

# Southeastern Wisconsin **Regional Planning Commission**



## **Racine County Hazard Mitigation**

Plan Update  
May 31, 2023

Laura Herrick, Chief Environmental Engineer, SEWRPC

#268364

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## ●●●●● Meeting Agenda

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- Discuss purpose of plan update
- Review the updated plan
- Answer questions and take comments

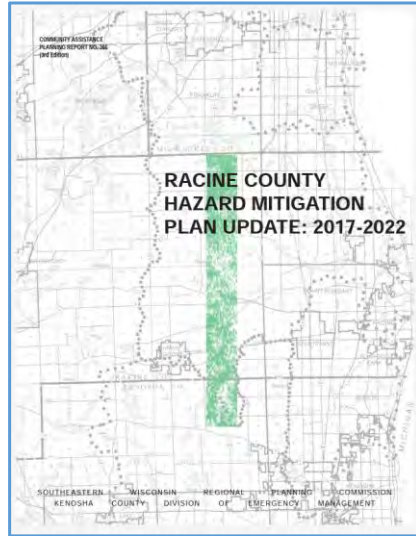


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## Plan Documentation

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- SEWRPC Community Assistance Planning Report No. 266 (4th Edition), Racine County Hazard Mitigation Plan Update: 2023-2028



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## Participating Jurisdictions

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## What is Hazard Mitigation?

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- "Mitigation is any sustained action taken to eliminate or reduce the long-term risk to human life and property from natural and technological hazards" - FEMA
- Actions to reduce the damages that result when disasters occur



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## What is Hazard Mitigation?

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- Mitigation is not:
  - Emergency response
  - Crisis management
  - Disaster recovery
- Mitigation focuses on reducing the impacts from hazard events before they occur



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## Why Do We Mitigate Hazards?

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- Disasters are costly
- State and Federal assistance are insufficient
- We can prevent future damages
- Lesser impacts mean a quicker response and recovery process
- Can be done locally



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## Racine County Hazard Mitigation Plan

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- Includes all the municipalities in the County
- Sets forth strategies for mitigating impacts of several natural weather hazards
- Establishes eligibility for **hazard mitigation funding** from the Federal Emergency Management Agency (FEMA)
  - FEMA requires that local hazard mitigation plans be updated and revised every five years



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## ●●●●● Racine County Hazard Mitigation Plan 9


- Initial plan **2004-2009**
- First update **2010-2015**
  - Coordinated with development of the County comprehensive plan
- Second update **2017-2022**
- Third update (this draft) **2023-2028**



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## ●●●●● Racine County Hazard Mitigation Plan 10

- Plan development and updating is overseen by a **local planning team**
  - Team includes elected officials, appointed officials, department and agency representatives, business representatives, knowledgeable citizens and
  - Law enforcement, fire, and EMS departments; public works and engineering departments, planning departments, conservation departments, health department, private sector firms, nonprofit agencies, and educational institutions
- Staff include Racine County Office of Emergency Management, Racine County Public Works and Development Services, and SEWRPC



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## ●●●●● Plan Components to Review and Revise

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### Chapter 1 Introduction

- Review implementation activities
- Update inventories of natural and built features
- Review and reevaluate identification of hazards
- Update and reevaluate risk analysis
- Review and revise mitigation goals
- Review and revise mitigation strategies
- Update plan implementation and maintenance



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## ●●●●● Inventory Data

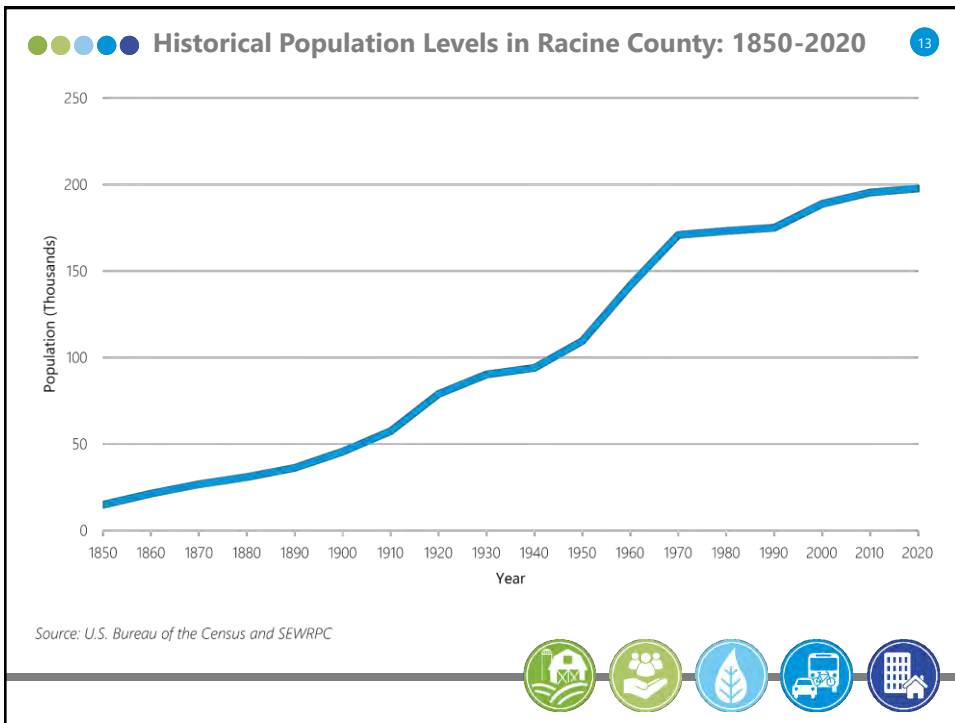
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### Chapter 2

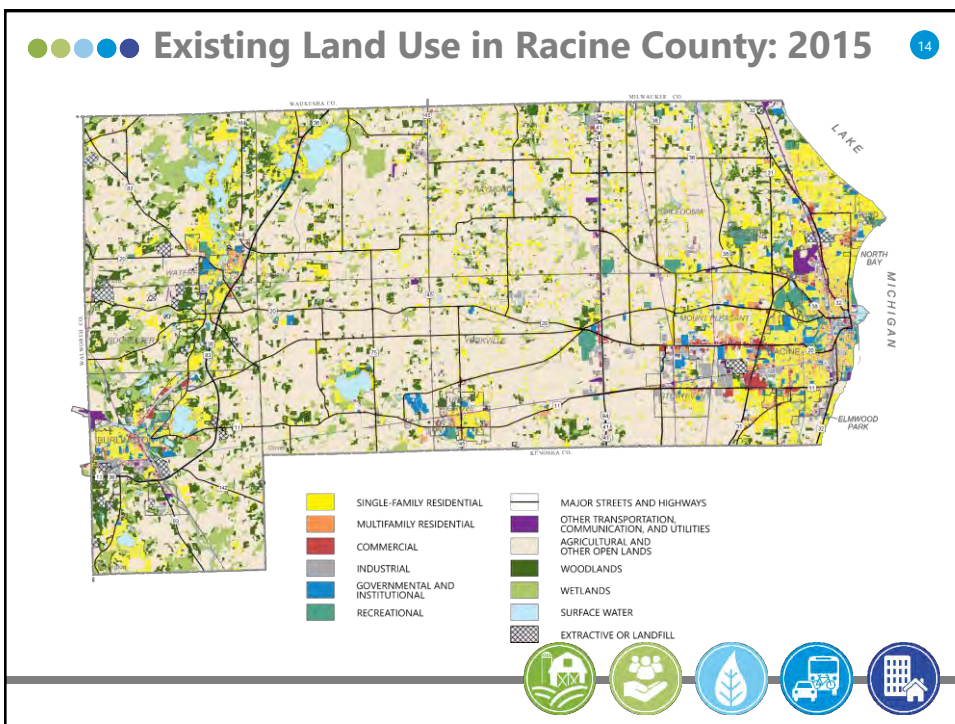
- Civil divisions
- Demographic and economic characteristics
- Land use
- Climate and climate change
- Emergency services and critical facilities



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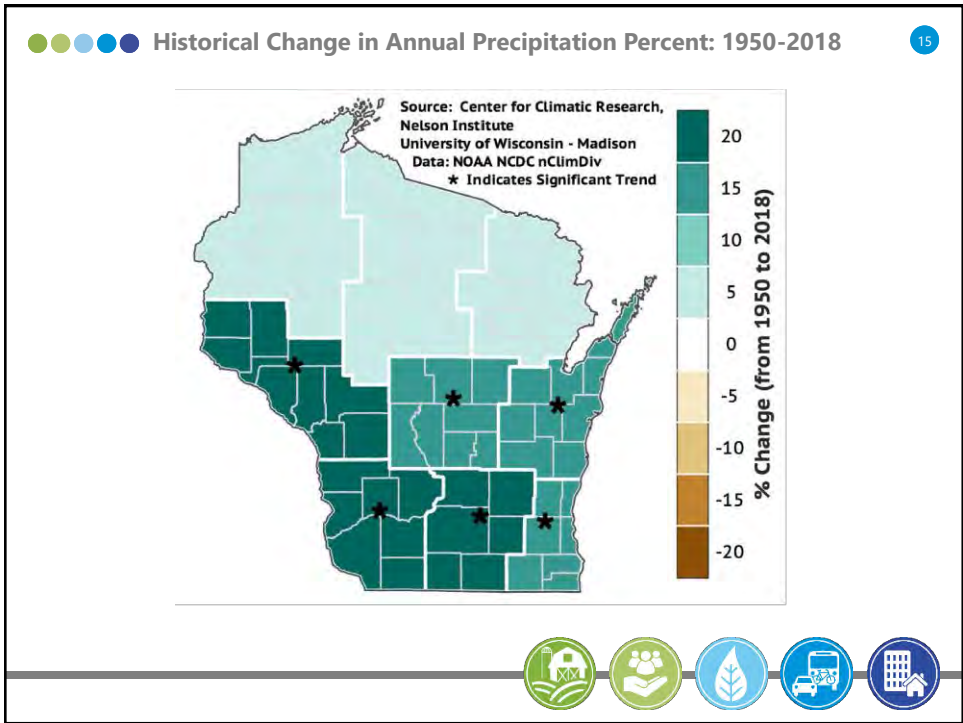


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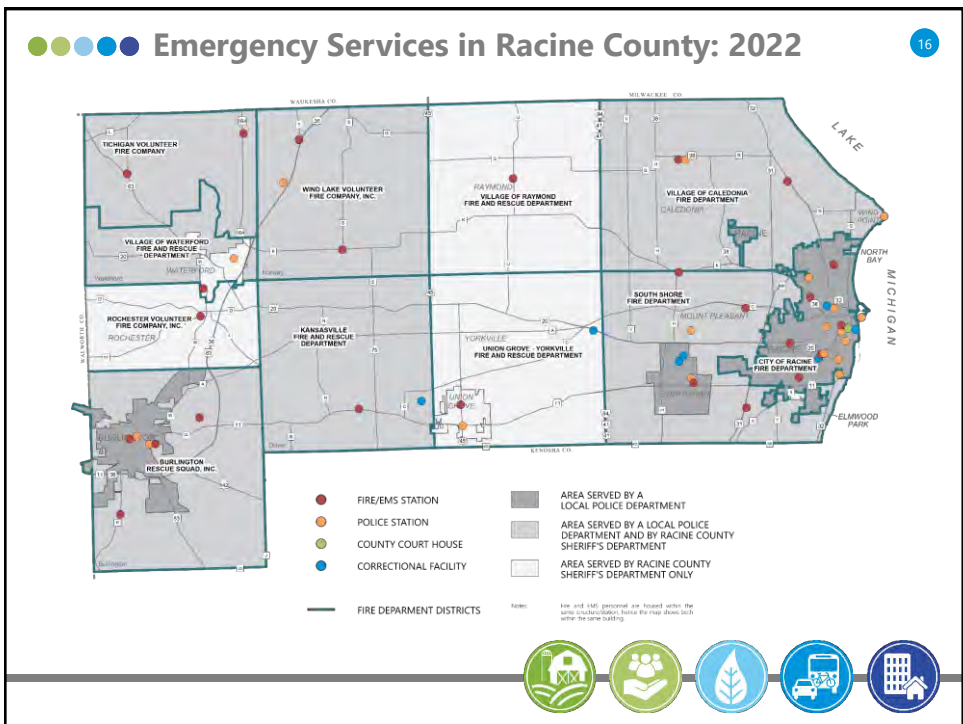


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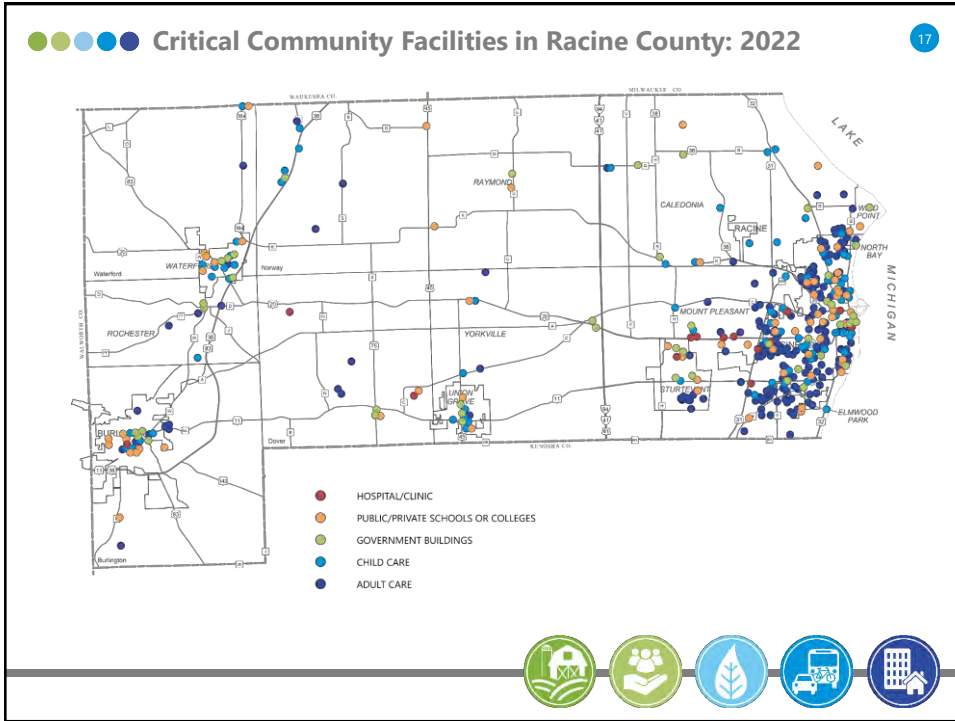


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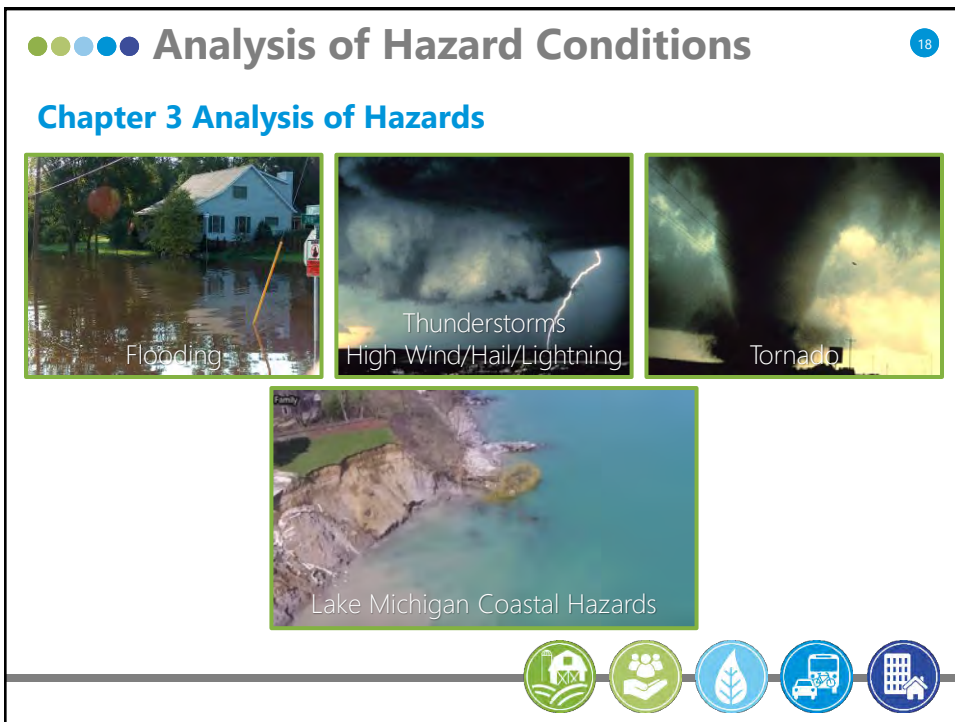


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## ●●●●● Analysis of Hazard Conditions

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### Chapter 3 Analysis of Hazards



Extreme Temperatures



Drought



Winter Storms

#### ➤ Highest Perceived Hazards by LPT

1. Tornadoes
2. Stormwater Flooding
3. Ice Storm
4. High Straight-Line Wind
5. Heavy Snowstorm
6. Riverine Flooding



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## ●●●●● Analysis of Hazard Conditions (Cont.)

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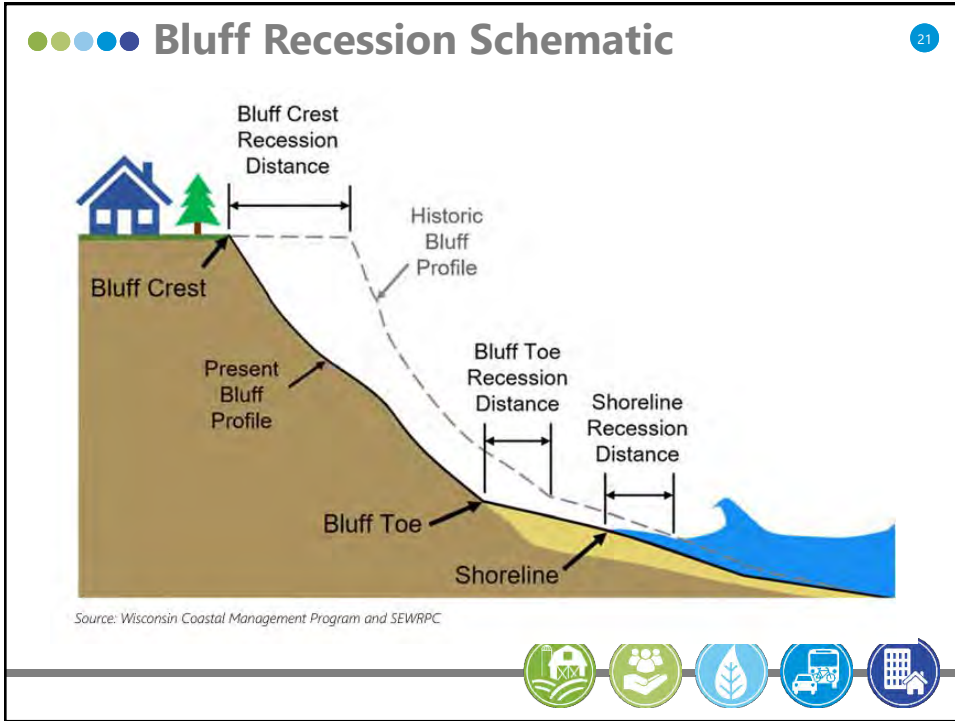
### Chapter 3 Format

#### ➤ Hazard vulnerability and risk assessments

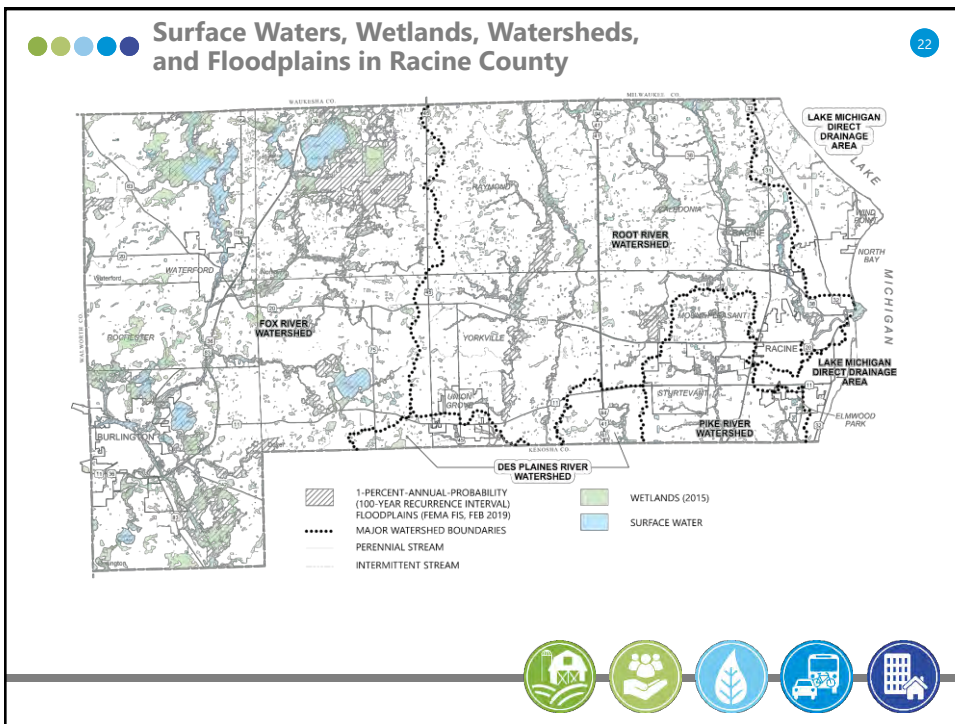
- Describe hazard
- Recent events
- Vulnerability and community impact
- Future changes and conditions
- Multi-jurisdictional risk management



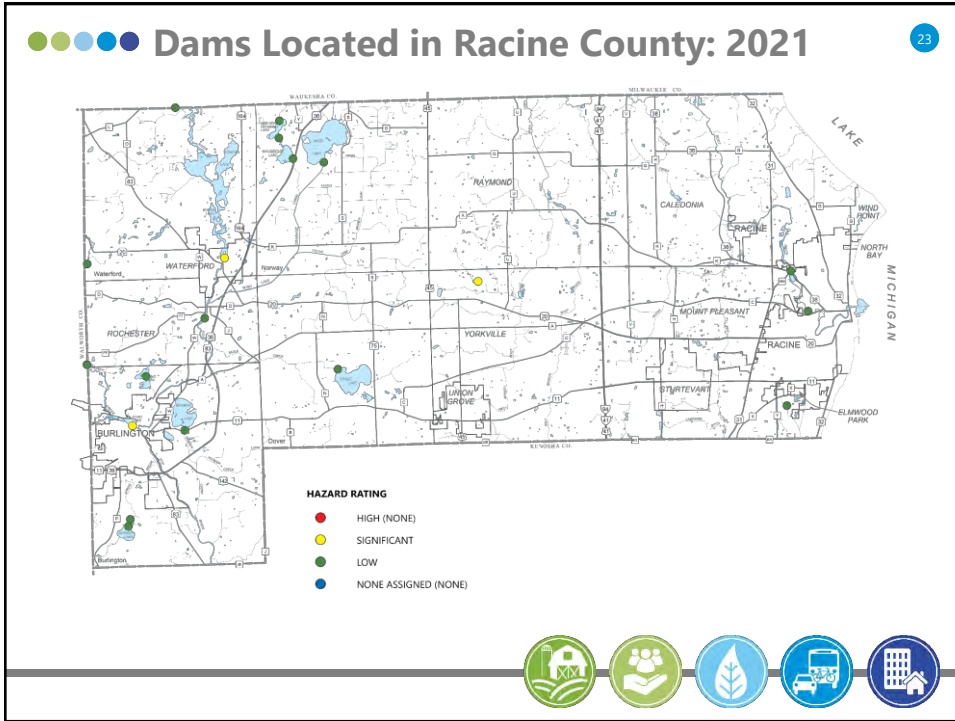
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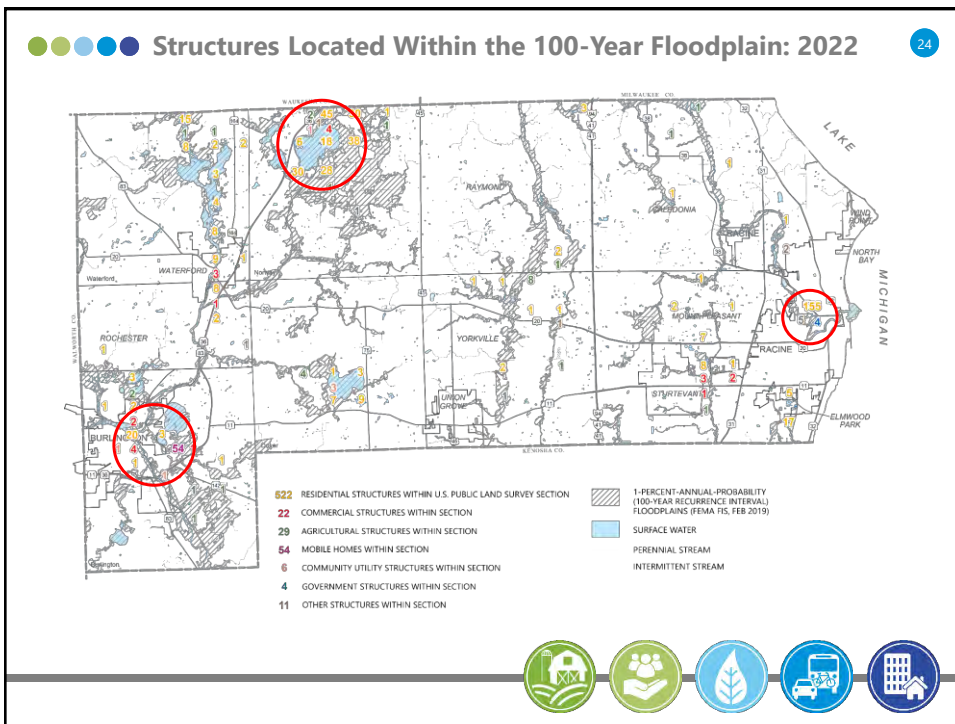
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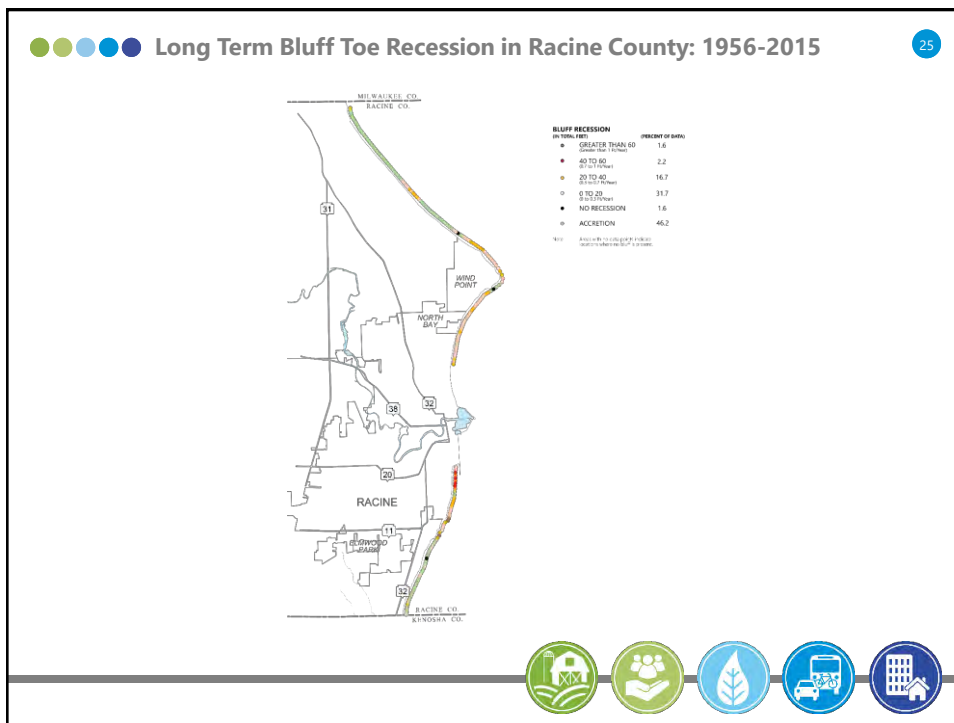
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●●●●● Hazard Mitigation Goals 26

### Chapter 4 Goals and Objectives

- A spatial distribution of the **various land uses** that minimizes hazards.
- A spatial distribution of the various land uses that maintains **biodiversity** and will result in the protection and wise use of the natural resources of the County.
- The provision of facilities necessary to maintain a high quality of **fire and police protection and emergency medical services** throughout the County.
- The development of a **stormwater and floodplain management** system.
- The identification of **high erosion risk Lake Michigan** shoreline areas and the development of a coastal erosion control program.

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## ●●●●● Hazard Mitigation Strategies

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### Chapter 5 Strategies

- Identified alternative strategies
  - Nonstructural, structural, public information and education
- Reviewed current programs
  - Federal and State, local
- Evaluation of alternatives and identification of mitigation actions
- Identified multi-jurisdictional considerations
- Select and set forth a revised set of priority mitigation measures



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## ●●●●● Flood Mitigation Strategies

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### Chapter 5

- Floodland and wetland zoning and zoning review
- Preservation of open space and sensitive areas
- Voluntary purchase, demolition, and removal or floodproofing of up to 648 structures
- Channel cleaning, maintenance, or rehabilitation for selected streams



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## Flood Mitigation

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### Chapter 5

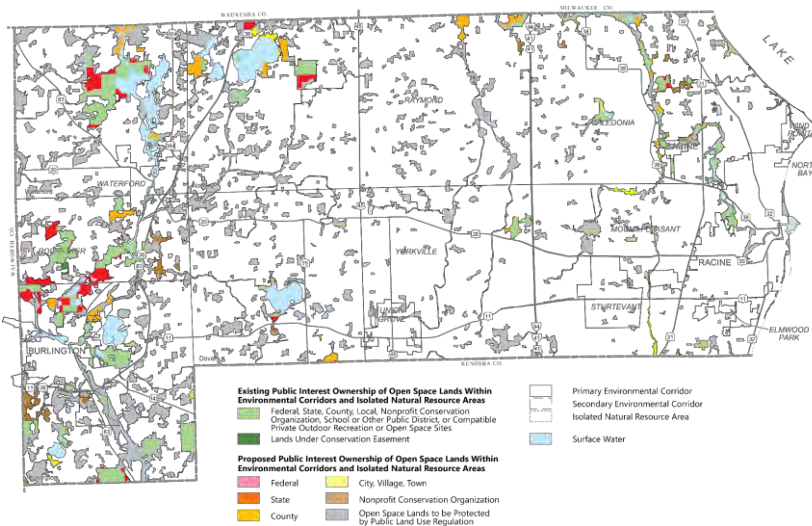
- Stormwater management planning and regulation
- Stormwater management facility maintenance
- Restoration of prairies and wetlands
- Survey of buildings near flood hazard areas
- FEMA floodplain map updating



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## Protection of Environmental Corridors and Isolated Natural Resource Areas in Racine County: 2035

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## Mitigation Strategies for Weather-Related Hazards

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### Chapter 5

- Maintain early warning systems
  - NOAA Weather Radio, EAS broadcasting, CodeRED, Ready Badger App
- Public information and education
- Identify and advertise shelters (storm shelters, heating/cooling centers)
- Installation of community storm shelters at manufactured home parks
- Review and enforcement of building code requirements
- Continued coordination of local government emergency operations and response plan



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## Plan Implementation

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### Chapter 6

- Steps to review, refine, and adopt plan
- Funding sources for projects
- Annual review and re-evaluation strategy



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# Approval and Adoption

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- To finalize the plan
  - Incorporate comments to this draft
  - Review by Wisconsin Division of Emergency Management: incorporate comments
  - Review and approval by FEMA: incorporate comments
  - The plan will need to be adopted by:
    - Racine County Board
    - Governing bodies of the Cities and Villages in the County within 1 year



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# Project Website

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➤ [www.sewrpc.org/HMP](http://www.sewrpc.org/HMP)

- Draft chapters
- Summary notes from meetings
- Presentations
- Comment screen
- Comments can also be sent to [herrick@sewrpc.org](mailto:herrick@sewrpc.org)



Send comments by June 16, 2023



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