

AMENDMENT TO THE

REGIONAL WATER QUALITY MANAGEMENT PLAN--2000

TOWN OF BRISTOL

AS ADOPTED BY THE
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

MARCH 1991

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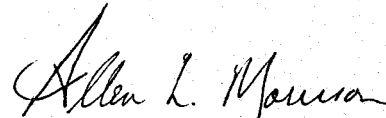
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SUBJECT: Certification of Amendment to the Adopted Regional Water Quality Management Plan (Bristol Sanitary Sewer Service Area)

TO: The Legislative Bodies of Concerned Local Units of Government Within the Southeastern Wisconsin Region, namely: the County of Kenosha, the Town of Bristol, and the Town of Bristol Utility District No. 1

This is to certify that at the quarterly meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Racine County Highway and Office Building, Ives Grove, Wisconsin, on the 6th day of March 1991, the Commission did by unanimous vote by all Commissioners present, being 19 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. The said amendment to the regional water quality management plan pertains to the proposed sanitary sewer service area for the Town of Bristol 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 7th day of March 1991.



Allen L. Morrison, Vice-Chairman
Southeastern Wisconsin
Regional Planning Commission

ATTEST:



Kurt W. Bauer, Deputy Secretary

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RESOLUTION NO. 91-3

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; and

WHEREAS, on October 25, 1990, the Town Board of the Town of Bristol requested that the Commission amend the Bristol sanitary sewer service area to include lands located adjacent to, but outside, the 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 Town of Bristol Utility District No. 1 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, 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:

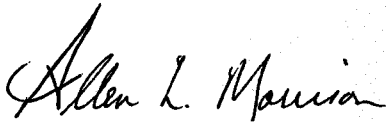
FIRST: That the regional water quality management plan for the Southeastern Wisconsin Region, being a part of the master plan for the physical development of the Region and comprised of SEWRPC Planning Report No. 30, Volumes One, Two, and Three, which was adopted by the Commission as a part of the master plan on the 12th day of July 1979, and which was amended on the 1st day of December 1986 to include the initial 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 aforereferenced 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 Industry, Labor and Human Relations 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 6th day of March 1991, the vote being: Ayes 19; Nays 0.


Allen L. Morrison, Vice-Chairman

ATTEST:



Kurt W. Bauer, Deputy Secretary

SEWRPC STAFF MEMORANDUM

RESPONSE TO REQUEST BY THE TOWN OF BRISTOL TO AMEND THE TOWN OF BRISTOL UTILITY DISTRICT NO. 1 SANITARY SEWER SERVICE AREA

INTRODUCTION

By letter dated October 25, 1990, the Town of Bristol requested that the Southeastern Wisconsin Regional Planning Commission amend the Town of Bristol Utility District No. 1 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, October 1986. The basic purpose of the amendment would be to include within the planned Bristol sewer service area certain lands located immediately adjacent to the adopted sewer service area. This was also deemed an appropriate time to adjust the Bristol sanitary sewer service area boundary to include within that area the relocated Bristol sewage treatment plant.

AREA DESCRIPTION

As shown on Map 1, the three areas proposed to be added to the Bristol sanitary sewer service area together encompass an area of about 255 acres. The three areas are located in U. S. Public Land Survey Sections 7, 8, and 18, Township 1 North, Range 21 East, Town of Bristol, Kenosha County, Wisconsin.

At the present time, the three areas include about 12 acres encompassing five single-family housing units and associated farm buildings and about eight acres associated with the newly relocated sewage treatment plant. The remaining 235 acres consist of agricultural and other open space lands. It is anticipated that the undeveloped lands within the subject areas will be developed primarily for industrial and residential land uses.

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

The revised year 2000 Bristol sanitary sewer service area, including the subject additional areas, would encompass about 2.3 square miles and would include about 0.3 square miles of primary environmental corridor, less than 0.1 square mile of secondary environmental corridor, and about 0.1 square mile of isolated natural area. Thus, about 0.4 square mile, or about 17 percent, of the revised sewer service area would be comprised of environmentally significant lands. The revised overall estimated residential density within the Bristol sewer service area would approximate 2.7 housing units per net residential acre. This density lies within the recommended density range for the Bristol area of the Region identified in the adopted regional land use and regional water quality management plans.

WATER QUALITY IMPACTS

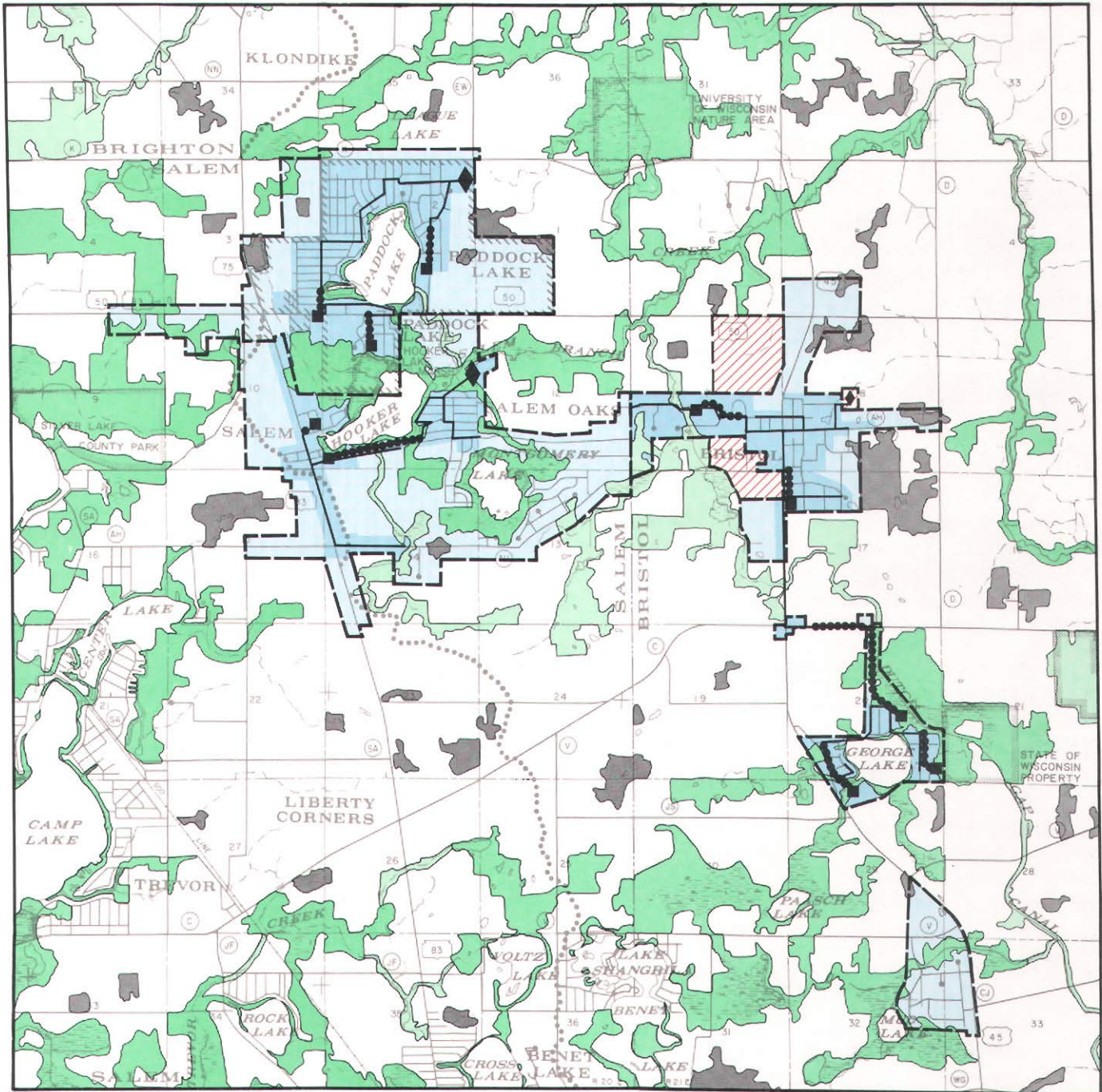
Since there are no environmental corridor or isolated natural area lands in the three areas to be added to the Bristol sanitary sewer service area, there should be no significant adverse water quality impacts attributable to the development of these areas, providing that appropriate soil erosion control practices are followed in the event of development of those lands adjacent to the secondary environmental corridor located directly west of the southernmost area to be added.

COST EFFECTIVENESS ANALYSIS












The lands in question lie immediately adjacent to the currently approved Bristol sanitary sewer service area. In addition, areas currently served with public sewers are contiguous to each of the three areas proposed to be added to the service area. The nearest other public sanitary sewer system is located over one mile away and a connection would entail crossing largely undeveloped lands. Consequently, no further detailed analyses were deemed to be required to conclude that the subject area would be sewered most cost-effectively through the Town of Bristol Utility District No. 1 sewerage system.

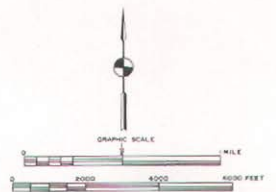
Map 1

RECOMMENDED REVISIONS TO THE BRISTOL SANITARY SEWER SERVICE AREA



LEGEND

- | | | | |
|---|--|---|--|
|  | PRIMARY ENVIRONMENTAL CORRIDOR |  | GROSS SANITARY SEWER SERVICE AREA BOUNDARY |
|  | SECONDARY ENVIRONMENTAL CORRIDOR |  | EXISTING SEWAGE TREATMENT FACILITY |
|  | ISOLATED NATURAL AREA |  | EXISTING LIFT STATION |
|  | NET SANITARY SEWER SERVICE AREA (EXISTING) |  | EXISTING FORCE MAIN |
|  | NET SANITARY SEWER SERVICE AREA (2000) |  | EXISTING TRUNK SEWER |
| | |  | LANDS TO BE ADDED TO THE BRISTOL SANITARY SEWER SERVICE AREA |



Source: SEWRPC.

SEWAGE TREATMENT PLANT CAPACITY IMPACT ANALYSIS

The Town of Bristol sewage treatment plant has a capacity to treat 0.50 million gallons of wastewater on an average daily basis. The current loading to the plant is about 0.24 million gallons per day (mgd). The anticipated sewage flow to be generated in the area proposed to be added to the Bristol sewer service area is estimated to be about 0.13 mgd upon full development. In addition, the year 2000 planned population level of about 2,300 persons for the entire sewer service area is expected to result in an average daily sewage flow of about 0.45 mgd. Thus, the Utility District will probably need to initiate facility planning for a plant expansion by about the year 2000.

It should be noted that the District currently has identified problems relating to two existing pumping station and force mains in the sewerage system. These problems relate primarily to the deterioration of the ductile iron force mains. A portion of the Bear Realty tract and all of the Tuckaway Trail tract which are proposed to be added to the sewer service area are potentially tributary to these problematic sewer system segments. The Utility District is presently in the process of developing facility plans to resolve these problems, including replacement of the problem force mains. It is assumed that sewer extensions to serve the areas proposed to be added to the service area and tributary to these problem sewer system segments will not be constructed until the necessary remedial steps are taken. Since the facility planning is based upon consideration of the additional areas, adequate sewer system capacity should be provided to serve the lands in question.

PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on February 21, 1991, at the Bristol Town Hall to receive public comment on, and reaction to, the plan amendment. This hearing was sponsored jointly by the Town of Bristol and the Regional Planning Commission. A copy of the transcript of the public hearing is on file at the Town of Bristol and the offices of the Commission.

A brief summary of the plan amendment was presented prior to receiving public comment. The rationale behind the refinement and delineation of the adopted sanitary sewer service area tributary to the sewage treatment plant operated by the Town of Bristol was discussed, as was the relationship of the proposed plan amendment to the existing sanitary sewer service area. In addition, the significance of the environmentally sensitive lands within the Bristol sewer service area and the impact the plan amendment would have on these lands was also discussed. Furthermore, the conclusions of an analysis of the most cost-effective means of providing service to, and the sewage treatment plant capacity impacts attributable to, the plan amendment were discussed.

A review of the hearing record indicates that while some questions were raised with respect to the future rate of urban growth within the Bristol sewer service area; its affect on the reserve capacity of the sewage treatment plant; and the secondary cost impacts—the provision of public services and utilities and the need for additional school facilities—associated with such development; and at the conclusion of the public hearing, a majority of those in attendance expressed their support of the plan amendment as presented.

LOCAL GOVERNMENT SUPPORT FOR PLAN AMENDMENT

The lands involved in the plan amendment lie within the Town of Bristol. The proposed plan amendment was requested by, and is supported by, the Town Board of the Town of Bristol.

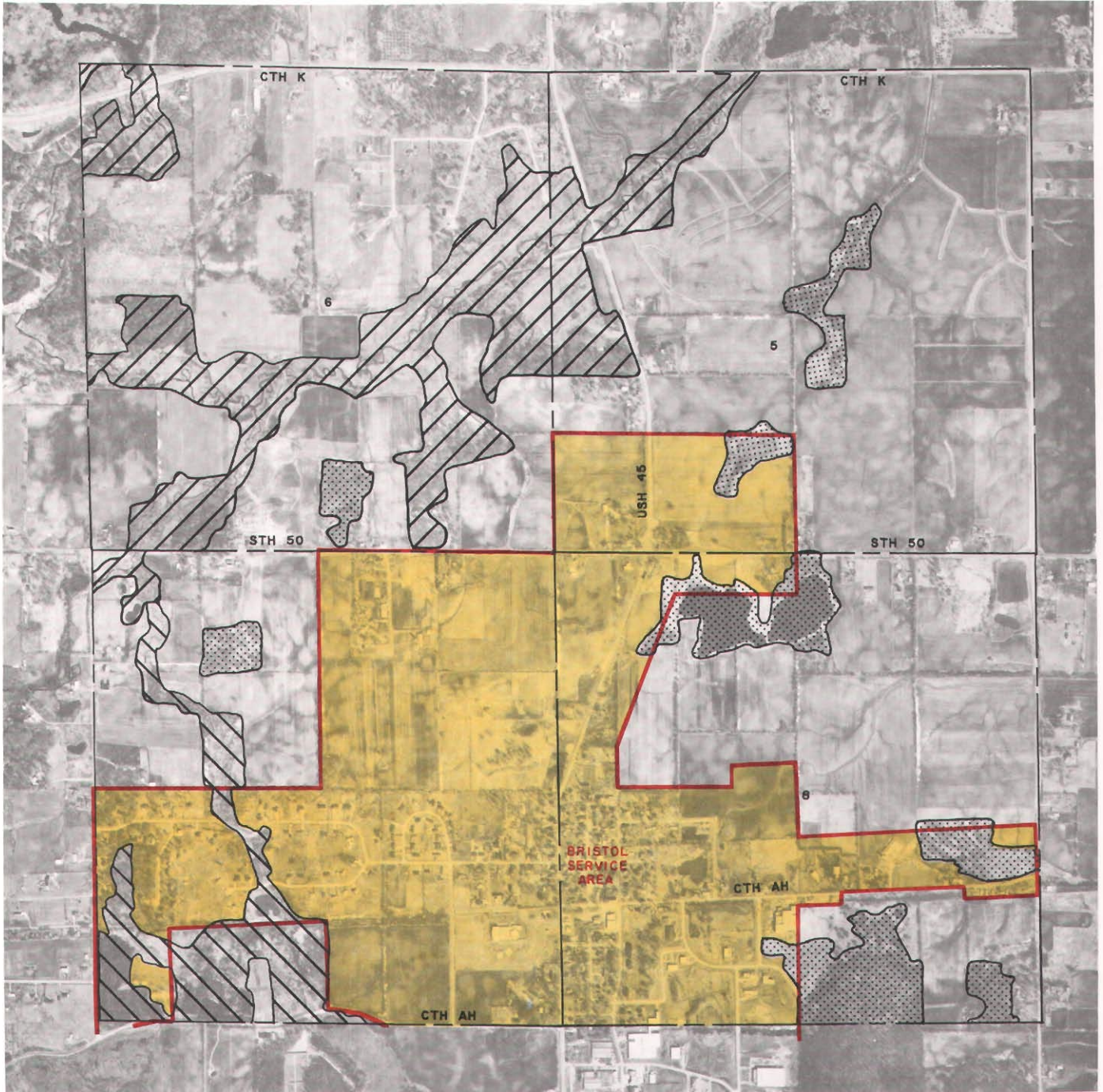
CONCLUDING RECOMMENDATION

Based upon the foregoing, it is recommended that the Southeastern Wisconsin Regional Planning Commission formally amend the sanitary sewer service area as documented in the aforementioned SEWRPC Community Assistance Planning Report No. 145 in the manner identified in Map 1. A more detailed delineation of the revised sewer service area and of the environmentally significant lands therein is shown on two aerial photographs reproduced as Maps 2 and 3.

Map 2

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE SALEM/PADDOCK LAKE/BRISTOL AREA

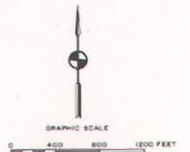
U. S. Public Land Survey Sections 5, 6, 7, and 8
Township 1 North, Range 21 East



LEGEND

-  PRIMARY ENVIRONMENTAL CORRIDOR
-  SECONDARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL AREA
-  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.

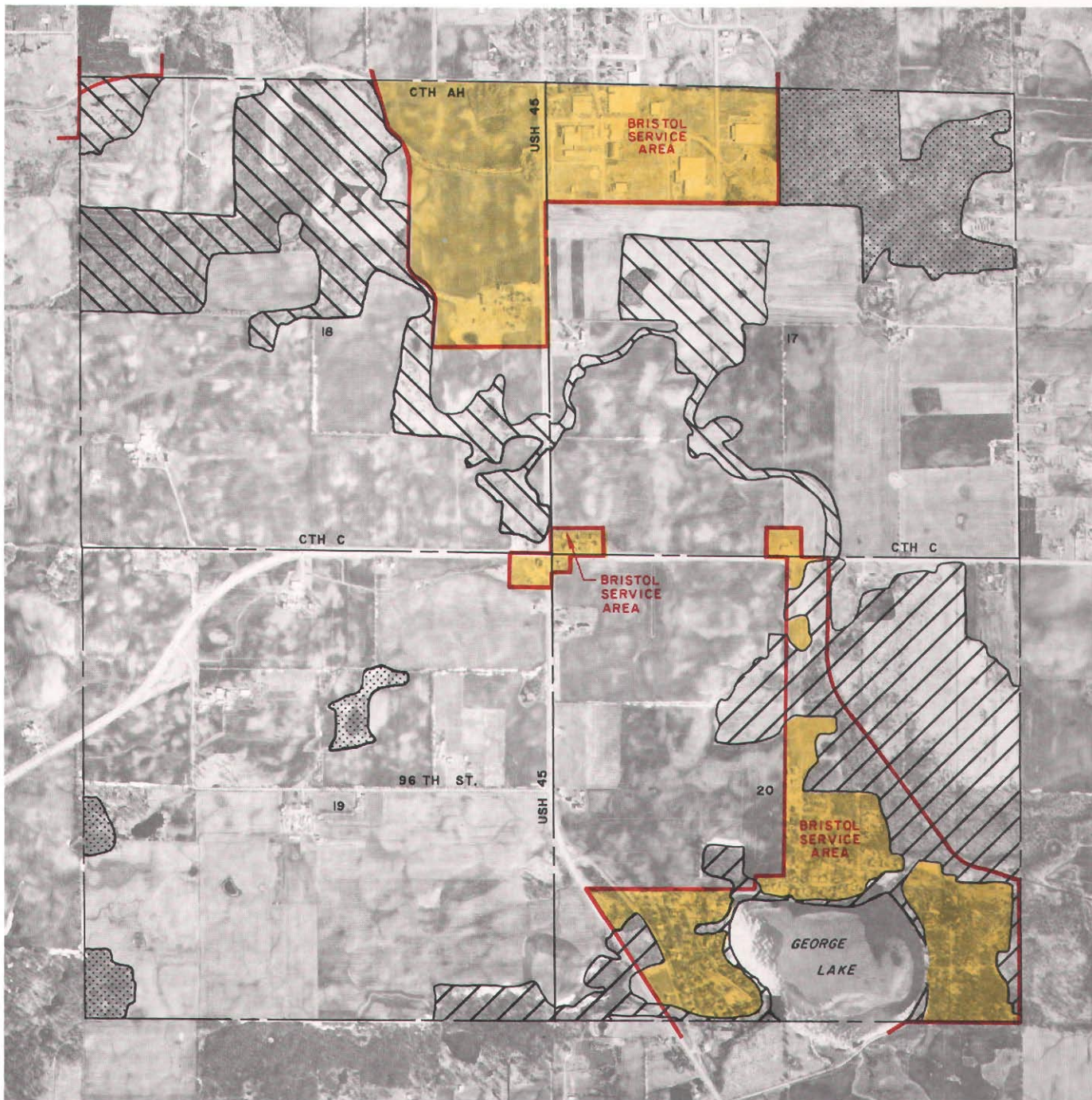


Source: SEWRPC.

Map 3

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE SALEM/PADDOCK LAKE/BRISTOL AREA

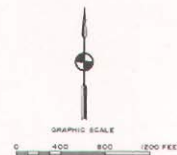
U. S. Public Land Survey Sections 17, 18, 19, and 20
Township 1 North, Range 21 East



LEGEND

-  PRIMARY ENVIRONMENTAL CORRIDOR
-  SECONDARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL AREA
-  PLANNED SANITARY SEWER SERVICE AREA
-  GROSS SANITARY SEWER SERVICE AREA BOUNDARY

NOTE: This map replaces Map 7-11, page 36, 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.



Source: SEWRPC.