

AMENDMENT TO THE

**REGIONAL WATER QUALITY
MANAGEMENT PLAN**

TOWN OF SALEM

AS ADOPTED BY THE

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

MARCH 2007

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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 (Town of Salem 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 Salem, and the Villages of Paddock Lake and Silver Lake

This is to certify that at the meeting of the Southeastern Wisconsin Regional Planning Commission, held at the We Energies Resource Center, Milwaukee, Wisconsin, on the 7th day of March 2007, the Commission did by unanimous vote of all Commissioners present, being 12 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 Town of Salem 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 Pewaukee, Wisconsin, this 8th day of March 2007.

Thomas H. Buestrin, Chairman
Southeastern Wisconsin
Regional Planning Commission

ATTEST:

Philip C. Evenson, Deputy Secretary

RESOLUTION NO. 2007-03

**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
(SALEM 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, the Commission duly adopted amendments to the regional water quality management plan refining and detailing the Salem sanitary sewer service area in 1986, as originally documented in SEWRPC Community Assistance Planning Report No. 143, *Sanitary Sewer Service Area for the Town of Salem Utility District No. 2*, and 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*, and most recently documented in *Amendment to the Regional Water Quality Management Plan, Town of Salem*, dated March 2001, as amended; and

WHEREAS, by letter dated January 23, 2007, the Town of Salem requested that the Commission amend the Salem 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 Salem to Amend the Salem 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 aforementioned staff memorandum, was the subject of a public hearing held jointly by the Town of Salem and the Regional Planning Commission on February 12, 2007; 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 7th day of March 2001 to include the refined Salem sewer service area, as set forth in *Amendment to the Regional Water Quality Management Plan, Town of Salem*, 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.

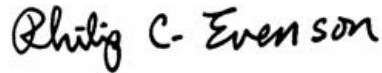
THIRD: That a true, correct, and exact copy of this resolution, together with the aforementioned SEWRPC staff memorandum, shall be forthwith distributed to each of the local legislative bodies of the local governmental units within the Region entitled thereto and to such other bodies, agencies, or individuals 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 7th day of March 2007, the vote being: Ayes 12, Nays 0.

A handwritten signature in black ink, appearing to read 'Thomas H. Buestrin', with a long horizontal flourish extending to the right.

Thomas H. Buestrin, Chairman

ATTEST:

A handwritten signature in black ink, appearing to read 'Philip C. Evenson', written in a cursive style.

Philip C. Evenson, Deputy Secretary

SEWRPC STAFF MEMORANDUM

RESPONSE TO REQUEST BY THE TOWN OF SALEM TO AMEND THE SALEM SANITARY SEWER SERVICE AREA

INTRODUCTION

By letter dated January 23, 2007, the Town of Salem requested that the Southeastern Wisconsin Regional Planning Commission amend the Salem sanitary sewer service area. That area is currently documented in *Amendment to the Regional Water Quality Management Plan, Town of Salem*, dated March 2001, and in subsequent plan amendments. The basic purpose of this amendment would be to include within the planned Salem sewer service area certain lands located immediately adjacent to, but outside, the currently adopted sewer service area.

PROPOSED ADDITIONS TO THE SEWER SERVICE AREA

The proposed amendment to the Salem sanitary sewer service area is shown on Map 1, with two areas proposed to be added to the sewer service area. These areas are described below.

Area A:

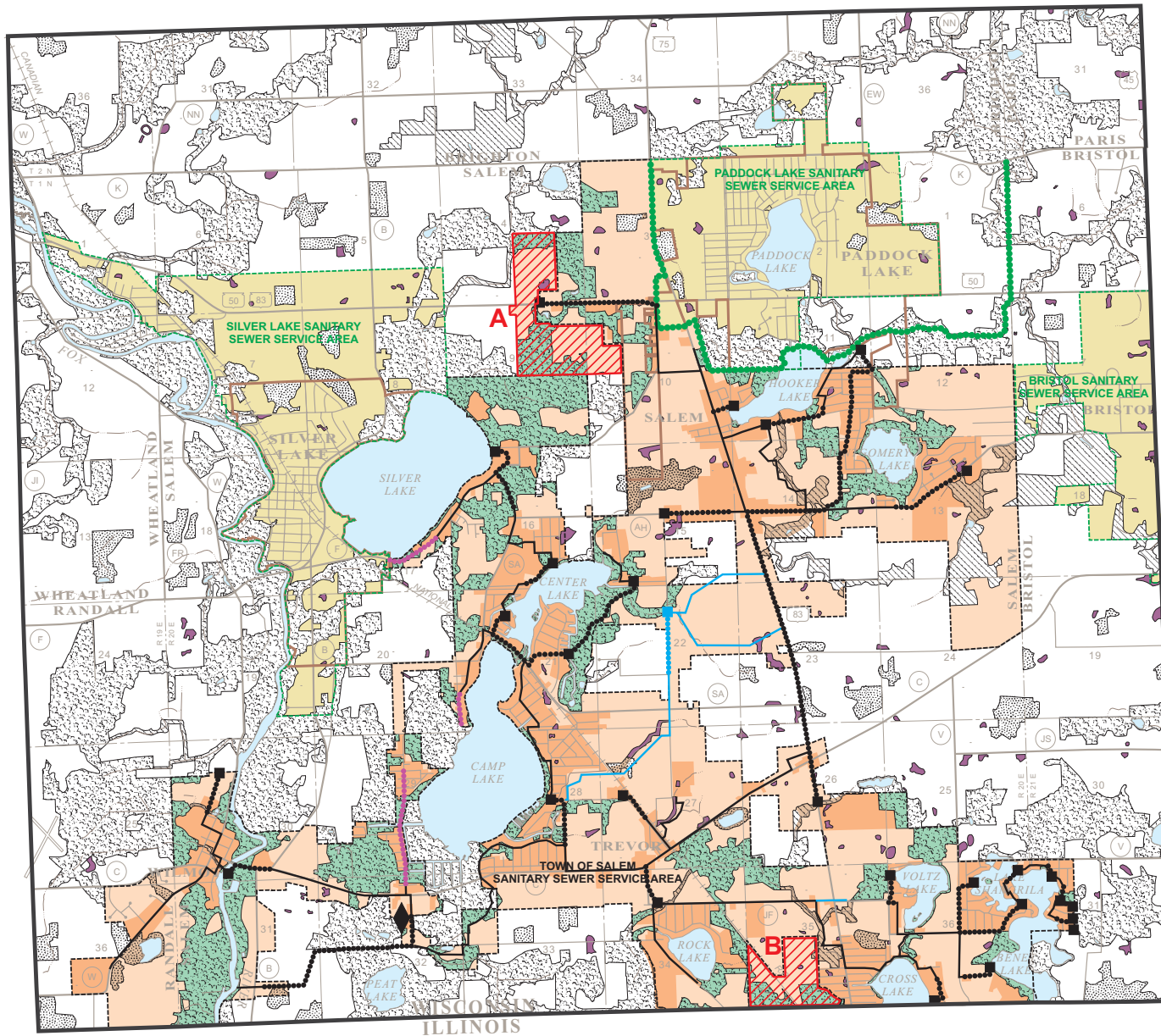
Area A encompasses 264 acres located on either side of STH 50, west of the currently adopted sewer service area. It contains 94 acres of environmentally significant lands, including 92 acres of primary environmental corridor and 2 acres of small wetlands. Area A also contains 8 acres of existing urban development consisting of road right-of-way and two existing housing units. The southeastern portion of Area A has been attached to the Village of Paddock Lake in accordance with a recent boundary agreement between Paddock Lake and the Town of Salem. Under that agreement, sanitary sewer service to all of Area A would be provided through the Salem sewerage system, and the balance of Area A would remain in the Town of Salem. Under the Village of Paddock Lake land use plan and Town of Salem development plans for Neighborhoods Nos. 1 and 2, the 162-acre developable portion of Area A would accommodate 2 acres of commercial use and 240 housing units on the remainder, with a population of about 600 persons.

Area B:

Area B encompasses 143 acres located immediately north of the Illinois-Wisconsin State boundary, about one-half mile west of Cross Lake. It contains 56 acres of environmentally significant lands, including 52 acres of primary environmental corridor, 3 acres of secondary environmental corridor, and 1 acre of small wetlands. Area B also contains 8 acres of existing urban development consisting of railroad right-of-way and one existing housing unit. The Town of Salem development plan for Neighborhood No. 10, which covers Area B, includes about 59 acres of single-family residential land. The planned residential area would accommodate 70 housing units with a population of about 175 persons.

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

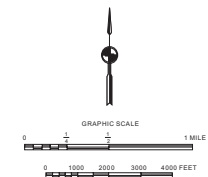
The addition of Areas A and B to the Salem sanitary sewer service area would increase the total area of the sewer service area by 407 acres, or about 4 percent. Planned residential development within Areas A and B would accommodate an estimated population of about 775 persons under full development conditions. Including the proposed additions, the buildout population of the entire sewer service area—that is, the population which could be accommodated upon full development of the sewer service area—is estimated at 18,625 persons. This compares to the projected year 2035 population range for the Salem sewer service area of 18,000 to 23,200 persons embodied in the Commission's adopted year 2035 regional land use plan.



Map 1

PROPOSED AMENDMENT TO THE TOWN OF SALEM SANITARY SEWER SERVICE AREA

- PRIMARY ENVIRONMENTAL CORRIDOR
- SECONDARY ENVIRONMENTAL CORRIDOR
- ISOLATED NATURAL RESOURCE AREA
- 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.
- WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE
- EXISTING AREA SERVED BY TOWN OF SALEM SANITARY SEWER SYSTEM: 2000
- TOWN OF SALEM PLANNED SANITARY SEWER SERVICE AREA
- OTHER PLANNED SANITARY SEWER SERVICE AREAS
- AREAS PROPOSED TO BE ADDED TO THE SALEM SANITARY SEWER SERVICE AREA
- CURRENTLY ADOPTED TOWN OF SALEM PLANNED SANITARY SEWER SERVICE AREA BOUNDARY
- RECOMMENDED COMMON BOUNDARY BETWEEN THE ULTIMATE TOWN OF SALEM AND VILLAGE OF PADDOCK LAKE SANITARY SEWER SERVICE AREAS
- EXISTING TOWN OF SALEM PUBLIC SEWAGE TREATMENT FACILITY
- EXISTING TRUNK SEWER
- EXISTING FORCE MAIN
- EXISTING PRESSURE SEWER
- EXISTING PUMPING STATION
- PROPOSED TRUNK SEWER
- PROPOSED FORCE MAIN
- PROPOSED PUMPING STATION



Source: SEWRPC.

WATER QUALITY IMPACTS

Under the adopted regional water quality management plan and the amended Salem sanitary sewer service area plan, it is envisioned that all urban lands within the planned urban service area would ultimately receive sanitary sewer service. 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.

SEWAGE TREATMENT PLANT CAPACITY IMPACT ANALYSIS

Sewage from the Salem sewer service area is treated at the Town of Salem Utility District No. 2 sewage treatment plant, which has a design capacity of 1.57 million gallons per day (mgd) on an average annual basis. The flow rate in 2005 was about 0.9 mgd on an average annual basis. The anticipated sewage flow to be generated in the areas proposed to be added to the Salem sewer service area is expected to be about 0.1 mgd on an average annual basis. Thus, the treatment plant has adequate capacity to treat sewage flows from the subject areas.

If the vacant developable lands within the Salem sewer service area, including the proposed additions, were fully developed in accordance with local plans, flows to the sewage treatment facility would approximate 2.2 to 2.7 mgd on an average annual basis, with the total flows being somewhat dependent upon the sewage flows generated by new commercial and industrial development. **Depending upon the level of growth that actually occurs within the next 10 to 20 years, it will be necessary to initiate facilities planning directed toward expansion of the existing sewage treatment plant.** In any event, the inclusion of the proposed additions to the sewer service area documented in this report would not materially affect the timeframe for future facility planning and treatment plant expansion.

PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on February 12, 2007, at the Salem Town Hall to receive public comment, and reaction to, the proposed sewer service area plan amendment. The hearing was sponsored by the Town of Salem and the Regional Planning Commission. A summary of the plan amendment, including a description of the lands proposed to be added to the sewer service area and the environmentally significant lands within, was presented prior to receiving public comment.

At the hearing, a Town of Salem resident indicated that he was opposed to any provision of sanitary sewer service by the Town of Salem to lands within the Village of Paddock Lake. The Town engineer responded that such service is required under the Paddock Lake-Salem boundary agreement and that the Village and benefiting property owners would pay for the costs of providing service to the area concerned. There were no other objections to the proposed plan amendment.

LOCAL GOVERNMENT ACTION ON THE PLAN AMENDMENT

The Board of Supervisors of the Town of Salem adopted the sewer service area plan amendment following the public hearing on February 12, 2007.

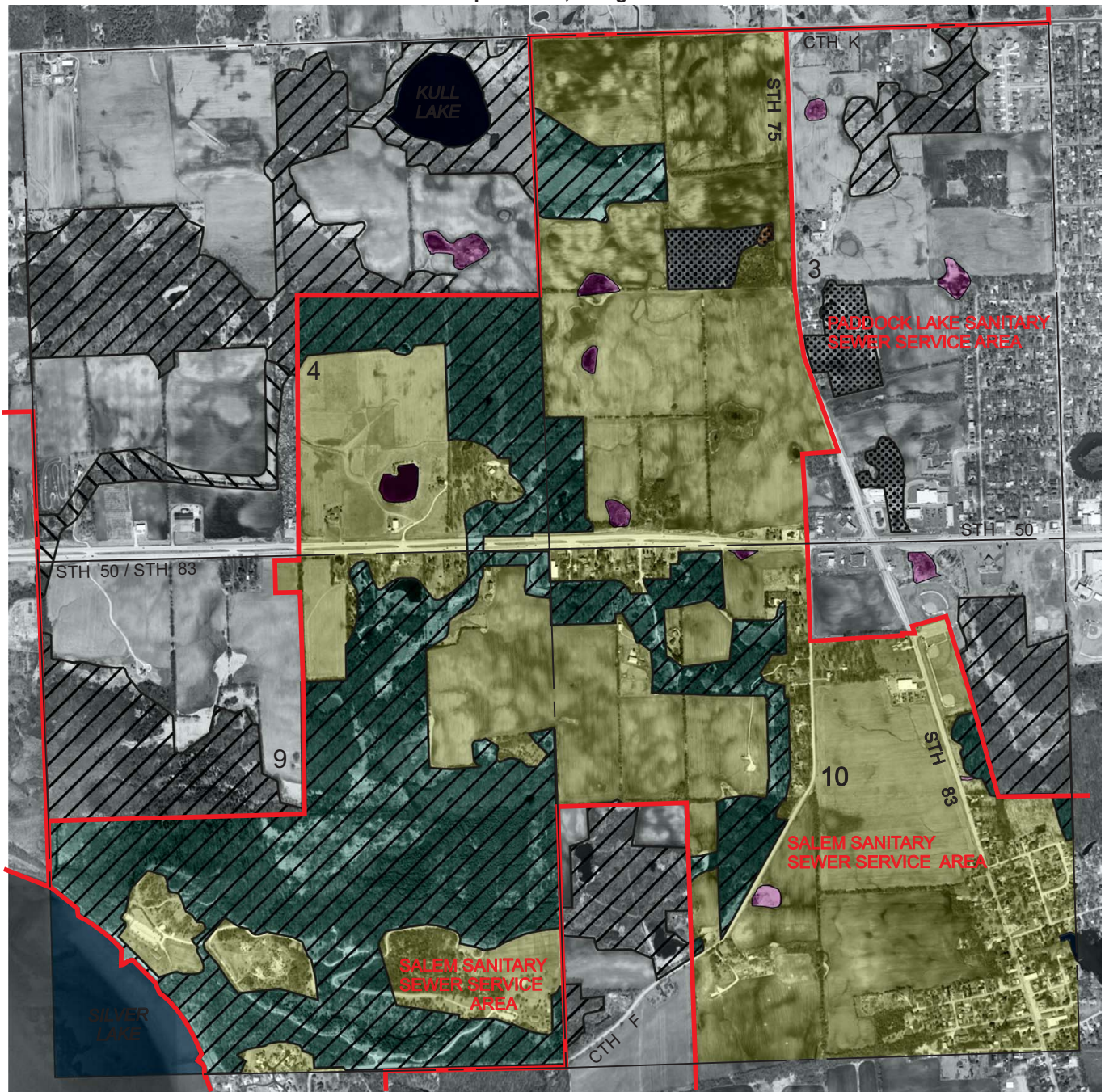
CONCLUDING RECOMMENDATION

Based upon the foregoing, it is recommended that the Southeastern Wisconsin Regional Planning Commission formally amend the Town of Salem sanitary sewer service area plan in the manner identified on Map 1. More detailed delineations of the revised sewer service area and the environmentally significant lands within are shown on the aerial photographs reproduced as Maps 2 and 3.







Map 2

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE TOWN OF SALEM AND ENVIRONS

**U. S. Public Land Survey Sections 3, 4, 9, and 10
Township 1 North, Range 20 East**





Photography Date: April 2005

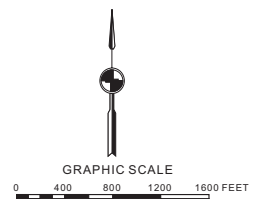
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-  SURFACE WATER WITHIN ENVIRONMENTAL CORRIDORS AND ISOLATED NATURAL RESOURCE AREAS
-  GROSS SANITARY SEWER SERVICE AREA BOUNDARY

-  PLANNED SANITARY SEWER SERVICE AREA

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.
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NOTE: This map replaces Map 3-8, page 14, of *Amendment to the Regional Water Quality Management Plan—Town of Salem*, March 2001.

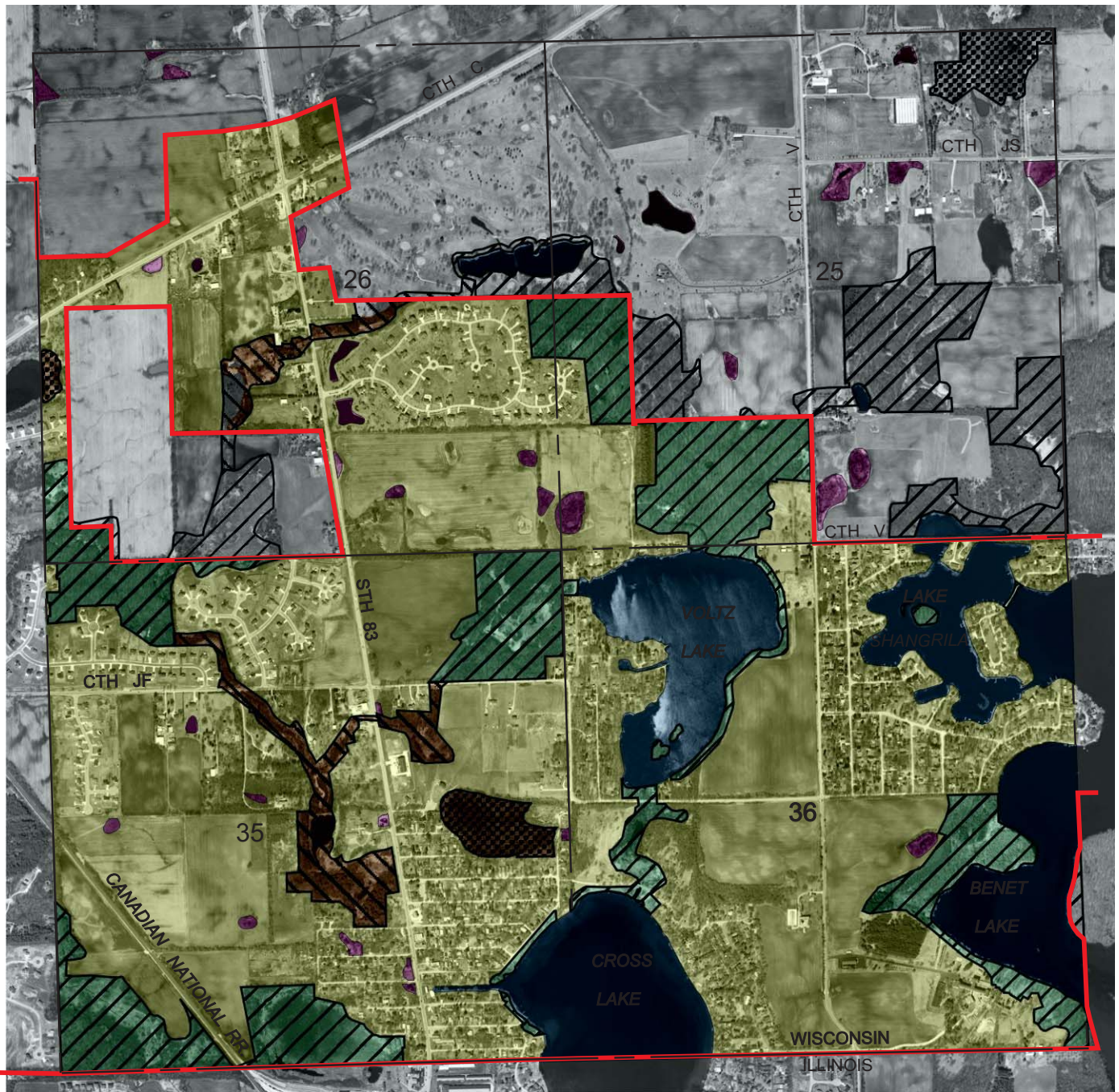


Source: SEWRPC.







Map 3

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE TOWN OF SALEM AND ENVIRONS

**U. S. Public Land Survey Sections 25, 26, 35, and 36
Township 1 North, Range 20 East**





Photography Date: April 2005

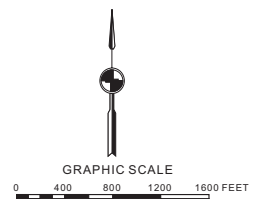
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NOTE: This map replaces Map 3-19, page 25, of Amendment to the Regional Water Quality Management Plan—Town of Salem, March 2001.



Source: SEWRPC.