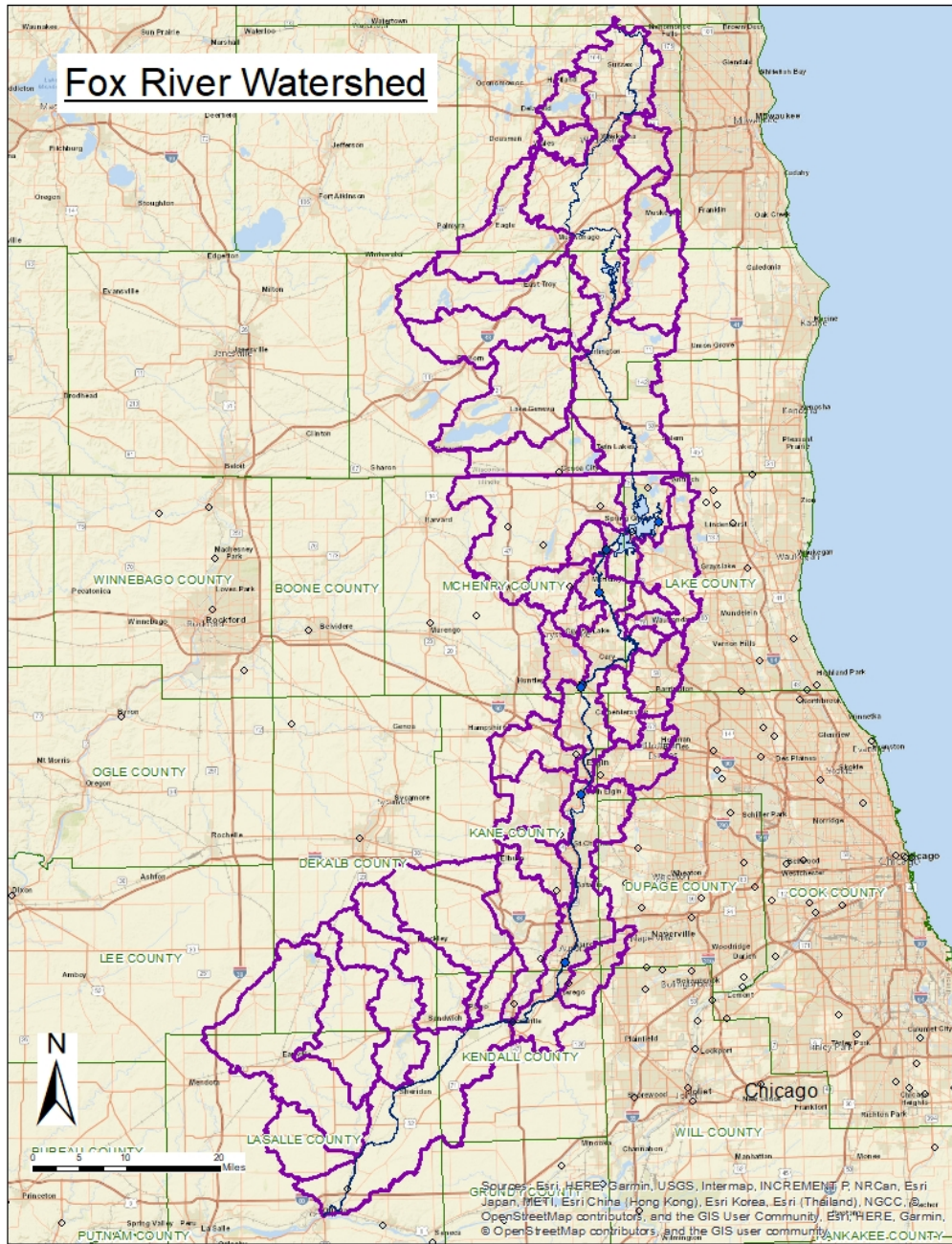


FOX RIVER FLOODING

February 27, 2019



Fox River Watershed



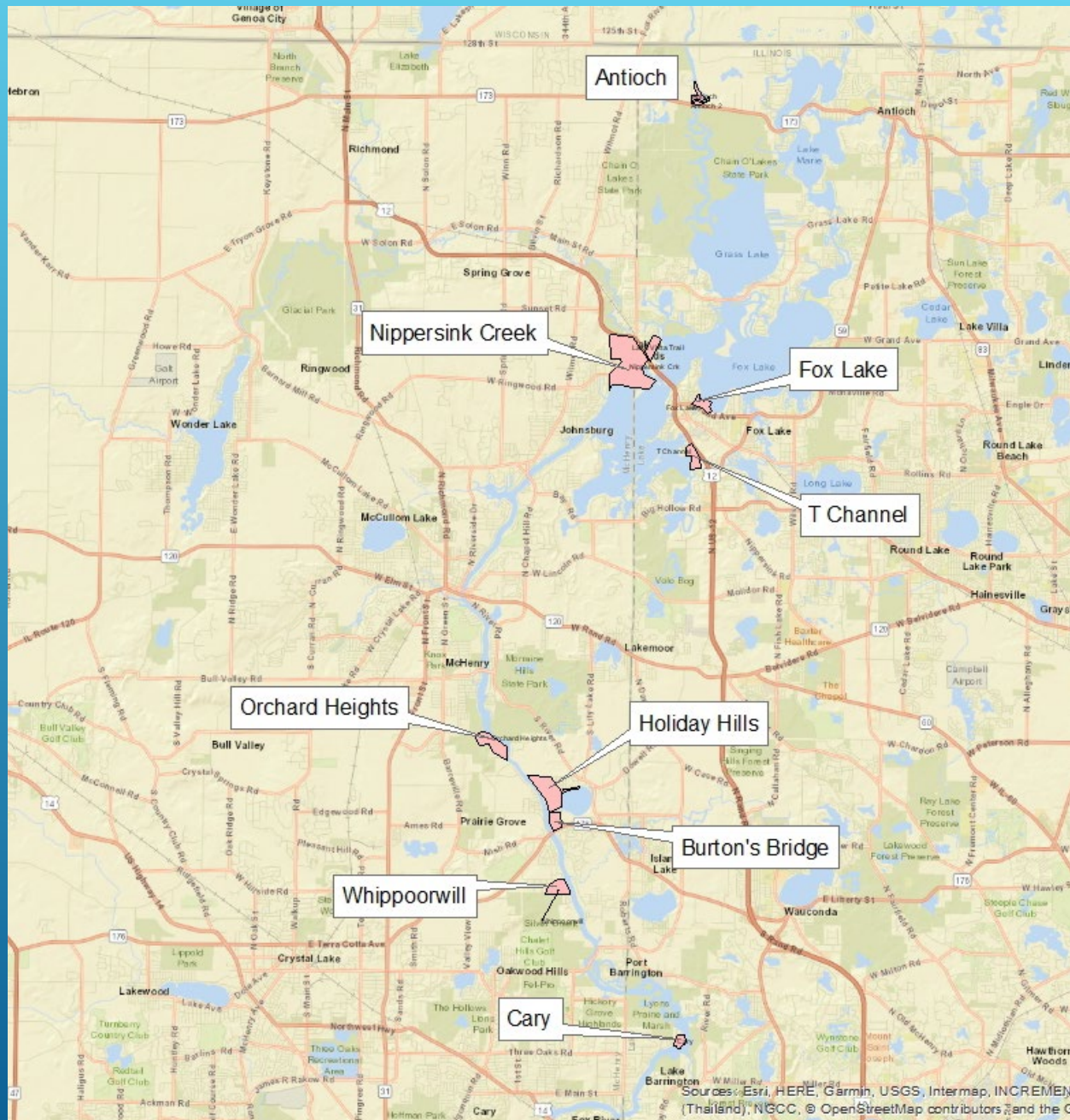
FOX RIVER WATERSHED

- 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.



KNOWN DAMAGE AREAS

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



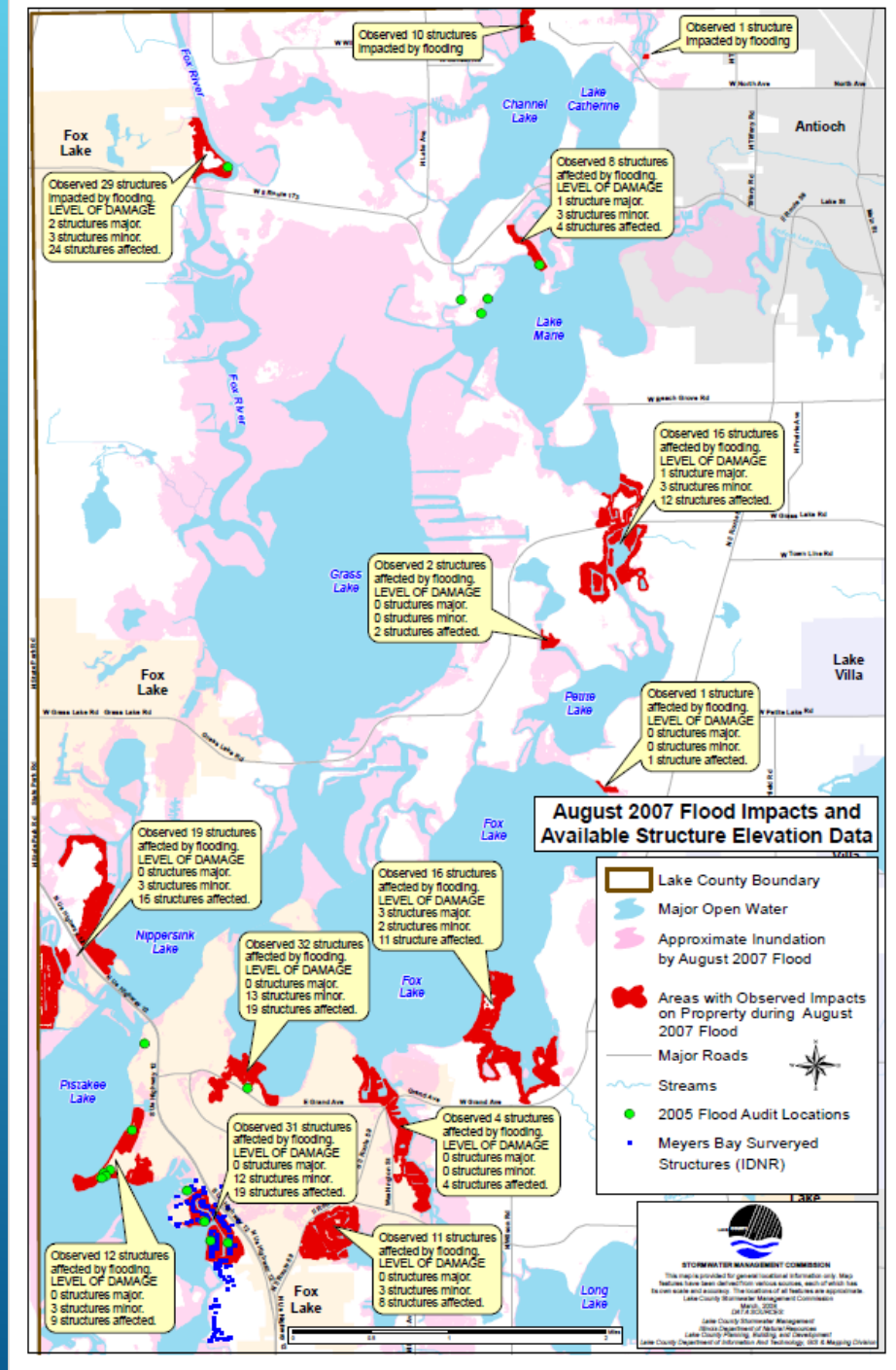
CITIZEN CONTACT

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



FLOOD LEVELS



- Minor – Flooding of roadways and open land adjacent to the river



- Moderate – Flooding adjacent to homes or flooding of crawlspaces, garages and sheds



- Major – Flooding of main living area or major roadways impassable

FOX RIVER WATERSHED FLOOD INSURANCE CLAIMS

Statewide:

50,000 claims

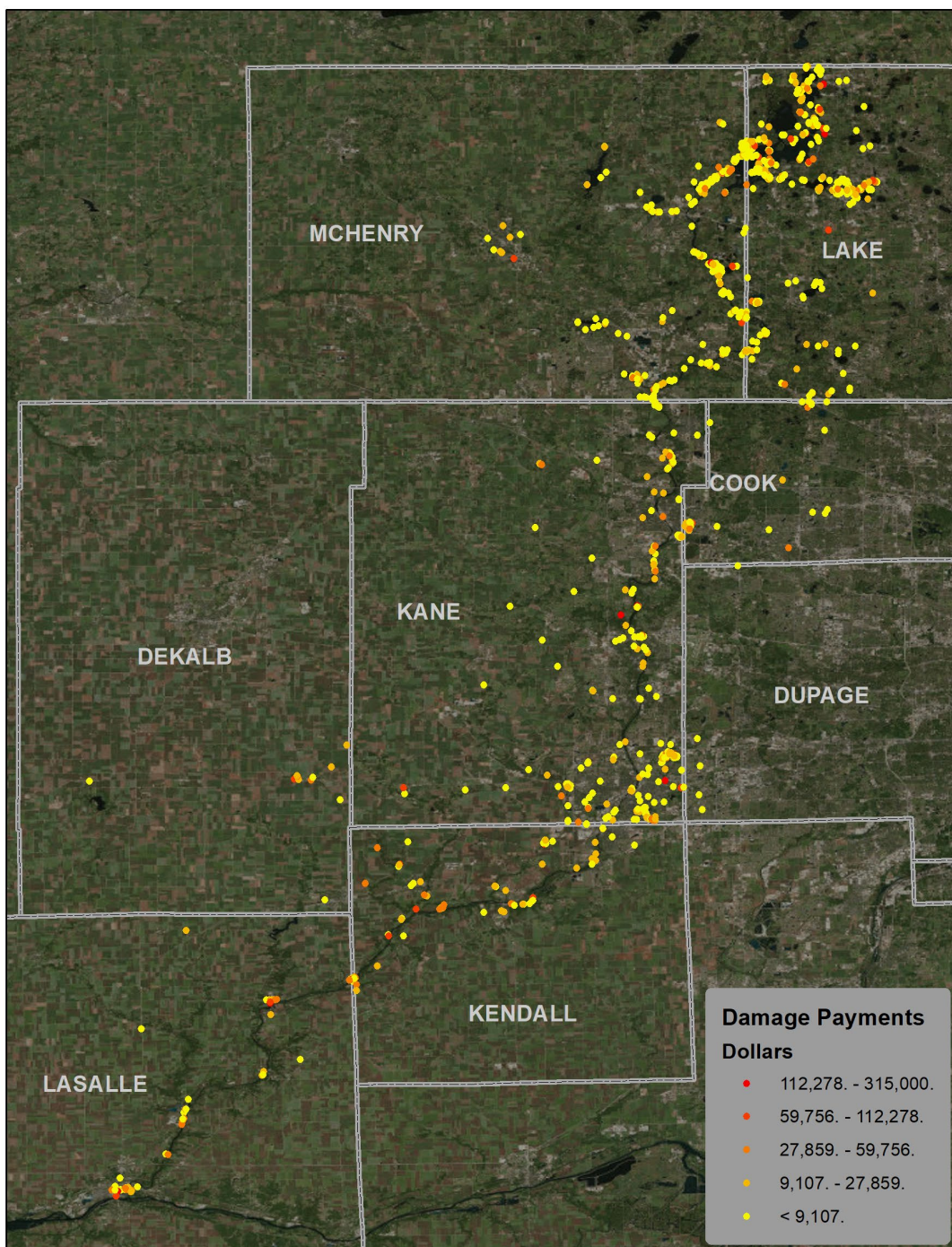
\$545,158,878 in damages

Fox River Watershed

2,350 claims

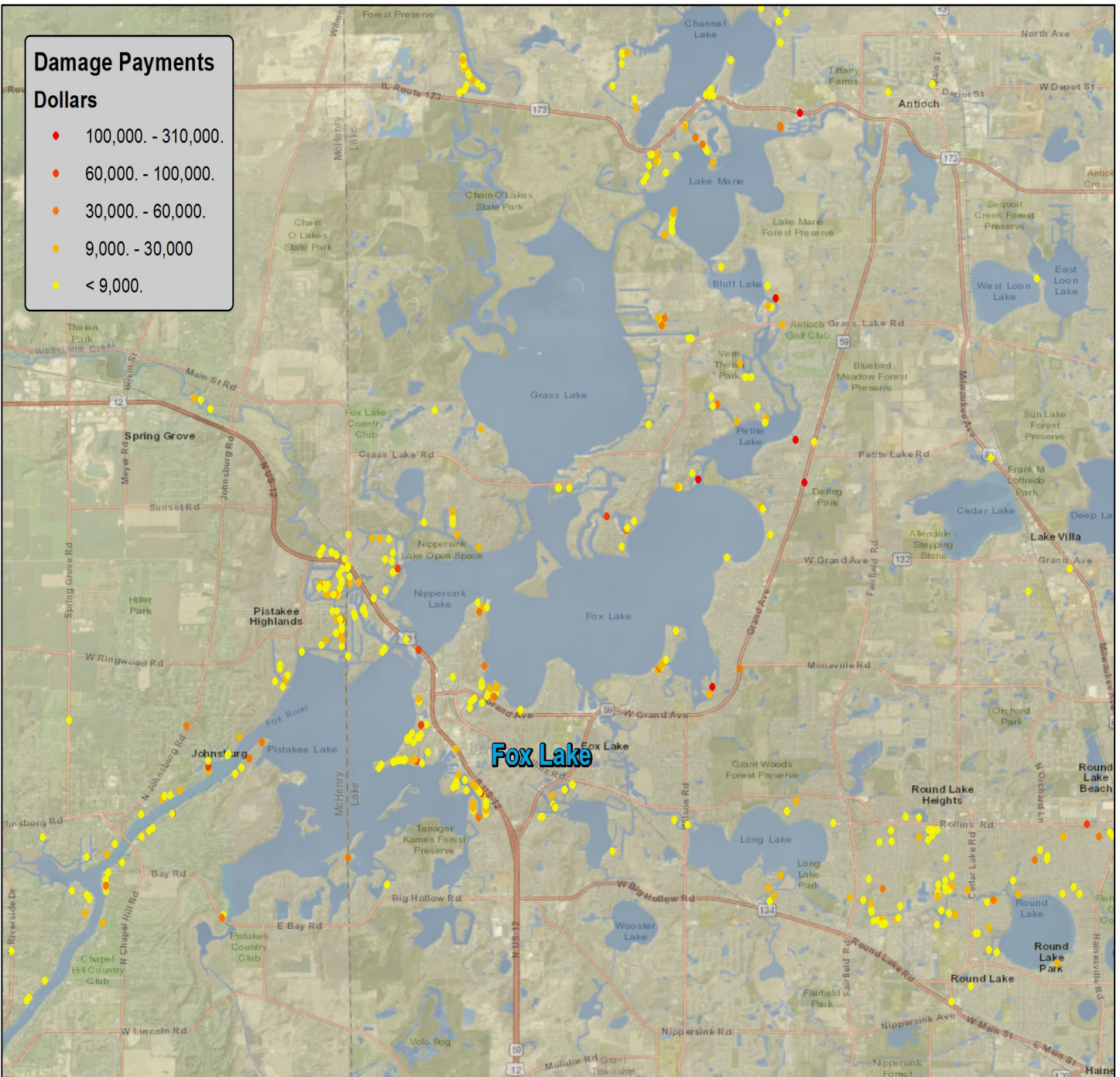
\$35,011,103 in damages

COUNTY	CLAIMS	DOLLARS
Lake	752	9,632,143
McHenry	553	5,862,387
Cook	40	795,340
Kane	625	10,347,753
Dekalb	14	282,987
Dupage	6	29,108
Kendall	118	2,527,587
Lasalle	242	5,533,798



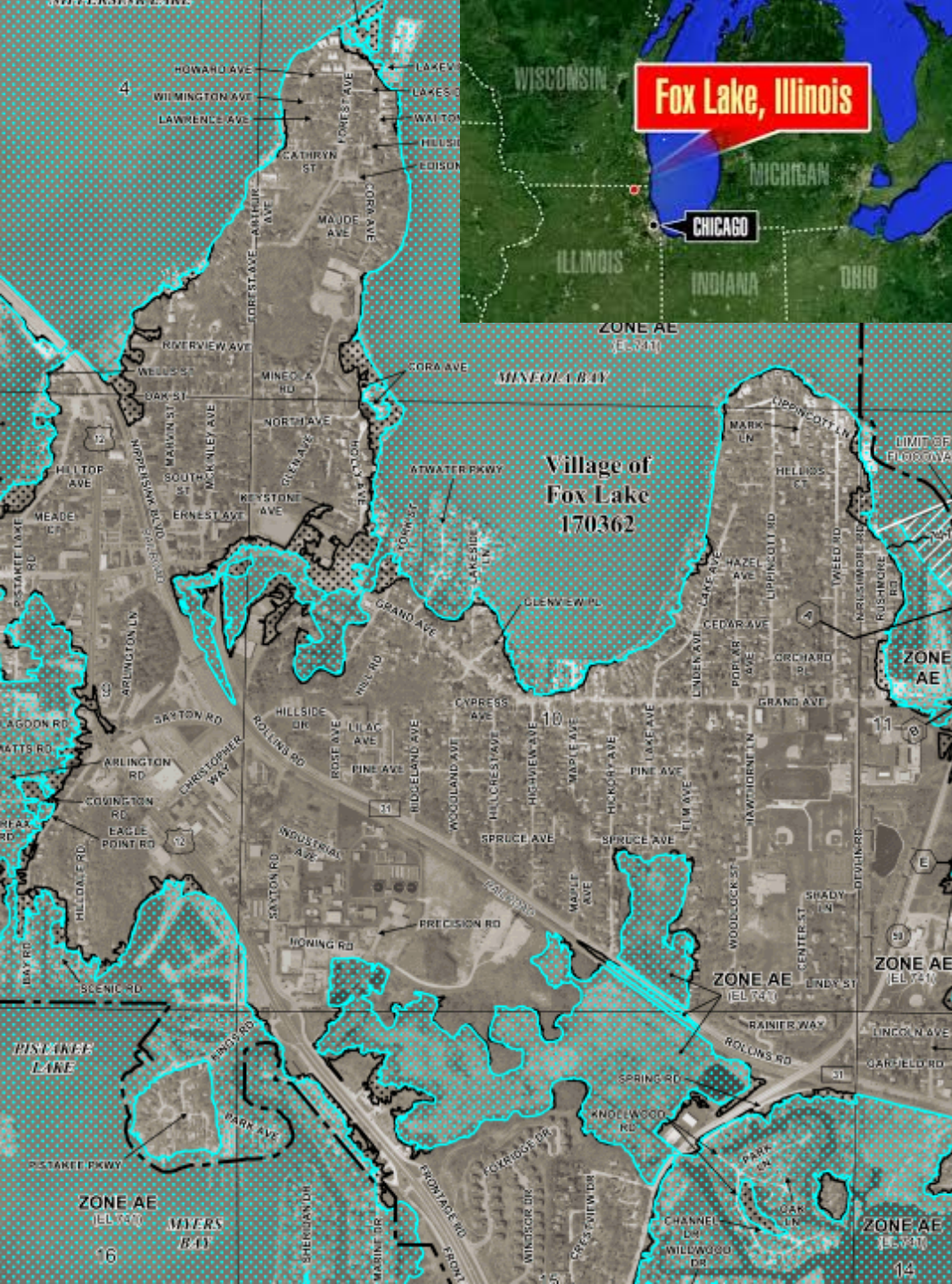
Damage Payments Dollars

- 100,000. - 310,000.
- 60,000. - 100,000.
- 30,000. - 60,000.
- 9,000. - 30,000
- < 9,000.



FOX CHAIN OF LAKES FLOOD INSURANCE CLAIMS

Majority of claims on the
upper Fox River are in and
around Fox Lake.



THAT'S ALOTA FLOODPLAIN IN FOX LAKE

213 Active Flood Policies

\$51,627,223 in Coverage

247 claims

\$2,910,812 in losses

Recent Major flooding in May 2004,
June 2008, April 2013, July 2017

History of minimal compliance
That is changing!

FOX LAKE INSPECTION FINDINGS

1995 unresolved issues:

3 new buildings – Need ECs, Flow thru vents, etc.

1999 unresolved issues:

8 new buildings – Need ECs, flow thru vents, etc..

8 fills

7 new decks, pools, woodpiles (Vinny didn't like woodpiles in the FP)

2007 – unresolved issues

3 new buildings

3 substantial improvements

3 fill or debris in the FP

2010 – new CAV

8 new buildings

3 substantial improvements

1 fill

Post 2010 – found on the air photos

3 new buildings

3 new pools

Total = 53 issues to resolve!

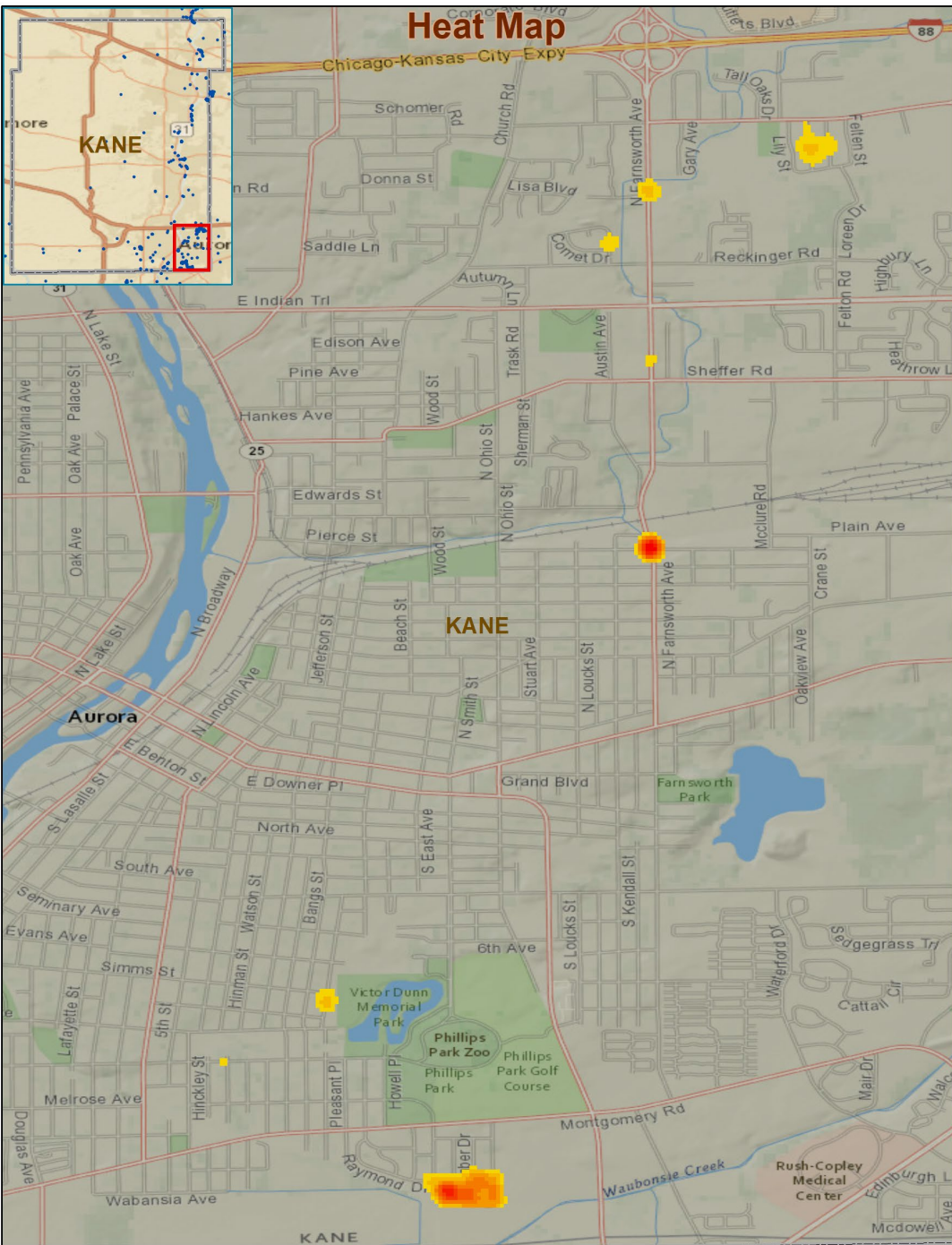


- ▶ 5 Elevation Certificates shot (some above FFE)
 - ▶ 7 crawlspaces vented
 - ▶ All comp storage calculations determined
 - ▶ 8 utilities elevated
 - ▶ All fill removed
 - ▶ Three buyouts!

SYSTEM COMPONENTS																				ROW INDEX		ROW INDEX DATE				REMARKS	STATUS	ACTION	REMARKS
ITEM ID	ITEM NAME	ITEM TYPE	ITEM CODE	ITEM DESCRIPTION	ITEM CATEGORY	ITEM STATUS	ITEM VALUE	ITEM UNIT	ITEM QTY	ITEM PRICE	ITEM TOTAL	ITEM DATE	ITEM TIME	ITEM USER	ITEM ACTION	ITEM RESULT	ITEM COMMENT												
1	System Component	Hardware	1001	System Component	Hardware	Active	1000	Unit	1	1000	1000	2023-10-27	10:00	Admin	Update	Success	System Component updated successfully.												
2	System Component	Software	1002	System Component	Software	Active	2000	Unit	2	2000	2000	2023-10-27	10:05	Admin	Update	Success	System Component updated successfully.												
3	System Component	Hardware	1003	System Component	Hardware	Active	3000	Unit	3	3000	3000	2023-10-27	10:10	Admin	Update	Success	System Component updated successfully.												
4	System Component	Software	1004	System Component	Software	Active	4000	Unit	4	4000	4000	2023-10-27	10:15	Admin	Update	Success	System Component updated successfully.												
5	System Component	Hardware	1005	System Component	Hardware	Active	5000	Unit	5	5000	5000	2023-10-27	10:20	Admin	Update	Success	System Component updated successfully.												
6	System Component	Software	1006	System Component	Software	Active	6000	Unit	6	6000	6000	2023-10-27	10:25	Admin	Update	Success	System Component updated successfully.												
7	System Component	Hardware	1007	System Component	Hardware	Active	7000	Unit	7	7000	7000	2023-10-27	10:30	Admin	Update	Success	System Component updated successfully.												
8	System Component	Software	1008	System Component	Software	Active	8000	Unit	8	8000	8000	2023-10-27	10:35	Admin	Update	Success	System Component updated successfully.												
9	System Component	Hardware	1009	System Component	Hardware	Active	9000	Unit	9	9000	9000	2023-10-27	10:40	Admin	Update	Success	System Component updated successfully.												
10	System Component	Software	1010	System Component	Software	Active	10000	Unit	10	10000	10000	2023-10-27	10:45	Admin	Update	Success	System Component updated successfully.												
11	System Component	Hardware	1011	System Component	Hardware	Active	11000	Unit	11	11000	11000	2023-10-27	10:50	Admin	Update	Success	System Component updated successfully.												
12	System Component	Software	1012	System Component	Software	Active	12000	Unit	12	12000	12000	2023-10-27	10:55	Admin	Update	Success	System Component updated successfully.												
13	System Component	Hardware	1013	System Component	Hardware	Active	13000	Unit	13	13000	13000	2023-10-27	11:00	Admin	Update	Success	System Component updated successfully.												
14	System Component	Software	1014	System Component	Software	Active	14000	Unit	14	14000	14000	2023-10-27	11:05	Admin	Update	Success	System Component updated successfully.												
15	System Component	Hardware	1015	System Component	Hardware	Active	15000	Unit	15	15000	15000	2023-10-27	11:10	Admin	Update	Success	System Component updated successfully.												
16	System Component	Software	1016	System Component	Software	Active	16000	Unit	16	16000	16000	2023-10-27	11:15	Admin	Update	Success	System Component updated successfully.												
17	System Component	Hardware	1017	System Component	Hardware	Active	17000	Unit	17	17000	17000	2023-10-27	11:20	Admin	Update	Success	System Component updated successfully.												
18	System Component	Software	1018	System Component	Software	Active	18000	Unit	18	18000	18000	2023-10-27	11:25	Admin	Update	Success	System Component updated successfully.												
19	System Component	Hardware	1019	System Component	Hardware	Active	19000	Unit	19	19000	19000	2023-10-27	11:30	Admin	Update	Success	System Component updated successfully.												
20	System Component	Software	1020	System Component	Software	Active	20000	Unit	20	20000	20000	2023-10-27	11:35	Admin	Update	Success	System Component updated successfully.												

Only a couple little outstanding items remain!!
Joining CRS soon!

Heat Map

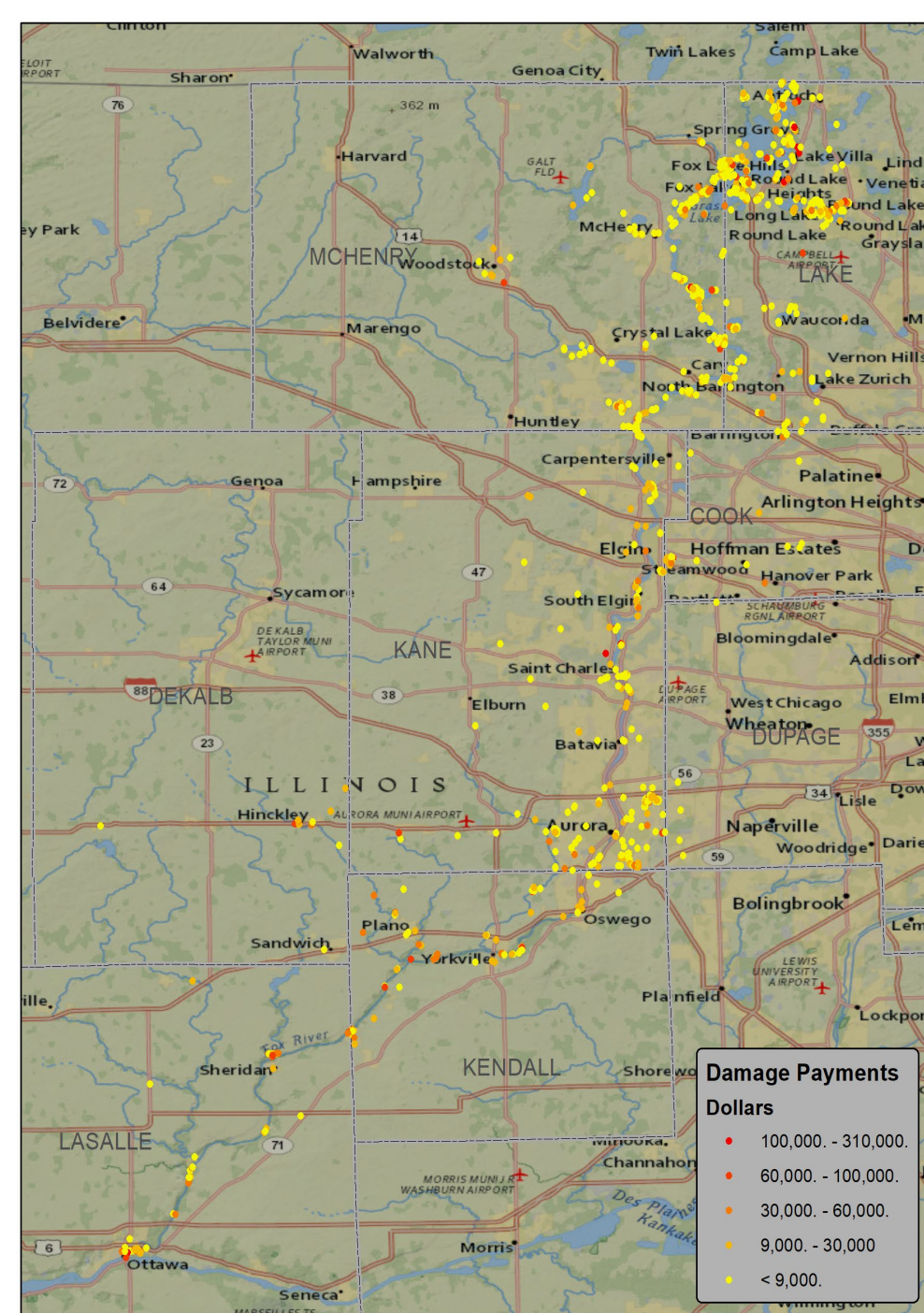


SOUTH KANE COUNTY CITY OF AURORA CITY OF MONTGOMERY NFIP CLAIMS

Highest loss areas located
on smaller tributary
streams not on the actual
Fox River.

REPETITIVE LOSS PROPERTIES (TOP 15)

Fox Lake	103
Elgin	50
Port Barrington	21
South Elgin	19
Plainfield	19
Holiday Hills	18
Montgomery	16
Algonquin	15
Spring Grove	13
Round Lk Bch.	12
Lk. in the Hills	10
Fox River Gr.	7
Plano	7
McHenry	6
Aurora	5



BUYOUTS WORK CITY OF OTTAWA

**1982. The Ottawa “flats”.
Under water.**

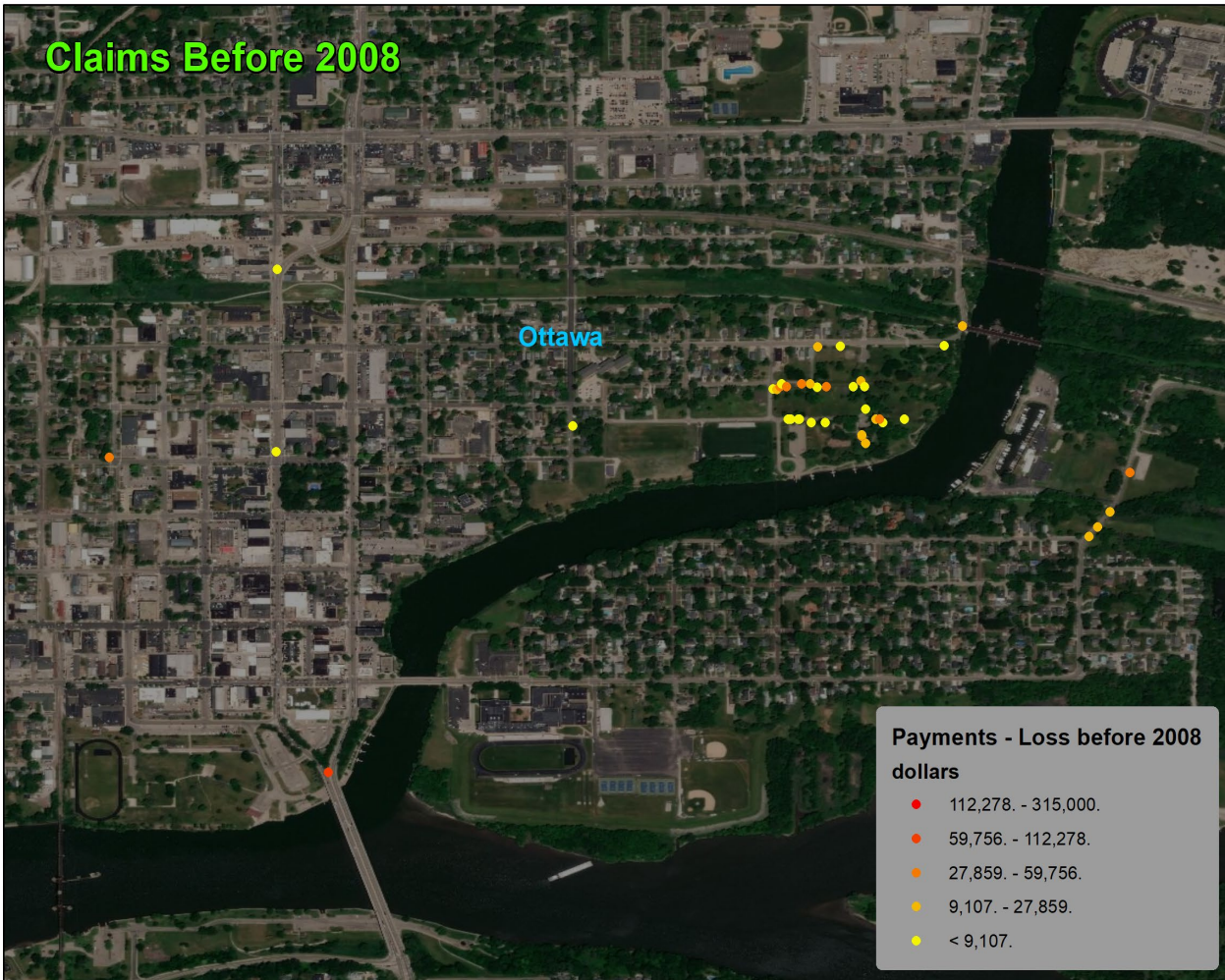


**2008. The same Ottawa “flats”
After buyouts.**

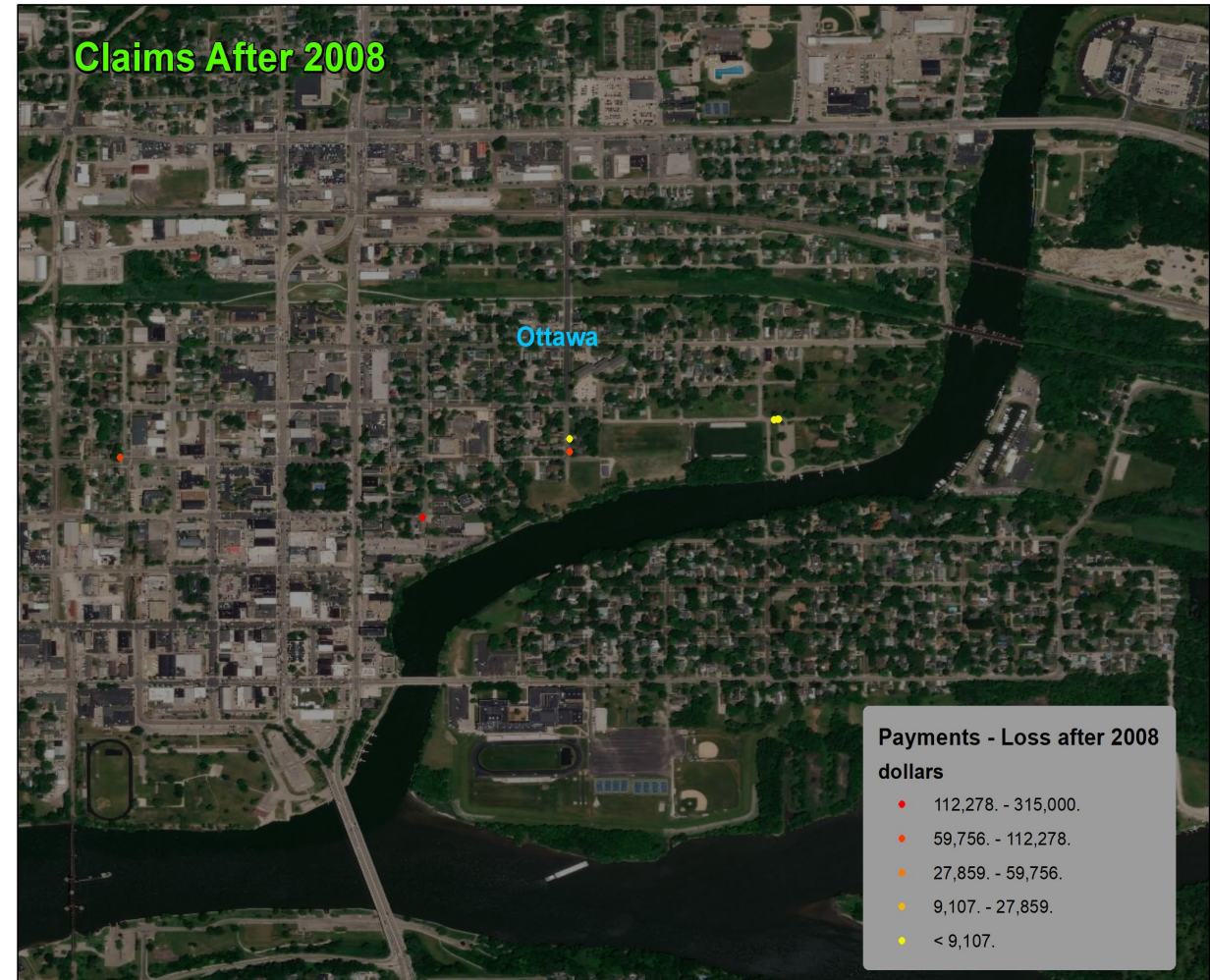


CITY OF OTTAWA BUYOUTS WORK

Claims Before 2008



Claims After 2008



ELEVATION



Fox River
Sheridan, IL

One month after the 2008 flood!!!!

INCREASED COST OF COMPLIANCE BEFORE-AND-AFTER



NEXT STEPS

1. Develop documentation of the extent and character of flooded areas
 - a) Fox River, tributary, or urban flooding
 - b) Number of structures impacted at major, moderate, and minor flood levels
 - c) Street flooding and traffic disruption
2. Shortfalls in current flood control practices
 - a) Flood response/Individual flood protection
 - b) Flood preparedness planning
 - c) Regulation of floodplain development
 - d) Flood damage reduction projects



COMMISSION MEMBERSHIP

Contact State Representatives and State Senators

Request nomination to the Fox River Flood Commission

Stay active as a technical advisor