

**AMENDMENT TO THE**

**REGIONAL WATER QUALITY  
MANAGEMENT PLAN**

**VILLAGE OF TWIN LAKES**

**AS ADOPTED BY THE**

**SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION**

**DECEMBER 2005**

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REGIONAL PLANNING COMMISSION**

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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 (Twin Lakes 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 Village of Twin Lakes, and the Town of Randall

This is to certify that at the meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Milwaukee Public Museum, Milwaukee, Wisconsin, on the 7th day of December 2005, the Commission did by unanimous vote of all Commissioners present, being 14 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 Twin Lakes 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 December 2005.

Thomas H. Buestrin, Chairman  
Southeastern Wisconsin  
Regional Planning Commission

ATTEST:

Philip C. Evenson, Deputy Secretary

**RESOLUTION NO. 2005-18**

**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 (TWIN LAKES 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 15th day of June 1987, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Twin Lakes sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 149, *Sanitary Sewer Service Area for the Village of Twin Lakes, Kenosha County, Wisconsin*, dated May 1987, as amended; and

WHEREAS, by letter dated September 15, 2005, the Village of Twin Lakes requested that the Commission amend the Twin Lakes 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 Village of Twin Lakes to Amend the Twin Lakes 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 Village of Twin Lakes and the Regional Planning Commission on October 17, 2005; 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 15th day of June 1987 to include the refined Twin Lakes sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 149, 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.

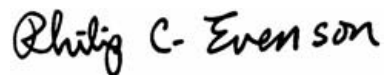
THIRD: That a true, correct, and exact copy of this resolution, together with the aforementioned SEWRPC staff memorandum, shall be forthwith distributed to each of the local legislative bodies of the local governmental units within the Region entitled thereto and to such other bodies, agencies, or individuals 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 December 2005, the vote being: Ayes 14; Nays 0.



Thomas H. Buestrin, Chairman

ATTEST:



Philip C. Evenson, Deputy Secretary

## SEWRPC STAFF MEMORANDUM

### RESPONSE TO REQUEST BY THE VILLAGE OF TWIN LAKES TO AMEND THE TWIN LAKES SANITARY SEWER SERVICE AREA

#### INTRODUCTION AND BACKGROUND

By letter dated September 15, 2005, the Village of Twin Lakes requested that the Southeastern Wisconsin Regional Planning Commission amend the sanitary sewer service area tributary to the Village of Twin Lakes sewage treatment facility. That area is currently documented in SEWRPC Community Assistance Planning Report No. 149, *Sanitary Sewer Service Area for the Village of Twin Lakes, Kenosha County, Wisconsin*, dated May 1987, as amended. The basic purpose of this amendment would be to include within the planned Twin Lakes sanitary sewer service area certain lands located immediately adjacent to, but outside, the currently adopted sewer service area to include certain lands proposed to be developed for residential use and certain existing urban lands now served by onsite sewage disposal systems.

#### AREA DESCRIPTION

The area proposed to be added to the Twin Lakes sanitary sewer service area is shown with a red hatch pattern on Map 1. This area encompasses a total of 154 acres located in U.S. Public Land Survey Sections 14, 15, and 22, Township 1 North, Range 19 East. Approximately 96 acres of the subject area are located within the Village of Twin Lakes, and 58 acres are located within the Town of Randall in the unincorporated community of Bassett. The subject area is comprised of the following:

- 37 acres of environmentally significant lands, including one acre of primary environmental corridor and 36 acres of secondary environmental corridor
- 25 acres that is the site of the abandoned Village of Twin Lakes wastewater treatment ponds, which is expected to be retained in open space use
- 61 acres of developable land, including 11 acres in Bassett and 50 acres in the Village of Twin Lakes
- 31 acres of existing residential and commercial development (including associated street rights of way), currently served by onsite sewage disposal systems, in the Bassett area

It is envisioned that the developable land within the subject area will be devoted to residential use, accommodating an estimated 175 housing units with a population of about 450 persons. In addition, the Bassett area currently includes about 25 existing housing units with an estimated population of 60 persons. Thus, a total of 510 persons would be added to the population of the Twin Lakes sanitary sewer service area.

The proposed addition to the sewer service area and the environmentally significant lands within are shown in detail on Map 2.

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

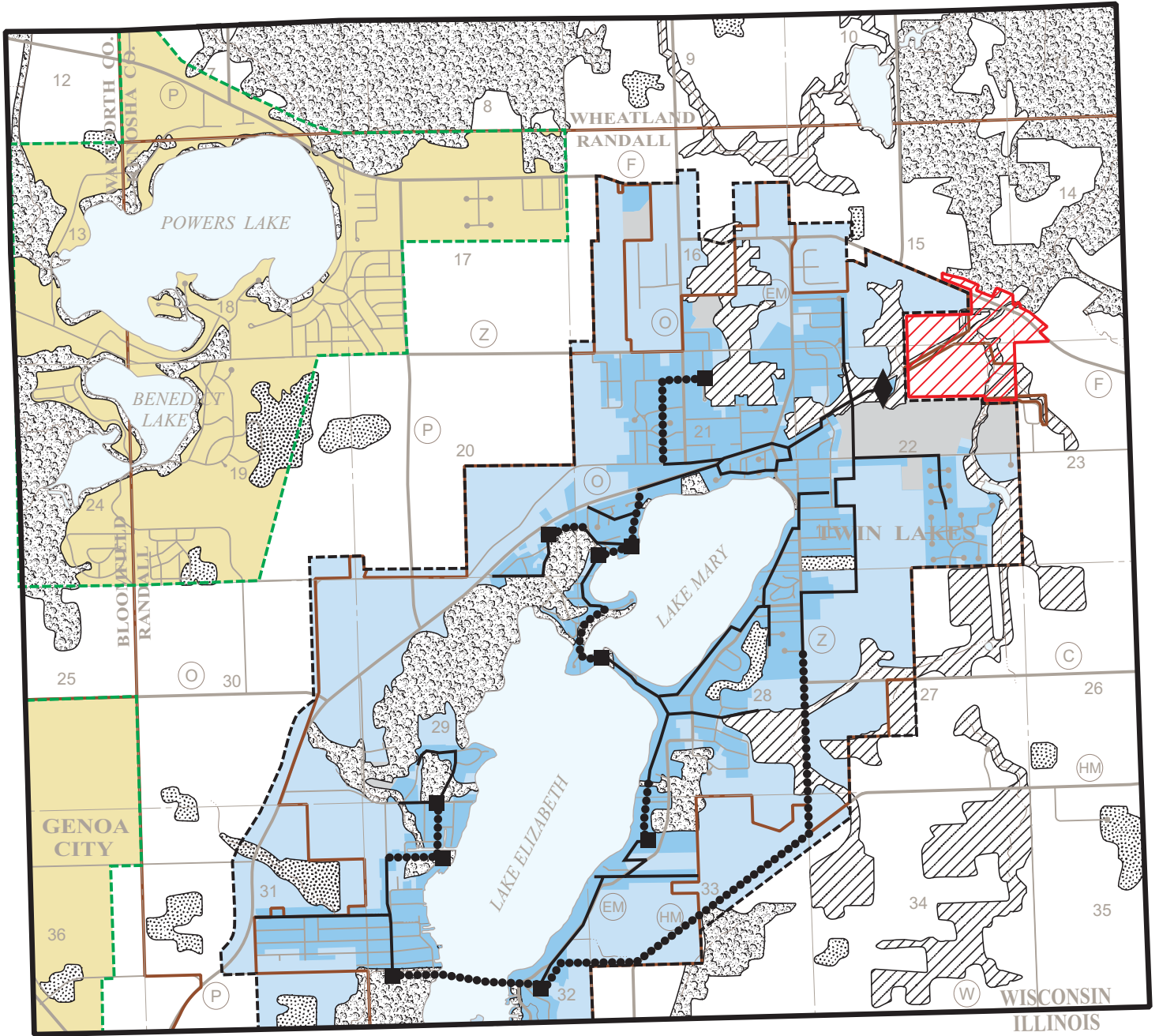
With the proposed addition, the total area of the Twin Lakes sewer service area would increase by about 3 percent. The buildout population of the expanded sewer service area—that is, the estimated population which could be accommodated upon full development of the sewer service area—would remain within the year 2020 population projection range for this area embodied in the regional land use plan.

#### WATER QUALITY IMPACTS

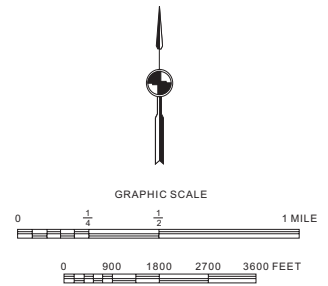
Under the adopted regional water quality management plan and the Twin Lakes sanitary sewer service area plan presented herein, it is envisioned that all new urban development within the planned urban service area would receive sanitary sewer service. In addition, public sanitary sewer service would be provided to those lands within

Map 1

PROPOSED AMENDMENT TO THE TWIN LAKES SANITARY SEWER SERVICE AREA



- PRIMARY ENVIRONMENTAL CORRIDOR
- SECONDARY ENVIRONMENTAL CORRIDOR
- ISOLATED NATURAL RESOURCE AREA
- EXISTING AREA SERVED BY TWIN LAKES SANITARY SEWER SYSTEM: 2000
- TWIN LAKES PLANNED SANITARY SEWER SERVICE AREA
- AIRPORTS, LARGE PARK AND RECREATION SITES, AND SIMILAR USES WITHIN THE SEWER SERVICE AREA
- TWIN LAKES PLANNED SANITARY SEWER SERVICE AREA BOUNDARY
- EXISTING TRUNK SEWER
- EXISTING FORCE MAIN
- EXISTING PUMPING STATION
- EXISTING PUBLIC SEWAGE TREATMENT FACILITY
- LANDS TO PROPOSED BE ADDED TO THE TWIN LAKES SANITARY SEWER SERVICE AREA
- OTHER PLANNED SANITARY SEWER SERVICE AREAS



Source: SEWRPC.

the planned sanitary sewer service area which are already developed and served by onsite sewage disposal systems. This may be expected to reduce the pollutant loadings from the existing onsite sewage disposal systems to both surface and ground waters. Accordingly, assuming that any 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 areas proposed to be added to the planned sanitary sewer service area.

#### COST EFFECTIVENESS ANALYSIS

The proposed addition to the Twin Lakes sanitary sewer service area is situated immediately adjacent to the currently approved sewer service area tributary to the Village of Twin Lakes sewage treatment plant. The nearest other public sanitary sewer systems, those operated by the Villages of Genoa City and Silver Lake, and the Town of Salem, are all located approximately 3 to 5 miles from the subject area. No further analysis is deemed necessary to conclude that the subject area would be most cost effectively served through connection to the Village of Twin Lakes sewerage system.

#### SEWAGE TREATMENT PLANT CAPACITY ANALYSIS

The existing Village of Twin Lakes sewage treatment facility was upgraded in 2000 and has a hydraulic design capacity of 1.30 million gallons per day (mgd) on an average annual flow basis. The current flow rate is 0.70 mgd on an average annual basis. The anticipated sewage flow to be generated in the area proposed to be added to the Twin Lakes sewer service area is expected to be about 0.07 mgd on an average annual basis. Thus, the treatment plant has adequate capacity to treat sewage flows from the subject area.

#### PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on October 17, 2005 at the Twin Lakes Village Hall to receive public comment on, and reaction to, the proposed plan amendment. The hearing was sponsored by the Village of Twin Lakes and the Regional Planning Commission. A summary of the plan amendment was presented prior to receiving public comment, including a description of the lands proposed to be added to the sewer service area and any environmentally significant land located within.

At the public hearing, comments were concerned with an area of the Town of Randall, located within the area proposed to be added to the sewer service area, which includes the unincorporated settlement of Bassett. Residents of that area expressed concerns about having to be annexed to the Village of Twin Lakes as a condition of receiving sewer service. It was also noted by Town residents that the Bassett area would benefit economically from being included in the Twin Lakes sewer service area and receiving sanitary sewer service. Village officials indicated that adding the Bassett area to the sewer service area was consistent with the joint village/town comprehensive plan, but indicated that the Village would continue cooperative efforts with the Town on land use planning and boundary issues. The Town Chairman, present at the hearing, expressed support for the amendment to the Twin Lakes sewer service area, and indicated that he was opposed to annexation of Town territory to the Village as a condition for receiving sewer service. No other issues were raised at the hearing and no changes were made to the proposed plan amendment as presented at the public hearing.

#### LOCAL GOVERNMENT SUPPORT FOR THE PLAN AMENDMENT

The Board of Trustees of the Village of Twin Lakes adopted the plan amendment on October 17, 2005.

#### CONCLUDING RECOMMENDATION

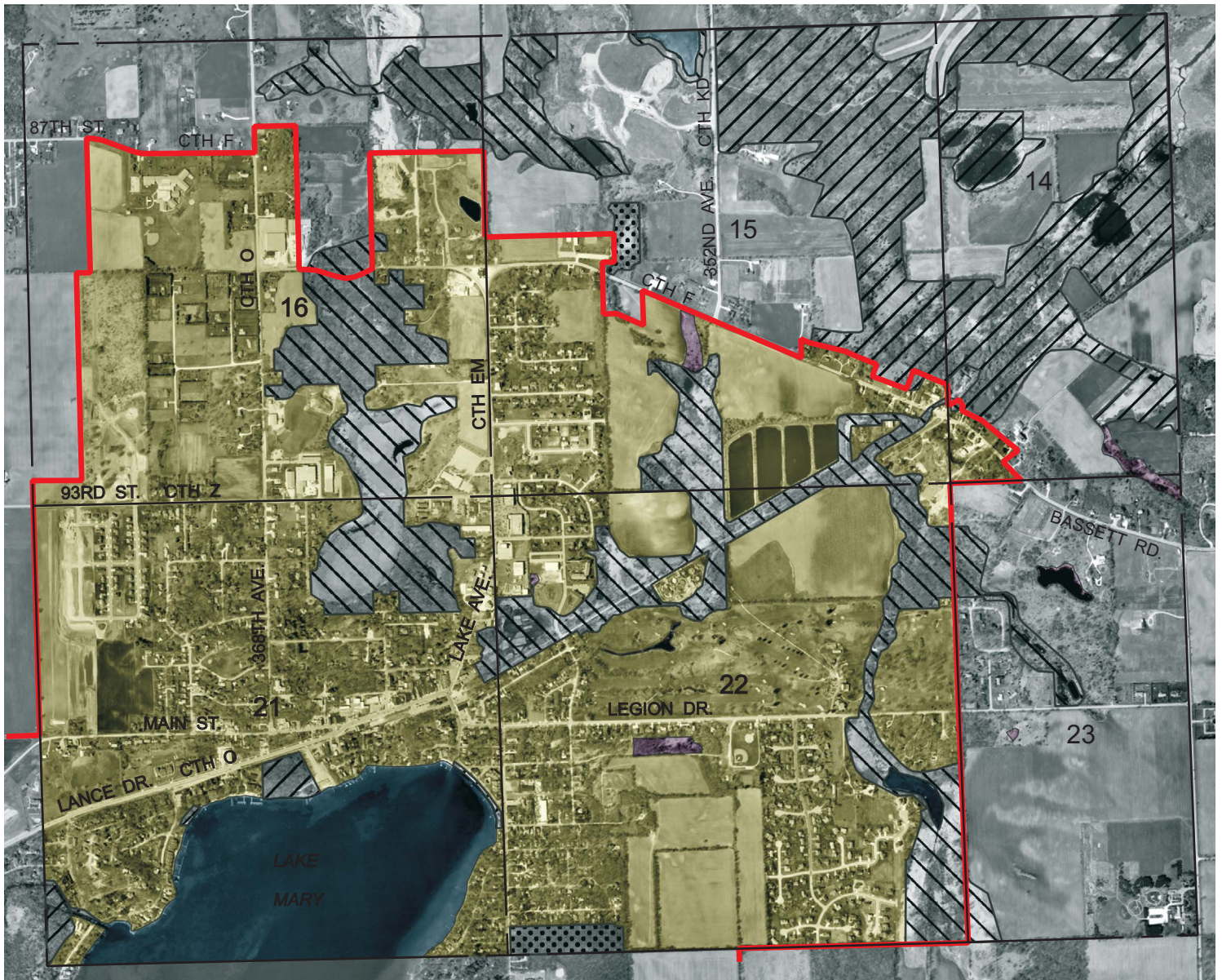
Based on the foregoing, it is recommended that the Southeastern Wisconsin Regional Planning Commission formally amend the sanitary sewer service area for the Village of Twin Lakes as documented in SEWRPC Community Assistance Planning Report No. 149 in the manner identified on Map 1.










Map 2

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE VILLAGE OF TWIN LAKES

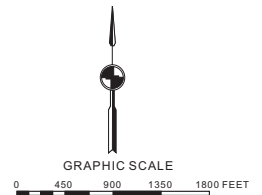
U. S. Public Land Survey Sections 15, 16, 21, and 22, and West Half of Sections 14 and 23  
Township 1 North, Range 19 East



Photography Date: April 2000

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

NOTE: This map replaces Maps 8-7 and 8-8, pages 29 and 30, of SEWRPC Community Assistance Planning Report No. 149, *Sanitary Sewer Service Area for the Village of Twin Lakes, Kenosha County, Wisconsin*, May 1987.



Source: SEWRPC.