

FOX RIVER FLOOD COMMISSION

April 17, 2019





AGENDA:

- ▶ Purpose of the Commission
- ▶ Known Flood Damage Areas
- ▶ Floodplain Management Issues
- ▶ Flood Alliance
- ▶ FEMA Discovery Information
- ▶ Commission Survey and Web Map
- ▶ New Floodplain Studies
- ▶ Future Meetings

PUBLIC ACT 100-0730

- ▶ Amends the Flood Control Act of 1945
- ▶ Creates the Flood Control Commission for the Fox River Watershed
- ▶ Created to study and develop integrated floodplain management coalition
- ▶ Requires a report be provided to the General Assembly by December 31, 2019



COMMISSION MEMBERSHIP

- ▶ Senate President appoints 5
- ▶ Minority Leader of Senate appoints 5
- ▶ Speaker of the House appoints 5
- ▶ Minority Leader of House appoints 5
- ▶ Governor or his designee
- ▶ IEMA Director or her designee
- ▶ County Board Chairman for Lake, McHenry, Kane, DuPage
 - ▶ Stormwater Committee member
 - ▶ Municipal Member
- ▶ Will County Executive appoints stormwater member and municipal member
- ▶ Chaired by IDNR

COMMISSION REPORT



1. Extent and character of areas affected
2. Shortfalls in existing flood control practices
3. Flood Alliance for Fox River communities
 1. Jointly leverage resources
 2. Collaborate on flood preparedness, protection, response, recovery, future damage reduction, and floodplain management education.

COMMISSION REPORT

4. Strategy and schedule for implementation of Alliance
 5. Explanation how floodplain management would improve with Alliance
 6. Explanation how Alliance would save taxpayer money
 7. Statement how Alliance will benefit communities
 8. Publish Report by December 31,2019
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PROCESS

Organize & Learn

- Determine critical flood issues and extent of areas affected
- Assign tasks for next meeting and set meeting schedules
- Learn about existing alliances in Illinois, their functions and their successes

Evaluate & Develop

- Prioritize flood issues to be addressed
- Determine goals, objectives, and practices of a regional coalition/alliance to address critical issues
- Identify related organizations and ongoing activities, and benefits
- Develop recommendations for regional coalition/alliance

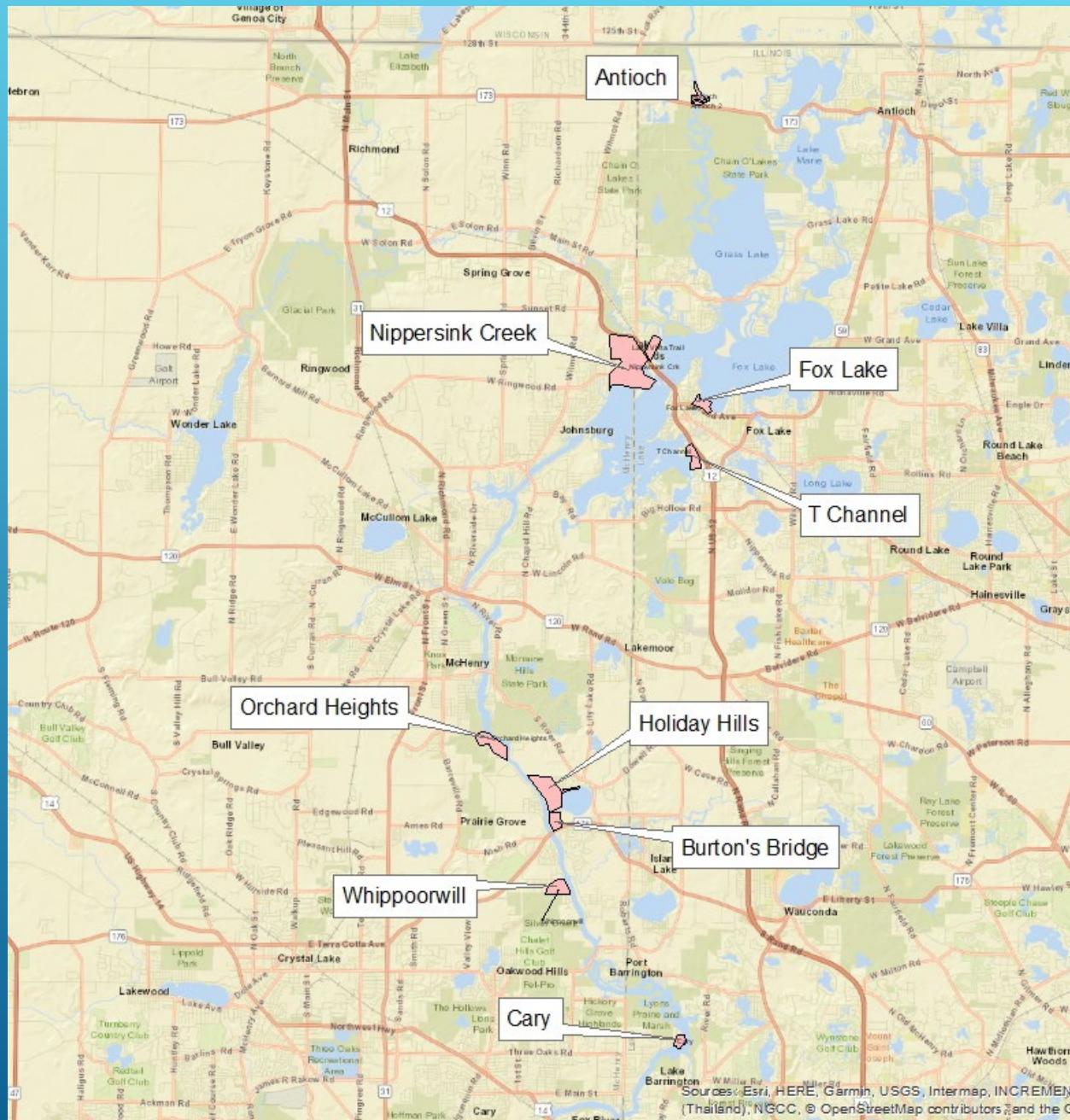
Publish

- Organize findings into chapters
- Determine who will edit the report
- Publish report by December 31, 2019
- Determine next steps



KNOWN DAMAGE AREAS

- Contact with citizens along the Fox River
- Damage assessments for disaster declaration
- Flood Insurance Claims



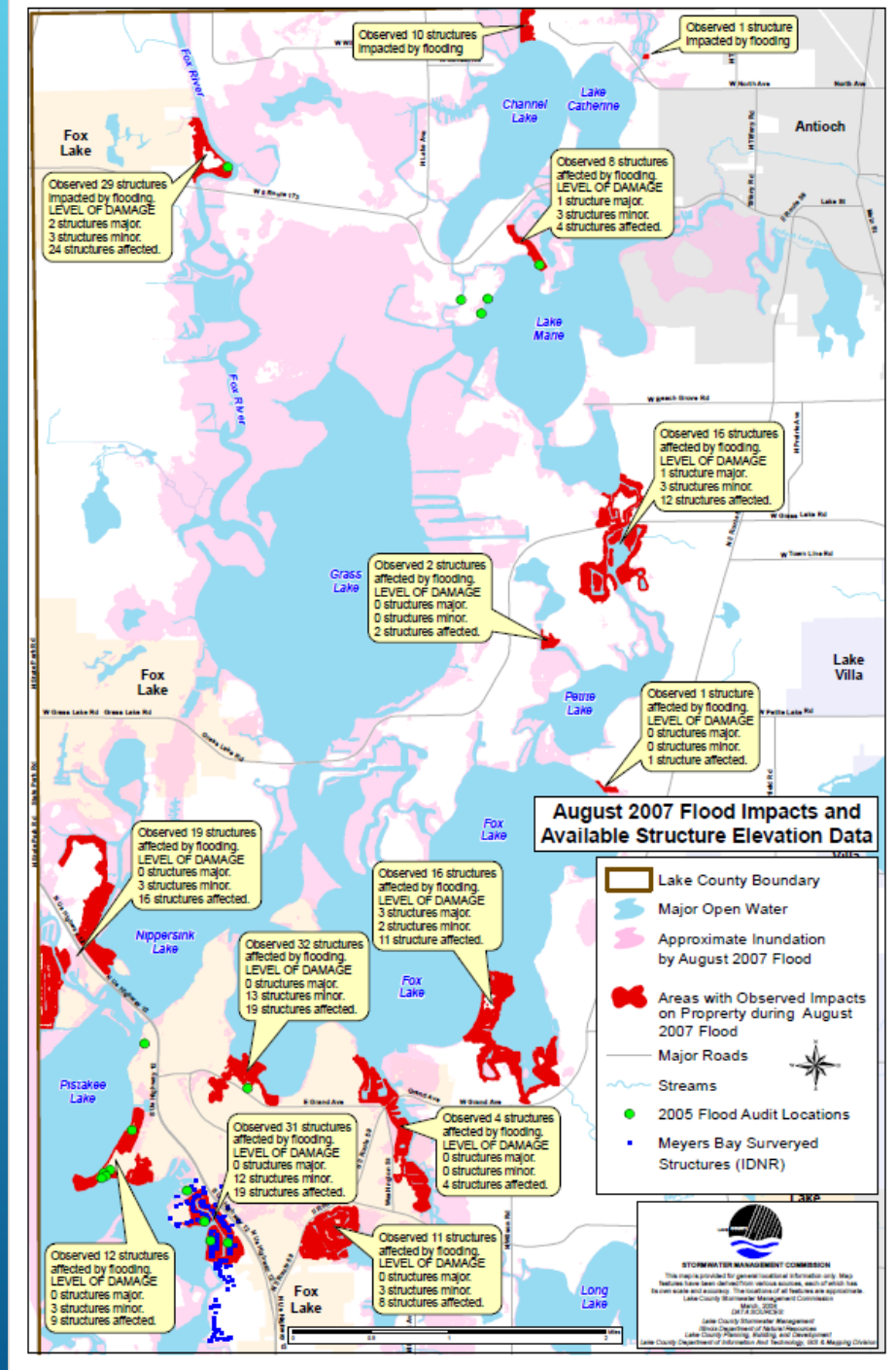
CITIZEN CONTACT

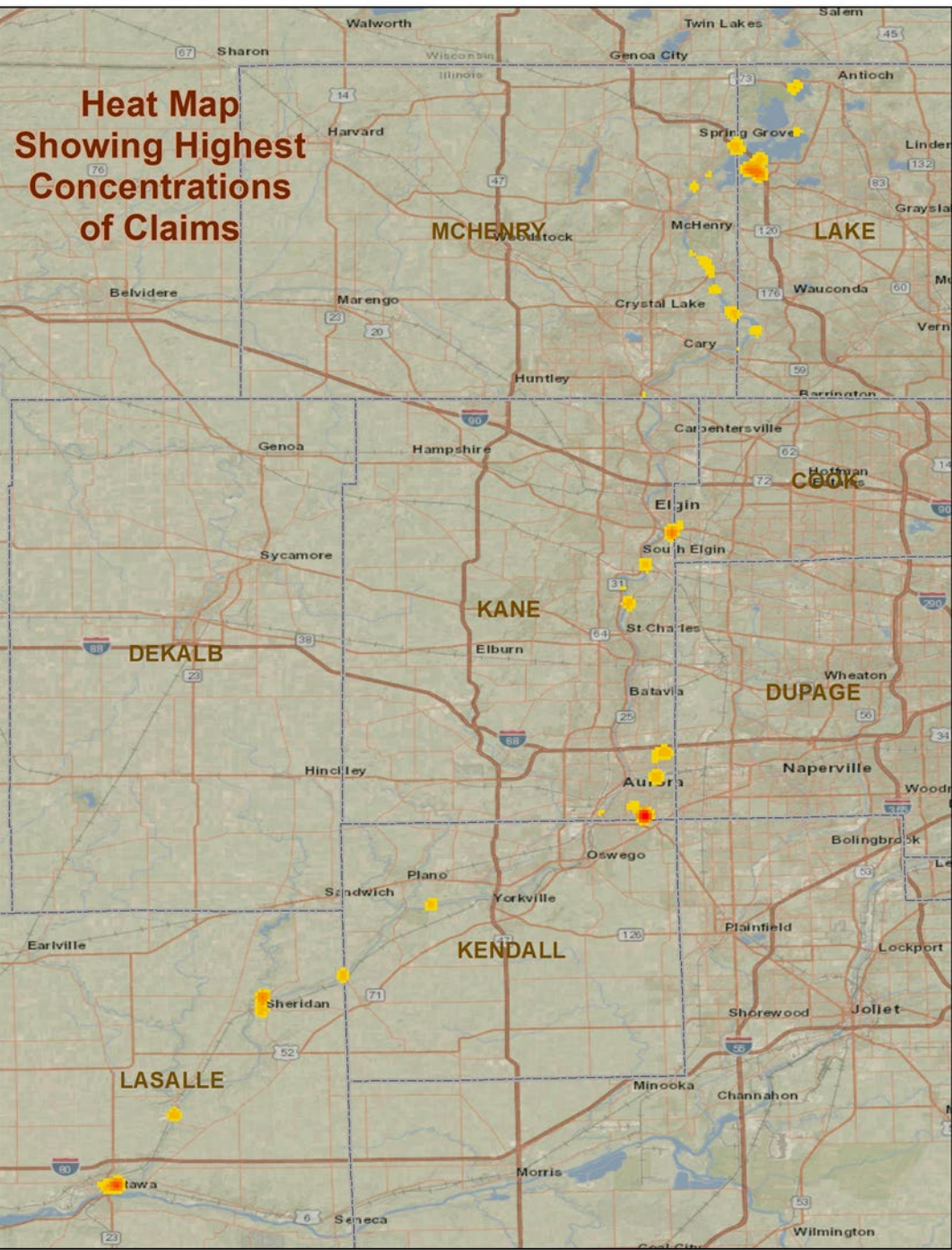
Citizens protect their home with sand bags or other barriers.

Contact OWR for information on how high the water will peak.

IEMA DAMAGE ASSESSMENT

Identify flood damage structures to justify Federal Declaration

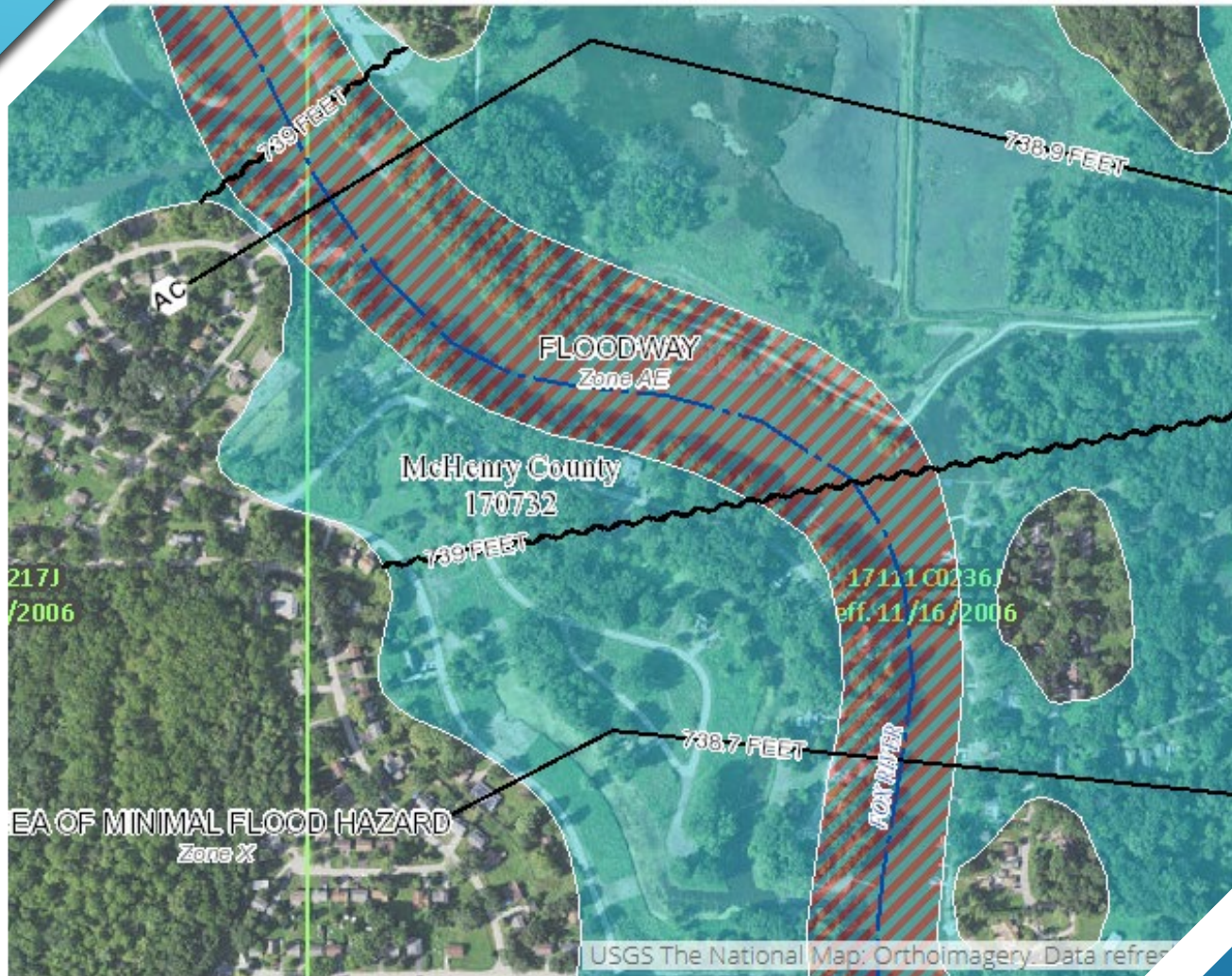




NATIONAL FLOOD INSURANCE PROGRAM

TOTAL CLAIMS HISTORY CONCENTRATION

COMMUNITY	CLAIMS	DOLLARS
Mc Henry County	333	3,163,918
Aurora	203	3,016,039
Fox Lake	251	2,786,147
Ottawa	166	2,903,072
Montgomery	119	2,677,765
Elgin	108	1,836,803
Round Lake Bch	107	1,080,152
Sheridan	30	1,153,849
Millington	34	740,553
So. Elgin	47	596,770
Port Barrington	57	583,605
Holiday Hills	36	497,563
Johnsburg	19	402,654
Algonquin	48	393,208
Barrington	24	337,099
Spring Grove	32	306,492
Yorkville	13	226,054
Fox River Grove	22	218,047
Lake in the Hills	30	170,404



FLOODPLAIN MANAGEMENT ISSUES

- ▶ Buy-outs
- ▶ Elevation
- ▶ Response Plans



FLOODPLAIN MANAGEMENT NEEDS

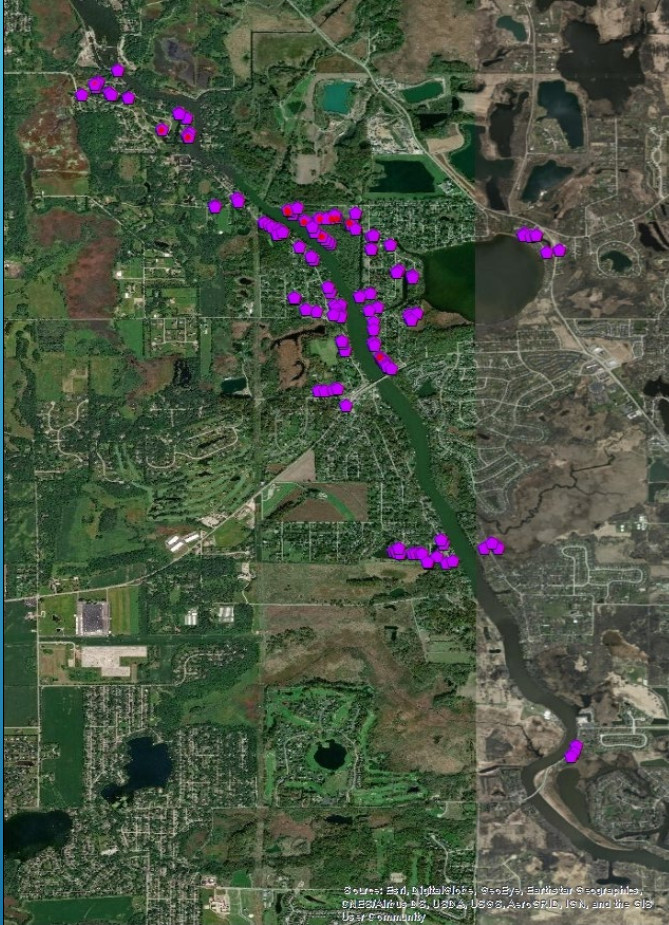
Buyout of Repetitive Loss Properties

ELEVATION



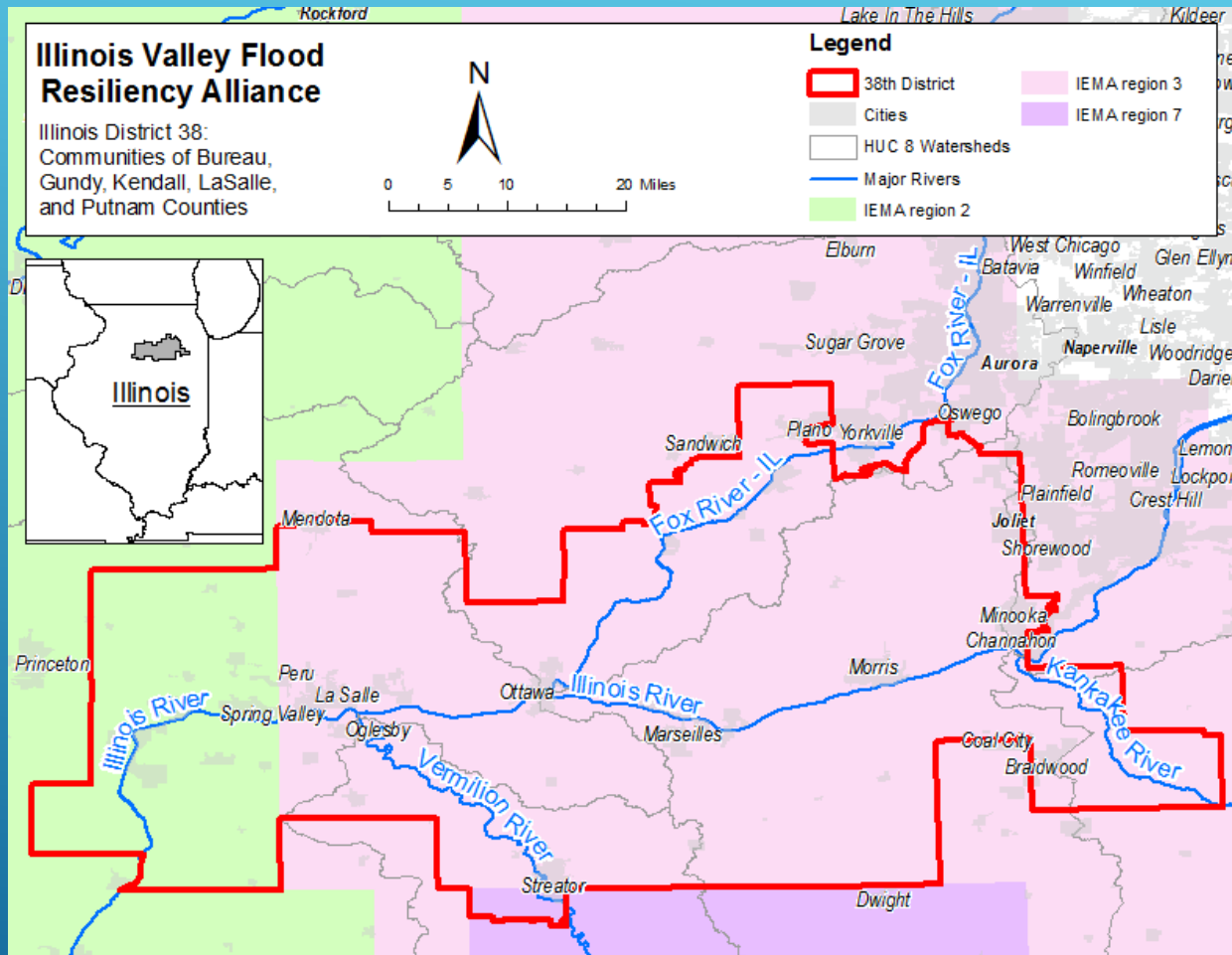
Fox River
Sheridan, IL

One month after the 2008 flood!!!!



RESPONSE PLAN

- Identify flood prone buildings
- Determine stage on river gage where the damage begins to buildings
- Develop a plan to deliver sandbags



FLOOD ALLIANCE

Illinois River Valley Flood Alliance

- ▶ 1. Have someone in each community become trained in floodplain management and become a Certified Floodplain Manager
- ▶ 2. Have each community join the National Flood Insurance Program's Community Rating System and pursue flood insurance discounts
- ▶ 3. Have each community join the Illinois Association for Floodplain and Storm water Management (IAFSM)
- ▶ 4. Encourage each community to adopt and enforce higher regulatory standards within their floodplains

MISSION OF IVFRA



► **1.Preventative Measures**

Consideration of codes, regulations, and higher standards

► **2.Property Protection**

Review of elevation, acquisition, flood proof existing buildings

► **3.Structural Projects**

Evaluation of flood control needs, protect infrastructure

► **4. Resource Protection**

Attention to shorelines, wetlands protection, environmental concerns

► **5.Emergency Services**

Assessment of flood warning, response needs for critical facilities and people

► **6.Public Information**

Identification of regional outreach and public information needs

SET STRATEGIES



- ▶ 1. The Alliance of LaSalle, Grundy, Bureau, Kendall, and Putnam counties has developed an informal resiliency plan for the region
- ▶ 2. Alliance members meet quarterly to discuss best practices and strategies for flooding
 - Floodplain 101 and Elevation Certificate training conducted by the Illinois Office of Water Resources
 - Mitigation grant training conducted by the Illinois Emergency Management Agency and Northcentral Illinois Council of Governments
 - Floodplain mapping techniques by the University of Illinois / State Water Survey
 - Flood Fighting School by the U.S. Army Corps of Engineers
 - HAZUS tool and LiDAR acquisition by the University of Illinois

IMPLEMENT PLAN



- ▶ 3. Towns in the area are working on flood damage prevention ordinances that would fit their specific needs, restrictive zoning, and storm water regulations
- ▶ 4. 24 new Certified Floodplain Managers in the 38th Senate district
- ▶ 5. Good relationships and friendships between IVFRA, Federal Government, and leaders in flood prevention
- ▶ 6. Mike Sutfin (City of Ottawa, IVFRA leader) on a federal Homeland Security task force interested in the outcome of this regional alliance and may potentially extend this model on a national level.
- ▶ 7. The U.S. Army Corps of Engineers secured Silver Jackets funding to assist the IVFRA in (a) documenting and building upon their action plan and (b) creating a template so that this concept can be replicated, scaled, and shared in other regions

IMPLEMENT PLAN



1. Improved communication during February 2018 high water event response.
2. University of Illinois HAZAS survey in City of Ottawa estimated return on investment and cumulative losses avoided from buyout structures since 1996.
3. Clear goals, collaboration, communication, and planning have brought federal grant money into local IVFRA communities

RESULTS OF IVFRA

