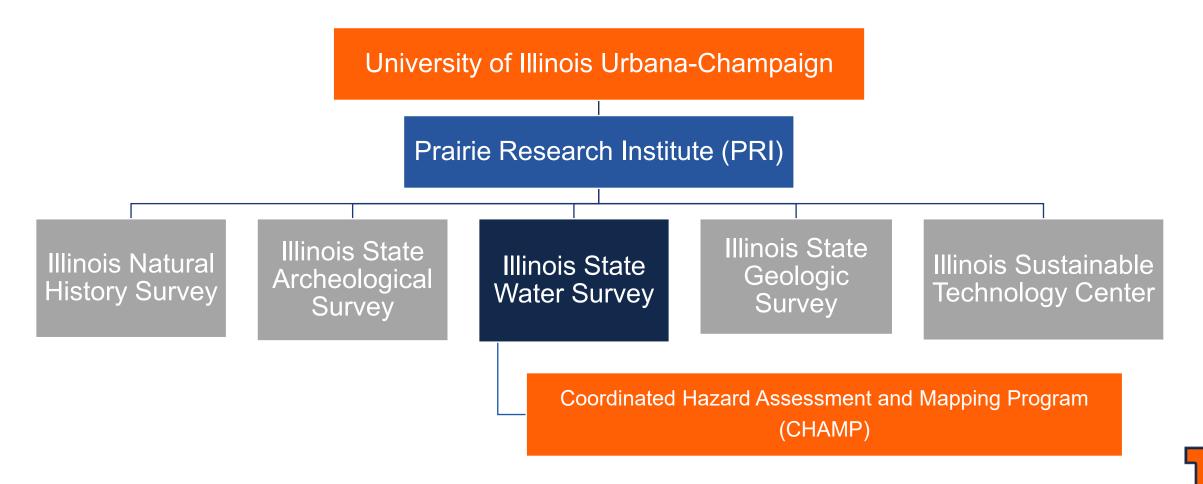
Maintaining the Momentum

From Planning to Action to Achieve Resilience

Camden Arnold & Meirah Williamson

ILLINOIS Illinois State Water Survey PRAIRIE RESEARCH INSTITUTE IAFSM 2024 Peoria, Illinois 3/15/2024

Where are we from?



About Us



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What is Hazard Mitigation Planning?

- Hazard mitigation planning reduces loss of life and property by minimizing the impact of disasters
- Mitigation plans are key to breaking the cycle of disaster damage and reconstruction



Why Mitigation?

- Preventing loss of life and injury
- Reducing property damage to homes and businesses
- Reducing business interruption and revenue loss
- Protecting cultural and historical assets
- Helping to lower emergency response and disaster recovery costs
- Reducing environmental damage
- Building a sense of place and peace of mind



Cass County, Illinois: Timeline



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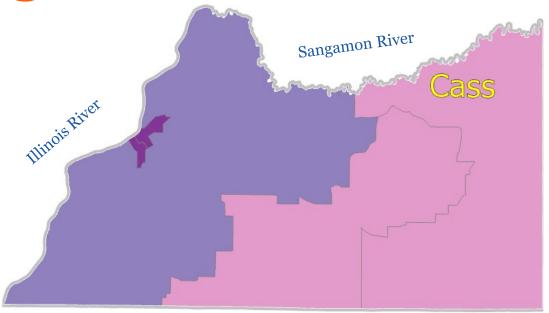


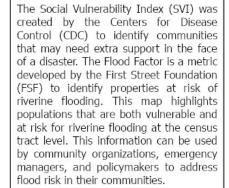
Cass County, Illinois

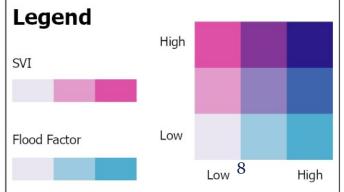
Community **Population Change**, 2010 2020 2010-2020 (%) **Cass County** 13,642 13,042 -4.4 Arenzville 367 -10.3 409 Ashland -8.6 1,218 1,333 **Beardstown** 6,123 -2.8 5,951 Chandlerville -4.7 553 527 Virginia -6.0 1,611 1,514 Sangamon River Illinois River Chandlerville Beardstown Virginia Arenzville Ashland

Unique Characteristics

- Riverine flooding!
- Moderate social vulnerability and low riverine flood risk in eastern Cass County
- Moderate social vulnerability and moderate risk in western Cass County
- High social vulnerability and moderate flood risk in Beardstown







Unique Characteristics: Beardstown

- JBS
 - Pork production plant
 - 2,000 employees
 - 26 languages spoken
- 22% were born outside of the United States
- 21% of speak English "less than well"
- 37% speak a language other than English at home
- Communication and cultural barriers



Community Champions





Illinois Extension

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

- Cass County Emergency Services & Disaster Agency
 - Roger Lauder
- Cass County Board Members
 - Ramona Douglass
- University of Illinois Extension
 - Dustin Fritsche





Mitigation Goals

- Goal 1. Lessen the impacts of hazards to new and existing infrastructure
- Goal 2. Create new or revise existing plans/maps for Cass County
- Goal 3. Develop long-term strategies to educate Cass County residents on the hazards affecting their county
- Goal 4. Protect life and livelihoods in Cass County



Mitigation Projects









Mitigation Projects

- Improve/develop/enhance emergency communication to the general public; explore and utilize every means of contact with the general public
- Revamp, reorganize, and revitalize the Local Emergency Planning Commission (LEPC)
- Join the Community Rating System (CRS)
- Buy property (house) in order to widen a dangerous, sharp corner to reduce accidents. This is a main truck and school bus route
- Work with local school, churches, and businesses for shelter and food to serve people in need during emergencies
- Develop a flood evacuation plan for the City of Beardstown based on the Sid Simpson Levee Breach Analysis compiled by the US Army Corps of Engineers
- Enhance internet hotspots throughout the community for use during emergencies



- Multilingual (Beardstown)
- Mobile app/opt-in not required
- Genasys Emergency Warning System
 - ✓~\$3,000/year

Affordable

- Can broadcast in multiple languages
- Emergency notifications are sent to every device in the area
- Brought before the county board in February; vote scheduled for March

• Emergency warning systems were a high priority in every community

 "We could not get these conversations started before we began working on this hazard mitigation plan"





Funding Success Story!

Community Rating System (CRS)

- CRS ---- potential project idea?
- The CRS is a voluntary incentive program that encourages communities to go above and beyond minimum NFIP standards

Community	Policy holders	Policy holders in SFHA	Population
Cass County	36	6	13,042
Arenzville	0	0	367
Ashland	5	4	1,218
Beardstown	78	2	5,951
Chandlerville	21	20	527
Virginia	5	3	1,514



Small Communities in the CRS

- 150 CRS communities (pop. < 5,000)
 - 18 CRS communities Class 5
- Class 9
 - City of Metropolis (pop. 5,969)
 - Village of Roxana (pop. 1,454)
- Class 6
 - Jersey County (pop. 21,512)
- Class 5
 - ????

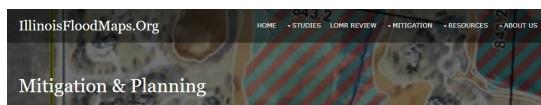
CRS Class	CRS Discount
1	45%
2	40%
3	35%
4	30%
5	25%
6	20%
7	15%
8	10%
9	5%
10	0%

What's Next?

- Increase community knowledge regarding their flood risk
 - Repetitive loss properties
 - Open space in Special Flood Hazard Areas (SFHA)
 - Outreach material
- Revamp, reorganize, and revitalize Local Emergency Planning Commission (LEPC)
- Yearly hazard mitigation plan check-ins



Website





Hazard Mitigation Plans



The essential steps of hazard mitigation – hazard identification, vulnerability analysis, and creating a hazard mitigation strategy – are addressed in the creation of the local hazard mitigation plan. The Illinois State Water Survey (ISWS) collaborates with Illinois counties, regional planning commissions, and the University of Illinois Extension to create and update local hazard mitigation plans.





Hazard Mitigation is defined as any

the cycle of damage and repair in

hazardous areas.

sustained action taken to reduce or eliminate the long-term risk to life and property from hazard ent of events. It is an on-going process WS). It that occurs before, during, and a fee disasters and serves to break

Structures At Flood Risk (SAFR)



SAFR is the product of collaboration between the Illinois Department of Natural Resources (IDNR) and the Illinois State Water Survey (ISWS). It contains data about structures in Illinois and their flood risk. SAFR is password-protected. The intended audiences are state and local officials and agency staff; in particular, floodplain managers, mitigation officers, and city planners.

Buyouts Database



The Illinois Buyouts Database is the product of collaboration between the Illinois Department of Natural Resources (IDNR) and the Illinois State Water Survey (ISWS). It contains data about structures in Illinois that have been mitigated through acquisition. The Buyouts Database web map is password-protected. The intended audiences are state and local officials and agency staff; in particular, floodplain managers, mitigation officers, and ctty planners.

Questions?

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Visit our website: <u>https://www.illinoisfloodmaps.org/mitigation.aspx</u>