

**AMENDMENT TO THE  
REGIONAL WATER QUALITY  
MANAGEMENT PLAN--2000**

**VILLAGE OF HARTLAND  
AND LAKE PEWAUKEE  
SANITARY DISTRICT**

**AS ADOPTED BY THE  
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION**

**MARCH 1994**

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# SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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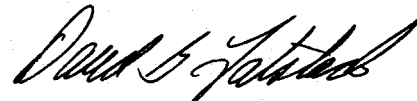
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**SUBJECT:** Certification of Amendment to the Adopted Regional Water Quality Management Plan (Hartland and Pewaukee Sanitary Sewer Service Areas)

**TO:** The Legislative Bodies of Concerned Local Units of Government within the Southeastern Wisconsin Region, namely: the County of Waukesha, the City of Brookfield, the Village of Hartland, the Town of Delafield, the Lake Pewaukee Sanitary District, and the Delafield-Hartland Water Pollution Control Commission

This is to certify that at the quarterly meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Walworth County Courthouse, Elkhorn, Wisconsin, on the 9th day of March 1994, the Commission did by unanimous vote by all Commissioners present, being 16 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. The said amendment to the regional water quality management plan pertains to the proposed Hartland and Pewaukee sanitary sewer service areas 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 10th day of March 1994.



David B. Falstad, Chairman  
Southeastern Wisconsin  
Regional Planning Commission

ATTEST:



Kurt W. Bauer, Deputy Secretary

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**RESOLUTION NO. 94-9**

**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 COMPRISED OF THE COUNTIES OF KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH WASHINGTON, AND WAUKESHA IN THE STATE OF WISCONSIN (HARTLAND AND PEWAUKEE SANITARY SEWER SERVICE AREAS)**

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 17th day of June 1985, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Hartland sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 93, Sanitary Sewer Service area for the Village of Hartland, Waukesha County, Wisconsin, April 1985; and

WHEREAS, at a meeting held on the 17th day of June 1985, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Pewaukee sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 113, Sanitary Sewer Service area for the Town of Pewaukee Sanitary District No. 3, Lake Pewaukee Sanitary District, and the Village of Pewaukee, Waukesha County, Wisconsin, June 1985; and

WHEREAS, by letter dated December 22, 1993, the Lake Pewaukee Sanitary District requested that the Commission amend the Hartland and Pewaukee sanitary sewer service areas to effect an exchange between those areas, removing an area envisioned for residential purposes as part of a proposed subdivision, all in the northeast one-quarter of U. S. Public Land Survey Section 11, Township 7 North, Range 18 East, Town of Delafield, from the Hartland sewer service area and adding such lands to the adjacent Pewaukee 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 Lake Pewaukee Sanitary District to Amend the Hartland and Pewaukee Sanitary Sewer Service Areas," attached hereto and made a part hereof, which memorandum concludes that the plan amendment requested by the Lake Pewaukee Sanitary District is sound and in the public interest; 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 17th day of June 1985 to include the initial refined Hartland and Pewaukee sanitary sewer service areas as set forth in SEWRPC Community Assistance Planning Report Nos. 93 and 113, respectively, 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 Industry, Labor and Human Relations 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 9th day of March 1994, the vote being: Ayes 16; Nays 0.



David B. Falstad, Chairman  
Southeastern Wisconsin  
Regional Planning Commission

ATTEST:



Kurt W. Bauer, Deputy Secretary



## SEWRPC STAFF MEMORANDUM

### RESPONSE TO REQUEST BY THE LAKE PEWAUKEE SANITARY DISTRICT TO AMEND THE HARTLAND AND PEWAUKEE SANITARY SEWER SERVICE AREAS

#### INTRODUCTION

By letter dated December 22, 1993, the Lake Pewaukee Sanitary District requested that the Southeastern Wisconsin Regional Planning Commission amend the sanitary sewer service areas attendant to the Brookfield Fox River Water Pollution Control Center and Delafield-Hartland Water Pollution Control Commission sewage treatment facilities as these areas are currently documented in SEWRPC Community Assistance Planning Report No. 113, Sanitary Sewer Service Area for the Town of Pewaukee Sanitary District No. 3, Lake Pewaukee Sanitary District, and Village of Pewaukee, Waukesha County, Wisconsin, June 1985, as amended, and SEWRPC Community Assistance Planning Report No. 93, Sanitary Sewer Service Area for the Village of Hartland, Waukesha County, Wisconsin, April 1985, as amended. The basic purpose of the amendment would be to remove an area from the Hartland sanitary sewer service area and add that area to the Pewaukee sanitary sewer service area to accommodate a proposed residential subdivision.

#### BACKGROUND

The Regional Planning Commission recognizes that, like other long-range plans, sanitary sewer service area plans should be periodically reviewed to assure that the plans continue to properly reflect regional and local development objectives. In addition, when it is determined by the operator of the sewage treatment facility, or by the local unit of government involved, that a sewer service area refinement or amendment is necessary, the operator of the sewage treatment facility, or the local unit of government involved, may request the Regional Planning Commission for assistance in undertaking the technical work required in the necessary sewer service area plan refinement or amendment effort.

#### AREA DESCRIPTION

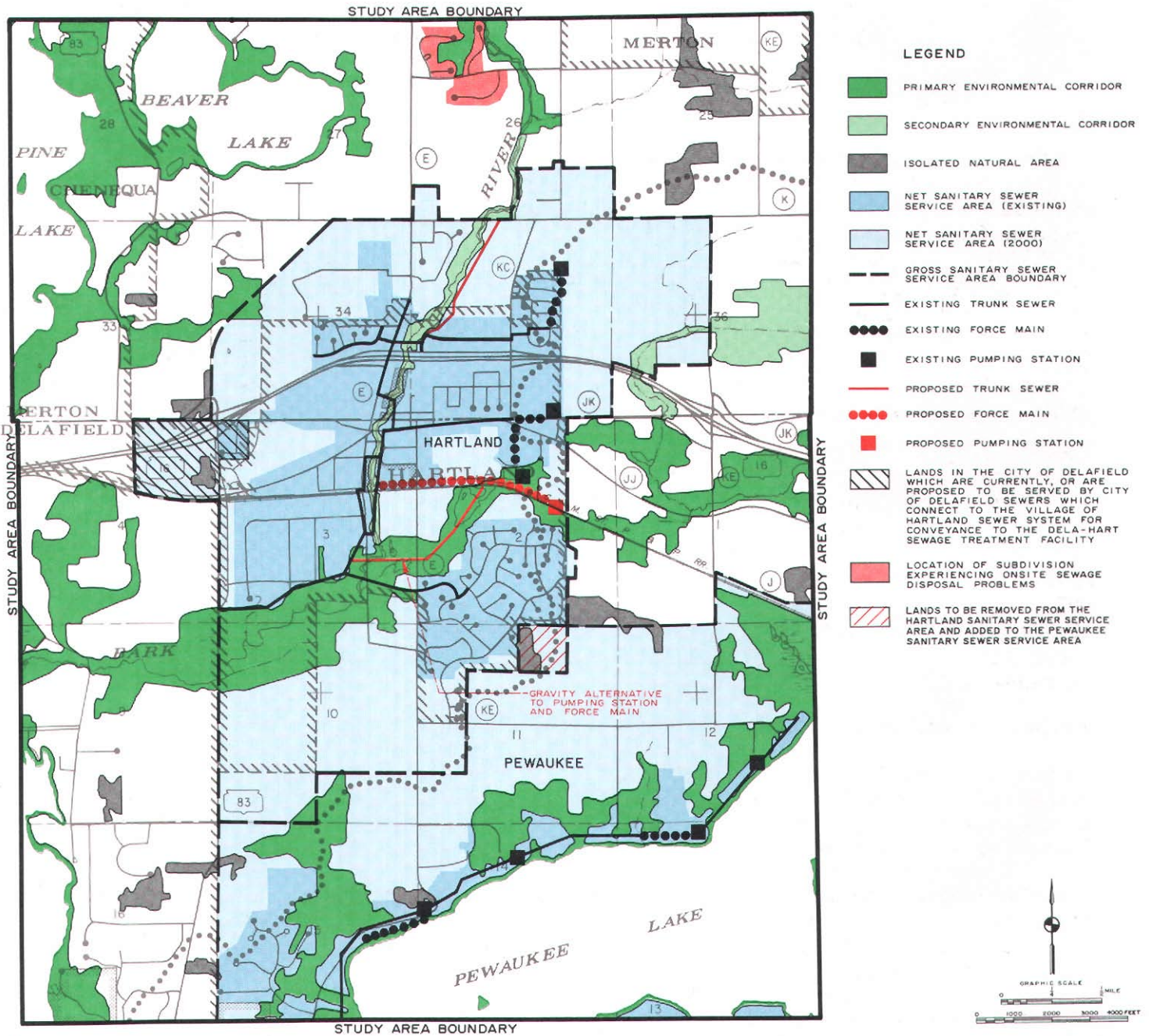
As shown on Map 1, the area proposed to be removed from the Hartland sanitary sewer service area and added to the Pewaukee sanitary sewer service area encompasses approximately 40 acres, located in the northeast one-quarter of U. S. Public Land Survey Section 11, Township 7 North, Range 18 East, Town of Delafield, Waukesha County, Wisconsin.

Currently about 25 acres, or about 63 percent of the area, is encompassed within agricultural and other open space uses. The remaining 15 acres, or about 37 percent of the area, are encompassed within an isolated natural resource area consisting of wetlands, woodlands, steep slopes, and significant wildlife habitat.

The subject 40-acre area is envisioned to be developed for residential uses as part of a proposed larger, 175-acre, single-family residential subdivision. Approximately 135 acres, or about 77 percent, of the proposed 175-acre subdivision already lie within the Pewaukee sewer service area and can most efficiently be provided with sewer service through the Lake Pewaukee Sanitary District sewerage collection and conveyance system. The developer has thus requested that the remaining 40 acres, currently located within the Hartland sewer service area, be removed from that sewer service area and added to the Pewaukee sewer service area. It should be noted that the isolated natural resource area located within the subject 40-acre area would, under the development proposal, be permanently preserved in a natural state, through incorporation of this area into an outlot of the land subdivision plat concerned.

Map 1

RECOMMENDED REVISION TO THE HARTLAND AND PEWAUKEE SANITARY SEWER SERVICE AREAS



Source: SEWRPC.



## WATER QUALITY IMPACTS

It is envisioned that all urban lands planned to be located within the Lake Pewaukee Sanitary District sewer service area would ultimately receive sanitary sewer service. The area to be removed from the Hartland sanitary sewer service area and added to the Pewaukee sanitary sewer service area is proposed to be developed for residential uses. Assuming proper site development and construction practices, including appropriate construction soil erosion and permanent nonpoint source control practices, and compatible development adjacent to the isolated natural resource area, there should be no significant adverse water quality impacts attributable to the development of the subject area.

## COST-EFFECTIVENESS ANALYSIS

The lands in question represent about 40 acres of a 175-acre residential development project. About 135 acres of the project currently lie within the Pewaukee sanitary sewer service area. The subject 40-acre area is located within the currently approved Hartland sanitary sewer service area and is also located immediately adjacent to the currently approved Pewaukee sanitary sewer service area. The 40-acre portion of the development site lies partially within the Pewaukee Lake subwatershed and partially within the Bark River subwatershed. The development plan for the site does not provide for any development within the isolated natural resource area located on the westerly one-third of the parcel. Site planning for the development indicates that all portions of the 40 acres in question proposed to be developed can be served by gravity sewers extended from the existing sewerage systems operated by the Lake Pewaukee Sanitary District. In addition, the 135-acre portion of the development site already located within the Pewaukee sewer service area can be most readily served through the Lake Pewaukee Sanitary District sewerage system. It should be noted that construction of a pumping station and force main system would be required for connection of the entire development project, as well as the subject area, if such lands were to be served through the Village of Hartland sewerage system. Furthermore, there is available capacity in the Lake Pewaukee Sanitary District's sewerage system to accommodate the sewage generated in the development parcel. Consequently, no further analyses were found to be required to conclude that the subject area would be sewered cost-effectively through the Lake Pewaukee Sanitary District sewerage system.

## SEWAGE TREATMENT PLANT CAPACITY IMPACT ANALYSIS

Sewage from the Lake Pewaukee Sanitary District is treated at the Brookfield Fox River Water Pollution Control Center. The Brookfield sewage treatment plant has a capacity to treat 10 million gallons of wastewater on an average daily basis. The current loading to the plant is about 7.0 million gallons per day (mgd). The anticipated sewage flow to be generated in the area to be added to the Pewaukee sewer service area is about 0.03 mgd upon full development. In addition, the City of Brookfield has initiated facility planning for a plant expansion and upgrading which will expand the plant capacity to the size needed by the year 2010. The loadings to be utilized for facility planning purposes will include contributions from the entire Lake Pewaukee Sanitary District sewer service area. The loadings from the subject area represent less than 1 percent of the plant loadings and thus are not significant when compared to the total design flow for the plant. The current and planned future capacity of the Brookfield sewage treatment plant includes provision for the area proposed to be added to the Pewaukee sewer service area.

## LOCAL GOVERNMENT SUPPORT FOR THE PLAN AMENDMENT

The proposed plan amendment was requested by, and is supported by, the Lake Pewaukee Sanitary District. In addition, the Delafield-Hartland Water Pollution Control Commission, by letter dated February 16, 1994; the Village of Hartland, by letter dated February 18, 1994; and the City of Brookfield, by letter dated February 25, 1994, all indicated their support of the plan amendment.

## CONCLUDING RECOMMENDATION

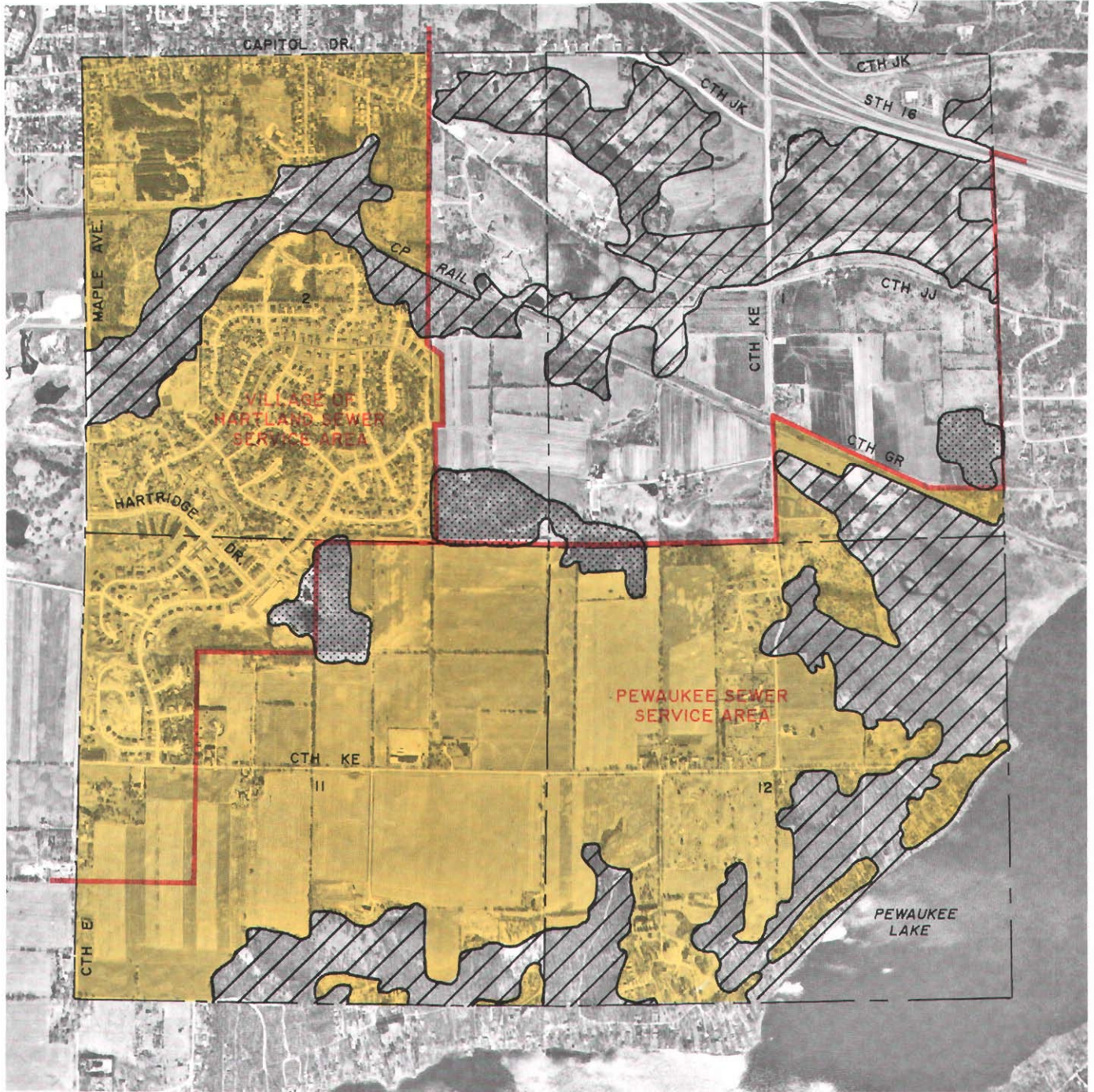
On the basis of the foregoing findings and positions of the local units of government involved, it is recommend that the Commission amend the regional water quality management plan in the manner identified on Map 1. A more detailed delineation of the revised sewer service area and of the environmentally significant lands therein is shown on an aerial photograph reproduced as Map 2.








Map 2

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED  
SANITARY SEWER SERVICE AREA FOR PEWAUKEE AND ENVIRONS

U. S. Public Land Survey Sections 1, 2, 11, and 12  
Township 7 North, Range 18 East



LEGEND

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

NOTE: This map replaces Map 8-4, page 28, SEWRPC Community Assistance Planning Report No. 93, Sanitary Sewer Service Area for the Village of Hartland, Waukesha County, Wisconsin, dated April 1985, and Map 8-7, page 32, SEWRPC Community Assistance Planning Report No. 113, Sanitary Sewer Service Area for the Town of Pewaukee Sanitary District No. 3, Lake Pewaukee Sanitary District, and Village of Pewaukee, Waukesha County, Wisconsin, dated June 1985.



Source: SEWRPC.