

AMENDMENT TO THE

REGIONAL WATER QUALITY

MANAGEMENT PLAN

EAGLE LAKE

SEWER UTILITY DISTRICT

AS ADOPTED BY THE

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

SEPTEMBER, 1999

RACINE CO.
KENOSHA CO.

DOVER
BRIGHTON

KANSASVILLE

ROSEWOOD

NORWAY
DOVER

BEAUMONT

DOVER
WATERFOWL
REFUGE

EAGLE
LAKE

EAGLE
LAKE
MANOR

SOUTHERN
WISCONSIN
25
CENTER

DOVER
YORKVILLE

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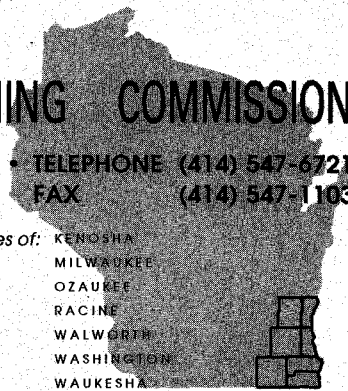
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Philip C. Evenson, AICP Executive Director
Kenneth R. Yunker, PE Assistant Director
Robert P. Biebel, PE Chief Environmental Engineer
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Leland H. Kreblin, RLS Chief Planning Illustrator
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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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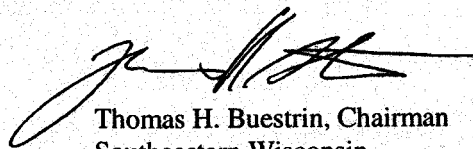


SUBJECT: Certification of Amendment to the Adopted Regional Water Quality Management Plan (Eagle Lake Sanitary Sewer Service Area)

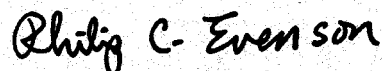
TO: The Legislative Bodies of Concerned Local Units of Government within the Southeastern Wisconsin Region, namely: the County of Racine and the Town of Dover

This is to certify that at the meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Walworth County Courthouse, Elkhorn, Wisconsin, on the 15th day of September 1999, the Commission did by unanimous vote by 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 sanitary sewer service area for the Eagle Lake Sewer Utility District 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 16th day of September 1999.


Thomas H. Buestrin, Chairman
Southeastern Wisconsin
Regional Planning Commission

ATTEST:



Philip C. Evenson, Deputy Secretary

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RESOLUTION NO. 99-14

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 (EAGLE LAKE 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 18th day of January 1993, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Eagle Lake sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 206, Sanitary Sewer Service Area for the Eagle Lake Sewer Utility District, Racine County, Wisconsin, December 1992, as amended; and

WHEREAS, by letter dated July 27, 1999, the Eagle Lake Sewer Utility District requested that the Commission amend the Eagle Lake 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 Eagle Lake Sewer Utility District to Amend the Eagle Lake 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 Eagle Lake Sewer Utility District and the Regional Planning Commission on August 30, 1999; 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;

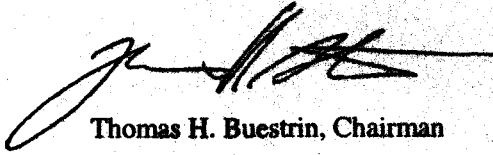
NOW, THEREFORE, BE IT HEREBY RESOLVED:

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 18th day of January 1993 as set forth in SEWRPC Community Assistance Planning Report No. 206, 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 15th day of September 1999, the vote being: Ayes 17; Nays 0.



Thomas H. Buestrin, Chairman

ATTEST:

Philip C. Evenson

Philip C. Evenson, Deputy Secretary

SEWRPC STAFF MEMORANDUM

RESPONSE TO REQUEST BY THE EAGLE LAKE SEWER UTILITY DISTRICT TO AMEND THE EAGLE LAKE SANITARY SEWER SERVICE AREA

INTRODUCTION AND BACKGROUND

By letter dated July 27, 1999, the Eagle Lake Sewer Utility District requested that the Southeastern Wisconsin Regional Planning Commission amend the Eagle Lake sanitary sewer service area tributary to the Eagle Lake Sewer Utility District sewage treatment facility. That area is currently documented in SEWRPC Community Assistance Planning Report No. 206, Sanitary Sewer Service Area for the Eagle Lake Sewer Utility District, Racine County, Wisconsin, dated December 1992, as amended. The basic purpose of this amendment would be to include within the planned Eagle Lake 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 Eagle Lake sanitary sewer service area encompasses 16.5 acres of land located in U.S. Public Land Survey Sections 34 and 35, Township 3 North, Range 20 East, in the Town of Dover, and is shown with a red hatch pattern on Map 1. There are no environmentally significant lands located within the subject area. The subject area contains two existing housing units, and six additional housing units are proposed. Thus, addition of the subject area to the sewer service area would result in the addition of a maximum of 8 housing units with a population of about 20 persons.

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

The proposed addition of 16.5 acres to the Eagle Lake sanitary sewer service area represents a minor increase in the planned sewer service area of less than one percent, and the associated population of 20 persons represents only a marginal increase in the resident population of the sewer service area. Thus, the areal extent and planned population of the Eagle Lake sewer service area would remain essentially unchanged.

WATER QUALITY IMPACTS

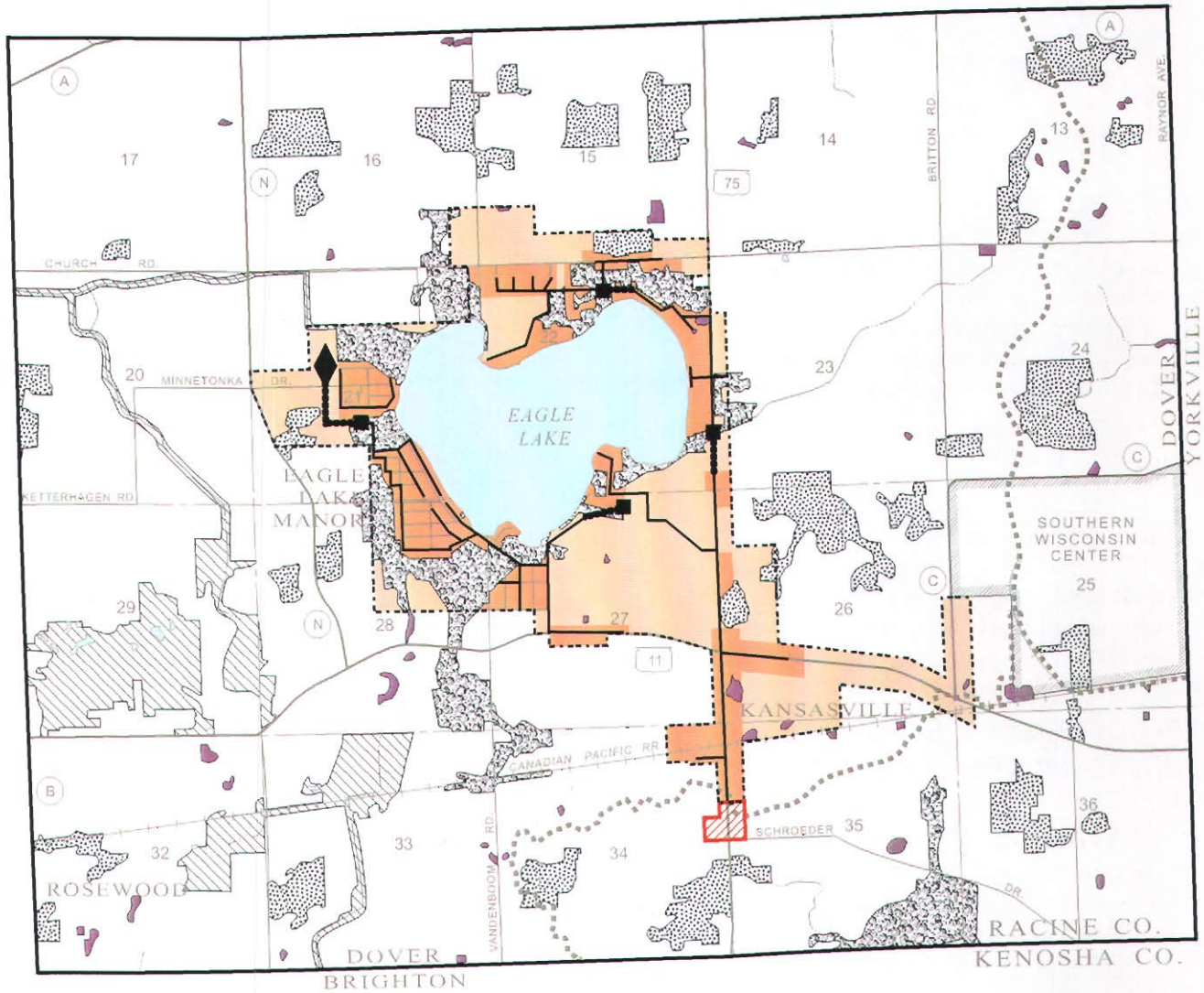
Under the adopted regional water quality management plan and the refined sanitary sewer service area plan herein set forth, it is envisioned that all urban lands within the planned urban service area would receive sanitary sewer service. In addition, the provision of public sanitary sewer service to 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 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 planned sanitary sewer service area.













COST-EFFECTIVENESS ANALYSIS

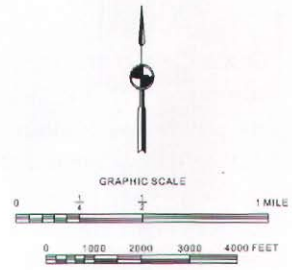
The proposed addition to the Eagle Lake sanitary sewer service area lies immediately adjacent to the currently approved sewer service area and to an existing sewer tributary to the Eagle Lake Sewer Utility District sewerage system. The nearest other public sanitary sewer system, the Village of Union Grove system, is located approximately 1.5 miles east of 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 Eagle Lake Sewer Utility District sewerage system.

Map 1

RECOMMENDED REVISION TO THE EAGLE LAKE SANITARY SEWER SERVICE AREA



- | | | | |
|---|--|---|---|
|  | PRIMARY ENVIRONMENTAL CORRIDOR |  | LANDS TO BE ADDED TO THE CURRENTLY ADOPTED EAGLE LAKE SANITARY SEWER SERVICE AREA |
|  | SECONDARY ENVIRONMENTAL CORRIDOR |  | CURRENTLY APPROVED SANITARY SEWER SERVICE AREA BOUNDARY |
|  | ISOLATED NATURAL RESOURCE AREA |  | EXISTING PUBLIC SEWAGE TREATMENT FACILITY |
|  | WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE |  | EXISTING GRAVITY SEWER |
|  | EXISTING AREA SERVED BY EAGLE LAKE SEWER UTILITY DISTRICT SEWERS, 1995 |  | EXISTING FORCE MAIN |
|  | PLANNED SANITARY SEWER SERVICE AREA, 2020 |  | EXISTING PUMPING STATION |



Source: SEWRPC.

SEWERAGE SYSTEM CAPACITY IMPACT ANALYSIS

The Eagle Lake Sewer Utility District sewage treatment plant has a design capacity of 0.40 million gallons per day (mgd) on an average annual basis. The current average annual flow rate is about 0.19 mgd maximum and monthly average flows of about 0.34 mgd have been experienced. The anticipated sewage flow to be generated in the area proposed to be added to the Eagle Lake sewer service area may be expected to be less than 0.01 mgd on an average annual basis. Thus, the impact of the proposed addition on the sewage treatment plant capacity is not significant.

It should be noted that the planned year 2020 population of the Eagle Lake sewer service area is estimated to result in maximum monthly average and peak hourly flows that will exceed the existing plant design capacity. Expansion and improvement of the plant may thus become necessary, depending upon the actual rate of urban growth experienced within the planned sewer service area. Continued review of the District plant operations and of the State-required compliance maintenance report should provide a sound basis for determining timing of the initiation of a facility planning program to explore plant expansion and improvement alternatives, and to recommend the best means of providing the needed expansion and improvement.

PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on August 30, 1999, at the Dover Town Hall to receive public comment on, and reaction to, the proposed plan amendment. The hearing was sponsored by the Eagle Lake Sewer Utility District of the Town of Dover and the Regional Planning Commission.

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

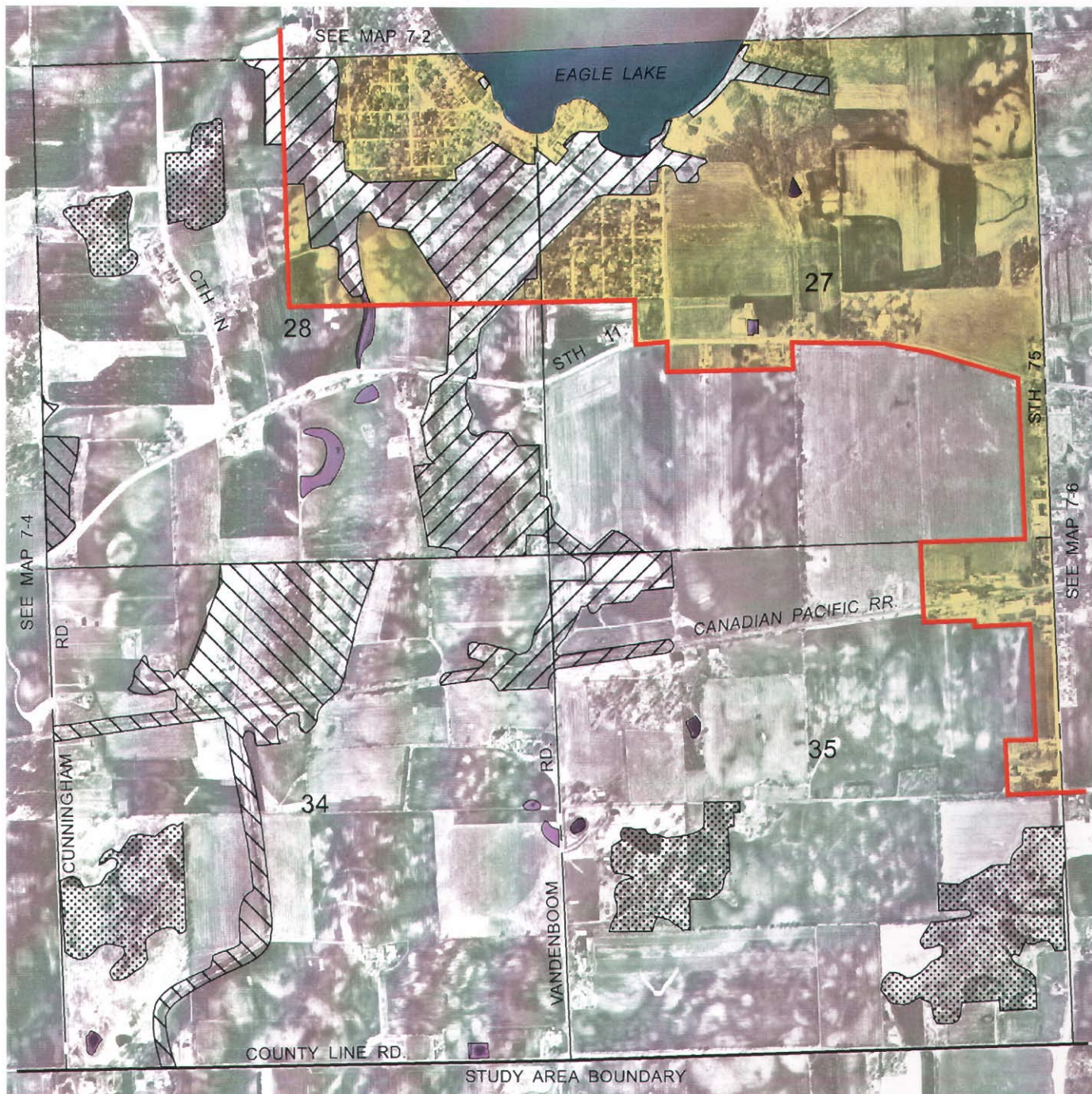
The Eagle Lake Sewer Utility District of the Town of Dover adopted the plan amendment on August 30, 1999.





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 Eagle Lake Sewer Utility District as documented in SEWRPC Community Assistance Planning Report No. 206 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 aerial photographs reproduced as Maps 2 and 3.

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE EAGLE LAKE SEWER UTILITY DISTRICT AND ENVIRONS

**U. S. Public Land Survey Sections 27, 28, 33, and 34
Township 3 North, Range 20 East**

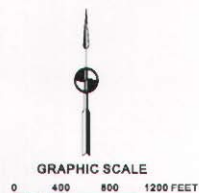


-  PRIMARY ENVIRONMENTAL CORRIDOR
-  SECONDARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL RESOURCE AREA
-  WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE

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

NOTE: This map replaces Map 7-5, page 23, SEWRPC Community Assistance Planning Report No. 206, Sanitary Sewer Service Area for the Eagle Lake Sewer Utility District, Racine County, Wisconsin, December 1992.

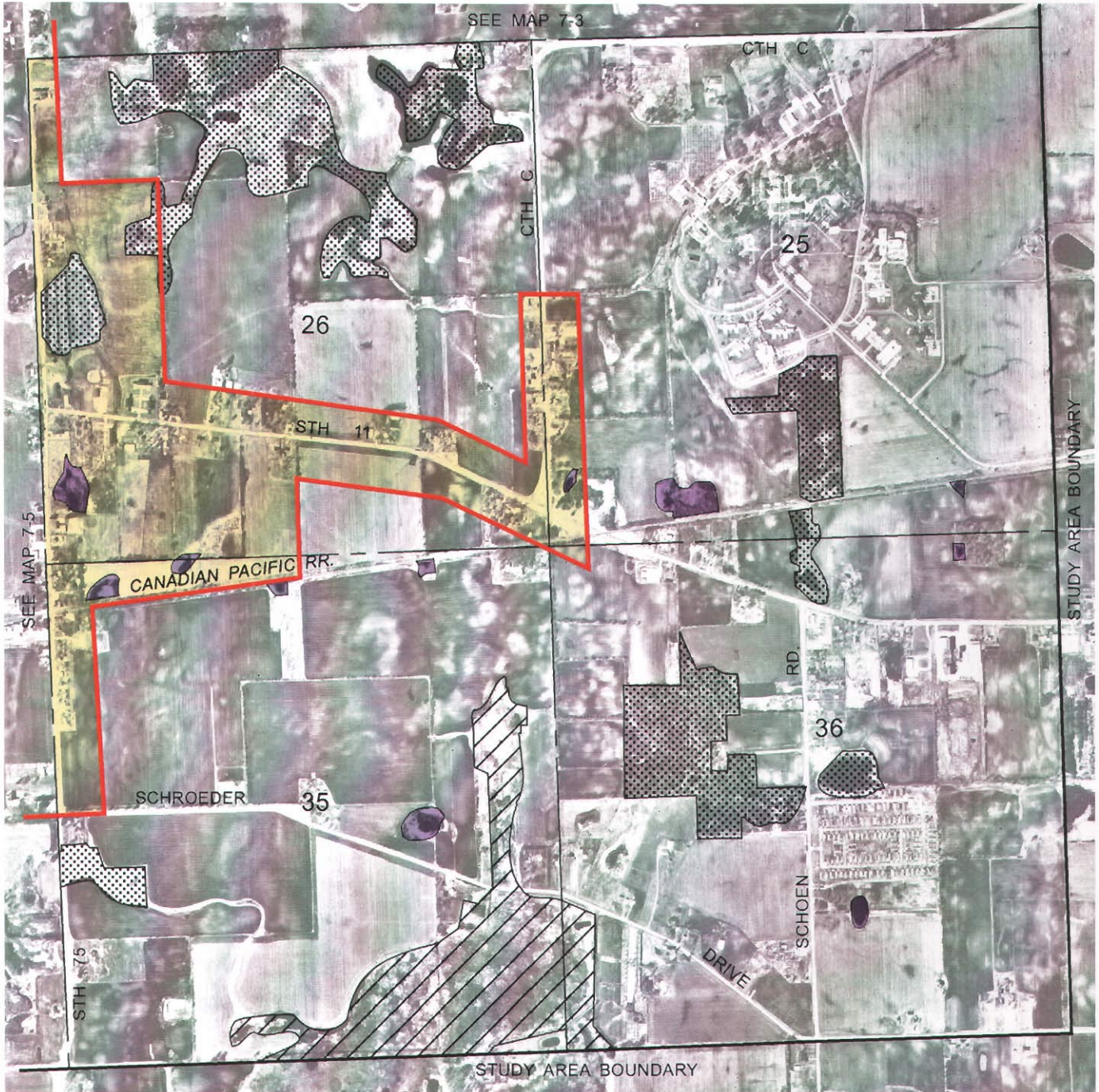
Source: SEWRPC.








Map 3

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE EAGLE LAKE SEWER UTILITY DISTRICT AND ENVIRONS

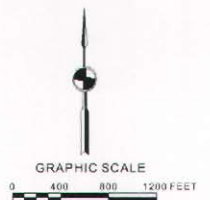
U. S. Public Land Survey Sections 25, 26, 35, and 36
Township 3 North, Range 20 East



-  PRIMARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL RESOURCE AREA
-  WETLANDS AND SURFACE WATER AREAS LESS THAN 5 ACRES IN SIZE

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

NOTE: This map replaces Map 7-6, page 24, SEWRPC Community Assistance Planning Report No. 206, Sanitary Sewer Service Area for the Eagle Lake Sewer Utility District, Racine County, Wisconsin, December 1992.



Source: SEWRPC.