#### Kenosha County Hazard Mitigation Plan: Local Planning Team Meeting May 5, 2016



## Chapter III

## **Analysis of Hazard Conditions**

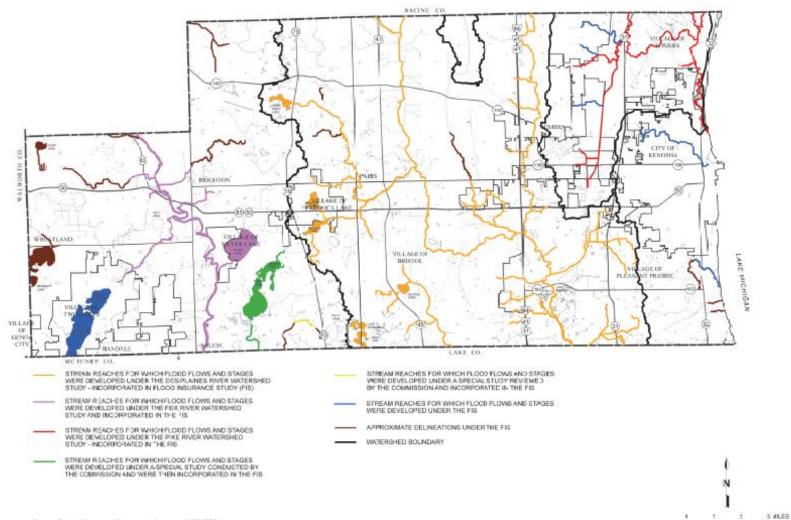
#### **Chapter III Overview**

- Documents the identification of the hazards that the plan addresses
  - This includes brief descriptions of hazards that are not addressed but were considered for inclusion during the initial plan or one of the updates
- Describes how risks and vulnerabilities were assessed
- Gives a profile of each hazard addressed by the plan

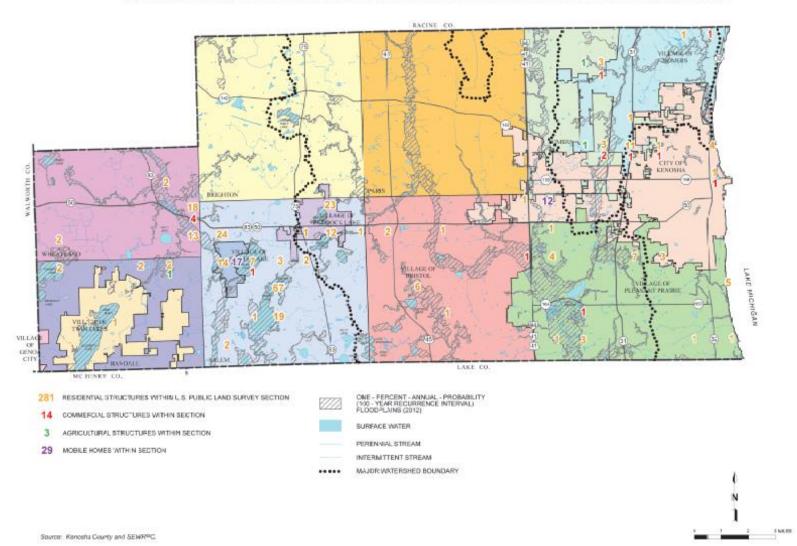
#### **Hazard Profiles**

- Most profiles follow a similar format
  - Definition and description of the hazard
  - Description of notable historical events that affected the County
  - Description of some notable recent events that affected the County
  - Assessment of vulnerabilities to the hazard and community impacts from the hazard
  - Description of potential future changes in impacts
  - Discussion of any differences among communities in risks

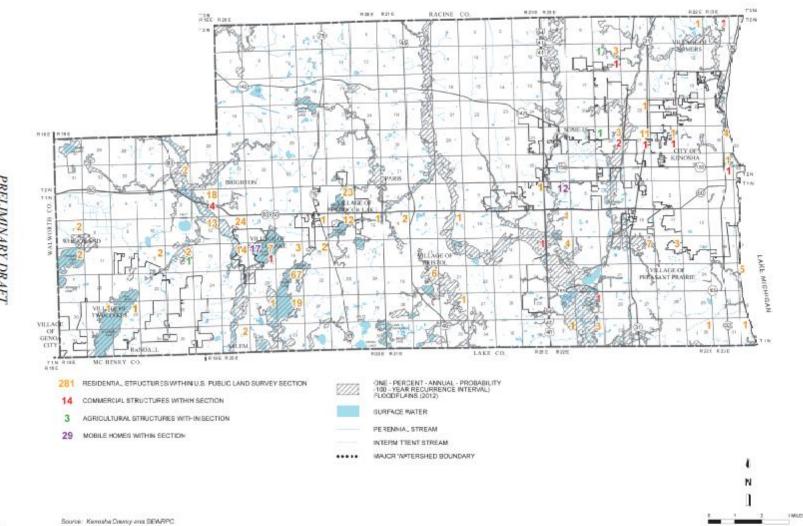
Map III - 1
SOURCES OF FLOOD HAZARD DATA FOR STREAM REACHES IN KENOSHA COUNTY: 2015



Map III - 2
NUMBER OF STRUCTURES WITHIN FLOOD HAZARD AREAS BY CIVIL DIVISION IN KENOSHA COUNTY: 2015

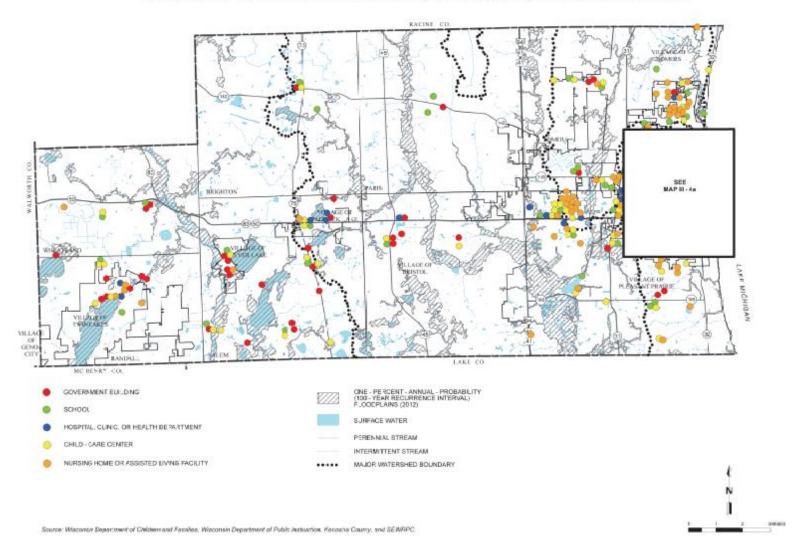


Map III - 3 NUMBER OF STRUCTURES WITHIN FLOOD HAZARD AREAS BY U.S. PUBLIC LAND SURVEY SECTION IN KENOSHA COUNTY: 2015



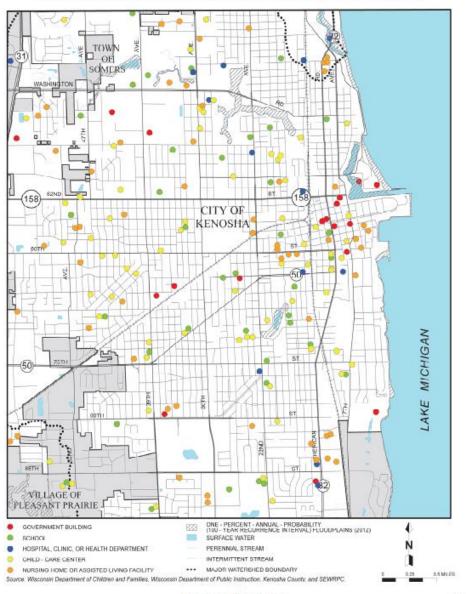
Map III - 4

LOCATIONS OF CRITICAL FACILITIES IN RELATION TO FLOODLANDS IN KENOSHA COUNTY: 2015



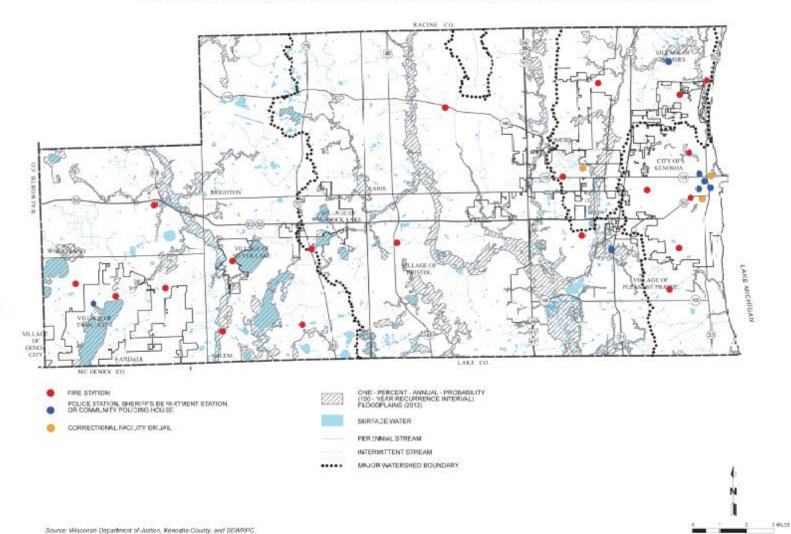
Map III - 4a

LOCATIONS OF CRITICAL FACILITIES IN RELATION TO FLOODLANDS IN THE CITY OF KENOSHA: 2015

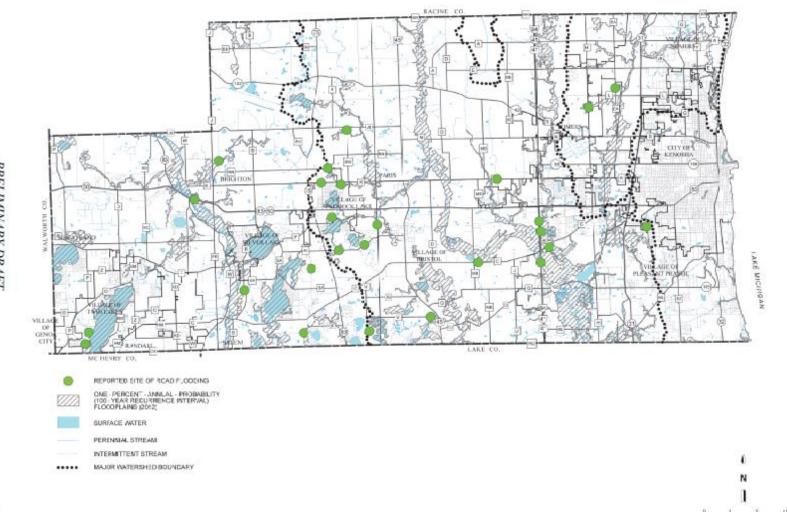


Map III - 5

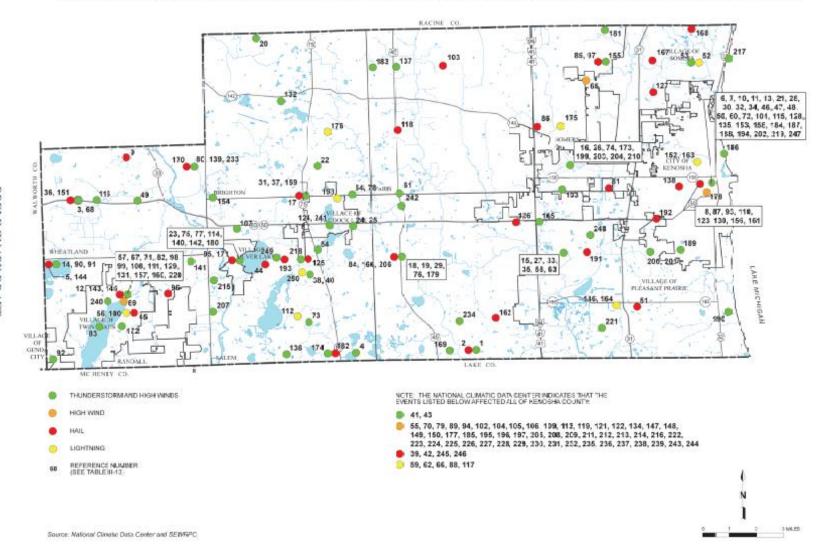
LAW ENFORCEMENT AND FIRE STATIONS IN RELATION TO FLOODLANDS IN KENOSHA COUNTY: 2015



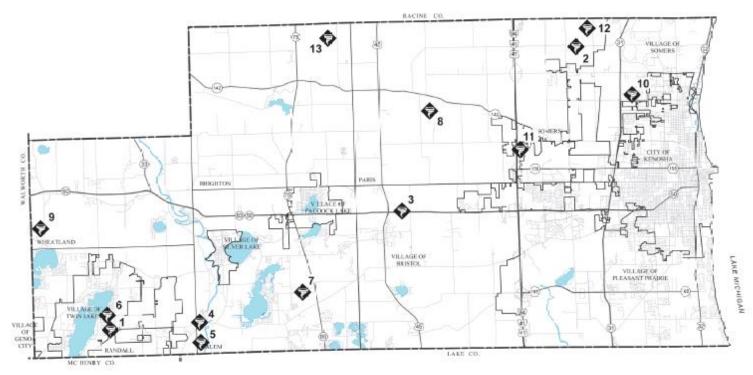
Map III - 6
ROADWAYS WITH REPORTED FLOODING IN KENOSHA COUNTY: 2015



Map III - 7
THUNDERSTORM, HIGH - WIND, HAIL, AND LIGHTNING EVENTS REPORTED WITHIN KENOSHA COUNTY, JULY 1964 - DECEMBER 2014



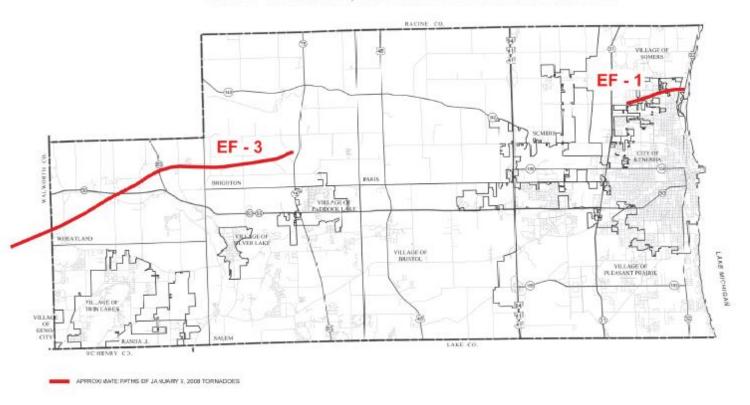
Map III - 8
TORNADO EVENTS IN KENOSHA COUNTY: JULY 1963 - DECEMBER 2014

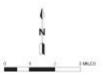


REPORTED TORNADO SIGHTING AND REFERENCE NUMBER (SEE TABLE (I - 18)



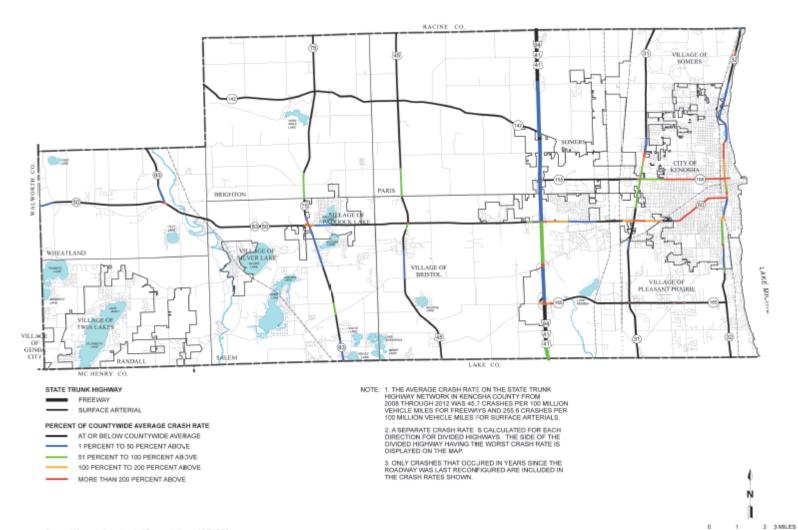
Map III - 9
PATHS OF THE JANUARY 7, 2008 TORNADOES THROUGH KENOSHA COUNTY



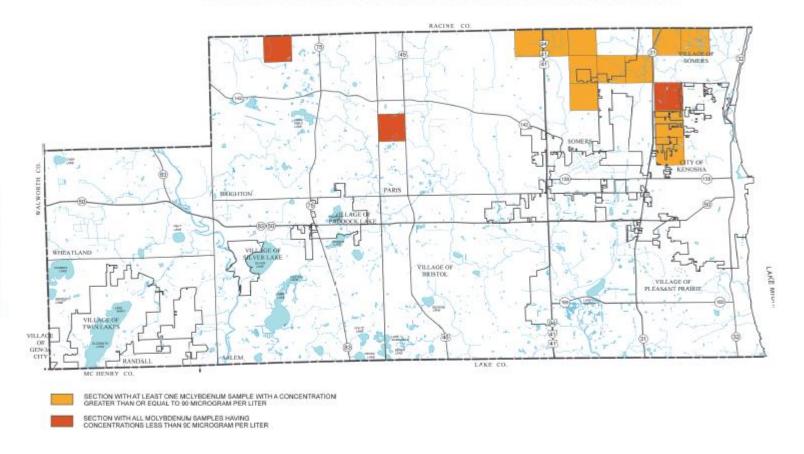


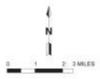
Map III - 10

AVERAGE VEHICULAR CRASH RATE OF STATE TRUNK HIGHWAYS IN KENOSHA COUNTY: 2008-2012



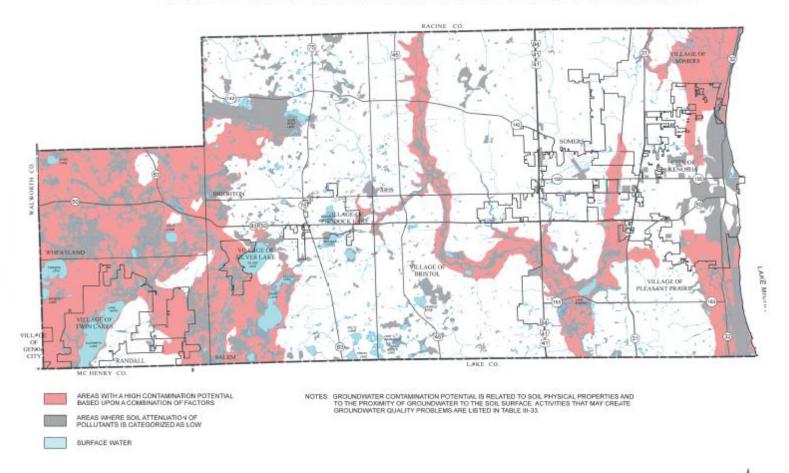
Map III - 11
TEST RESULTS FOR MOLYBDENUM IN PRIVATE WELLS IN KENOSHA COUNTY: 2013





Map III - 12

AREAS NATURALLY VUNERABLE TO GROUNDWATER CONTAMINATION IN KENOSHA COUNTY



N N 1 2 3 MLES

# **Chapter IV**

- 1. A spatial distribution of the various land uses that minimizes hazards and dangers to health, welfare, and safety as well as further enhancing the economic base of the County, and will result in a compatible arrangement of land uses properly related to the existing and proposed supporting transportation, utility, public safety, and public facility systems.
- 2. 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, including its soils, inland lakes and streams, groundwater, wetlands, woodlands, and natural areas and critical species habitats.

- 3. An integrated transportation system that, through its location, capacity, and design, will safely, economically, and effectively serve the existing and proposed land use pattern and promote the implantation of the land use plan, meeting the current and anticipated travel demand and minimizing the potential for accidents and the associated toll on life and property damage.
- 4. The provision of facilities necessary to maintain a high quality of fire and police protection and emergency medical services throughout the County.

- 5. The development of a stormwater and floodplain management system that reduces the exposure of people to drainage- and flooding-related inconvenience and to health and safety hazards and that reduces the exposure of real and personal property to damage through inundation resulting from flooding and inadequate stormwater drainage.
- 6. The identification of high erosion risk Lake Michigan shoreline areas and the development of a coastal erosion management program that reduces the exposure of people and real and personal property to shoreline erosion and bluff recession.

- 7. The identification and development of programs that complement County and local emergency operations plans to mitigate the potential exposure to health and safety and the exposure of real and personal property resulting from a broad range of hazards that are unpredictable and not geographically specific in nature.
- 8. Communications interoperability throughout the County among all First Responders, so as to be able to quickly and effectively respond to any incident to prevent the loss of life and to save property.

#### Public Meeting on Hazard Mitigation Plan

- May 23, 2016
  - 6:00 pm
  - Kenosha County Center
- Review progress on the plan update to date
- Seek public input
  - Problem areas relative to hazards
  - Potential mitigation measures and projects
  - Comments on draft plan

#### **Project Web Site**

- http://www.sewrpc.org/SEWRPC/communityassistance/Hazard-Mitigation-Planning.htm
  - Agendas and other meeting materials
  - Summary notes from meetings
  - Presentations
  - Draft chapters as they are completed
  - Comment screen
  - Other ways to send a comment
- Email to jboxhorn@sewrpc.org