

AMENDMENT TO THE

**REGIONAL WATER QUALITY
MANAGEMENT PLAN**

VILLAGE OF MUKWONAGO

AS ADOPTED BY THE

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

SEPTEMBER 2003

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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 (Mukwonago Sanitary Sewer Service Area)

TO: The Legislative Bodies of Concerned Local Units of Government within the Southeastern Wisconsin Region, namely: the County of Waukesha, the Village of Mukwonago, and the Towns of Mukwonago and Vernon.

This is to certify that at the meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Ozaukee County Administration Building, Port Washington, Wisconsin, on the 10th day of September 2003, 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 Mukwonago 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 11th day of September 2003.

Thomas H. Buestrin, Chairman
Southeastern Wisconsin
Regional Planning Commission

ATTEST:

Philip C. Evenson, Deputy Secretary

RESOLUTION NO. 2003-13

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 (MUKWONAGO 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 1990, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Mukwonago sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 191, *Sanitary Sewer Service Area for the Village of Mukwonago, Waukesha County, Wisconsin*, November 1990, as amended; and

WHEREAS, by letters dated February 26, 2001 and June 24, 2003, the Village of Mukwonago requested that the Commission amend the Mukwonago 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 Mukwonago to Amend the Mukwonago 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 Mukwonago and the Regional Planning Commission on September 2, 2003; 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;

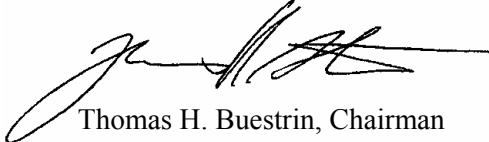
NOW, THEREFORE, BE IT HEREBY RESOLVED:

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 1990 to include the refined Mukwonago sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 191, 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.

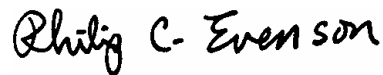
THIRD: That a true, correct, and exact copy of this resolution, together with the aforementioned SEWRPC staff memorandum, shall be forthwith distributed to each of the local legislative bodies of the local governmental units within the Region entitled thereto and to such other bodies, agencies, or individuals 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 10th day of September 2003, the vote being: Ayes 12; Nays 0.



Thomas H. Buestrin, Chairman

ATTEST:



Philip C. Evenson, Deputy Secretary

SEWRPC STAFF MEMORANDUM

RESPONSE TO REQUEST BY THE VILLAGE OF MUKWONAGO TO AMEND THE MUKWONAGO SANITARY SEWER SERVICE AREA

INTRODUCTION AND BACKGROUND

Over the past several years, the Regional Planning Commission staff has been working cooperatively with the Village of Mukwonago in revising the Village's planned sanitary sewer service area. That area is currently documented in SEWRPC Community Assistance Planning Report No. 191, *Sanitary Sewer Service Area for the Village of Mukwonago, Waukesha County, Wisconsin*, dated November 1990, as amended. Under consideration at this time are proposals to expand the Village of Mukwonago sewer service area to the north and to the east, to include certain lands identified by the Village in letters to the Commission dated February 26, 2001, and June 24, 2003.

AREA DESCRIPTION

The areas proposed to be added to the Mukwonago sanitary sewer service area are identified by the red hatch pattern on Map 1. The subject areas encompass a total of 875 acres, and include 47 acres of existing urban land and 416 acres of environmentally significant lands. The environmentally significant lands are comprised of 365 acres of primary environmental corridor, 19 acres of isolated natural resource areas, and 32 acres of farmed floodplain that are envisioned to eventually revert to a natural condition and become part of the adjacent primary environmental corridor when agricultural operations cease. The farmed floodplain areas are included in the designated primary environmental corridor on Map 1.

Of the remainder of 412 acres, consisting of developable land located outside environmentally significant areas, 45 acres are anticipated to be preserved in open space use and 367 acres are anticipated to be developed for residential use. When fully developed, the planned residential portion of the areas proposed to be added to the Mukwonago sewer service area would accommodate about 660 housing units with a population of about 1,550 persons.

A more detailed delineation of the amended sewer service area and of the environmentally significant lands within is shown on the aerial photographs reproduced as Maps 2 and 3. The boundaries of the environmentally significant lands on these maps have been updated to reflect conditions in 2000.

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

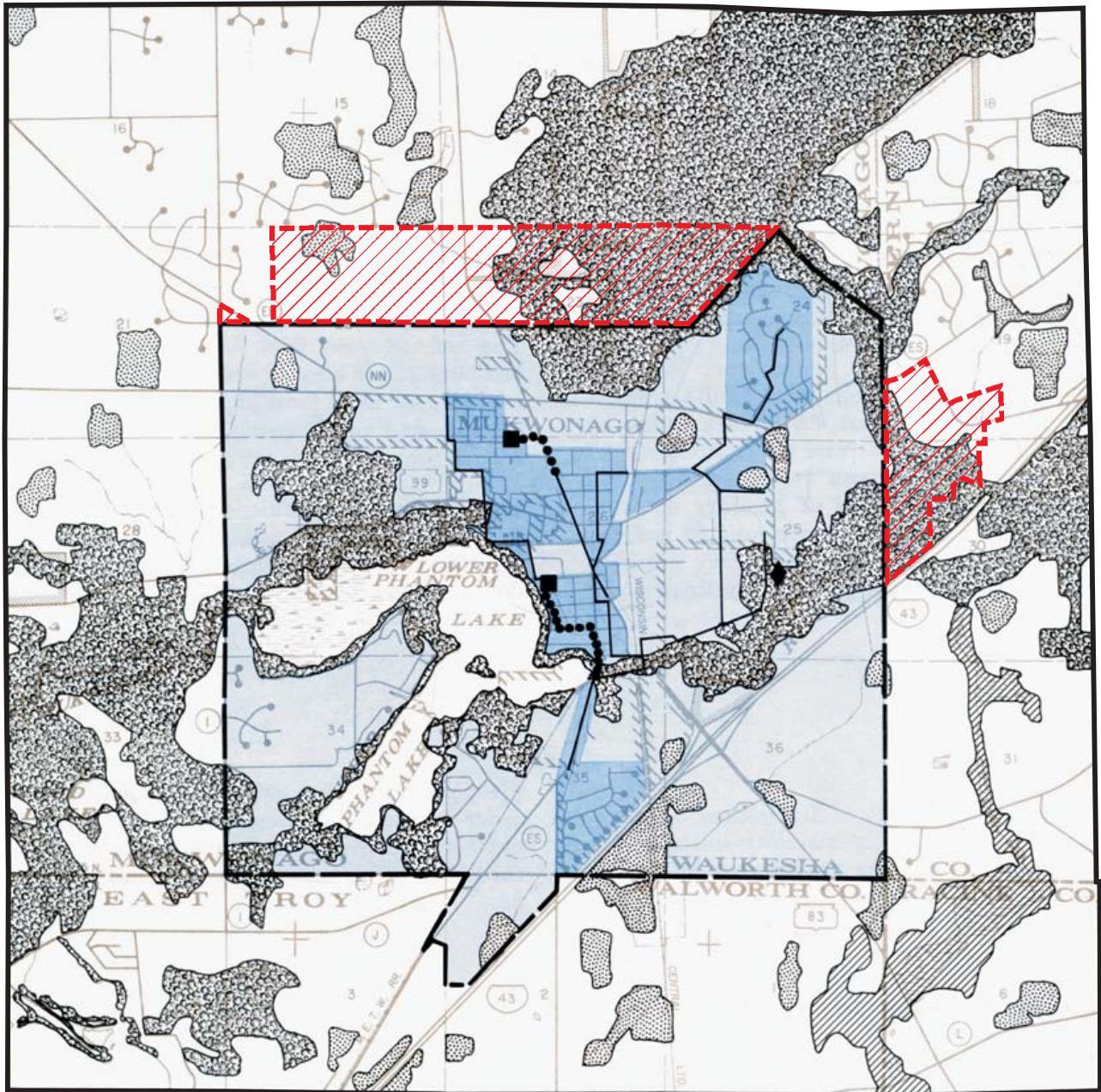
The proposed addition of 860 acres to the Mukwonago sanitary sewer service area represents an increase in the planned sewer service area of 17 percent. As noted above, about half of the areas proposed to be added are comprised of environmentally significant lands that are expected to remain in essentially open space use. Including the potential population of the areas proposed to be added to the sewer service area at this time, the buildout population of the 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 the Mukwonago area embodied in the regional land use plan.












WATER QUALITY IMPACTS

Under the adopted regional water quality management plan and the amended Mukwonago sanitary sewer service area plan presented herein, 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

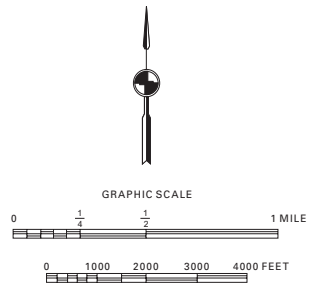
Map 1

RECOMMENDED AMENDMENT TO THE MUKWONAGO SANITARY SEWER SERVICE AREA



- | | | | |
|---|--|---|--|
|  | PRIMARY ENVIRONMENTAL CORRIDOR |  | PLANNED SANITARY SEWER SERVICE AREA BOUNDARY |
|  | SECONDARY ENVIRONMENTAL CORRIDOR |  | EXISTING TRUNK SEWER |
|  | ISOLATED NATURAL RESOURCE AREA |  | EXISTING FORCE MAIN |
|  | EXISTING AREA SERVED BY PUBLIC SANITARY SEWER SYSTEM: 1990 |  | EXISTING PUMPING STATION |
|  | PLANNED SANITARY SEWER SERVICE AREA |  | EXISTING PUBLIC SEWAGE TREATMENT FACILITY |
| | |  | LANDS TO BE ADDED TO THE CURRENTLY ADOPTED MUKWONAGO SANITARY SEWER SERVICE AREA |

Source: SEWRPC.



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.

COST EFFECTIVENESS ANALYSIS

The proposed additions to the Mukwonago sanitary sewer service area are immediately adjacent to the currently approved sewer service area tributary to the Village of Mukwonago sewage treatment plant. The nearest other public sanitary sewer system, operated by the Village of East Troy, is located about 4 to 6 miles from the subject areas. Consequently, no further analysis is deemed necessary to conclude that the subject areas would be served most cost-effectively through connection to the Village of Mukwonago sewerage system.

SEWAGE TREATMENT PLANT CAPACITY ANALYSIS

The Village of Mukwonago sewage treatment plant has a hydraulic design capacity of 1.5 million gallons per day (mgd) on an average annual basis. The current flow rate is about 0.75 mgd on an average annual basis. The anticipated sewage flow to be generated within the areas proposed to be added to the sewer service area, with an attendant population of 1,550 persons, may be expected to be about 0.20 mgd on an average annual basis. Thus, the treatment plant has adequate capacity to treat sewage flows from the subject areas.

PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on September 2, 2003 at the Mukwonago Village Hall to receive public comment on, and reaction to, the proposed plan amendment. The hearing was sponsored by the Village of Mukwonago 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 Village's sewerage system.

A review of the hearing records 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 Trustees of the Village of Mukwonago adopted the plan amendment on September 2, 2003.

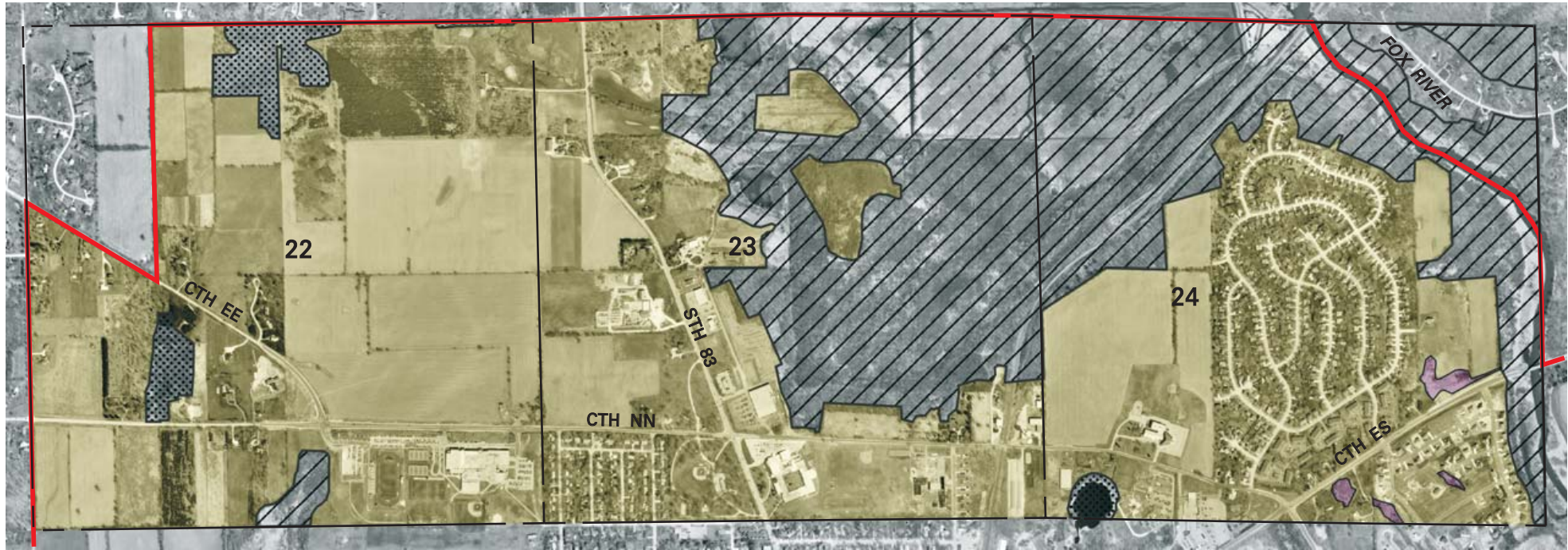
CONCLUDING RECOMMENDATION

Based upon the foregoing, it is recommended that the Southeastern Wisconsin Regional Planning Commission formally amend the sanitary sewer service area for the Village of Mukwonago as documented in SEWRPC Community Assistance Planning Report No. 191, in the manner identified on Map 1. A more detailed delineation of the amended sewer service area and of the environmentally significant lands within is shown on the aerial photographs reproduced as Maps 2 and 3 on the following pages of the report.






Map 2

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

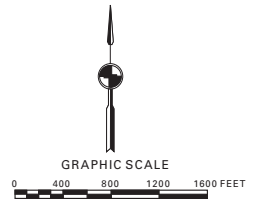
U. S. Public Land Survey Sections 22, 23, and 24 – Township 5 North, Range 18 East



Photography Date: April 2000

-  PRIMARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL RESOURCE AREA
-  WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE
-  GROSS SANITARY SEWER SERVICE AREA BOUNDARY
-  PLANNED SANITARY SEWER SERVICE AREA

NOTE: This map replaces the corresponding portions of Maps 7-1 and 7-2, pages 20 and 21, of SEWRPC Community Assistance Planning Report No. 191, *Sanitary Sewer Service Area for the Village of Mukwonago, Waukesha County, Wisconsin*, November 1990.

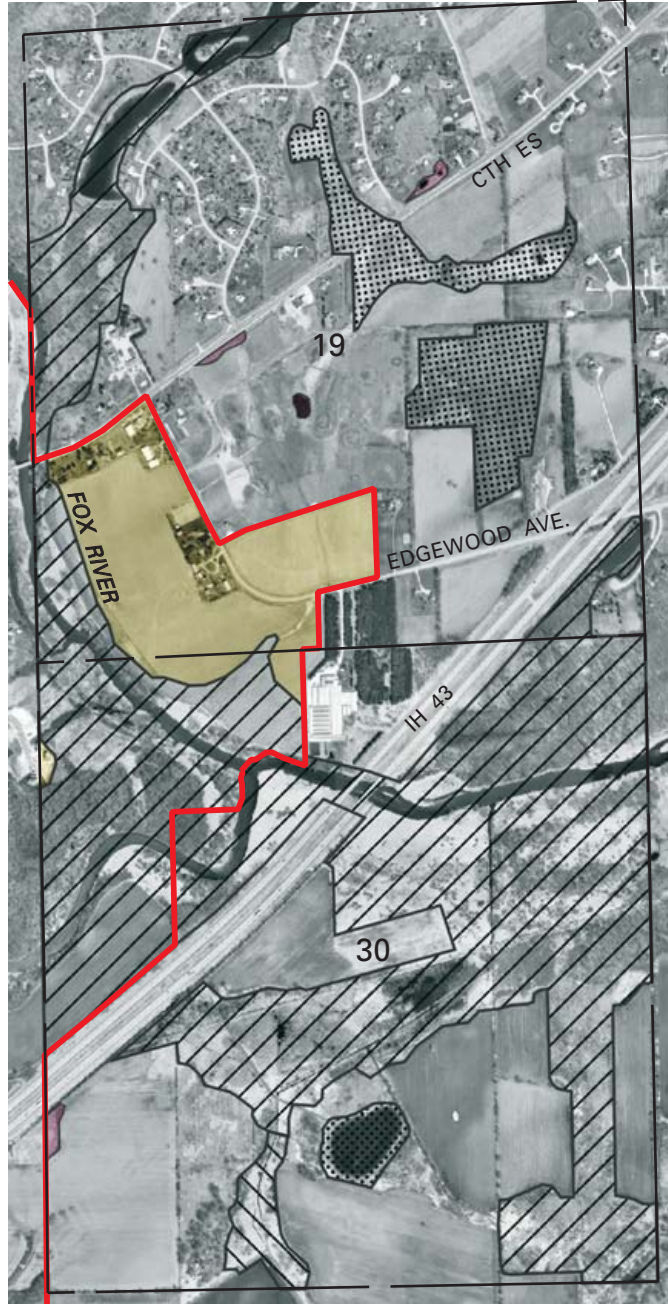


Source: SEWRPC.







Map 3

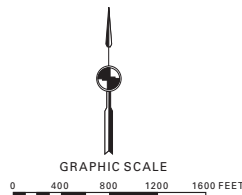
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE VILLAGE OF MUKWONAGO

U. S. Public Land Survey Sections 19 and 30
Township 5 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
-  GROSS SANITARY SEWER SERVICE AREA BOUNDARY
-  PLANNED SANITARY SEWER SERVICE AREA



Source: SEWRPC.

NOTE: This map replaces the corresponding portions of Maps 7-3 and 7-6, pages 22 and 25, of SEWRPC Community Assistance Planning Report No. 191, Sanitary Sewer Service Area for the Village of Mukwonago, Waukesha County, Wisconsin, November 1990.