

AMENDMENT TO THE

**REGIONAL WATER QUALITY
MANAGEMENT PLAN**

CITY OF BURLINGTON

AS ADOPTED BY THE

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

SEPTEMBER 2002

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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

TO: The Legislative Bodies of Concerned Local Units of Government within the Southeastern Wisconsin Region, namely: the County of Racine, the City of Burlington, and the Town of Burlington.

This is to certify that at the meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Walworth County Courthouse in Elkhorn, Wisconsin, on the 11th day of September 2002, the Commission did by unanimous vote of all Commissioners present, being 17 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 Burlington 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 12th day of September 2002.

Thomas H. Buestrin, Chairman
Southeastern Wisconsin
Regional Planning Commission

ATTEST:

Philip C. Evenson, Deputy Secretary

RESOLUTION NO. 2002-10

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 CONSISTING OF THE COUNTIES OF KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH, WASHINGTON, AND WAUKESHA IN THE STATE OF WISCONSIN (BURLINGTON SANITARY SEWER SERVICE AREA)

WHEREAS, pursuant to Section 66.0309(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 5th day of December 2001, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Burlington sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 78 (2nd Edition), *Sanitary Sewer Service Area for the City of Burlington and Environs, Racine County, Wisconsin*, December 2001, and

WHEREAS, by letter dated March 19, 2002, the City of Burlington requested that the Commission amend the Burlington 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 City of Burlington to Amend the Burlington Sanitary Sewer Service Area," attached hereto and made a part hereof; and

WHEREAS, the requested change to the regional water quality management plan, as documented in the aforereferenced staff memorandum, was the subject of a public hearing held jointly by the City of Burlington and the Regional Planning Commission on June 4, 2002; and

WHEREAS, Section 66.0309(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;

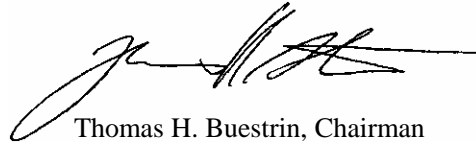
NOW, THEREFORE, BE IT HEREBY RESOLVED:

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 5th day of December 2001 to include the refined Burlington sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 78 (2nd Edition), 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 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.

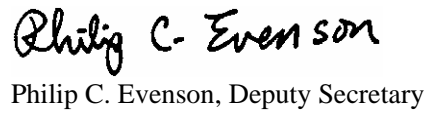
THIRD: That a true, correct, and exact copy of this resolution, together with the aforereferenced SEWRPC staff memorandum, shall be forthwith distributed to each of the local legislative bodies of the local governmental units within the Region entitled thereto and to such other bodies, agencies, or individuals 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 11th day of September 2002, the vote being: Ayes 17; Nays 0.



Thomas H. Buestrin, Chairman

ATTEST:



Philip C. Evenson, Deputy Secretary

SEWRPC STAFF MEMORANDUM

RESPONSE TO REQUEST BY THE CITY OF BURLINGTON TO AMEND THE BURLINGTON SANITARY SEWER SERVICE AREA

INTRODUCTION AND BACKGROUND

By letter dated March 19, 2002, the City of Burlington requested that the Southeastern Wisconsin Regional Planning Commission amend the Burlington and environs sanitary sewer service area tributary to the City of Burlington sewage treatment facility. That area is currently documented in SEWRPC Community Assistance Planning Report No. 78 (2nd Edition), *Sanitary Sewer Service Area for the City of Burlington and Environs, Racine County, Wisconsin*, dated December 2001. The basic purpose of this amendment would be to include within the planned Burlington sewer service area certain lands located immediately adjacent to, but outside of, the currently adopted sewer service area.

AREA DESCRIPTION

The area proposed to be added to the Burlington sanitary sewer service area is shown on Map 1. This area encompasses a total of 470 acres located in U.S. Public Land Survey Sections 21 and 22, Township 3 North, Range 19 East. The area includes 77 acres of existing residential and institutional development including 14 existing housing units and a church; 128 acres of existing agricultural use proposed for future residential development; 234 acres of existing primary environmental corridor; 15 acres of existing isolated natural resource area; and 16 acres of farmed floodplain. The farmed floodplain is envisioned to eventually revert to a natural condition and become part of the adjacent primary environmental corridor when agricultural operations cease, and is included in the designated primary environmental corridor shown on Map 1. A more detailed delineation of the revised sewer service area and of the environmentally significant lands within is shown on the aerial photograph reproduced as Map 2.

The area proposed to be added to the Burlington sewer service area has an existing population of about 35 persons. It is estimated that the 128 acres proposed for future residential development would accommodate a population of about 590 persons. Thus, the planned population of the sewer service area would increase by about 625 persons.

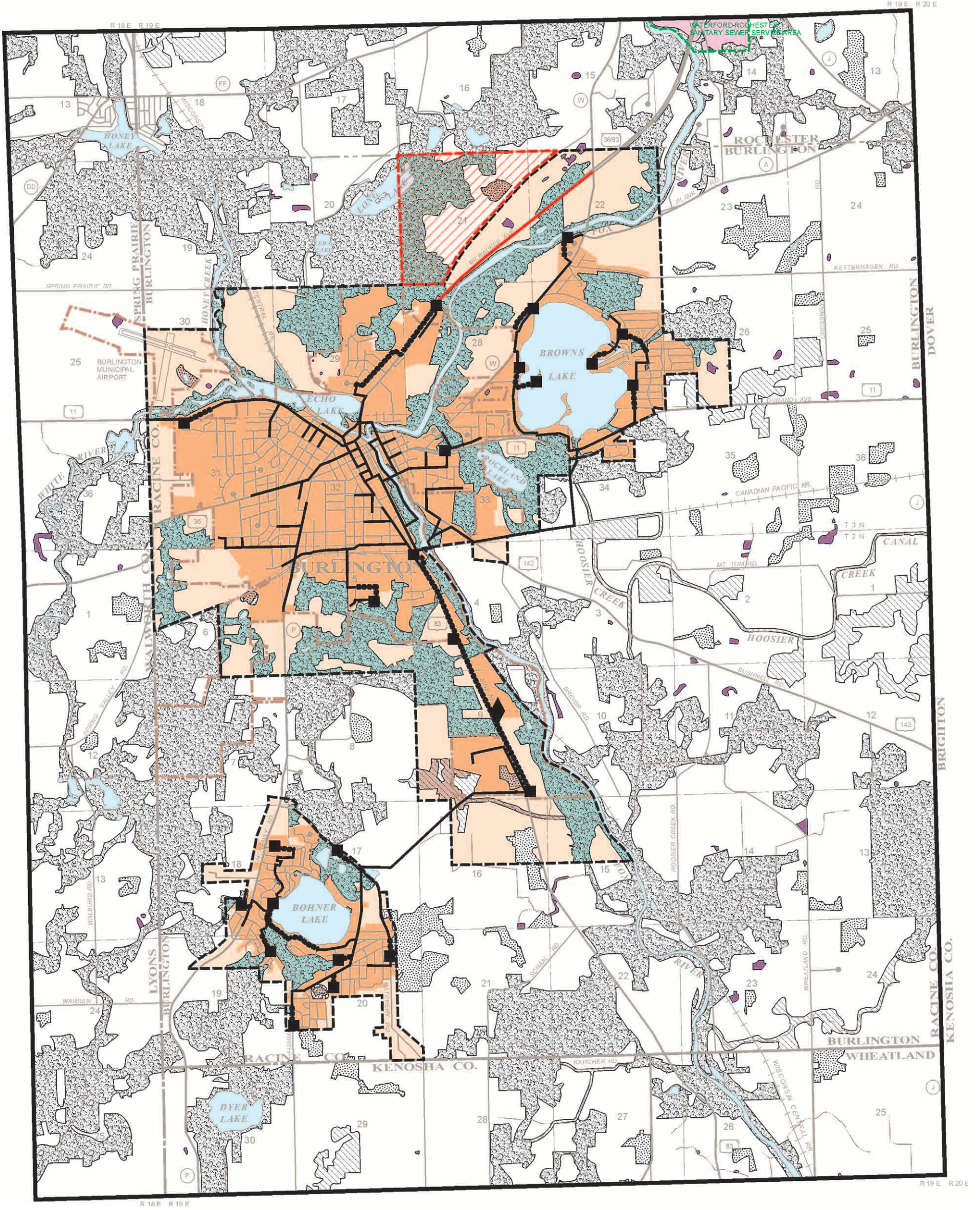
RELATIONSHIP OF THE PROPOSED CHANGE TO THE EXISTING SANITARY SEWER SERVICE AREA
















The proposed addition of 470 acres to the Burlington sanitary sewer service area represents an increase in the planned sewer service area of about 5 percent. As noted above, more than half of that proposed addition is comprised of existing environmental corridor and floodplains that are expected to remain in essentially open space use. The planned population of the expanded sewer service area—that is, the estimated population which could be accommodated upon full development of the sewer service area—would lie within the year 2020 population projection range for this area embodied in the regional land use plan.

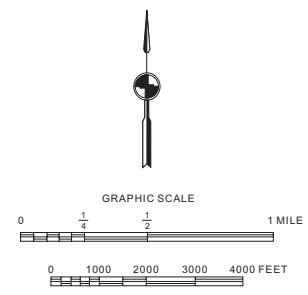
WATER QUALITY IMPACTS

Under the adopted regional water quality management plan and the refined sanitary sewer service area plan herein set forth, it is envisioned that all urban lands within the planned urban service area would receive sanitary sewer service. In addition, the provision of public sanitary sewer service to those lands within the planned sanitary sewer service area which are currently developed and served by onsite sewage disposal systems may be expected to reduce the pollutant loadings from the existing onsite sewage disposal systems to both surface and ground waters. Assuming that all applicable Federal, State, and local permits are obtained and that proper site development and construction practices are employed, there should be no significant adverse water quality impacts attributable to the development of the planned sanitary sewer service area.

RECOMMENDED AMENDMENT TO THE BURLINGTON SANITARY SEWER SERVICE AREA



-  PRIMARY ENVIRONMENTAL CORRIDOR
-  SECONDARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL RESOURCE AREA
-  WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE
- RESTRICTIONS ON SEWERED DEVELOPMENT**
-  PRIMARY ENVIRONMENTAL CORRIDORS WITHIN THE PLANNED SANITARY SEWER SERVICE AREA: THE EXTENSION OF SEWERS TO SERVE NEW DEVELOPMENT IS CONFINED TO LIMITED RECREATIONAL AND INSTITUTIONAL USES AND RURAL-DENSITY RESIDENTIAL DEVELOPMENT IN AREAS OTHER THAN WETLANDS, FLOODLANDS, SHORELANDS, AND STEEP SLOPES.
-  PORTIONS OF SECONDARY ENVIRONMENTAL CORRIDORS AND ISOLATED NATURAL RESOURCE AREAS WITHIN THE PLANNED SANITARY SEWER SERVICE AREA WHICH ARE COMPRISED OF WETLANDS, FLOODLANDS, SHORELANDS, AND STEEP SLOPES: THE EXTENSION OF SEWERS TO SERVE NEW DEVELOPMENT IN THESE AREAS IS NOT PERMITTED.
-  EXISTING AREA SERVED BY SANITARY SEWERS TRIBUTARY TO THE CITY OF BURLINGTON SEWAGE TREATMENT PLANT: 1999
-  BURLINGTON AND ENVIRONS PLANNED SANITARY SEWER SERVICE AREA: 2020
-  PLANNED SANITARY SEWER SERVICE AREA BOUNDARY
-  AREA PROPOSED TO BE ADDED TO THE BURLINGTON SANITARY SEWER SERVICE AREA
-  EXISTING PUBLIC SEWAGE TREATMENT FACILITY
-  EXISTING TRUNK SEWER
-  EXISTING FORCE MAIN
-  EXISTING PUMPING STATION
-  PROPOSED TRUNK SEWER



Source: SEWRPC.

COST EFFECTIVENESS ANALYSIS

The proposed addition to the Burlington sanitary sewer service area is immediately adjacent to the currently approved sewer service area tributary to the City of Burlington sewage treatment plant. The nearest other public sanitary sewer system, operated by the Western Racine County Sewerage District, is located about 2 miles, and across the Fox River, from the subject area. Consequently, no further analysis is deemed necessary to conclude that the subject area would be served most cost-effectively through connection to the City of Burlington sewage treatment plant.

SEWAGE TREATMENT PLANT CAPACITY IMPACT ANALYSIS

Sewage from the City of Burlington, the Bohner's Lake Sanitary District No. 1, and the Brown's Lake Sanitary District is treated at the City of Burlington sewage treatment facility. The Burlington sewage treatment plant was completely reconstructed in 1992 and has a design capacity of 3.55 million gallons per day (mgd) on an average annual basis. The average annual flow rate in 2001 was about 2.2 mgd. The anticipated sewage flow to be generated in the area proposed to be added to the Burlington sewer service area may be expected to be about 0.1 mgd on an average annual basis.

If the vacant developable lands within the revised sewer service area were fully developed in accordance with local plans, flows to the Burlington sewage treatment facility would approximate 3.6 to 3.9 mgd on an average annual basis, with the total flows being somewhat dependent upon the sewage flows generated by new commercial and industrial development. Thus, depending on the level and density of growth that would actually occur upon full development of the sewer service area, it may be necessary to conduct facilities planning to expand the existing sewage treatment plant toward the end of the planning period (2020). In any event, the inclusion of the proposed addition to the sewer service area documented in this report would not materially affect the timeframe for future facility planning and expansion.

PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on June 4, 2002, at the Burlington City Hall to receive public comment on, and reaction to, the proposed plan amendment. The hearing was sponsored by the City of Burlington and the Regional Planning Commission. A summary of the plan amendment was presented, including a description of the lands proposed to be added to the sewer service area and any environmentally significant lands located within, along with a description of potential impacts for the City sewerage system.

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.

LOCAL GOVERNMENT SUPPORT FOR THE PLAN AMENDMENT

The Common Council of the City of Burlington adopted the plan amendment on June 18, 2002.

CONCLUDING RECOMMENDATION

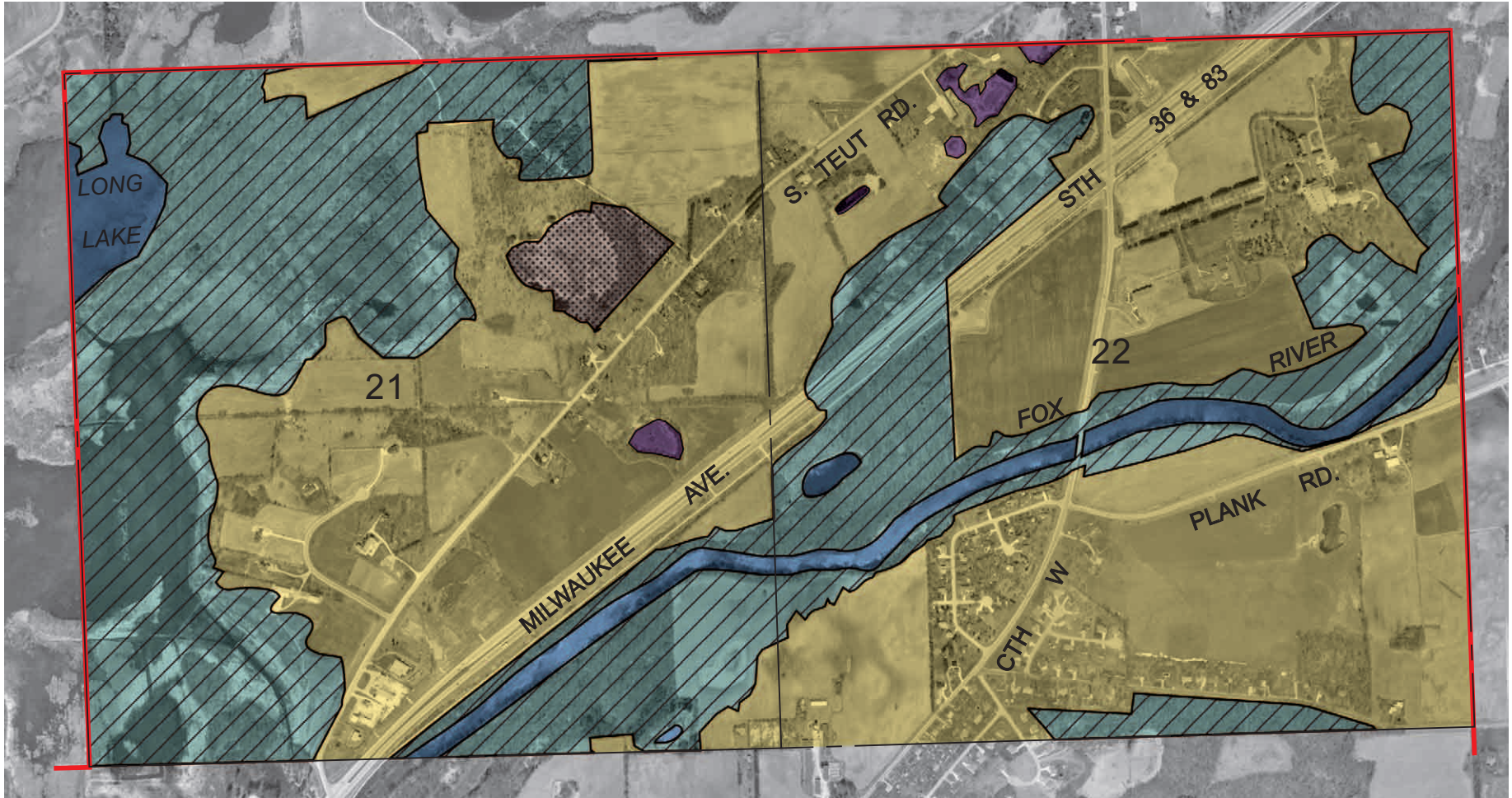
Based upon the foregoing, it is recommended that the Southeastern Wisconsin Regional Planning Commission formally amend the sanitary sewer service area for the Burlington area as documented in SEWRPC Community Assistance Planning Report No. 78 (2nd Edition) in the manner identified on Map 1. A more detailed delineation of the revised sewer service area and of the environmentally significant lands within is shown on an aerial photograph reproduced as Map 2.

Map 2





ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE CITY OF BURLINGTON AND ENVIRONS



U. S. Public Land Survey Sections 21 and 22, Township 3 North, Range 19 East



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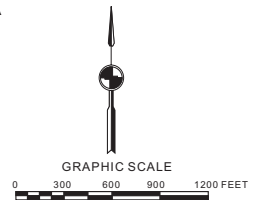
Photography Date: April 2000

-  PRIMARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL RESOURCE AREA
-  WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE
-  SURFACE WATER WITHIN ENVIRONMENTAL CORRIDORS AND ISOLATED NATURAL RESOURCE AREAS

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-  PLANNED SANITARY SEWER SERVICE AREA
-  GROSS SANITARY SEWER SERVICE AREA BOUNDARY

NOTE: This map replaces the south half of Map 8-3, page 24, of SEWRPC Community Assistance Planning Report No. 78 (2nd Edition), *Sanitary Sewer Service Area for the City of Burlington and Environs, Racine County, Wisconsin*, December 2001.



Source: SEWRPC.