

Risk MAP (Mapping, Assessment Planning)

Through collaboration with State, Local, and Tribal entities, Risk MAP will deliver quality data that increases public awareness and leads to action that reduces risk to life and property



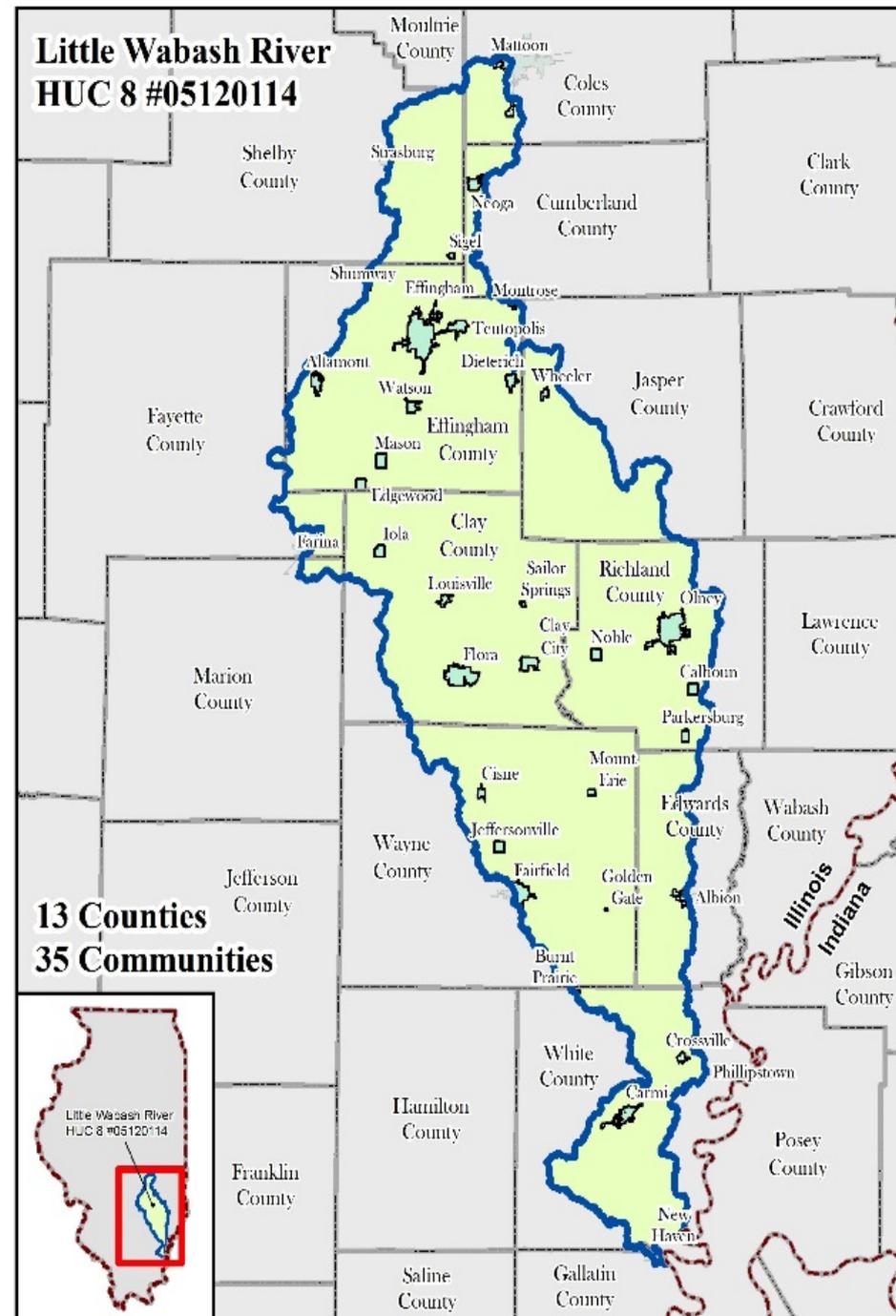
FEMA Risk MAP

On a watershed basis:

- Identify flood hazards
- Raise flood awareness
- Encourage mitigation actions to increase resilience

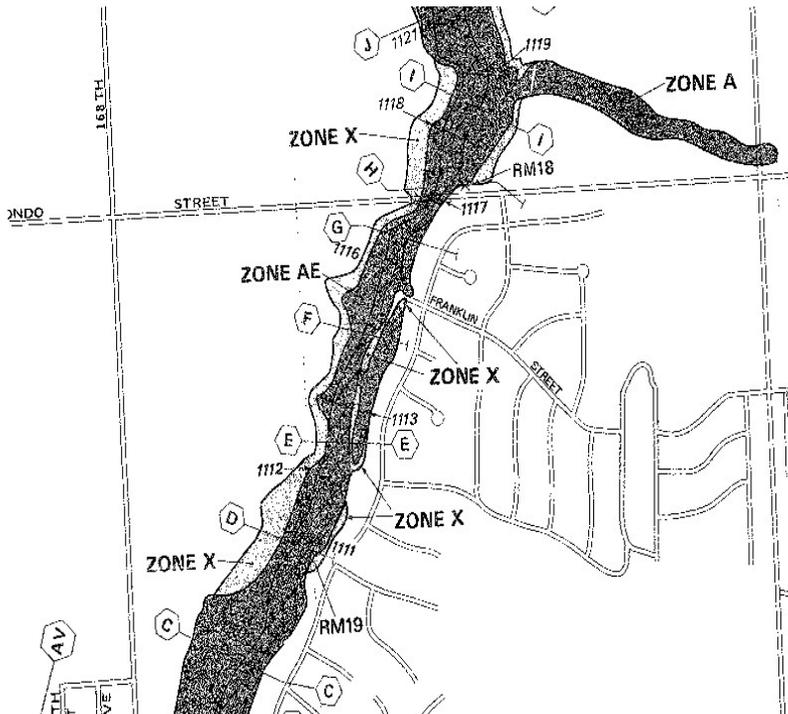
Discovery Meeting Goals:

- Provide information about floodplain management, mitigation resources, and flood hazards
- Gather information on flood study and mapping needs



Flood Maps: Paper vs Digital

- Paper Flood Insurance Rate Map - FIRM (Clay, Edwards, Effingham, Fayette, Jasper, Richland, Shelby, and Wayne County)

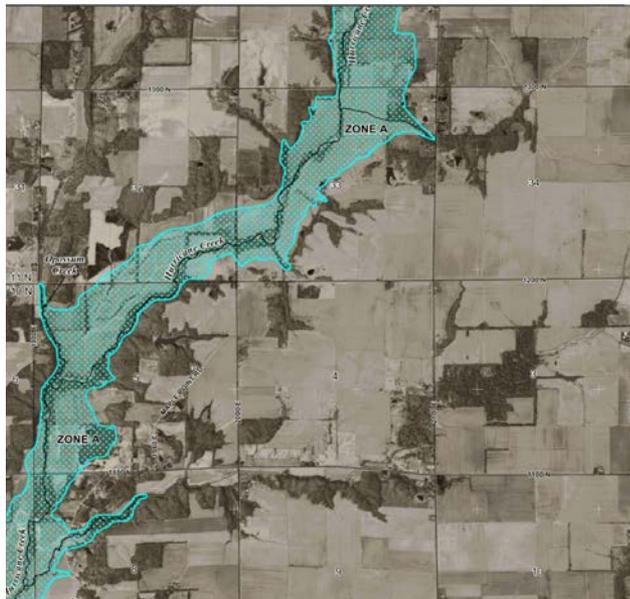


- Digital Flood Insurance Rate Map - DFIRM (Coles, Cumberland, White County)

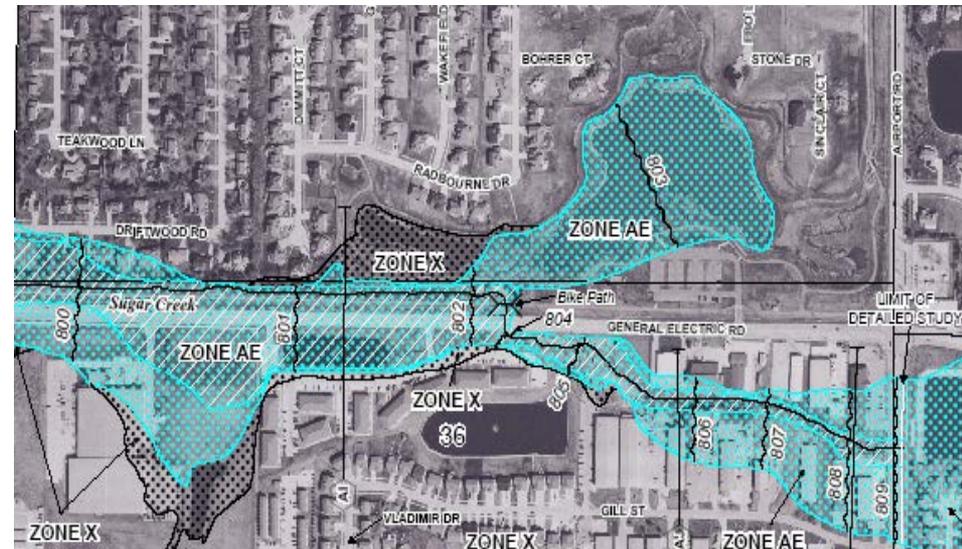


Basic Map Terms: Zone A & Zone AE

- **Zone A** is an approximate flood hazard zone, showing the area that has a 1% annual chance of flooding (a.k.a. 100 year flood, Base Flood)



- **Zone AE** (or numbered Zone A) is a floodplain where BFEs have been established. Engineering study performed to determine how high the water will rise during the 1% annual chance (100 year) flood.



Risk MAP

mapping



floodplain
management

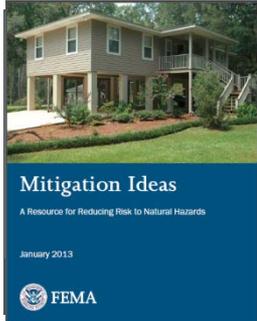


mitigation



FEMA's Toolbox

Publications



Mitigation Ideas
A Resource for Reducing Risk to Natural Hazards
January 2013



Build Back Safer and Stronger
What You Need to Know



National Flood Insurance Program Increased Cost of Compliance Coverage
Creating a Safer Future



Education
www.ready.gov

Hazard Mitigation Plan
Edwards County, Illinois
Adoptive Date: May 4, 2009

Primary Point of Contact:
Federal Judge
Edwards County Emergency Management Agency Director
Edwards County Sheriff's Department
102 E. Main St.
Alton, IL 61810
Office Phone: 618-445-2723
Mobile Phone: 618-445-2922
E-mail: edwards@edcountil.com

Secondary Point of Contact:
Sarah Mann
Center National Regional Planning Commission
Phone: (317) 443-3132
Prepared by: Center National Regional Planning Commission
11 West Main Street
Alton, IL 61810
Phone: (317) 443-3132
and
Department of Geology
Southern Illinois University
Carbondale, Illinois 62901
and
The Parks Center
1200 Waterloo Mill Road 100
Indianapolis, IN 46202
Phone: (317) 276-2432

Multi-Hazard Mitigation Plan
Richland County
2012





Jasper County Multi-Jurisdictional Natural Hazards Mitigation Plan

Plan Authors: Gov. Lawrence University of Illinois Extension/Jasper County Cong. Leif Miller University of Illinois Extension/Jasper County Industrial Development Council

Jasper County Hazard Mitigation Planning Committee

February 2011

Mitigation Action Tracker

FEMA Mitigation Action Tracker

Search by State: [Dropdown]

Map Legend: [Color-coded legend]

Mitigation Action Data

Hazard Mitigation Plans

National Flood Insurance Program



Changes Since Last FIRM



Discovery Products

ILLINOIS FLOODMAPS.ORG

Saline River Watershed Discovery

The Saline River Watershed encompasses large sections of Saline, Saline, Danvers, Otter, Williams, and Harris counties in Illinois. It has history with great portions of Francis, Johnson, and Pike Counties.

Saline Discovery Meeting

- Discovery Report for Saline Watershed (PDF)
- Discovery Report for Saline Watershed (PDF)
- Saline Watershed Discovery Database (PDF)
- Saline Watershed Discovery Database (PDF)
- Discovery Map Data Layers (PDF)
- Discovery Summary (PDF)
- Links to Discovery-related websites

Community Rating System

National Flood Insurance Program Community Rating System

A Local Official's Guide to Saving Lives Preventing Property Damage Reducing the Cost of Flood Insurance

FEMA 571



The National Flood Insurance Program (NFIP)

8

A voluntary program based on a mutual agreement between the Federal government and the local community:

In exchange for adopting and enforcing a floodplain management ordinance, Federally-backed flood insurance is made available to property owners throughout the community.

Little Wabash River Watershed NFIP Participation

(8/17/2016- Community Status Book Report for Illinois)

County Community	NFIP	Current Effective Map Date
Village of Clay City	yes	01/18/1984
City of Flora	yes	08/05/1985*
Coles County	yes	07/18/2011
City of Mattoon	yes	07/18/2011
Cumberland County	yes	02/04/2011
Village of Montrose	yes	NSFHA
City of Neoga	yes	02/04/2011*
Edwards County	yes	02/07/1984*
(Effingham County)		
City of Altamont	yes	09/04/1985*
Village of Dietrich	yes	-
City of Effingham	yes	07/18/1985*
Village of Montrose	yes	NSFHA
Village of Teutopolis	yes	08/19/1985*

Little Wabash River Watershed NFIP Participation continued (8/17/2016- Community Status Book Report for Illinois)

County Community	NFIP	Current Effective Map Date
Gallatin County	yes	12/02/2011
Village of New Haven	yes	NSFHA
Jasper County	yes	01/17/1985
Moultrie County	yes	07/18/2011
Richland County	yes	11/01/1984
City of Olney	yes	09/04/1985*
(Wayne County)	yes	04/17/1985*
City of Fairfield	yes	06/27/1975
White County	yes	02/16/2012
City of Carmi	yes	02/16/2012
Village of Crossville	yes	02/16/2012
<ul style="list-style-type: none"> • No elevations determined- all zone A, C and X • NSFHA- no Special Flood Hazard Area- all Zone C 		

Non NFIP Counties & Communities

County	Community
Clay	Clay County
Clay	Village of Iola
Clay	Village of Louisville
Clay	Village of Sailor Springs
Edwards	City of Albion
Effingham	Effingham County
Effingham	Village of Edgewood
Effingham	Town of Mason
Effingham	Village of Shumway
Effingham	Village of Watson
Fayette	Fayette County
Fayette	Village of Farina
Jasper	Village of Wheeler
Marion	Marion County

County	Community
Richland	Village of Calhoun
Richland	Village of Noble
Richland	Village of Parkersburg
Shelby	Shelby County
Shelby	Town of Sigel
Wayne	Wayne County
Wayne	Village of Cisne
Wayne	Village of Jeffersonville
Wayne	Village of Golden Gate
Wayne	Village of Mount Erie
White	Village of Burnt Prairie

FEMA training: <http://training.fema.gov/EMI/>



FEMA | *Emergency
Management
Institute*

FEMA EMI News Website Update

**Course: E0273 Managing Floodplain Development through the
National Flood Insurance Program**

[1268 - Training Opportunity - E0273 Managing Floodplain Development Training
Opportunity - October 31 - November 3, 2016](#)

Course Description:

This course provides an opportunity for local officials responsible for administering their floodplain regulations. The course will focus on the National Flood Insurance Program (NFIP) and concepts of floodplain management, maps and studies, ordinance administration, and the relationship between floodplain management and flood insurance. Read more in [Training Bulletin 1268](#).

ASFPM <http://www.floods.org>

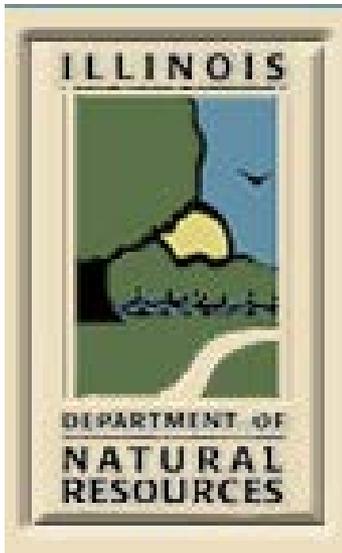


FEMA's 4-day 273 Course:

*Managing Floodplain Development Through
the National Flood Insurance Program*

September 19-22, 2016
Waukesha, WI

NFIP State Coordinator



Paul Osman

**Illinois Department of Natural Resources,
Office of Water Resources**

Springfield, IL

Paul.Osman@Illinois.gov

Community Rating System (CRS)



- **FEMA National Flood Insurance Program Administered by ISO (Insurance Services Office)**
- **Recognition for Going Above and Beyond Minimum NFIP Standards with Reduce Flood Insurance Premiums**
- **Voluntary Program with Community Activities for Point Accumulation**
- **Based on a 10 Class System. 500 Points & 5% Discount / Class**
- **Local Floodplain Management Program More Organized.**
- **Free Technical Assistance for Certain Activities**
- **Better Educated Public**
- **Reduced Flood Damage and Faster Recovery**



Premium Discounts



<u>Class</u>	<u>Points</u>	<u>SFHA</u>	<u>Non-SFHA</u>
1	4,500	45%	10%
2	4,000	40%	10%
3	3,500	35%	10%
4	3,000	30%	10%
5	2,500	25%	10%
6	2,000	20%	10%
7	1,500	15%	5%
8	1,000	10%	5%
9	500	5%	5%
10		0	0

- **Public Information-** raise public awareness of hazard risk to county through local television and \or radio station, Facebook page etc.
- **Mapping & Regulatory-** create new and\or revised plans and maps
- **Flood Damage Reduction-** purchase road closure devices; improve drainage ditches and stormwater management; install pumping stations; elevate low-lying roads; institute buy-out plans for repetitive loss properties; flood proof waste water systems;
- **Warning & Response-** NOAA weather radios; reverse 911 system



FEMA

How To Join

1

Must be
NFIP
Compliant

2

ISO/CRS
Specialist
will help
w/
application

3

Document
Activities
you choose

RiskMAP
Increasing Resilience Together



CRS Contact Information

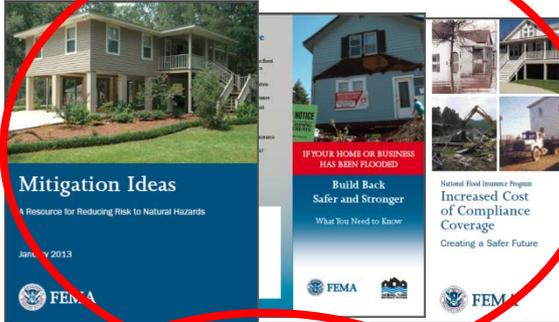
Lou Ann Patellaro

lpatellaro@iso.com

954-651-5021

FEMA's Toolbox

Publications

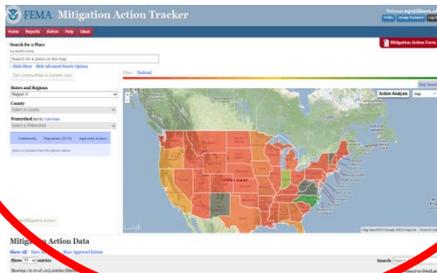


Education
www.ready.gov



Hazard Mitigation Plans

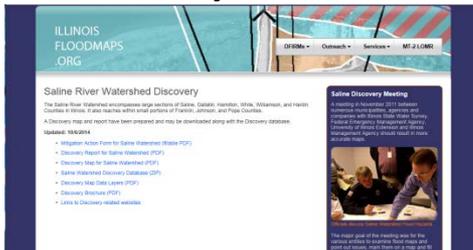
Mitigation Action Tracker



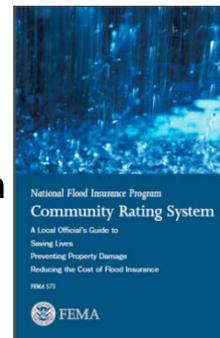
National Flood Insurance Program



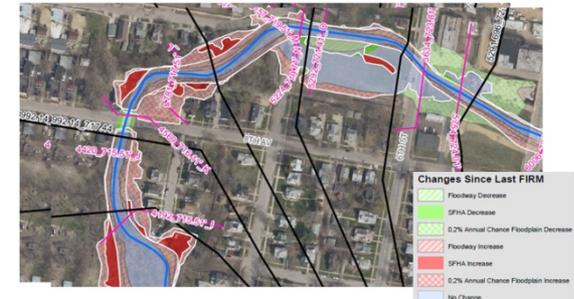
Discovery Products



Community Rating System



Changes Since Last FIRM



Hazard Mitigation Plan Status

County with a Plan	Date of Plan Approval	Planning Grant	Plan authors
Coles	January 15, 2010	yes	
Cumberland	June 15, 2015		
Jasper	May 22, 2012 (Plan expires May 22, 2017)		U of I Extension\Jasper Co. Co-op\Lawrence Co. Industrial Development Group
Richland	January 31, 2013 (Plan expires January 31, 2018)		Polis and EIU
Working on a plan			
Edwards	July 13, 2009	yes	Edwards County EMA Director\Greater Wabash Regional Planning Commission\SIU\Polis Center
Gallatin	Update in progress		
Moultrie	Plan under review		
White	January 15, 2010 (Carmi buyouts)	yes	
Never had a plan			
Clay	No Plan		
Effingham	No Plan		
Fayette	No Plan		
Hamilton	No Plan		
Shelby	No Plan	yes	
Marion	No Plan		
Wayne	No Plan	yes	

Mitigation Success Stories



FEMA Awards \$1,398,396

Grant to Gallatin County

Hazard mitigation funds will be used to acquire and demolish 19 flood prone structures and elevate an additional 7 structures

CHICAGO -- The U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) has released \$1,398,396 in Hazard Mitigation Grant Program (HMGP) funds to Gallatin County, Ill., for the acquisition and demolition of 19 residential structures in the Ohio River floodplain. 7 additional structures will be raised so that the lowest floor of these residential structures will be above the Base Flood Elevation.

HMGP provides grants to state and local governments to implement long-term hazard mitigation measures. Through HMGP, FEMA will pay 75 percent of the \$1,864,528 eligible project cost. The remaining 25 percent of the funds, \$466,132 will be provided by the Illinois Department of Natural Resources.

FEMA Awards \$707,507 Grant to City of Carmi: Hazard mitigation funds will be used to acquire 22 more flood prone structures and seven vacant lots in floodplain. Builds on past mitigation efforts removing more than 36 homes from floodplain.

The Hazard Mitigation Grant Program enables communities to implement critical mitigation measures to reduce the risk of loss of life and property," said FEMA Region V Administrator Andrew Velasquez III. "The acquisition and demolition of these homes permanently removes the structures from the floodplain and greatly reduces the financial impact on individuals and the community when future flooding occurs in this area.

News Release

FEMA Awards \$676,740 Grant to Saline County

Hazard mitigation funds will be used to acquire and demolish 9 flood prone structures

CHICAGO -- The U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) has released \$676,740 in Hazard Mitigation Grant Program (HMGP) funds to Saline County, Ill., for the acquisition and demolition of 8 residential structures and 1 commercial structure in the Ohio River floodplain.

“HMGP provides grants to state and local governments to implement long-term hazard mitigation measures. Through HMGP, FEMA will pay 75 percent of the \$902,320 eligible project cost. The remaining 25 percent of the funds, \$225,580 will be provided by Saline County.

Marion Unit 2 Awarded Grant For Safe Room (WSILTV)

[WSIL-TV Carterville \(IL\)](#), January 29, 2014

MARION – The Marion school district has been awarded \$1.2 million to build a safe room at Lincoln Elementary.

The money comes through FEMA's Hazard Mitigation Grant Program and will cover 75 percent of the project's \$1.67 million total cost.

The safe room will be used by students and staff, as well as nearby residents, during severe weather.

“This grant will help the Marion School District ensure the safety of hundreds of students when severe weather threatens,” said Jonathon Monken, director of the Illinois Emergency Management Agency. “We're very pleased with the approval of this grant and look forward to working with the school district as they move forward on this project.”

Marion Unit 2 will be responsible for \$417,728 for the safe room project.

Mitigation Plan – getting started



How to apply for a Hazard Mitigation Planning Grant:

1. Contact IEMA's State Hazard Mitigation Office (SHMO) to determine funding status for available grants and grant cycles.

Ron Davis

Ron.Davis@Illinois.gov

IEMA Main Office (217) 782- 2700

2. Pick up IEMA's *Grant Application How to Guide*

3. Visit IEMA and FEMA web sites



IEMA

How to apply for a Hazard Mitigation Planning Grant:

1. An interested jurisdiction should contact IEMA's State Hazard Mitigation Office (SHMO) to determine funding status for available grants.
2. An electronic application (egrants) is required to be submitted to the Federal Emergency Management Agency for all interested applicants. This process is normally completed by the jurisdiction's representative or a contractor who has been designated by the county to create the Hazard Mitigation Plan.
 - Contact the State Hazard Mitigation Officer to obtain an egrants account.
Information required to obtain and egrants account:
 - Name
 - Position Title
 - Jurisdiction
 - Address
 - Telephone Number
 - Email Address
3. Documents required to be submitted in the egrants application include: (Descriptions and examples of each document may be forwarded upon request.)
 - Map of Jurisdiction
 - Match Letter
 - Detailed Budget of Planning Process and Plan Creation
 - Notice of Intent Letters from all participating Jurisdictions
 - Scope of Work
 - Budget Narrative

Note: These documents traditionally are obtained and created by the jurisdictions representative or contractor assigned to the creation of the Hazard Mitigation Plan.
4. Applications will be reviewed by IEMA and FEMA as they are received. Official notification of the status of your application will be forwarded to you by the State Hazard Mitigation Officer or designee, upon receipt of FEMA's decision.

Mitigation Plan - Getting help

Illinois Emergency Management Agency

- Considerations for hiring a consultant
- List of planning consultants




The following is a list of contractors that have contacted the State of Illinois in regards to Mitigation Planning. When you are considering developing a Mitigation plan, you will need to decide if you need or want a consultant to assist you in the planning process. Consultants for mitigation planning are hired for many reasons, with the following being the most common:

- Your community does not have enough staff to devote someone to lead the process as part of their job duties;
- You wish to have targeted assistance in identifying hazards, risks, and vulnerabilities, and in performing loss estimates;
- You feel you need an outside facilitator to manage public meetings or to assist in goal setting or prioritizing; or
- No one in the community feels comfortable leading the planning process, or has the time to devote to it.

Many communities hire outside consultants to assist them in the coordination, facilitation, and implementation of the mitigation planning process. If your community decides to hire a consultant to assist with your mitigation plan, consider looking for a planner that:

- Understands that each community has unique demographic, geographic, and political considerations that need to be taken into account when creating a fully integrated mitigation plan.
- Understands all pertinent regulations and considerations as they apply to the mitigation plan (e.g., requirements of DMA 2000, state and local ordinances, and NFP requirements).
- Recognizes that community input and public participation are keys to any successful mitigation plan.
- Is familiar with emergency management and multi-hazard mitigation concepts.
- Will provide you with the names and phone numbers of past clients.

Another option for jurisdictions that are interested in doing a Mitigation plan have is to utilize their Regional Planning commission. Planning commissions often have the tools necessary to complete the planning process and already are aware of the geographical considerations.

Company	Contact Person	Phone Number	Email	Headquarters Location
AMEC Earth and Environmental	Clancy Philipborn	(303) 742-5333	Clancy.Philipborn@amec.com	Denver, CO
Tri-County Regional Planning Commission	Maggie Martino	(309) 673-6930	martino@trccovtcc.org	Peoria, IL
Dewberry	Cleighton Smith	(856) 802-0843 x 3107	CSmith@Dewberry.com	Mount Laurel, NJ
Fluidclarity	Marion Kessy, Ph.D.	(708) 383-3500	Marion.kessy@fluidclarity.com	Oak Park, IL
Foth Infrastructure and Environment	Greg P. Kacvinsky	(217) 352-4169	gkacvinsky@foth.com	Champaign, IL
Integrated Solutions Consulting	Dan Martin John Rogan	(847) 477-8543 (773) 383-7221	Dan.martin@i-sc-consulting.com John.rogan@i-sc-consulting.com	Chicago, IL
Johnson, Depp, & Quisenberry	Greg Michaud	(217) 529-4534	GRMichaud@JDQ-Engineers.com	Springfield, IL
Michael Baker Corp.	Robert Murdock	(312) 575-3946	rmurdock@mbakercorp.com	Chicago, IL
Molly O'Toole and Assoc. Ltd.	Molly O'Toole	(830) 889-9774	molly@mollyotoole.com	Lombard, IL
The Polis Center	Dave Coats	(317) 274-8826	dcoats@iupui.edu	Indianapolis, IN
Risk Mgmt. Professionals, Inc.	Solveig Saether	(949) 382-0123 ext 227	solveig.saether@rmppcorp.com	California
STANTEC	Mike Anderson	(859) 422-9067	MAnderson@stantec.com	Lexington, KY
T.Y. Lin International	Jim Considine	(773) 975-7122	jconsidine@tylin.com	Chicago, IL
University of Illinois Extension	Carrie McKillip	(309) 342-5108	mckillip@illinois.edu	West Illinois
URS	Rich Roths	(312) 939-1000	Rich_roths@urscorp.com	Chicago, IL
Vanderwall and Assoc.	Colleen Johnson	(608) 255-3988	cjohnson@vanderwall.com	Madison, WI
Southern Illinois University	Nicholas Pinter	(618) 453-7575	npinter@gsu.siu.edu	Carbondale, IL
Champaign County Regional Planning Commission	Susan Monte	(217) 328-3313	smonte@ccrrpc.org	Champaign, IL
North Central Illinois Council of Governments	Ben Wilson	(815) 433-5830	bwilson@ncic.org	Ottawa, IL
Springfield-Sangamon County Regional Planning Commission		(217) 535-3110	srpc@co.sangamon.il.us	Springfield, IL

Regional Planning Commission

University of Illinois Extension

Carrie McKillip
University of Illinois Extension
(309) 342 – 5108
mckillip@Illinois.edu

Mitigation Ideas



Mitigation Ideas

A Resource for Reducing Risk to Natural Hazards

January 2013



- Drought
- Flood
- Erosion
- Earthquake
- Tornado
- Hail
- Lightning
- Extreme Temperature
- Severe Winter weather

Mitigation Action Tracker (MAT)

- The **Mitigation Action Tracker (MAT)** is a Web-based tool used to capture, store, organize and track mitigation actions.
- Community officials are encouraged to utilize this tool as a resource for organizing and tracking potential mitigation actions in their community.
- Mitigation actions will be entered as part of our follow up work after Risk MAP Discovery meetings.



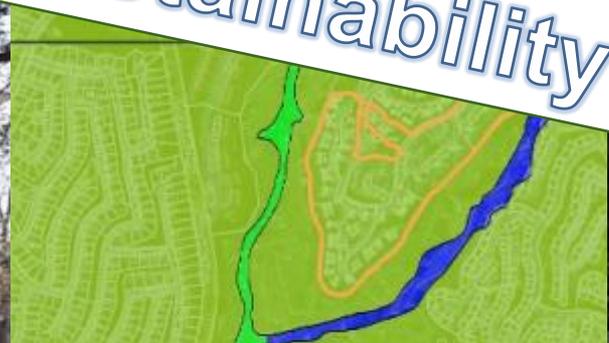
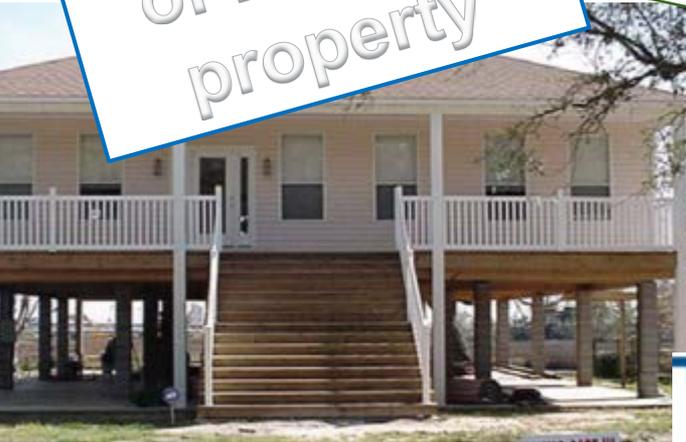
Building Community Resilience

- To increase a community's ability to **reduce flood risk** through **mitigation efforts** resulting in less loss of life and property so the community can recover quicker.

Reduce loss
of life and
property

Sustainability

Mitigation
Works



RiskMAP

Increasing Resilience Together

Mitigation



MITIGATION

- ▶ [Planning](#)
- ▶ [Programs](#)
- ▶ [Hazard Information](#)
- ▶ [Links](#)
- ▶ [Application Checklist](#)

Plainly stated, hazard mitigation is any action taken to reduce or eliminate the long-term risk to human life and property from natural hazards.

The mission of the Illinois Mitigation Program is to identify hazards that affect Illinois, assess how vulnerable Illinois is to each hazard, and then implement a strategy for mitigating the effects of the hazard.



Mitigation Planning



Mitigation Programs



Hazard Information



Mitigation Links



Mitigation Application Checklist

FEMA Resources

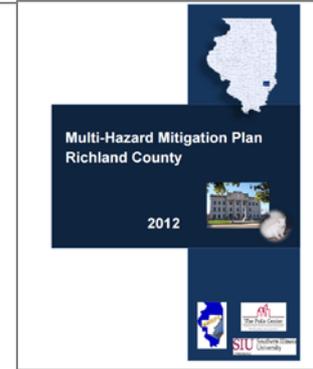
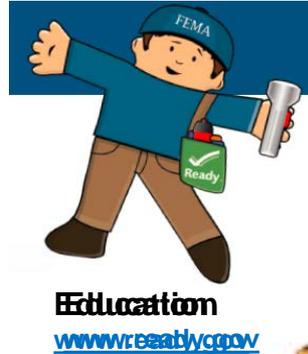
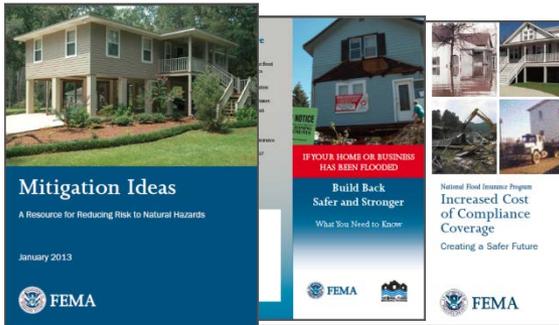


■ www.ready.gov

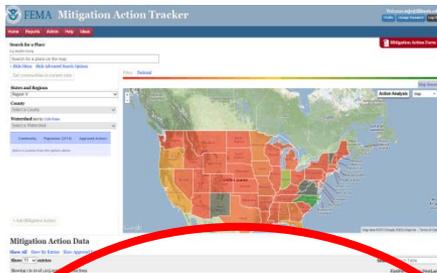


<https://www.floodsmart.gov>

FEMA's Toolbox



Mitigation Action Tracker

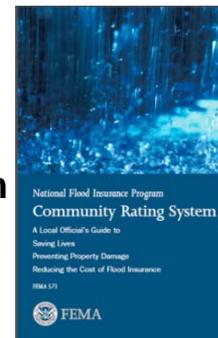


Hazard Mitigation Plans

National Flood Insurance Program



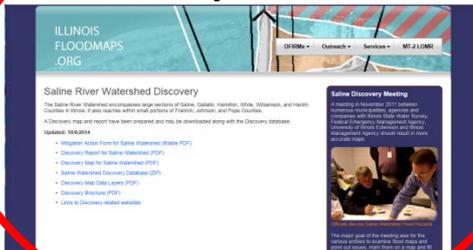
Community Rating System



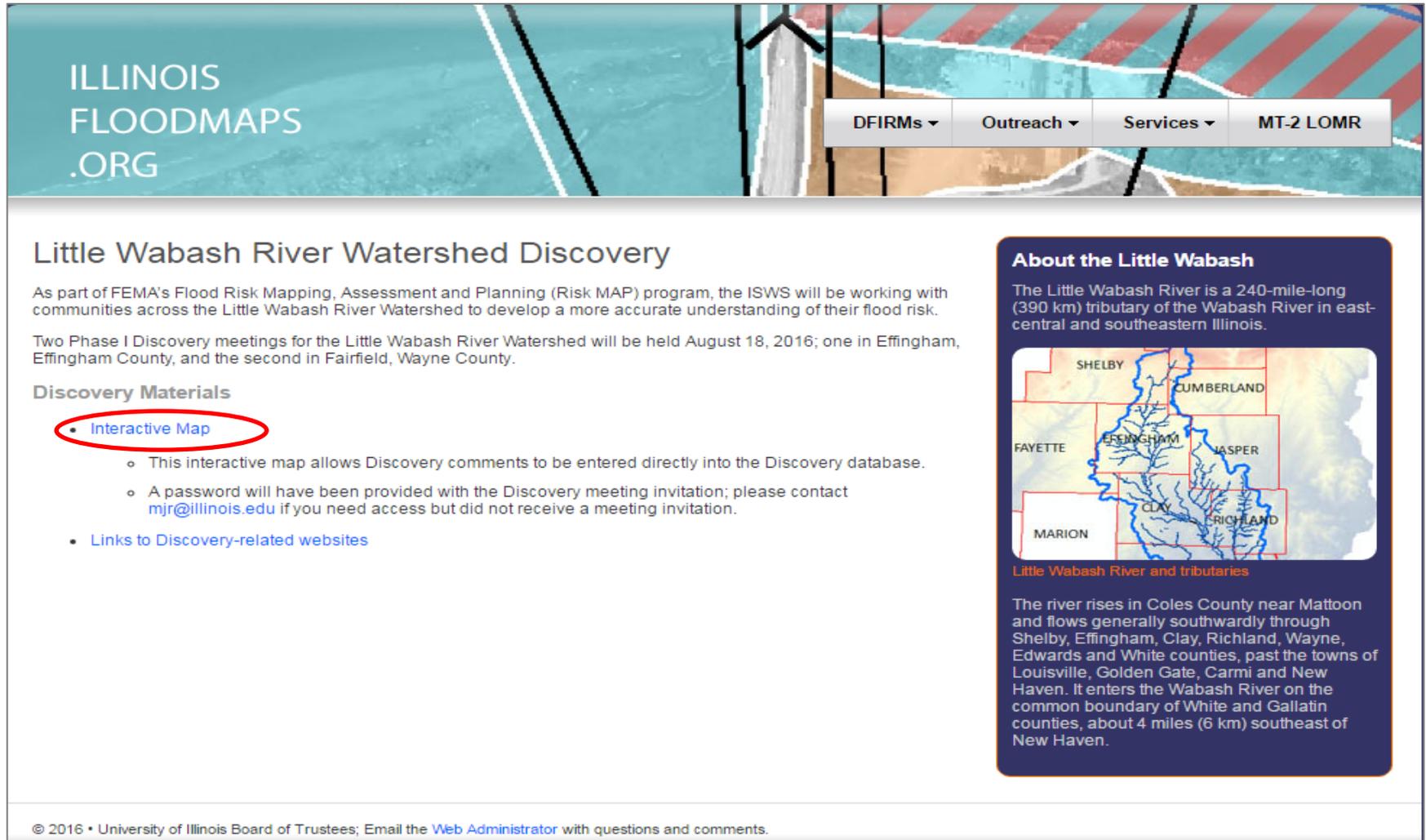
Changes Since Last FIRM



Discovery Products



Little Wabash River Watershed Discovery: www.illinoisfloodmaps.org/littlewabashdiscovery.aspx



ILLINOIS
FLOODMAPS
.ORG

DFIRMs ▾ Outreach ▾ Services ▾ MT-2 LOMR

Little Wabash River Watershed Discovery

As part of FEMA's Flood Risk Mapping, Assessment and Planning (Risk MAP) program, the ISWS will be working with communities across the Little Wabash River Watershed to develop a more accurate understanding of their flood risk.

Two Phase I Discovery meetings for the Little Wabash River Watershed will be held August 18, 2016; one in Effingham, Effingham County, and the second in Fairfield, Wayne County.

Discovery Materials

- [Interactive Map](#)
 - This interactive map allows Discovery comments to be entered directly into the Discovery database.
 - A password will have been provided with the Discovery meeting invitation; please contact mjr@illinois.edu if you need access but did not receive a meeting invitation.
- [Links to Discovery-related websites](#)

About the Little Wabash

The Little Wabash River is a 240-mile-long (390 km) tributary of the Wabash River in east-central and southeastern Illinois.



Little Wabash River and tributaries

The river rises in Coles County near Mattoon and flows generally southwardly through Shelby, Effingham, Clay, Richland, Wayne, Edwards and White counties, past the towns of Louisville, Golden Gate, Carmi and New Haven. It enters the Wabash River on the common boundary of White and Gallatin counties, about 4 miles (6 km) southeast of New Haven.

© 2016 • University of Illinois Board of Trustees; Email the [Web Administrator](#) with questions and comments.

Interactive Discovery Map

Little Wabash Watershed Discovery Comments

Comments Data Layers

Contact Info for New Comments:

Name: Sally McConkey
Community: ISWS
Email: sally@illinois.edu
Phone:

[Change Contact Info](#)

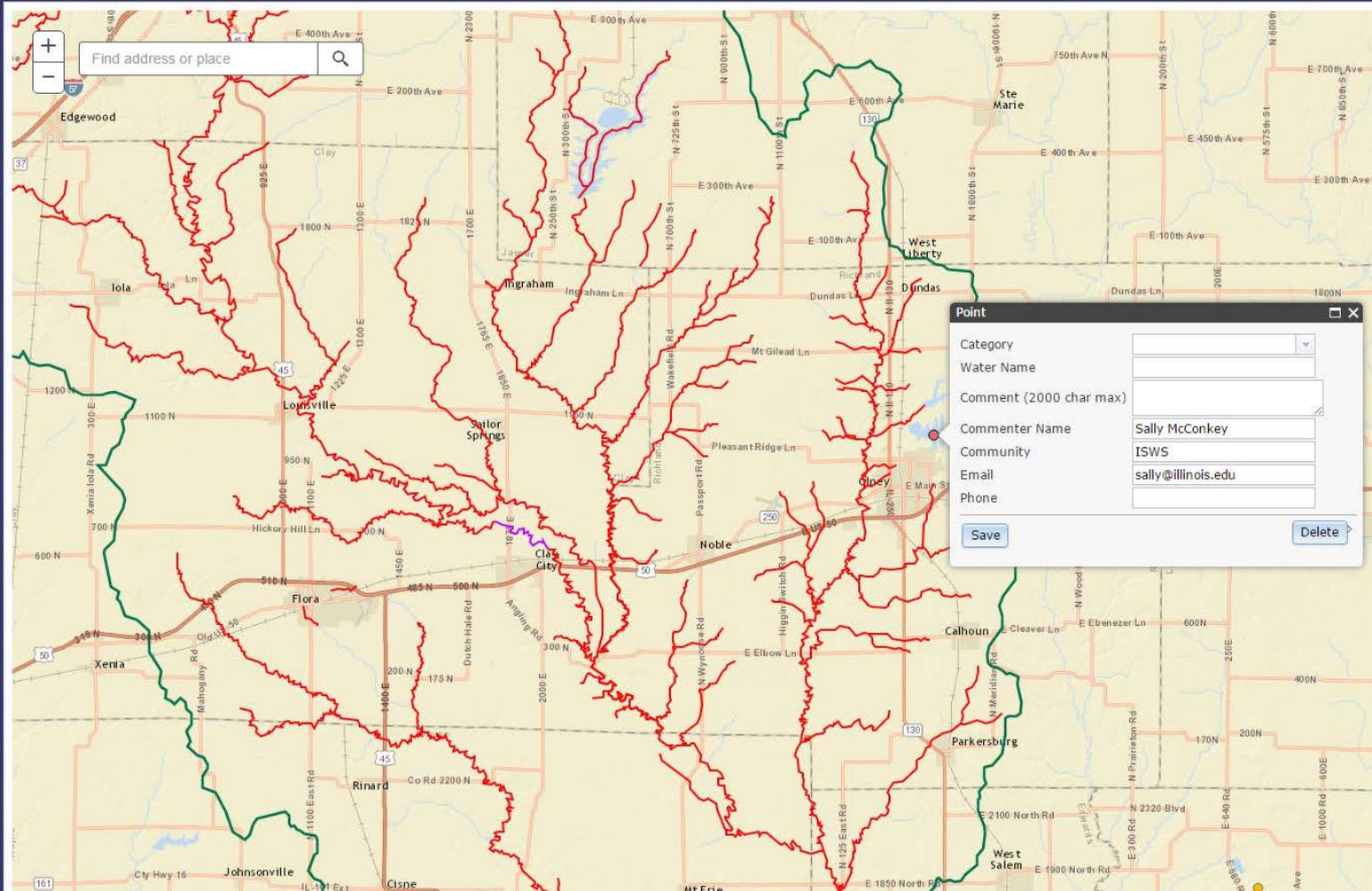
Click 'Point' or 'Polygon', then on the map:

Point Polygon

Comment Categories:

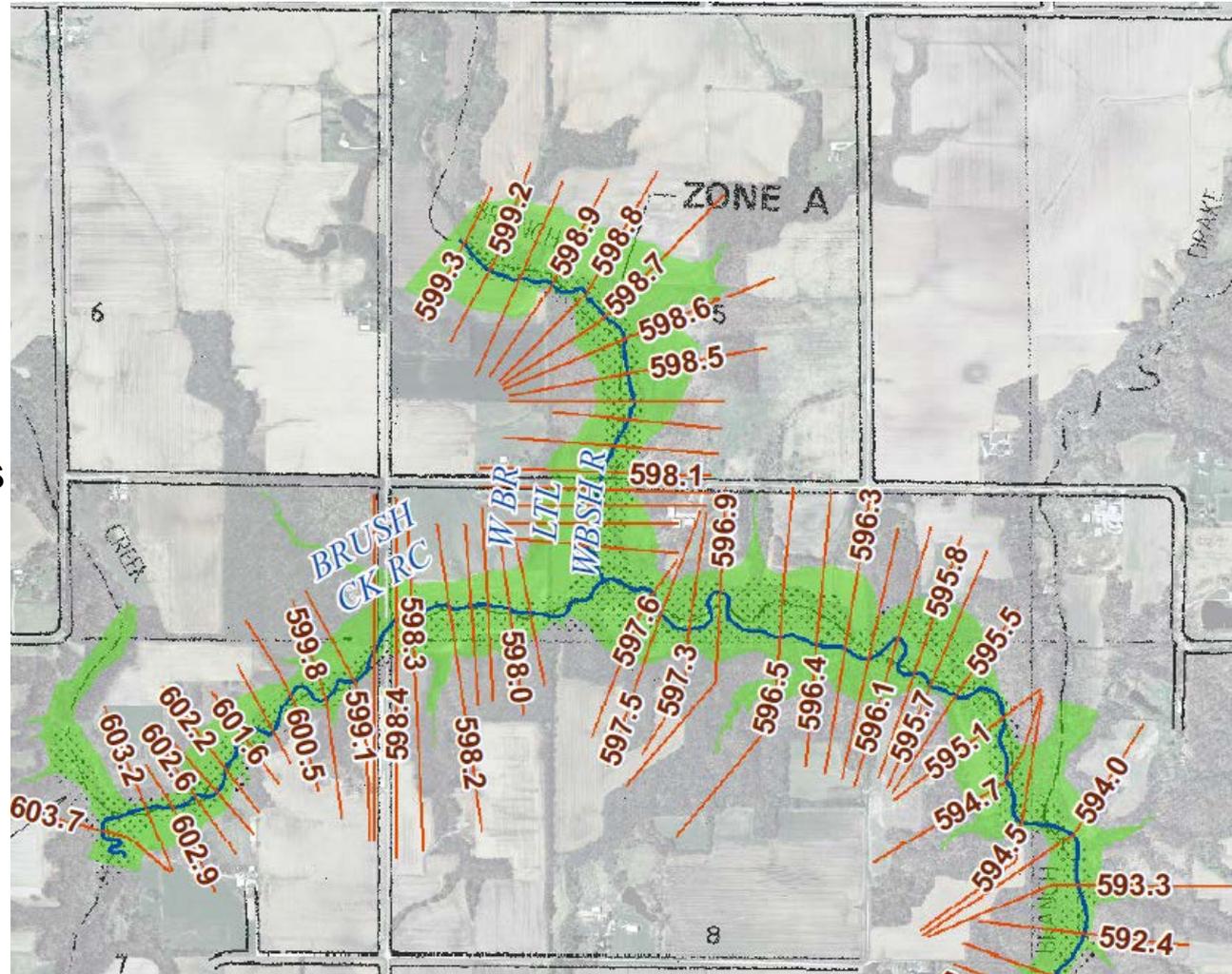
- Accredited Levee
- Non-Accredited Levee
- Dam
- Coastal Structure
- Streamflow Constriction
- Past Claims Hot Spot
- Overtopped Road
- At-Risk Essential Facilities
- Significant Land Use Change
- Area of Significant Erosion
- Non-Levee Embankment
- Non-SFHA Flood Risk Area
- Area of Mitigation Success
- Other

[Little Wabash Discovery Webpage](#)

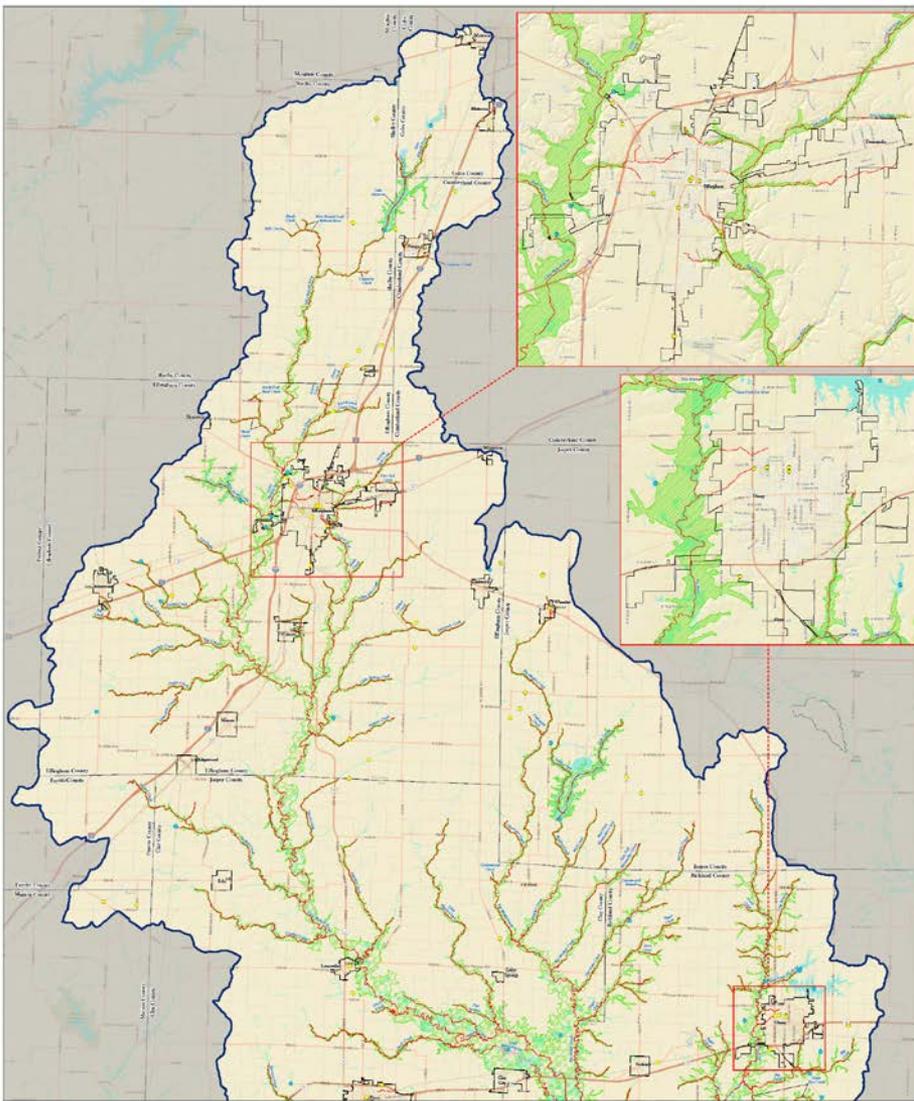


Automated Engineering Approximations of flood hazards

- **Approximate methods used to map floodplain for 1% flood event**
- **Based on current high resolution LiDAR**
- **Compare to current Zone A areas on FIRMs**
- **What might change: increase /decrease**
- **Download comparison maps from ISWS web site**
- **Station to view now**
- **Second draft**



Break out Session – Discovery Maps



NATIONAL FLOOD INSURANCE PROGRAM

Discovery Map
Little Wash
Northern Extent

HUC-8 Code:
05120114
Map Release Date:
09/18/16



Map Symbology

CHMS Streams (Study Velocity as of 7/20/16)

- Assumed
- Unknown
- Unverified
- Valid

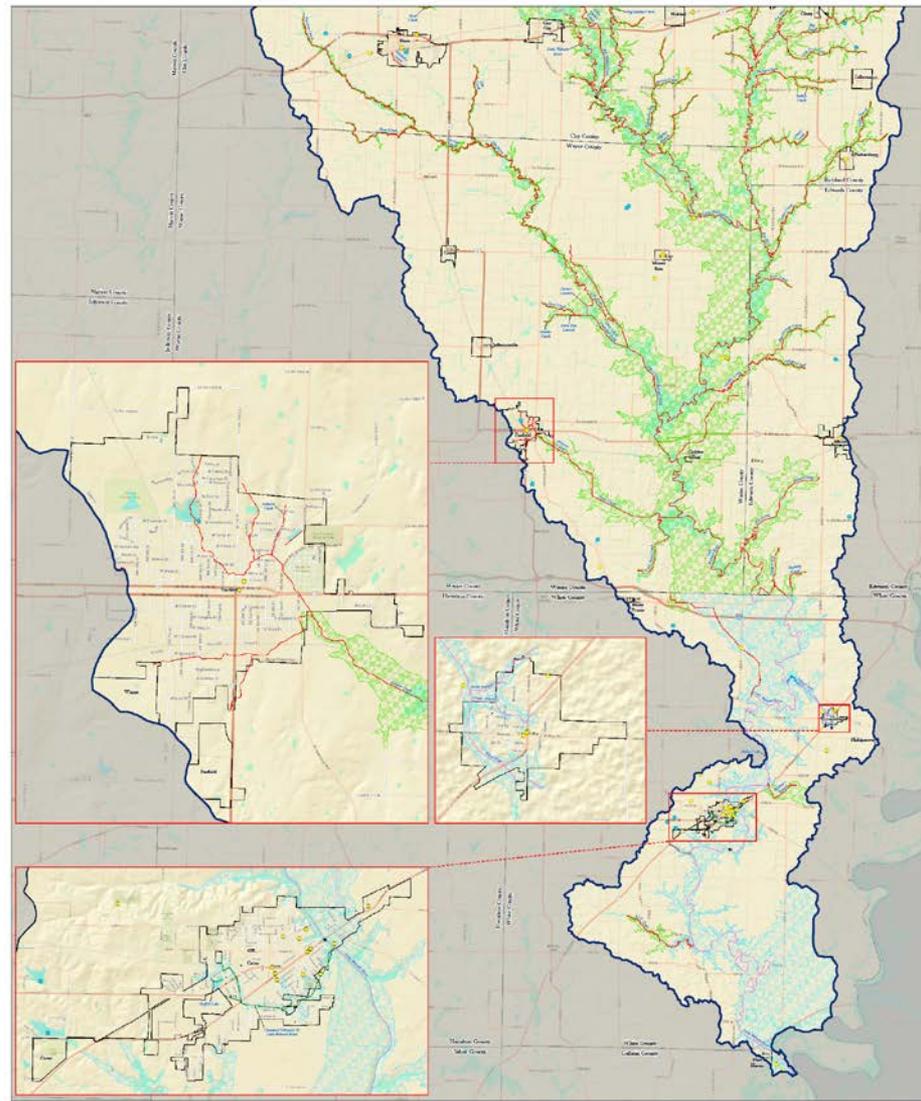
Special Flood Hazard Areas

- Approximate (Zone A)
- Detailed (Zone AE)

Areas of Mitigation Interest

- Areas of Mitigation Success
- Areas of Significant Erosion
- All Risk Essential Facilities
- Dams
- FEMA Public Assistance Data
- Key Emergency Studies Overlapped
- Non-Accredited Levees
- Past Claims Not Spotted
- Other Flood Risk Areas
- Significant Land Use Change
- Stream Flow Constructions

- Stream Gauge
- Letter of Map Change (LOMC)
- Levees
- Community Boundary
- County Boundary
- State Boundary
- Watershed Boundary
- Wetlands



NATIONAL FLOOD INSURANCE PROGRAM

Discovery Map
Little Wash
Southern Extent

HUC-8 Code:
05120114
Map Release Date:
09/18/16



Map Symbology

CHMS Streams (Study Velocity as of 7/20/16)

- Assumed
- Unknown
- Unverified
- Valid

Special Flood Hazard Areas

- Approximate (Zone A)
- Detailed (Zone AE)

Areas of Mitigation Interest

- Areas of Mitigation Success
- Areas of Significant Erosion
- All Risk Essential Facilities
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- Stream Gauge
- Letter of Map Change (LOMC)
- Levees
- Community Boundary
- County Boundary
- State Boundary
- Watershed Boundary
- Wetlands



Discovery Map Symbology

Map Symbology

CNMS Streams

(Study Validity as of 7/20/16)

-  Assessed
-  Unknown
-  Unverified
-  Valid

Special Flood Hazard Areas

-  Approximate (Zone A)
-  Detailed (Zone AE)

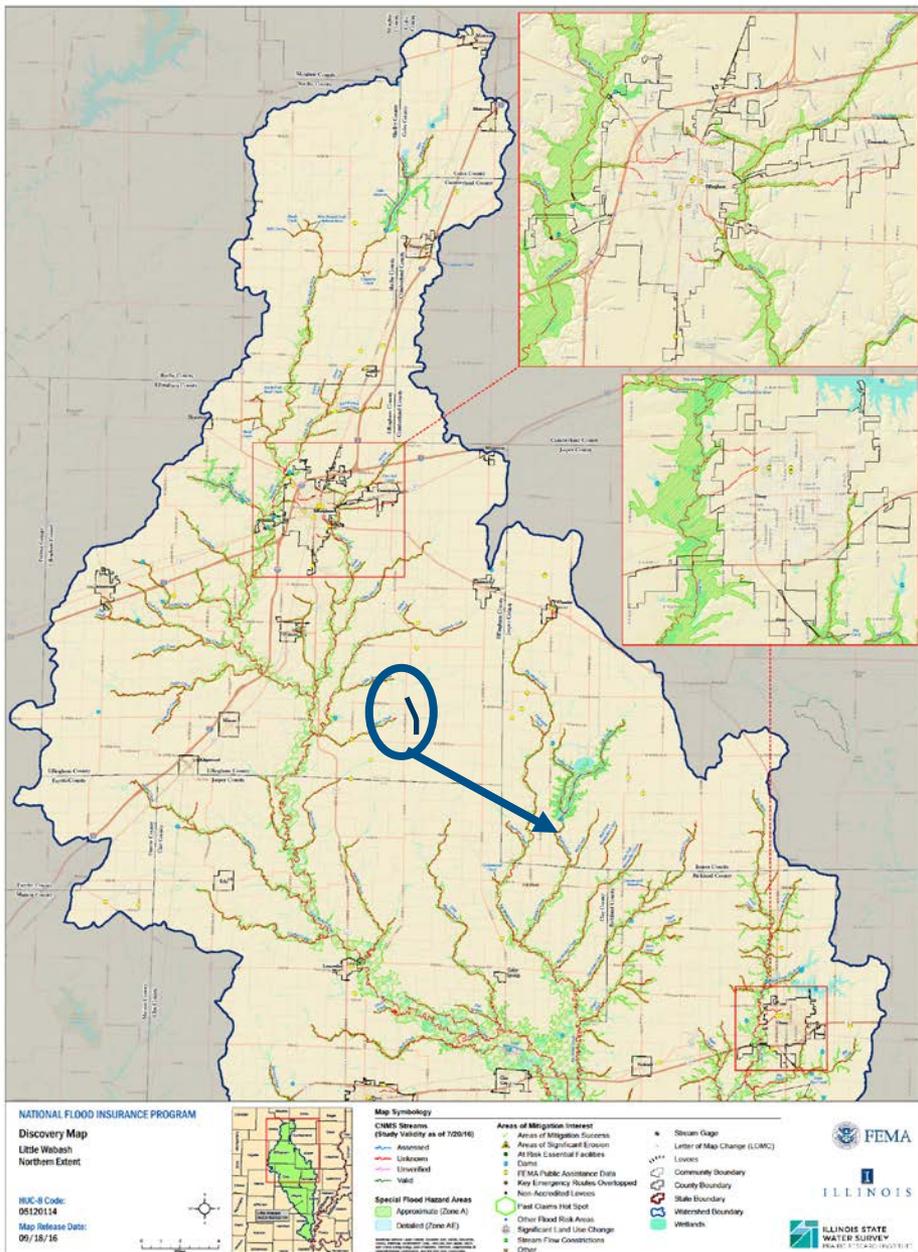
Basemap Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Areas of Mitigation Interest

-  Areas of Mitigation Success
-  Areas of Significant Erosion
-  At Risk Essential Facilities
-  Dams
-  FEMA Public Assistance Data
-  Key Emergency Routes Overtopped
-  Non-Accredited Levees
-  Past Claims Hot Spot
-  Other Flood Risk Areas
-  Significant Land Use Change
-  Stream Flow Constrictions
-  Other

-  Stream Gage
-  Letter of Map Change (LOMC)
-  Levees
-  Community Boundary
-  County Boundary
-  State Boundary
-  Watershed Boundary
-  Wetlands

Break out Session – Discovery Maps



Little Wabash River Watershed Discovery Meeting Comment Form # 1

Please, provide the following information:	Date:
Name:	
Community/County:	
E-mail:	Phone:

Explain your comment below and attach any supporting documents/materials. Mark the location of your comment on the map by circling the area and writing the comment form number near the circle. If you have **more** than one comment, please use **multiple** forms and give each comment a **unique** identifier.

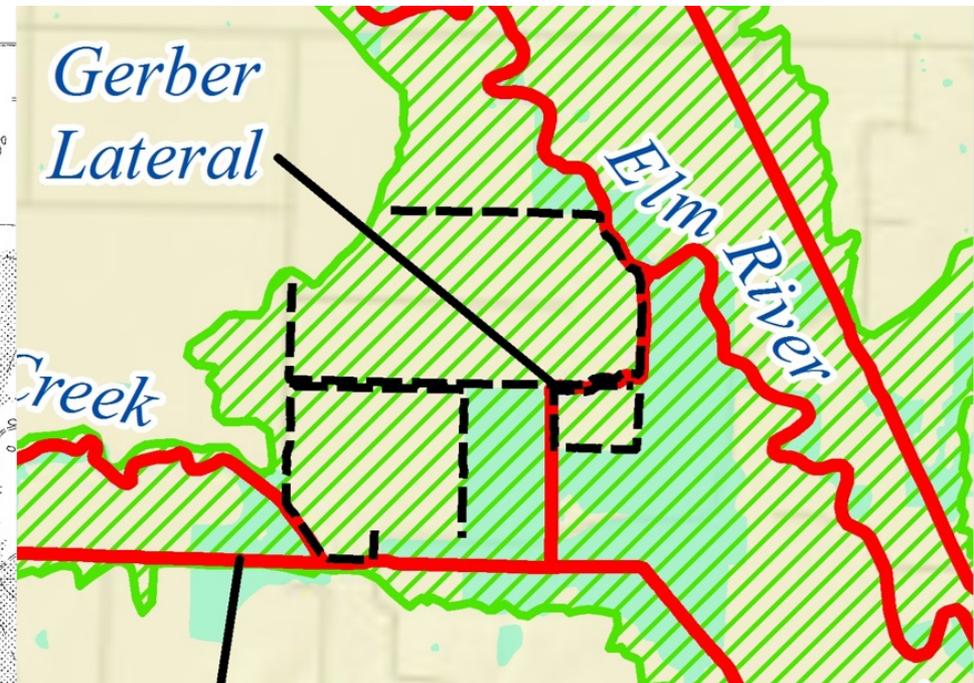
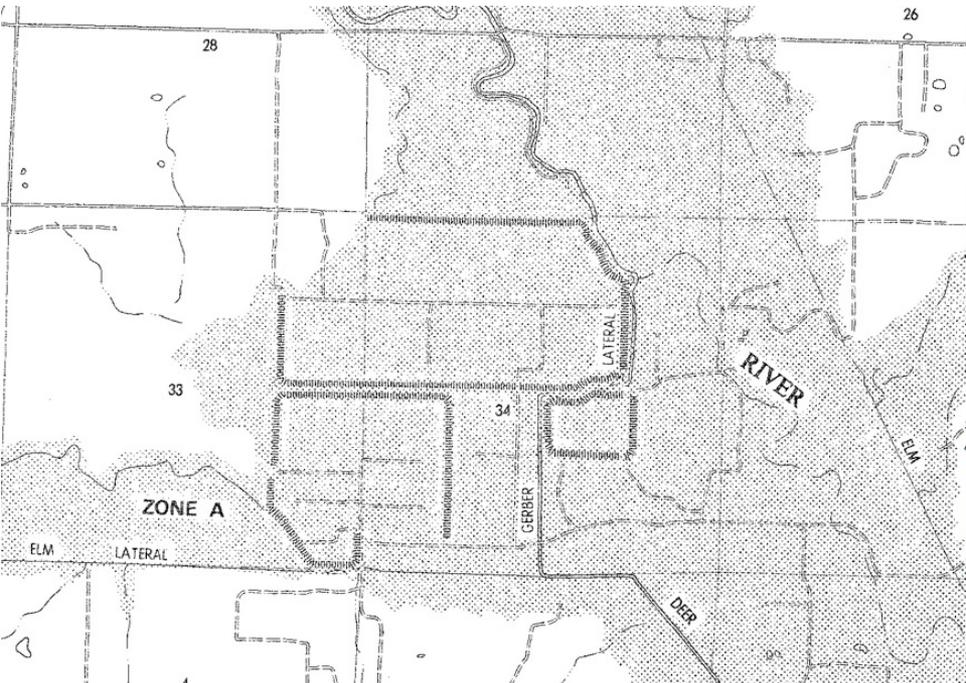
Check Comment Subject:	
<input type="checkbox"/> Levee Name: Owner:	<input type="checkbox"/> Development (past, current, or future within 5 yrs.)
<input type="checkbox"/> Dam Name: Owner:	<input type="checkbox"/> Significant Riverine Erosion
<input type="checkbox"/> Non-Levee Embankments Name: Owner:	<input type="checkbox"/> Stream Flow Constriction (including ice jams)
<input type="checkbox"/> Overtopped Road During Flooding Events	<input type="checkbox"/> Areas of Mitigation Success
<input type="checkbox"/> At-Risk Essential Facilities	<input type="checkbox"/> Other Flood Risk Area

Comment Marked on:		
Discovery Map # _____	DFIRM Panel # _____	Other _____

Continue on back side if necessary. Please return form to: Mary Richardson, Illinois State Water Survey, 2204 Griffith Drive, MC-674 Champaign, IL 60820. Form may be e-mailed to mjr@illinois.edu.

Discovery Map Comments: Embankments

Name? Owner? Purpose?



Discovery Map Comments: Dam Safety Reports

Dam Name	County
Paradise Lake Dam	Coles
Altamont Reservoir Dam	Effingham
Central Illinois Public Service Company Dam	Effingham
Little Wabsh River Dam	Effingham
Lake Sara Dam	Effingham
Old Altamont Reservoir Dam	Effingham
Newton Power Station Lake Dam	Jasper
Olney Lake Dam a.k.a. M.D. Borah Lake Dam	Richland
East Fork Lake Dam	Richland
Vernor Lake Dam	Richland
Lake Mattoon Dam	Shelby
Old Fairfield Reservoir Dam	Wayne
Pont-Ca Lake Dam	White
Absher Lake Dam	White

Gather information on flood study and mapping needs

- streams where the effective study/ mapping does not reflect existing conditions
- streams where the new approximate floodplains do not reflect existing conditions
- areas of growth where more detailed flood study data is needed
- available technical data to support hydrologic and hydraulic studies
- restrictive bridges, culverts or other structures
- overtopped roads
- dams
- areas of stream erosion
- levees and levee like structures and failures
- locations of critical facilities
- areas of mitigation interest

Next Steps

- **Discovery Map Update**
- **Discovery Report (which will include new hydrology and hydraulic study needs)**
- **Discovery Map and Report posted on the web site**
- **FEMA Region will evaluate information for prioritization of future projects**

Complete exit survey.

Break out session:

Gather information on flood study and mapping needs

- streams where the effective study/ mapping does not reflect existing conditions
- streams where the new approximate floodplains do not reflect existing conditions
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