

FOX RIVER FLOOD COMMISSION

June 19, 2019



Agenda

- Introductions
- Meeting minutes approval
- Public Act 100-0730
- Extent and Character of the Affected Areas
- Shortfalls in Existing Flood Control Practices
- Basic Structure and Formation of a Coalition
- Next Steps





- 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

PUBLIC ACT 100-0730

COMMISSIONER APPOINTMENTS – 20 OF 33

- 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, and DuPage appoint
 - ▶ One Stormwater Committee member
 - ▶ One Municipal Member
- Will County Executive appoints stormwater member and municipal member
- Chaired by IDNR

WHAT DOES THE ACT REQUIRE?

(TODAY'S AGENDA)



A report by December 31, 2019 addressing:

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

WHAT DOES THE ACT REQUIRE? (continued)

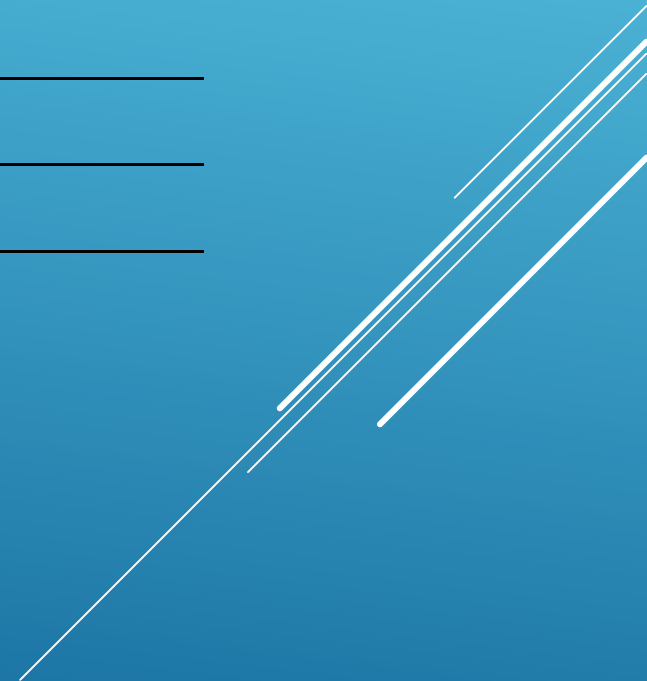
4. Strategy and schedule for implementation of Alliance
 5. Explanation how floodplain management would improve with an Alliance
 6. Explanation how an Alliance would save taxpayer money
 7. Statement how Alliance will benefit communities
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EXTENT AND CHARACTER OF AREAS AFFECTED

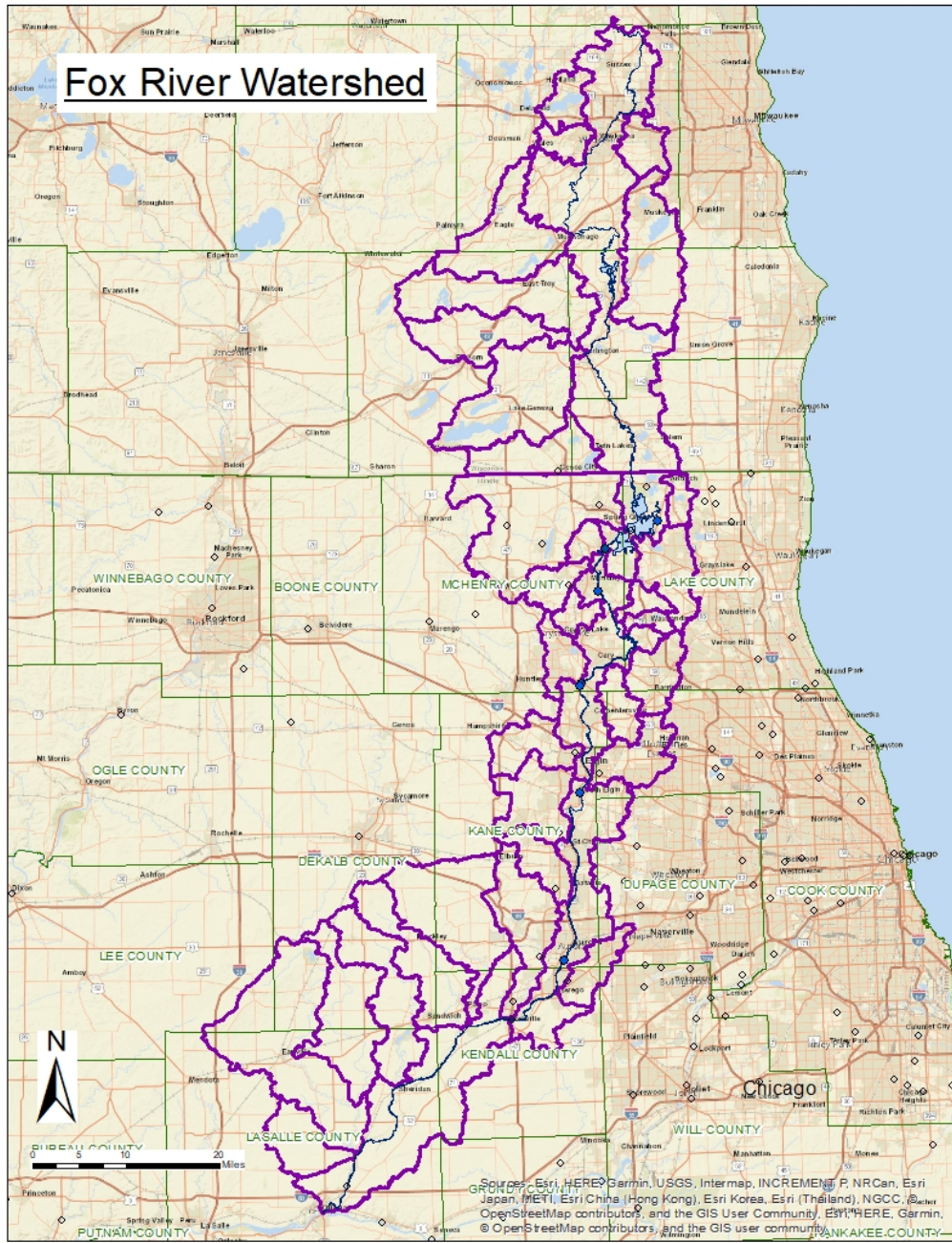
Data Sources – What are we missing?

- ▶ Watershed mapping
- ▶ Survey Findings
- ▶ Discovery Reports and Data
- ▶ Flood Insurance Claims Data
- ▶ Floodplain maps
- ▶ County Hazard Mitigation Plans
- ▶ Zoning maps
- ▶ Open space maps
- ▶ CRS Communities
- ▶ Repetitive Loss Plans

- ▶ _____
- ▶ _____
- ▶ _____
- ▶ _____
- ▶ _____
- ▶ _____
- ▶ _____



Fox River Watershed



FOX RIVER WATERSHED

- Fox River watershed is 2657 square miles.
- The watershed starts north of Waukesha, Wisconsin.
- The drainage area in Wisconsin including the Fox River and Nippersink Creek is 934 square miles.

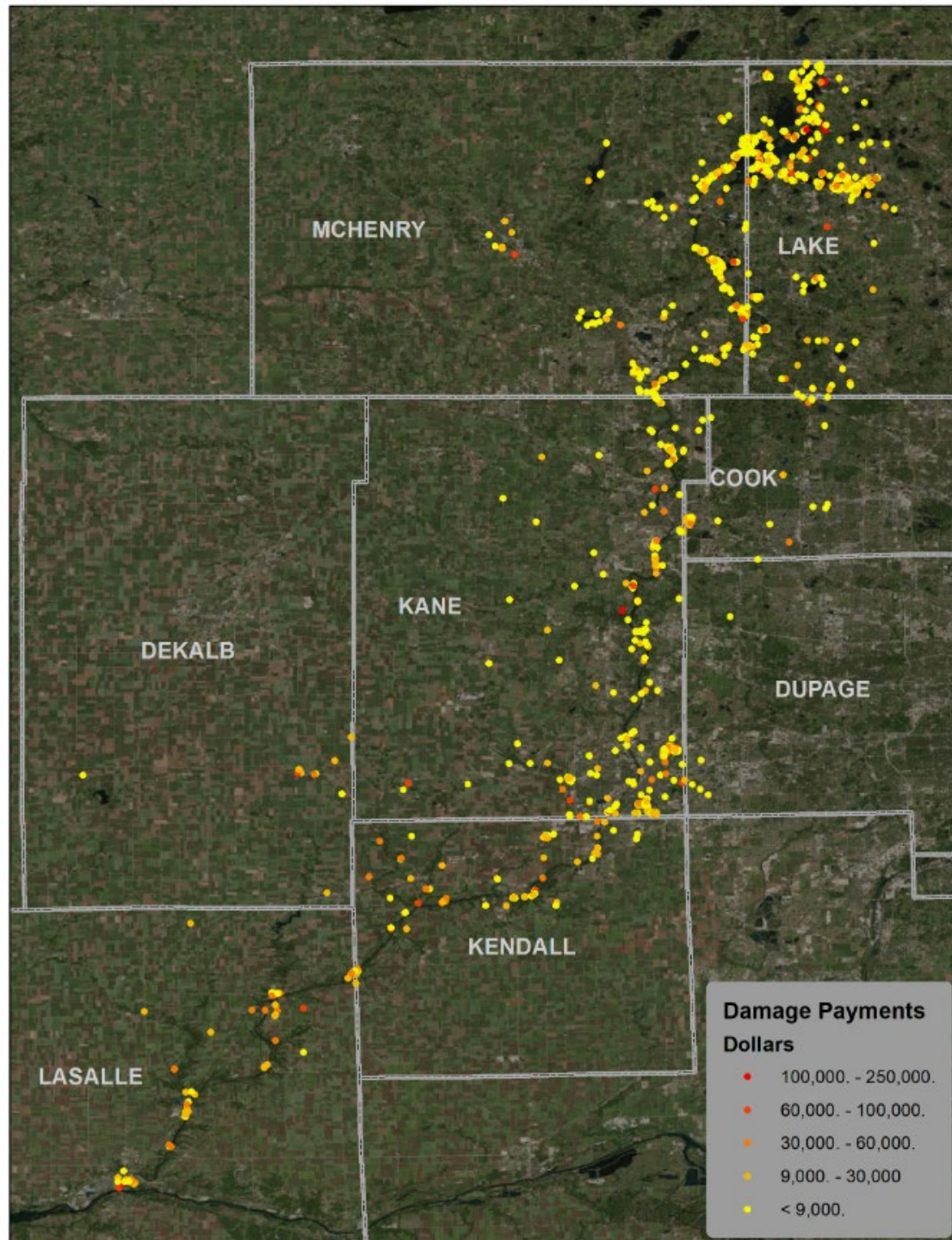
FOX RIVER WATERSHED FLOOD INSURANCE CLAIMS

Fox River Watershed

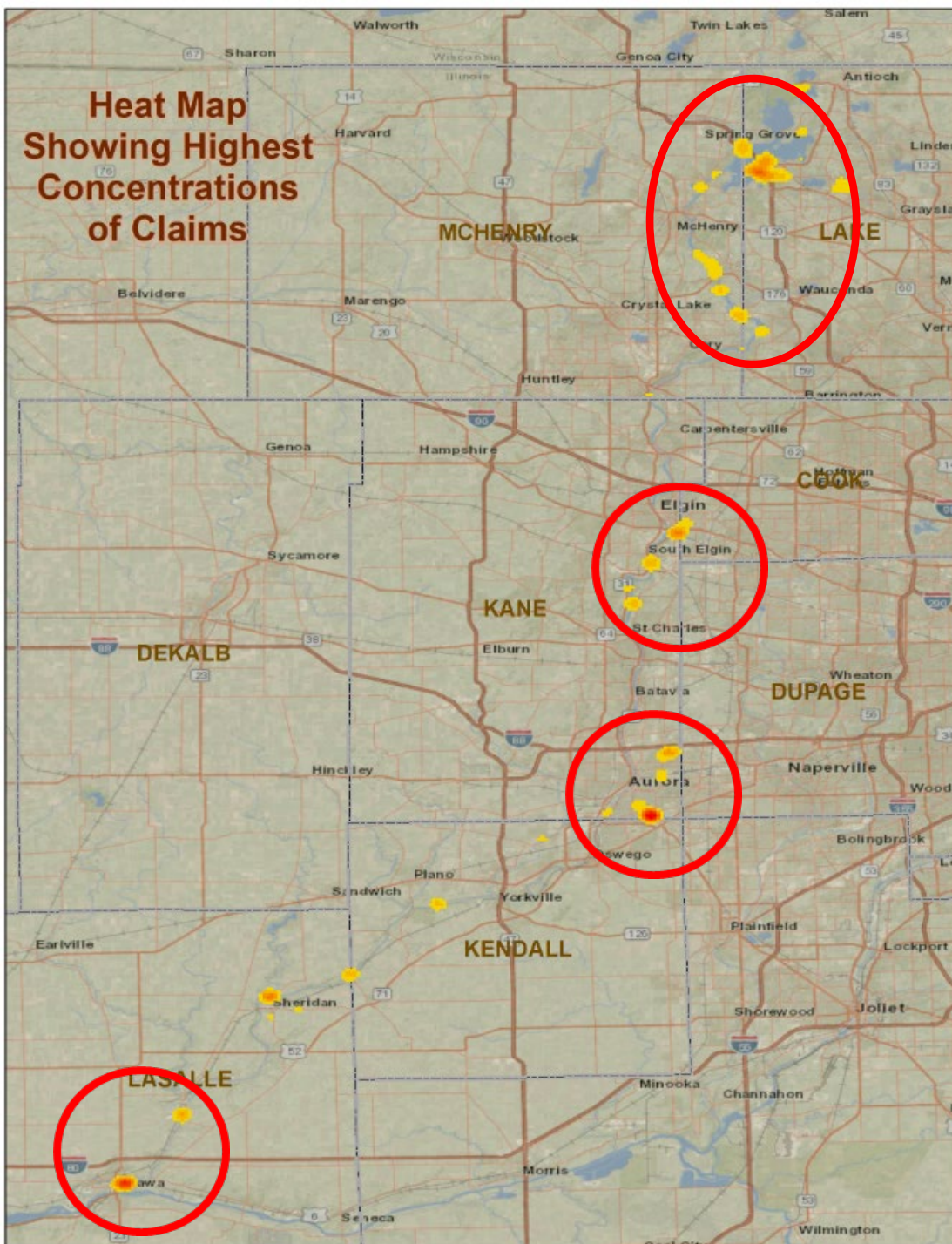
2,657 claims

\$37,589,421 in damages

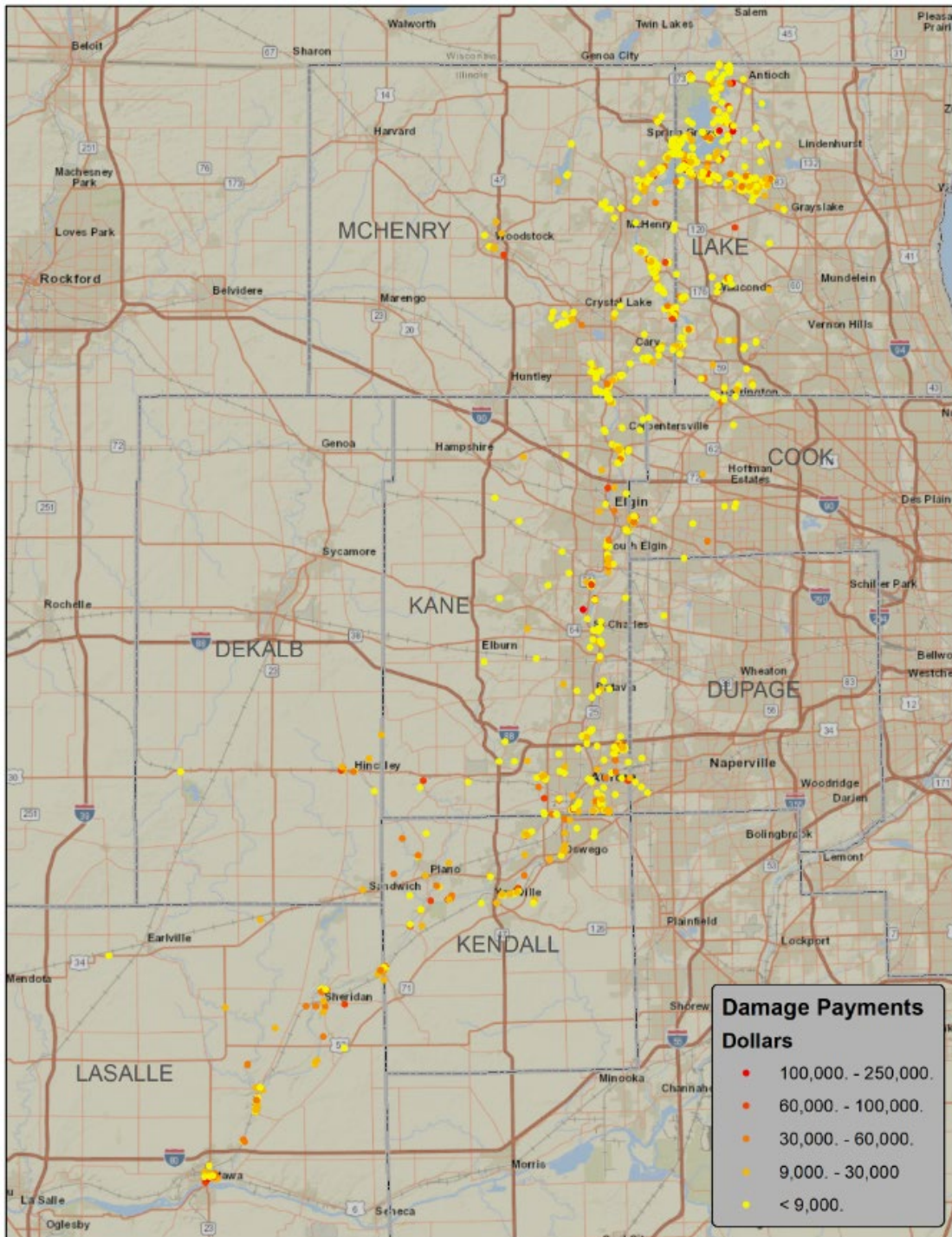
COUNTY	CLAIMS	PAID
Lake	873	\$10,998,331
Kane	679	\$10,482,878
McHenry	654	\$ 6,486,259
LaSalle	268	\$ 5,894,628
Kendall	121	\$ 2,622,986
Cook	40	\$ 795,340
Dekalb	14	\$ 282,987
DuPage	8	\$ 26,295



NATIONAL FLOOD INSURANCE PROGRAM CLAIMS CONCENTRATION IN MUNICIPALITIES



COMMUNITY	Claims	Paid Losses
Fox Lake	251	\$3,303,285
Montgomery	120	\$2,794,475
Aurora	206	\$2,589,255
Ottawa	129	\$2,074,485
Elgin	102	\$1,786,836
Sheridan	30	\$1,153,849
Round Lake Bch	110	\$1,060,547
Millington	34	\$ 740,553
South Elgin	45	\$ 585,452
Port Barrington	57	\$ 583,605
Holiday Hills	36	\$ 497,563
Johnsburg	19	\$ 402,654
St. Charles	40	\$ 365,654
Algonquin	41	\$ 349,321
Barrington	11	\$ 209,137



REPETITIVE LOSS PROPERTIES PER COMMUNITY (NUMBER OF LOSSES)

McHenry County	48 (145)	Plano	2 (7)
Fox Lake	35 (103)	McHenry, City	2 (6)
Elgin	18 (50)	Millington	2 (5)
Aurora	9 (36)	Johnsburg	2 (4)
Port Barrington	8 (19)	St. Charles	2 (4)
South Elgin	8 (19)	Sheridan	2 (4)
Holiday Hills	7 (18)	Yorkville	1 (2)
Algonquin	6 (15)		
Spring Grove	6 (13)		
Round Lk Bch.	5 (12)		
Montgomery	4 (16)		
Lk. in the Hills	4 (10)		
Fox River Gr.	3 (7)		

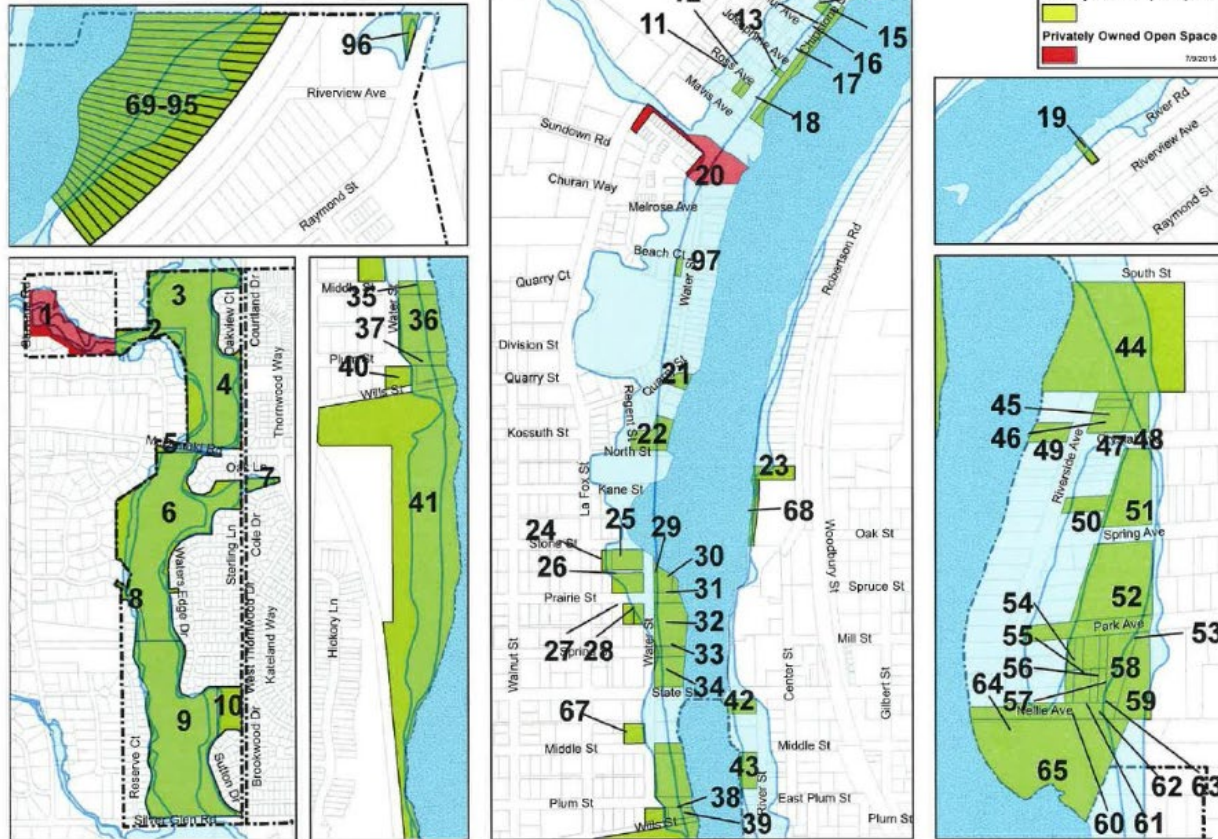
(As of June 2019)

16 CRS COMMUNITIES/CLASS

- ▶ Aurora 7
- ▶ Bartlett 6
- ▶ Carpentersville 6
- ▶ DuPage County 6
- ▶ Hampshire 7
- ▶ Lake County 6
- ▶ Lake Forest 7
- ▶ Lake in the Hills 6
- ▶ LaSalle County 8
- ▶ McHenry County 7
- ▶ Montgomery 5
- ▶ Ottawa 2
- ▶ South Elgin 5
- ▶ St. Charles 5
- ▶ Sugar Grove 6
- ▶ Sycamore 7

(As of May 2019)

Activity 420 Open Space Preservation



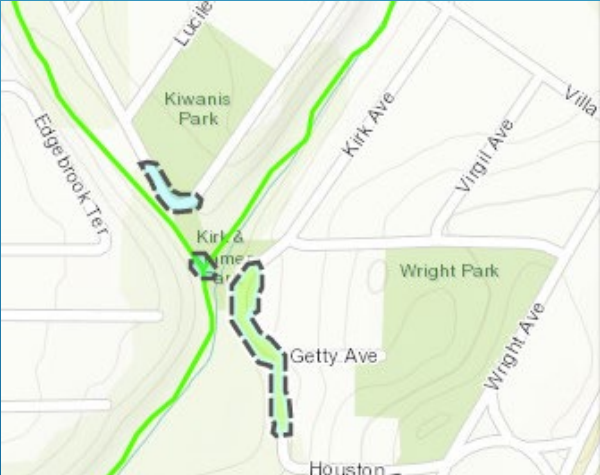
Village of South Elgin Impact Adjustment Map. Courtesy of South Elgin, IL.

OPEN SPACE PRESERVATION EXAMPLE – NEED INFO ON COMMUNITY BUYOUTS

SURVEY STATUS/RESULTS

As of June 18, 2019 -14 survey responses – Limited responses on Interactive Map

- ▶ Kendall County
- ▶ City of Batavia
- ▶ Village of Fox Lake
- ▶ Village of Hainesville
- ▶ Village of Hanover Park
- ▶ Village of Lake Barrington
- ▶ Village of Millbrook
- ▶ Village of South Elgin
- ▶ Village of Spring Grove
- ▶ Dundee Township
- ▶ Kendall Township
- ▶ Northville Township
- ▶ Sugar Grove Township
- ▶ Wayne Township



The map shows a creek area with several parks and roads. The parks are labeled: Kiwanis Park, Wright Park, and Edgebrook Park. The roads are labeled: Lucile, Kirk Ave, Virgil Ave, Villa, Getty Ave, Wright Ave, Houston, and Edgebrook Ter. A dashed line indicates a specific area of interest along the creek.

Email:	chanson@hanover-to
Name:	Caleb Hanson
Organization:	Hanover Township
Category:	Roadway overtopping
Water Name:	Poplar Creek
Comment:	Roadway overtopping during significant



EXISTING FLOOD CONTROL PRACTICES



EXISTING FLOOD CONTROL PRACTICES

WHAT ARE WE MISSING?

- Zoning Codes and Comprehensive Plans
- Open Space Preservation
- Local Stormwater and Floodplain Regulations
- State Floodway rules and Public Water restrictions
- Sandbagging
- Buyouts
- Elevations
- _____
- _____



SHORTFALLS IN EXISTING FLOOD CONTROL PRACTICES

SHORTFALLS IN EXISTING FLOOD CONTROL PRACTICES





BASIC STRUCTURE OF A FOX RIVER COALITION

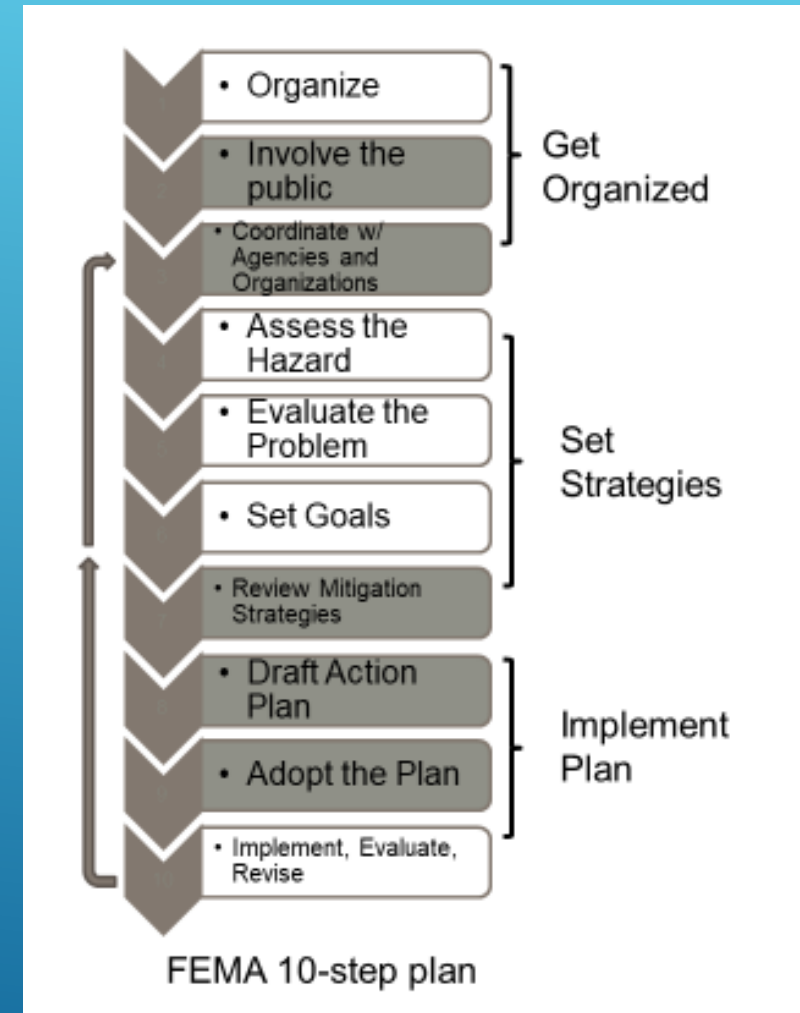


PA 100-3730 Directs the coalition to:

- Jointly leverage resources
- Collaborate on
 - ▶ Flood preparedness
 - ▶ Flood protection
 - ▶ Response
 - ▶ Recovery
 - ▶ Future damage reduction
 - ▶ Floodplain management education

BASIC STRUCTURE AND FORMATION OF A COALITION

- Organize the Coalition
- Write a Mission Statement
- Involve public, government agencies and non-profit groups
- Set goals
- Develop an Action Plan
- Adopt and Implement the Plan
- Continue Evaluating and Revising the Plan



EXAMPLE - Goals of the Illinois Valley Flood Resiliency Alliance (IVFRA)

1. Have someone in each community become trained in floodplain management and become a Certified Floodplain Manager
 2. All communities to 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
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Example of IVFRA Actions

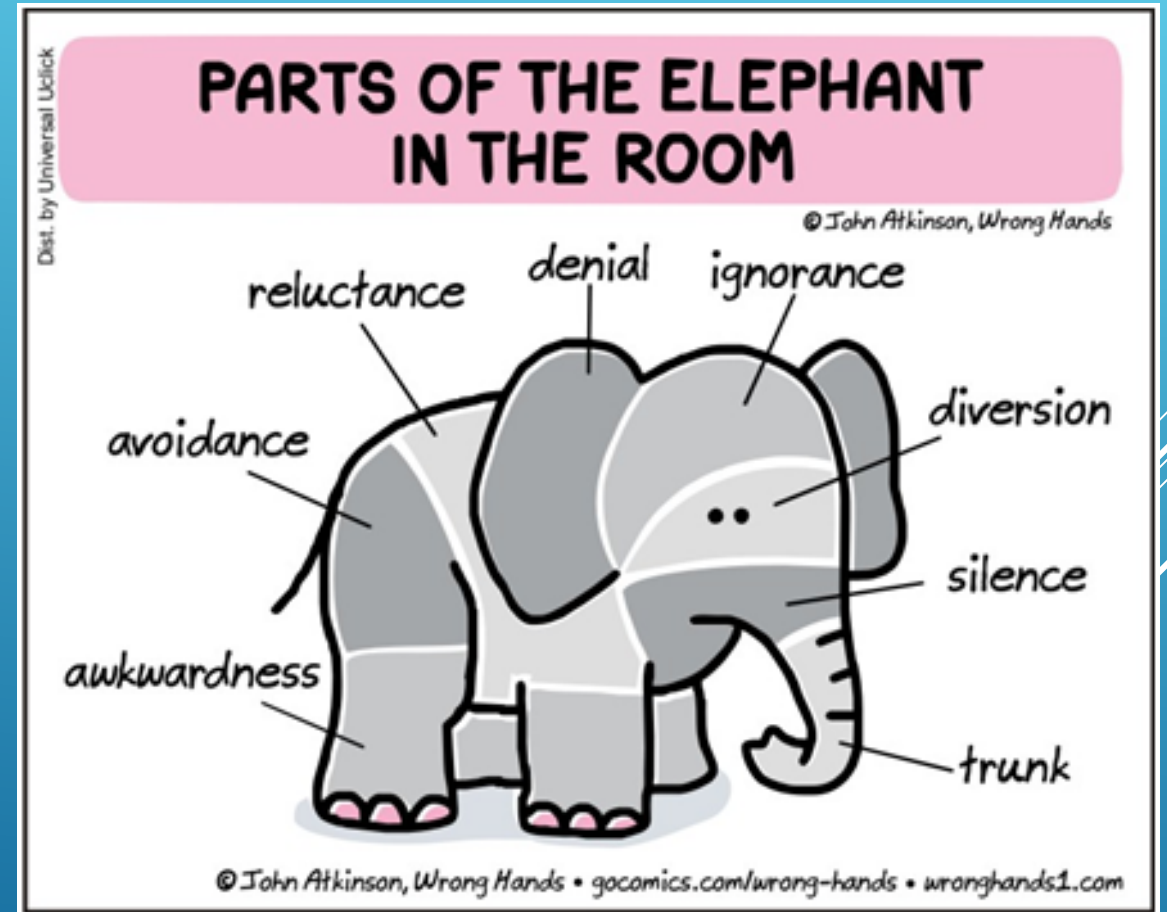
1. Alliance of the LaSalle, Grundy, Bureau, Kendall, and Putnam communities, local officials and county emergency managers, to communicate and work together through an informal resiliency plan for the region
2. Alliance members meet quarterly to discuss best practices and strategies for flooding
 - **Floodplain 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

IVFRA Implementation (continued):

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

THE ELEPHANT IN THE ROOM....

- The State Representative who pushed this legislation has resigned.
- The new State Representative is not interested in moving it forward.
- Commissioners/Local communities must take ownership in 2020.
- Is a Fox River coalition needed?
- Do the county emergency management agencies and stormwater agencies fill this role in Upper Fox?



NEXT STEPS

- ▶ IDNR will compile the survey results
- ▶ Commission Meeting in August
 - Set strategy and implementation schedule for a coalition
 - Discuss how a coalition can save taxpayer dollars
 - Discuss benefits to communities through participation in a coalition
- ▶ IDNR will draft the report in September for review in October.





QUESTIONS?

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PROCESS

Organize & Learn

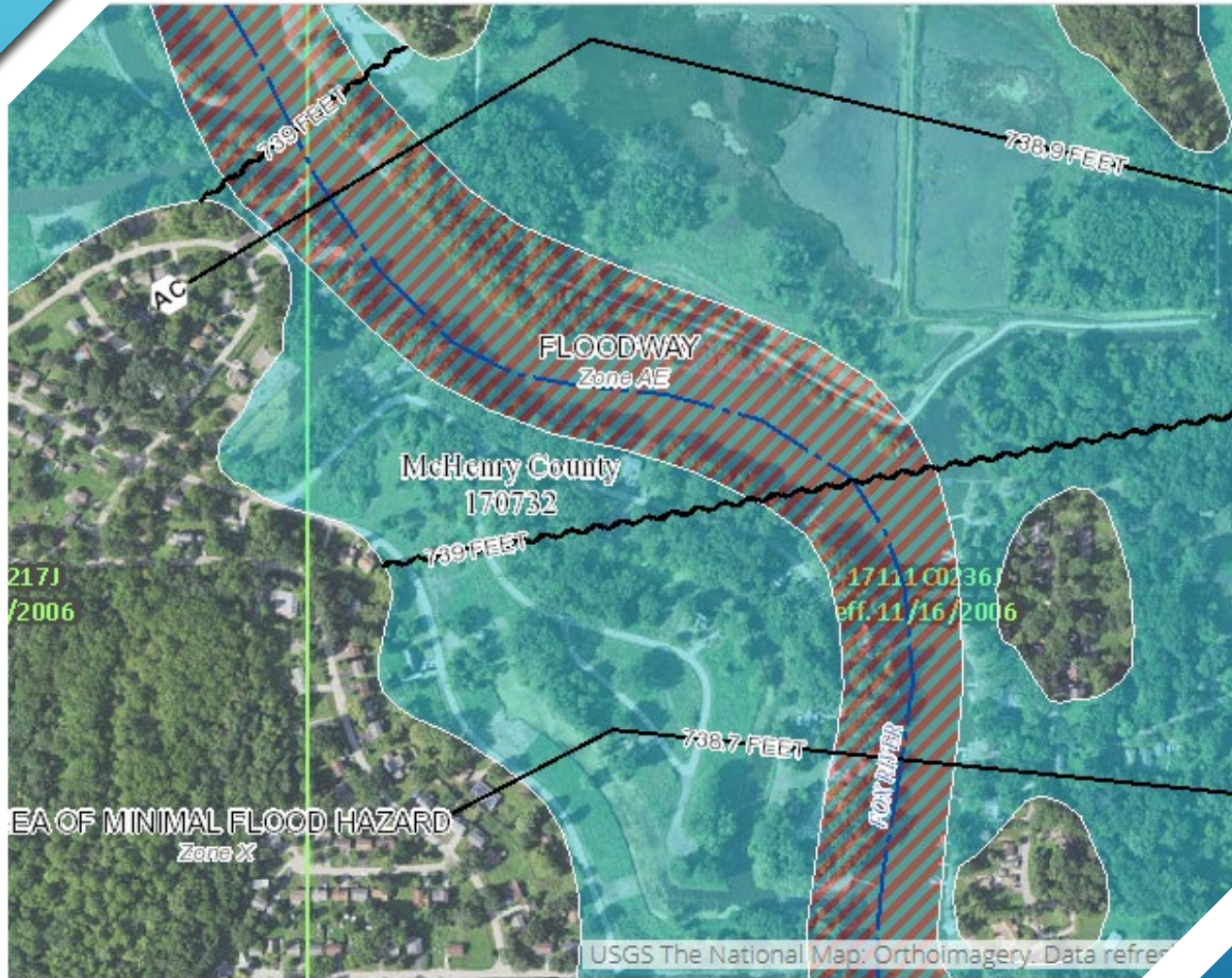
- Determine critical flood issues and extent of areas affected
- Assign tasks for next meeting and set meeting schedules
- Learn about existing alliances in Illinois, their functions and their successes

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



FLOODPLAIN MANAGEMENT ISSUES

- ▶ Buy-outs?
- ▶ Elevation?
- ▶ Response Plans?
- ▶ Flood management?
- ▶ Structural solutions?

SHORTFALLS IN EXISTING FLOOD CONTROL PRACTICES

- Weak Zoning Boards and Communities
 - Sandbagging – time consuming, labor intensive, disposal of sand
 - Detention basin maintenance
 - Waterway channel maintenance
 - Rainfall/Storms used in codes not addressing climate change
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