

1.0 Executive Summary

This Local Surface Water Management Plan (LSWMP) for the City of Bloomington has been developed to meet local watershed management planning requirements of the Metropolitan Surface Water Management Act (Chapter 103B) and Board of Water and Soil Resources Rules 8410. It is developed to conform with the requirements of local watershed management organizations, Metropolitan Council requirements, Hennepin County goals, and applicable state and federal laws. This document and its referenced literature are intended to provide a comprehensive inventory of pertinent water resource related information that affects the City and management of those resources.

Chapter 2 of this plan provides an introduction and purpose. This section also lists the organizations involved in the creation of this plan.

Chapter 3 of this plan provides an inventory of land and water resources within the City. This section includes a general description and summary of data related to land use and public utilities services, topography, soils, geology and groundwater resources, climate and precipitation, and the quantity and quality of water resources throughout the City.

Chapter 4 of this plan outlines water resource management related goals and policies of the City which address the needs of the City and county, as well as regional, state, and federal agencies. The City's goals and policies concerning water resources are as follows:

- **Water Quantity and Flooding**
Mitigate flood risk in a proactive and cost-effective way to foster a sustainable and resilient community by managing runoff volume and rate and effectively communicating risk
- **Water Quality**
Maintain or improve water quality to meet or exceed state standards in lakes, streams, and rivers within or immediately downstream of the City
- **Erosion and Sedimentation**
Prevent erosion and sedimentation and correct existing erosion and sedimentation problems
- **Groundwater**
Protect the quality and quantity of groundwater resources

- **Wetlands**
Maintain the quantity of wetlands and preserve or improve their quality
- **Recreation, Habitat, and Natural Areas**
Protect and enhance fish and wildlife habitat and maintain access to recreational areas
- **Enhance Public Participation, Information, and Education**
Increase public understanding and awareness of pertinent water resource management issues and increase public participation in water management activities

Chapter 5 of this LSWMP provides an assessment of the existing and potential water resource related concerns within the City. These concerns are based on an analysis of the inventory information presented in Chapter 3 of this plan, the evaluation of recent hydrologic/hydraulic modeling conducted by the City, and public input. Corrective actions have been identified in response to concerns and typically include studies, capital improvements, or programs which may address these concerns. Problems and corrective actions within the following management categories are presented in this chapter:

- **Water Quantity and Flooding**
Localized and regional flooding
Flooding and stormwater rate control between the City and adjoining entities
Future flooding risk and uncertainty
- **Water Quality**
Impaired waters
Nuisance algal blooms and aquatic vegetation
Pond and ditch maintenance
Streambank and bluff erosion
- **Erosion and Sedimentation**
- **Groundwater Management**
Lyndale Avenue Corridor Superfund Site and other sensitive areas
Groundwater resource conservation
- **Wetlands**

- **Recreation, Habitat, and Natural Areas**
Floatables and invasive aquatic vegetation
Nuisance bird populations

- **Enhance Public Participation, Information, and Education**
Leaf litter management
Water quality and aquatic plant expectations in wetlands, ponds and shallow lakes

- **Operations**
Capital improvement programs to address water resource related concerns
Identification of problems potentially occurring within the next 20 years
Management of City water resource management systems
Maintenance of stormwater best management practices
Coordination of regulatory controls

Chapter 6 outlines implementation priorities and develops an implementation program. This section contains a listing of the studies, programs, and capital improvements that have been identified as necessary to respond to the water resource needs within the City and is presented in a tabular format. The implementation period identified within this report for the programs, studies, and capital improvements is from the year 2018 through 2027.

Chapter 7 discusses the financial considerations of implementing the proposed regulatory controls, programs, and improvements which have been identified in this plan and their financial impact on the City. Funding sources available for implementing the policies and corrective actions identified within this plan are identified. The plan indicates that the majority of funding for the policies and corrective actions will be from the City's Storm Water Utility Fund. Other possible funding sources for the implementation of this plan include special assessments, grant monies which may be secured from various local, regional, county, state, or federal agencies, or other partnerships.

Chapter 8 discusses the procedures to be followed in the event this LSWMP is amended. Once this plan is approved, no significant changes can be made without the approval of the proposed revisions by the watershed management organizations within the City which are affected by the change. Significant changes to the local plan shall be made known to the Mayor, City Council, City staff, the Metropolitan Council, and the affected watershed management organizations within the City.

This LSWMP will be in effect through the year 2027, at which time this plan will be updated. However, if significant changes to the plan are deemed necessary prior to that date, the City may revise this plan in its entirety in accordance with Chapter 8. This plan contains appendices that provide background resource information for the City. Additional material is referenced within this report and is available at the Water Resources Library located at Bloomington Public Works, 1700 West 98th Street in Bloomington, as well as on the City's website.