proposed changes by the Wisconsin Department of Natural Resources would be required. Comments on the revised plan were then solicited.

A review of the hearing record indicates that no substantive concerns were raised at the hearing. Accordingly, no changes were made to the proposed plan amendment as presented at the public hearing as reflected on Map 1.

## **LOCAL GOVERNMENT SUPPORT FOR THE PLAN AMENDMENT**

The Town Board of Supervisors of the Town of Bristol adopted the proposed plan amendment on September 8, 1997.

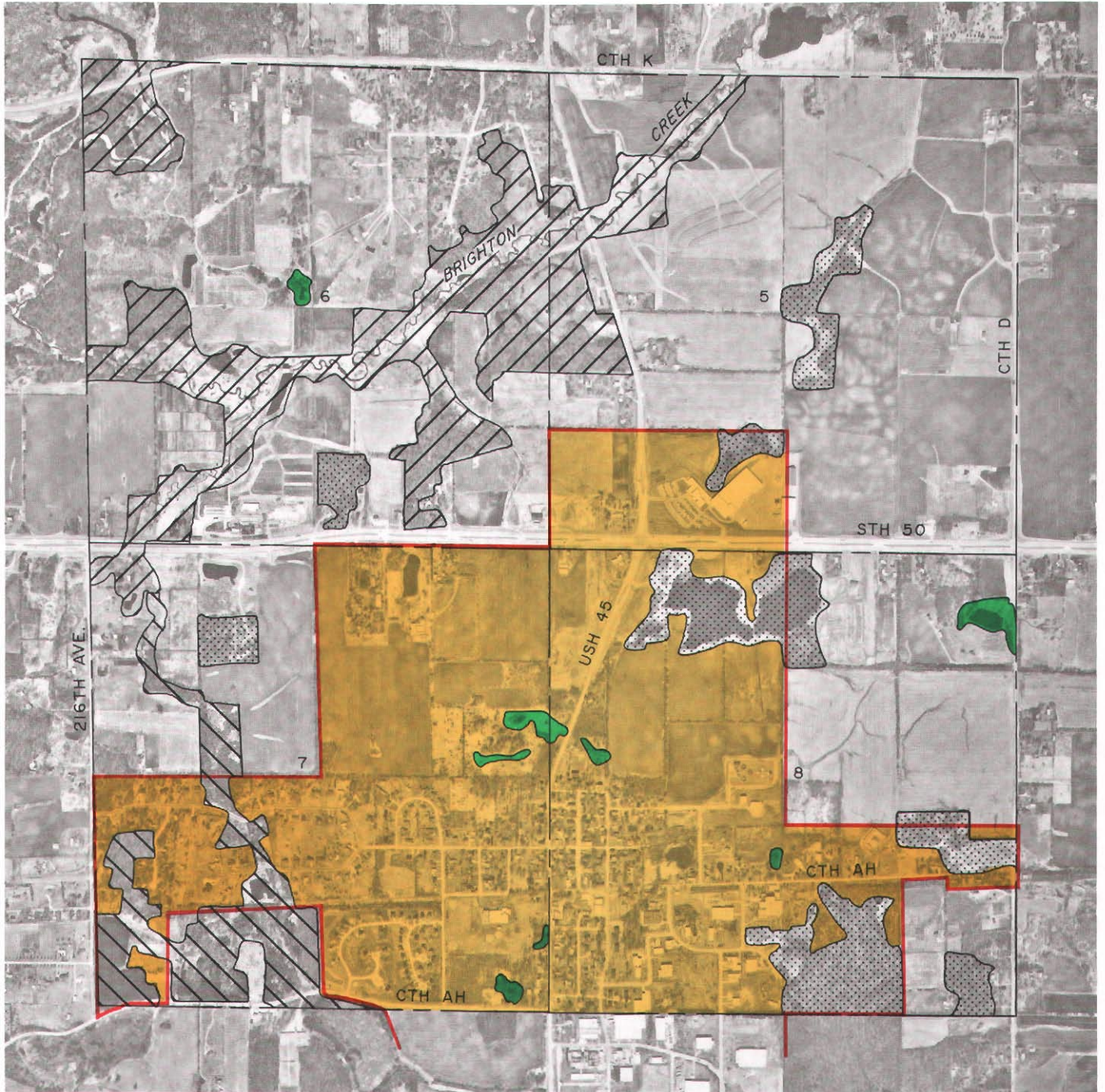
## **CONCLUDING RECOMMENDATION**

Based upon the foregoing, it is recommended that the Southeastern Wisconsin Regional Planning Commission formally amend the Bristol sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 145 in the manner identified on Map 1. A more detailed delineation of the revised sewer service area and of the environmentally significant lands is shown on an aerial photograph reproduced as Map 2.







Map 2

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE BRISTOL AREA

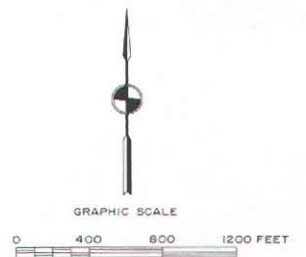
U. S. Public Land Survey Sections 5, 6, 7, and 8  
Township 1 North, Range 21 East



LEGEND

-  PRIMARY ENVIRONMENTAL CORRIDOR
-  SECONDARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL RESOURCE AREA
-  WETLANDS LESS THAN FIVE ACRES IN SIZE
-  PLANNED SANITARY SEWER SERVICE AREA
-  GROSS SANITARY SEWER SERVICE AREA BOUNDARY

NOTE: This map replaces Map 7-7, page 32, SEWRPC Community Assistance Planning Report No. 145, Sanitary Sewer Service Area for the Town of Salem Utility District No. 1, Village of Paddock Lake, and Town of Bristol Utility District Nos. 1 and 1B, Kenosha County Wisconsin, and Map 2, page 4, SEWRPC Amendment to the Regional Water Quality Management Plan—2000, Town of Bristol, March 1991.



Source: SEWRPC.