

AMENDMENT TO THE

**REGIONAL WATER QUALITY
MANAGEMENT PLAN**

**WALWORTH COUNTY
METROPOLITAN SEWERAGE
DISTRICT/ELKHORN SANITARY
SEWER SERVICE AREA**

AS ADOPTED BY THE

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

SEPTEMBER 2002

**SOUTHEASTERN WISCONSIN
REGIONAL PLANNING COMMISSION**

KENOSHA COUNTY

Leon T. Dreger
Thomas J. Gorlinski
Sheila M. Siegler

MILWAUKEE COUNTY

Daniel J. Diliberti
William R. Drew,
Vice-Chairman
David A. Novak

OZAUKEE COUNTY

Leroy A. Bley
Thomas H. Buestrin, Chairman
Gus W. Wirth, Jr.

WAUKESHA COUNTY

Duane H. Bluemke
Kenneth C. Herro
Paul G. Vrakas

RACINE COUNTY

Richard A. Hansen
Jean M. Jacobson,
Secretary
James E. Moyer

WALWORTH COUNTY

Anthony F. Balestrieri
Allen L. Morrison,
Treasurer
Robert J. Voss

WASHINGTON COUNTY

Kenneth F. Miller
Daniel S. Schmidt
Peter D. Ziegler

**SOUTHEASTERN WISCONSIN REGIONAL
PLANNING COMMISSION STAFF**

Philip C. Evenson, AICP Executive Director
Kenneth R. Yunker, PE Assistant Director
Nancy M. Anderson, AICP. Chief Community Assistance Planner
Robert E. Beglinger. Chief Transportation Planner
Robert P. Biebel, PE, PH. Chief Environmental Engineer
Leland H. Kremlin, RLS. Chief Planning Illustrator
Elizabeth A. Larsen Business Manager
John G. McDougall Geographic Information Systems Manager
John R. Meland Chief Economic Development Planner
Donald M. Reed Chief Biologist
William J. Stauber, AICP Chief Land Use Planner

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

W239 N1812 ROCKWOOD DRIVE • PO BOX 1607 • WAUKESHA, WI 53187-1607 •

TELEPHONE (262) 547-6721
FAX (262) 547-1103

Serving the Counties of:

KENOSHA
MILWAUKEE
OZAUKEE
RACINE
WALWORTH
WASHINGTON
WAUKESHA



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

TO: The Legislative Bodies of Concerned Local Units of Government within the Southeastern Wisconsin Region, namely: the County of Walworth, the City of Elkhorn, and the Walworth County Metropolitan Sewerage District.

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 Elkhorn 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. 2002-11

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 (ELKHORN 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 4th day of December 1991, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Elkhorn sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 56 (2nd Edition), *Sanitary Sewer Service Areas for the Walworth County Metropolitan Sewerage District, Walworth County, Wisconsin*, November 1991, as amended; and

WHEREAS, by letter dated May 28, 2002, the Walworth County Metropolitan Sewerage District requested that the Commission amend the Elkhorn 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 Walworth County Metropolitan Sewerage District to Amend the Elkhorn 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 Walworth County Metropolitan Sewerage District and the Regional Planning Commission on August 13, 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;

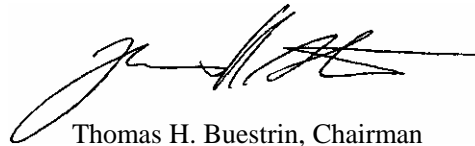
NOW, THEREFORE, BE IT HEREBY RESOLVED:

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 4th day of December 1991 to include the refined Elkhorn sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 56 (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.

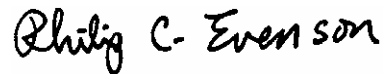
THIRD: That a true, correct, and exact copy of this resolution, together with the aforereferenced SEWRPC staff memorandum, shall be forthwith distributed to each of the local legislative bodies of the local governmental units within the Region entitled thereto and to such other bodies, agencies, or individuals 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 WALWORTH COUNTY METROPOLITAN SEWERAGE DISTRICT TO AMEND THE ELKHORN SANITARY SEWER SERVICE AREA

INTRODUCTION AND BACKGROUND

By letter dated May 28, 2002, the Walworth County Metropolitan Sewerage District (WalCoMet) requested that the Southeastern Wisconsin Regional Planning Commission amend the Elkhorn sanitary sewer service area as that area is currently documented in SEWRPC Community Assistance Planning Report No. 56 (2nd Edition), *Sanitary Sewer Service Areas for the Walworth County Metropolitan Sewerage District, Walworth County, Wisconsin*, dated November 1991, as amended. The basic purpose of the amendment would be to include within the planned 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 Elkhorn sanitary sewer service area encompasses 40 acres located southwest of the intersection of STH 11 and USH 12 in U.S. Public Land survey Section 31, Township 3 North, Range 17 East, in the City of Elkhorn (see Map 1). The subject 40-acre area does not include any environmental corridor or isolated natural resource areas, but does include 3 acres of small wetlands. Most of the remainder is anticipated to be developed to accommodate the proposed new Elkhorn Middle School.

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

The proposed addition of 40 acres to the Elkhorn sanitary sewer service area represents an increase in the planned sewer service area of less than one percent, with no increases in the resident population of the sewer service area. Thus, the areal extent and planned resident population of the Elkhorn sanitary sewer service area would not change significantly.

WATER QUALITY IMPACTS

Under the adopted regional water quality management plan and the refined Elkhorn 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. 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.

COST-EFFECTIVENESS ANALYSIS

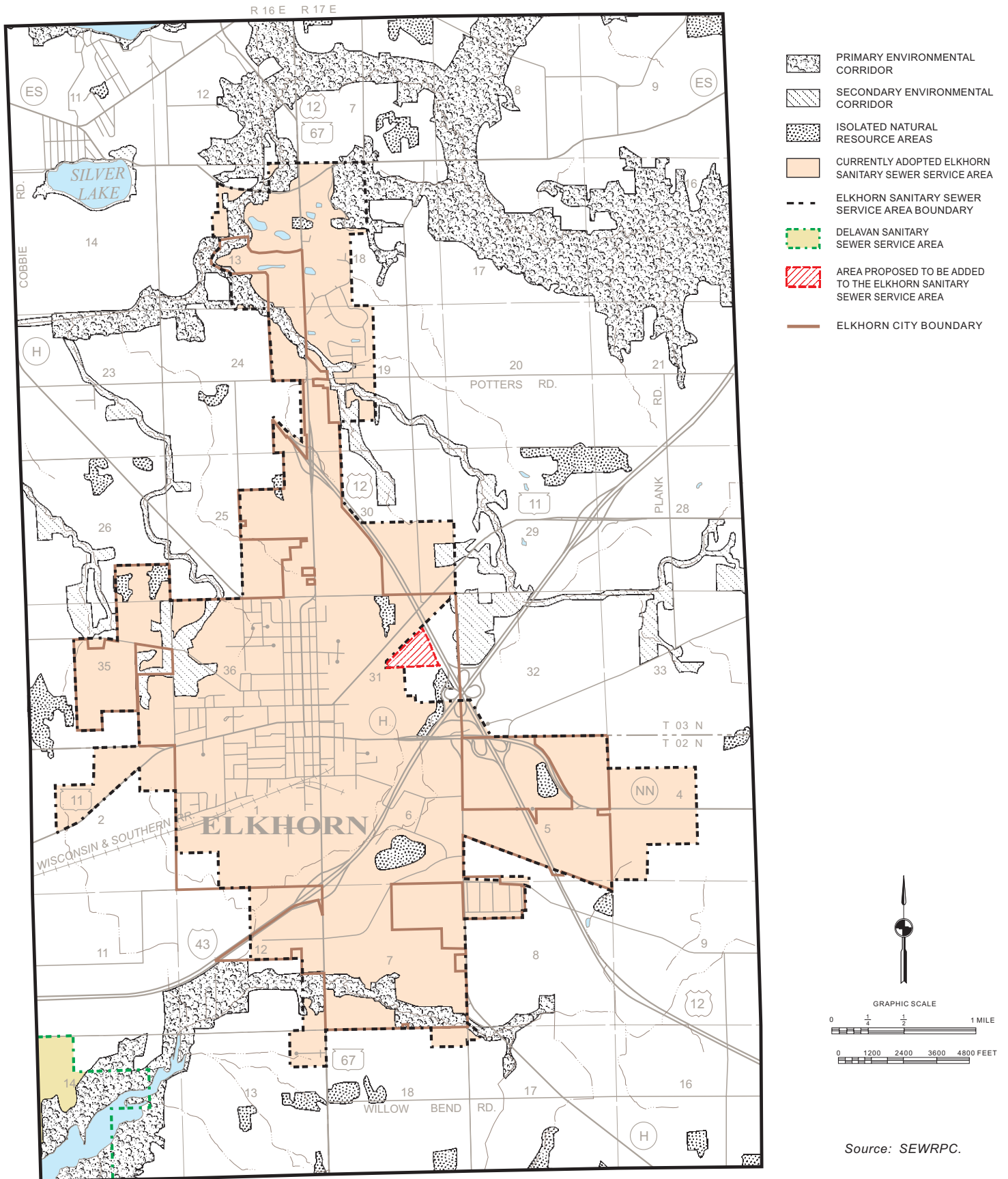
The proposed addition to the Elkhorn sanitary sewer service area is immediately adjacent to the currently approved sewer service area. The nearest other public sanitary sewer systems, the City of Delavan and the City of Lake Geneva systems, are both located approximately 5 miles from the subject area. No further analysis is deemed necessary to conclude that the most cost-effective means of providing public sanitary sewer service to the subject area is via City of Elkhorn sewers.

SEWAGE TREATMENT PLANT CAPACITY IMPACT ANALYSIS

Sewage from the Elkhorn area is treated at the WalCoMet sewage treatment facility located in the City of Delavan. The WalCoMet sewage treatment plant has a hydraulic design capacity of 5.75 million gallons per day (mgd) on an average annual basis. The current hydraulic loading to the plant is about 4.1 mgd on an average annual basis. The

Map 1

RECOMMENDED AMENDMENT TO THE ELKHORN SANITARY SEWER SERVICE AREA



anticipated sewage flow to be generated in the area proposed to be added to the Elkhorn sewer service area may be expected to be about 13,000 gallons per day (0.013 mgd) on an average daily basis. It should be noted that the WalCoMet sewage treatment facility is designed to accommodate increased sewage flows during the summer months because of the area's significant seasonal population—primarily in the Delavan Lake, Geneva National, and Williams Bay areas. Sewage flows from school facilities tend to be highest during the fall, winter, and spring months, and thus can be considered to occupy excess sewage treatment plant capacity during that portion of the year, in the absence of the summer seasonal population. 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 August 13, 2002, at the WalCoMet offices to receive public comment on, and reaction to, the proposed plan amendment. The hearing was sponsored by the WalCoMet 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 lands located within, along with a description of potential impacts for the WalCoMet 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 Board of Commissioners of the Walworth County Metropolitan Sewerage District adopted the plan amendment on August 13, 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 Elkhorn area as documented in SEWRPC Community Assistance Planning Report No. 56 (2nd Edition), as amended, 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

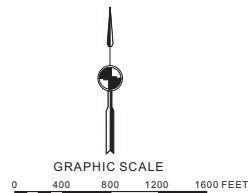
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE CITY OF ELKHORN AND ENVIRONS

Northeast Quarter of U. S. Public Land Survey Section 31
Township 3 North, Range 17 East



Photography Date: April 2000

- | | | | |
|---|---|--|--|
|  | SECONDARY ENVIRONMENTAL CORRIDOR |  | PLANNED SANITARY SEWER SERVICE AREA |
|  | ISOLATED NATURAL RESOURCE AREA |  | GROSS SANITARY SEWER SERVICE AREA BOUNDARY |
|  | WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE | NOTE: This map replaces the corresponding portion of Map 9, page 15 of Amendment to the Regional Water Quality Management Plan—Walworth County Metropolitan Sewerage District/Elkhorn Sanitary Sewer Service Area, March 1995. | |



Source: SEWRPC.