

CHAPTER 1

INTRODUCTION

At the request of the Town of Salem, R.A. Smith National, Inc. prepared the following Storm Water Management Plan for the Town of Salem. The intent of the project is to develop a storm water quantity and quality plan for the drainage area outlined on Figure 1-1. The goals of the Town of Salem Storm Water Management Plan fall into the following four areas:

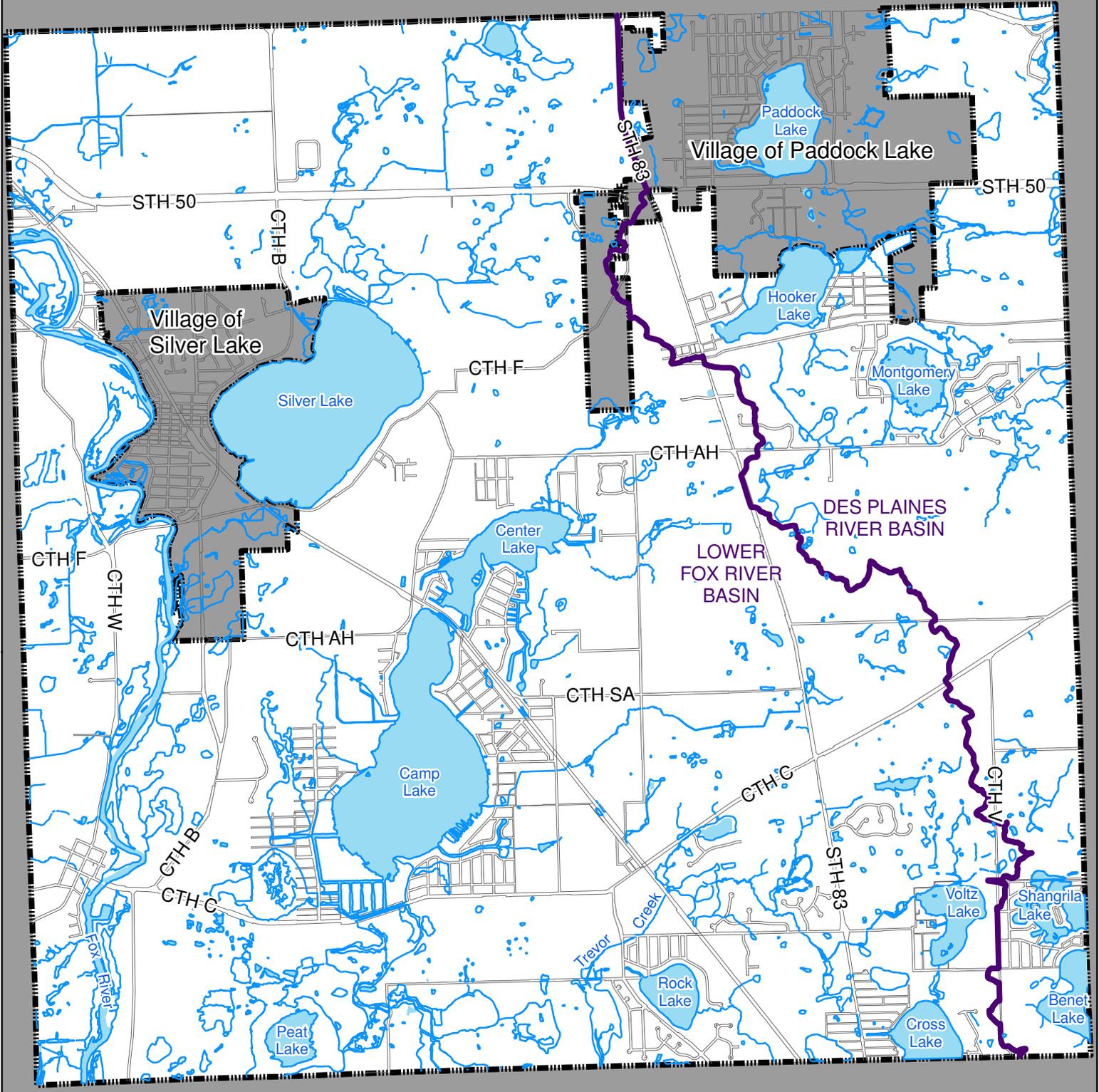
- I. Protect the water quality of the lakes and stream, the local wetlands, and groundwater.**
- II. Protect environmentally sensitive areas such as wetlands, fish and wildlife habitat, and environmental corridors.**
- III. Protect public and private property from the potential damages caused by storm water runoff.**
- IV. Provide the framework for compliance with the Wisconsin Pollutant Discharge Elimination System General Permit to discharge storm water from all portions of the Municipal Separate Storm Sewer System (MS4).**

The study area includes portions of the Fox River, Des Plaines River, and areas tributary to these waterways. The study area is approximately 20,684 acres (32.3 square miles) in size, and includes all of the area within the Town limits.

ORGANIZATION OF THE PLAN

The following plan discusses an overview of the project area, types of existing problems, alternatives for storm water management, and a recommended plan of action. The report is laid out in the following format:

- Chapter 1 Introduction
- Chapter 2 Project Goals and Objectives
- Chapter 3 Overview of the Study Area
- Chapter 4 Storm Water Quantity Analysis
- Chapter 5 Storm Water Quality Analysis
- Chapter 6 Storm Water Management Practices
- Chapter 7 Storm Water Utility Funding
- Chapter 8 Recommended Plan and Implementation Strategy



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**FIGURE 1-1
TOWN OF SALEM
STUDY AREA**

Legend

-  Municipal Boundary
-  Major Watershed Division



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PLANNING PROCESS

R.A. Smith National, Inc. developed the Town of Salem Storm Water Management Plan with the assistance of the staff of the Town of Salem. Staff members involved included:

- Patrick Casey, Town Administrator
- Mike Murdock, Department of Highways Supervisor
- Brad Zautcke, Planning and Land Use Administrator

RELATIONSHIP TO OTHER PLANS

The following Storm Water Management Plan is a refinement to several existing water resource plans addressing the study area. The related plans include:

- A Comprehensive Plan for the Fox River Watershed (SEWRPC, Planning Report 12, 1969)
- A Comprehensive Plan for the Des Plaines Watershed (SEWRPC, Planning Report 44, 2003)
- A Regional Water Quality Management Plan for Southeastern Wisconsin: An Update and Status Report (SEWRPC Memorandum Report No. 93, 1995)

The Town of Salem funded the following Storm Water Management Plan. The goals and objectives of the Storm Water Management Plan are outlined in Chapter 2 of this report.