



Welcome



Please be aware this presentation will be recorded



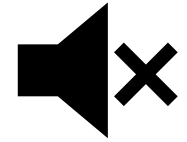
2020 Hazard Mitigation Plan Update

Risk Assessment and Mitigation Solutions
October 15, 2020



Michael Baker
INTERNATIONAL

- All attendees are currently muted to reduce background noise.
- Submit your questions at any time during the presentation by:
 1. Using the WebEx “Chat” or
 2. Emailing rebecca.wetzler@mbakerintl.com



Thank you for joining us!

- We're going to share:
 - Recap of the Kickoff Meeting and Planning Process
 - Discussion of Risk
 - Focus on Mitigation
 - Participation and Next Steps
- We want to hear from you:
 - Challenge areas
 - Completed mitigation actions
 - New mitigation actions and updates

Please let us know you are here!

- Please submit your name and municipality or organization by:
 1. Using the WebEx “Chat” or
 2. Emailing rebecca.wetzler@mbakerintl.com

On the bottom right side of your screen, there should be a “Chat” section. Please “send to Everyone,” type your introduction, and then push “send.”

Chat

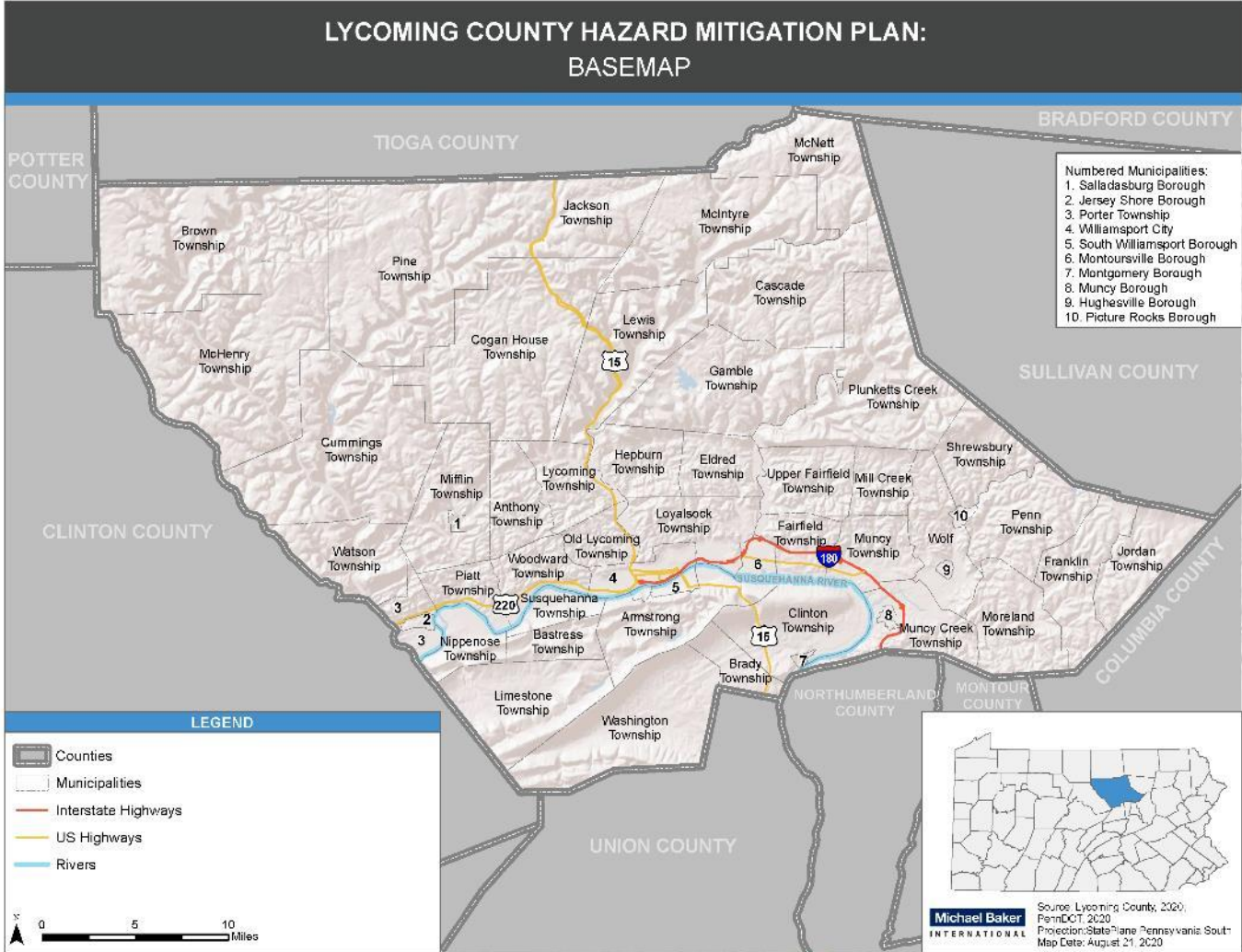
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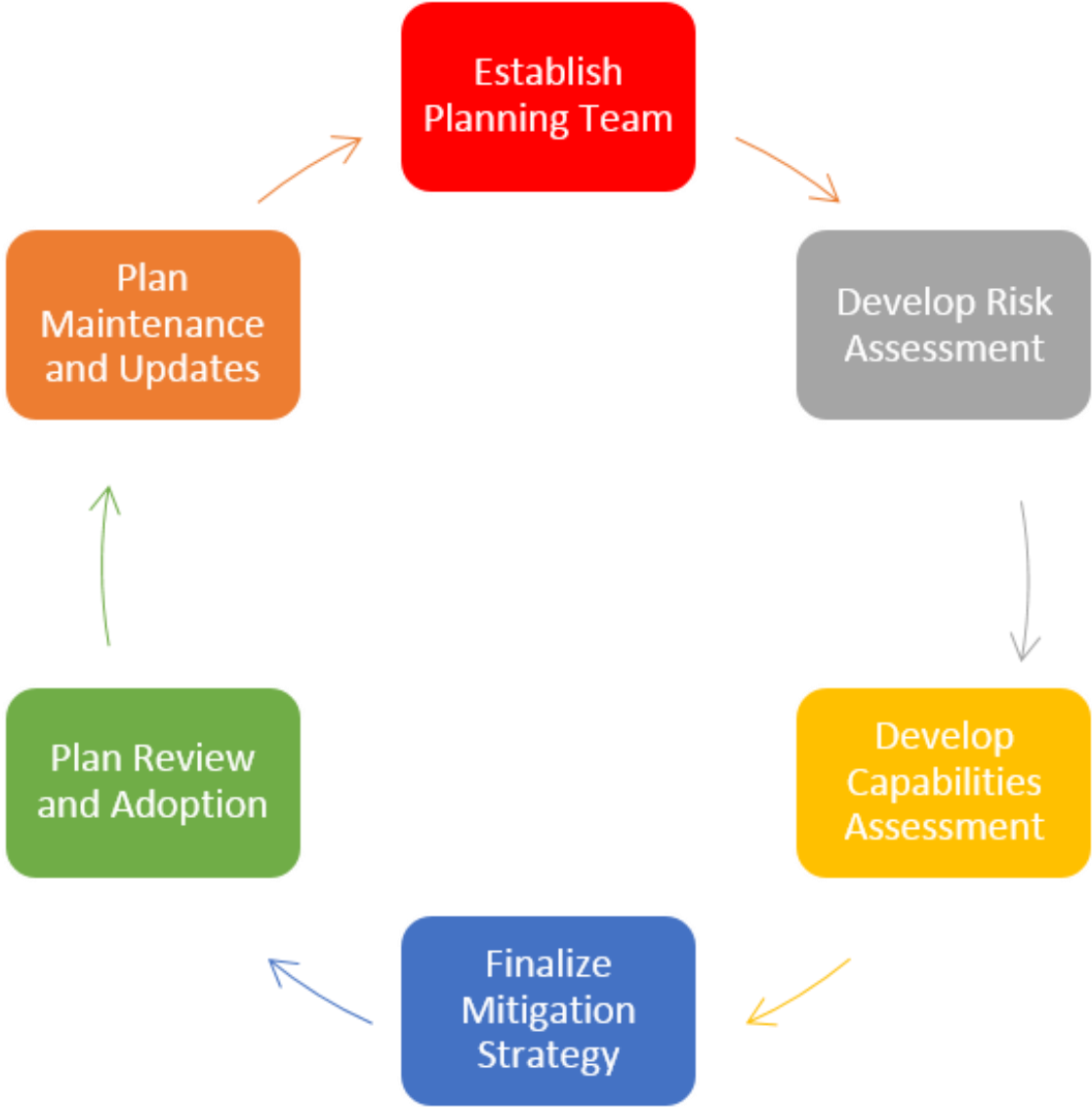
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Lycoming County Planning Area



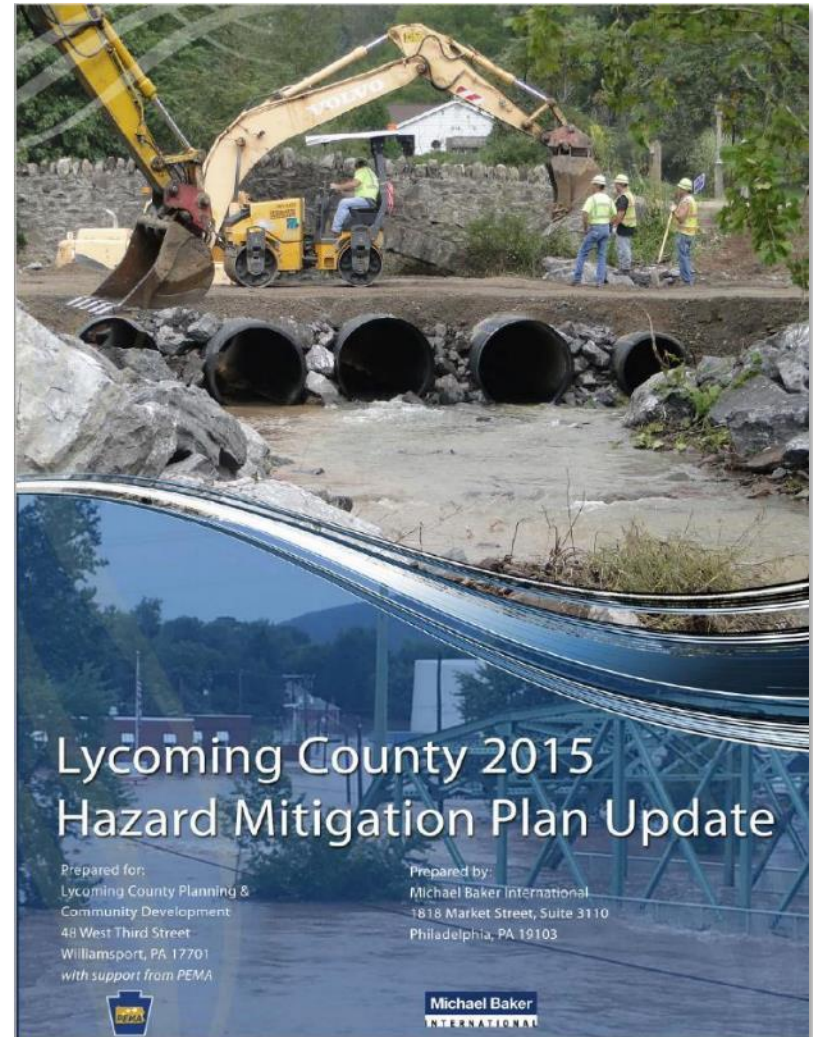
- Welcome and Introductions
- Kick Off & Planning Process Recap
- Focus on Assessing Risk
- Mitigation Opportunities
- Participation and Engagement
- Next Steps and Action Items



Task	Dates
Kick-Off Meeting	August 27th
Risk Assessment and Mitigation Solutions Workshop	October 15th
Draft Plan Review Public Meeting	January 14th, 2021
Deliver to PEMA/FEMA for Review	January 2021
Distribute to Municipalities for Adoption	Spring 2021



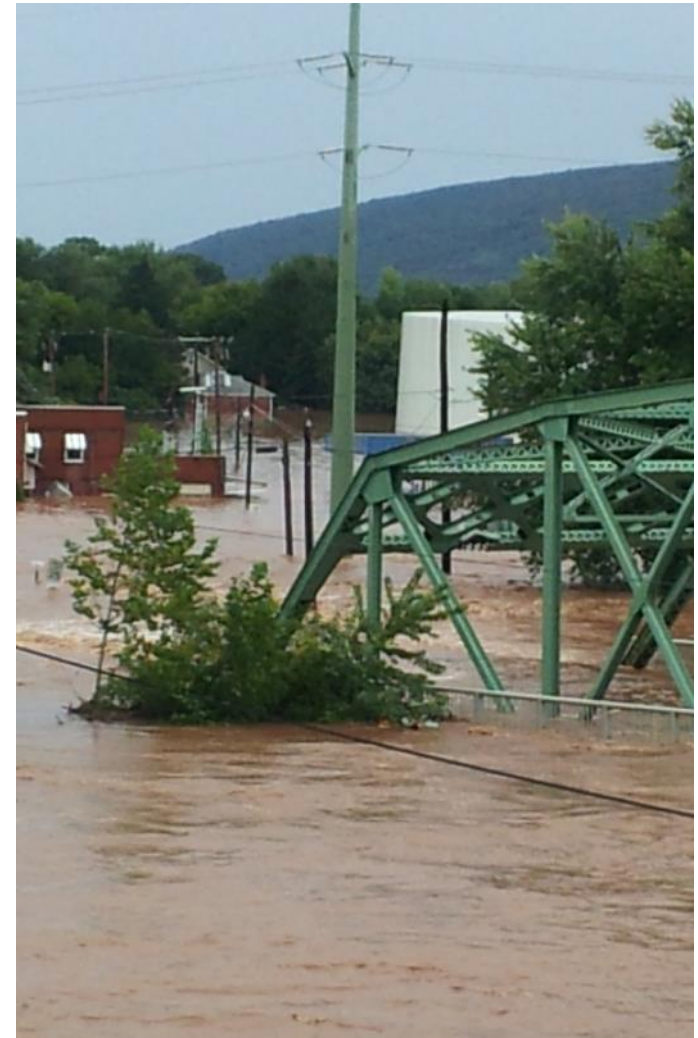
- Discussed the 2020 HMP planning process and requirements
- Discussed hazards and risks identified in the 2015 HMP
- Completed Hazard-Risk Assessment Exercise
- Completed a Capability Assessment Survey
- Reviewed mitigation goals and techniques
- Discussed participation opportunities







- **Location and Extent**
 - *Where* does the hazard happen?
- **Range of Magnitude**
 - How *minor or major* might the event be?
- **Past Occurrence**
 - *When and where* has the event happened in the past?
- **Future Occurrence**
 - *How likely* is it that the event will happen in the future?
- **Vulnerability Assessment**
 - What *people, structures, and critical facilities* are at risk?



- Standardized method to rank risks
- Conducted on a countywide basis

$$\begin{aligned} \text{Risk Factor Value} = & \\ & [(Probability \times .30) + (Impact \times .30) + \\ & (Spatial Extent \times .20) + (Warning Time \times .10) + \\ & (Duration \times .10)] \end{aligned}$$

HAZARD RISK	HAZARD NATURAL (N) or MAN-MADE (M)	RISK ASSESSMENT CATEGORY					RISK FACTOR
		PROBABILITY (1-4)	IMPACT (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)	
HIGH	Flood, Flash Flood, Ice Jam (N)	4	3	3	2	3	3.2
	Winter Storm (N)	4	2	4	2	2	3.0
	Utility Interruption (M)	4	2	1	4	2	2.6
MODERATE	Drought (N)	2	2	3	1	4	2.3
	Transportation Accident (M)	4	1	1	4	1	2.2
	Nuclear Incident (M)	1	2	2	4	4	2.1
	Wildfire (N)	3	1	1	4	3	2.1
	Environmental Hazard (M)	3	1	1	4	2	2.0
	Dam Failure (M)	1	3	1	4	2	2.0
LOW	Tornado, Windstorm (N)	2	2	1	4	1	1.9
	Radon (N)	2	1	2	1	4	1.8
	Earthquake (N)	1	1	3	4	1	1.7
	Hailstorm (N)	2	1	2	3	1	1.7
	Disorientation (M)	2	1	1	4	2	1.7
	Terrorism (M)	1	2	1	4	1	1.6
	Levee Failure	1	2	1	4	1	1.6
	Subsidence, Sinkhole (N)	1	1	1	4	1	1.3



- Updating the 2015 Hazard Mitigation Plan
 - Incorporating pandemic as a hazard
 - Looking at land subsidence impact on the road networks
 - Showing flood analysis by watershed
 - Including feedback from the extra public review

If you have not submitted, please do so as soon as possible

- Survey Monkey [here](#)
- Paper forms on the Lycoming HMP site [here](#).
- Email completed forms to rebecca.wetzler@mbakerintl.com.

HAZARD RISK	HAZARD NATURAL (N) or MAN-MADE (M)
HIGH	Flood, Flash Flood, Ice Jam (N)
	Winter Storm (N)
	Utility Interruption (M)
MODERATE	Drought (N)
	Transportation Accident (M)
	Nuclear Incident (M)
	Wildfire (N)
	Environmental Hazard (M)
	Dam Failure (M)
LOW	Tornado, Windstorm (N)
	Radon (N)
	Earthquake (N)
	Hailstorm (N)
	Disorientation (M)
	Terrorism (M)
	Levee Failure
	Subsidence, Sinkhole (N)

Lycoming County Hazard Mitigation Plan

Hazard Risk Evaluation Form

Lycoming County Planning and Community Development is undergoing the process of updating its Hazard Mitigation Plan (HMP). This includes an evaluation of any changes to the hazards and level of risk affecting communities in Lycoming County. Please fill out the form below to provide an evaluation of the change in hazards and risk in your community.

* 1. Please provide the name of your Community/Organization.

* 2. Please provide your Name and Title.

* 3. How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed for each of the following hazards in your community? (NC=No Change, I=Increase, D=Decrease)

	Change in Hazard
Flooding	+
Earthquake	+
Drought and Crop Failure	+
Landslide	+
Land Subsidence	+
Wildfire	+
Wind Events	+

Evaluation of Identified Hazards and Risk

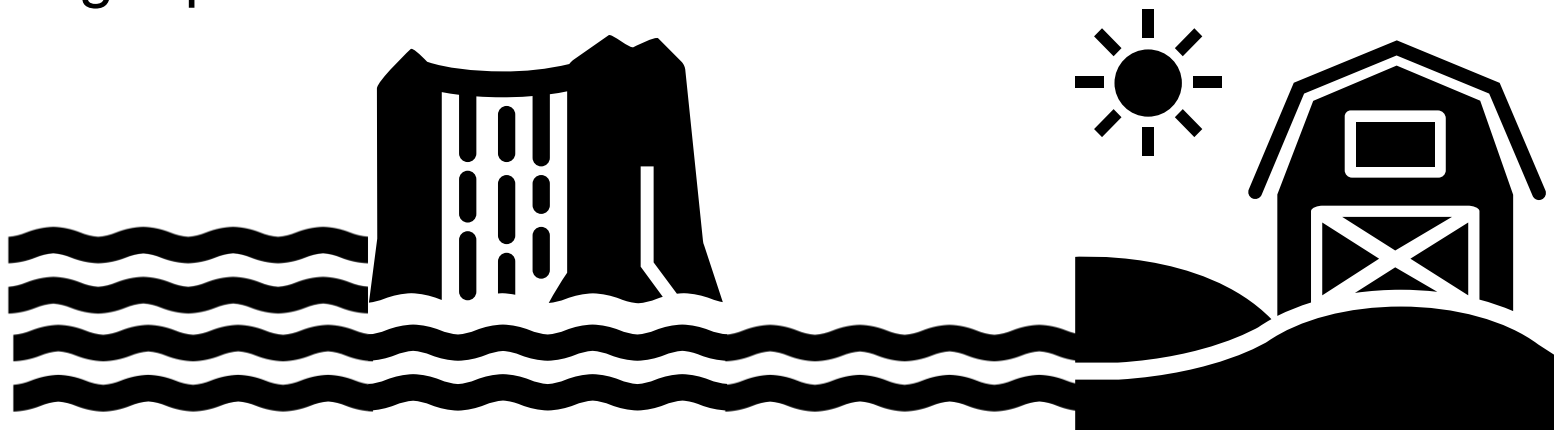
Community/Organization:		
Name and Title:		
PART I: Identified Hazards		
Identified Hazards (2015 HMP)	How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed in your community? NC=No Change I=Increase D=Decrease (Please provide an explanation for any hazards marked I or D in the "Additional Comments" column)	Additional Comments
Flood, Flash Flood, and Ice Jam		



Questions focus on what hazards your community faces and if there have been any changes.

Example:

A large development in Farmville just installed a dam to increase water flow to their residents and businesses. The farms on the other side of town noticed their irrigation systems impacted. Farmville representatives will note changes in their drought profile.



Capability Assessment Survey

Community/Organization: _____
 Name and Title: _____

Please indicate whether the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction by placing an "X" in the appropriate box, followed by the date of adoption/update if known.

Tool/Program	Status		Comments
	In Place	Under Development	
Hazard Mitigation Plan			
Emergency Operations Plan			
Evacuation Plan			
Continuity of Operations Plan			
Floodplain Management Ordinance			
Zoning Regulations			
Subdivision Regulations			
Comprehensive Land Use Plan (or General, Master, or Growth Management Plan)			
Stormwater Management Plan			
Natural Resource Protection Plan			
Capital Improvement Plan			

Lycoming County Hazard Mitigation Plan

Capability Assessment Form

Lycoming County Planning and Community Development is undergoing the process of updating its Hazard Mitigation Plan (HMP). This includes an assessment of the capabilities of communities in Lycoming County. Please fill out the form below to provide an assessment of the capabilities in your community.

1. Please provide the name of your Community/Organization.

2. Please provide your Name and Title.

3. Please indicate if the following planning or regulatory tools and programs are currently in place or under development for your jurisdiction.

Status

If you have not submitted, please do so as soon as possible

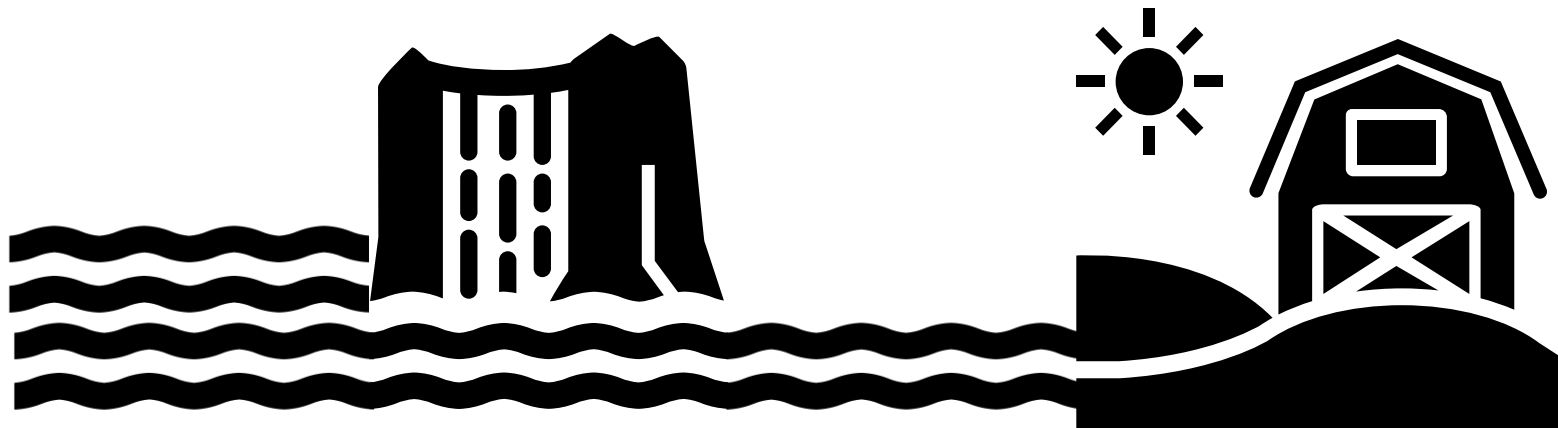
- Survey Monkey [here](#)
- Paper forms on the Lycoming HMP site [here](#)
- Email completed forms to rebecca.wetzler@mbakerintl.com.



Questions focus on what your community can do about hazards- through building codes, ordinances, etc.

Example:

Farmville recently updated their floodplain ordinance to require permitting for any development that may impact water flow through the municipality. They also hired more inspectors. The municipal official filling in their form updated their capabilities to note these new tools available.





Checking In On The NFIP

Whether you are here as a requirement for hazard mitigation planning (44 CFR 201.6(c)(3)ii) or to take strategic action as a floodplain administrator, this document is intended for you and any other staff/ partners necessary to help you fill in the questions for each section. Being a part of the National Flood Insurance Program (NFIP) unlocks a lot of valuable resources and connections to state and federal partners. FEMA developed this worksheet to assist you in finding opportunities to meet AND EXCEED requirements as you help your community.

Floodplain Identification and Mapping

The first step is to figure out what made you eligible for the NFIP, where those resources are, and who is accountable for tracking them.

As part of the application to join the NFIP, each participating community was required to identify a floodplain administrator (FPA)/floodplain manager. If the person/ position changes, the community should notify their state NFIP coordinator and FEMA. Please consider who is designated to manage floodplain development and enforce compliance. The role may be completed by multiple individuals with other job responsibilities (e.g., “wearing multiple hats”) as long as one person/ position is ultimately accountable for the responsibilities of FPA.

Lycoming County Hazard Mitigation Plan

National Flood Insurance Program (NFIP) Survey

Lycoming County Planning and Community Development is undergoing the process of updating its Hazard Mitigation Plan (HMP). Please complete the following National Flood Insurance Program (NFIP) survey to provide more information about flood insurance in your community.

* 1. Please provide the name of your Community/Organization.

* 2. Please provide your Name and Title.

* 3. **Floodplain Identification and Mapping**

Where do you keep your FIRM and FIS report?

Has your community adopted the most recent FIRM? When was the adoption? Where is that information stored?


If you have not submitted, please do so as soon as possible

- Survey Monkey [here](#)
- Paper forms on the Lycoming HMP site [here](#)
- Email completed forms to rebecca.wetzler@mbakerintl.com.



NFIP

- Voluntary
- Requires Floodplain Management



Checking In On The NFIP

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The worksheet goes through a lot of the requirements and gives guidance on how to answer. May make sense to complete with your Floodplain Administrator (FPA).



Figure 4.3.8-1 Map showing location of wildfire events with known locations reported to DCNR in Lycoming County from 2008-2013 (PADCNR-BOF, 2013).

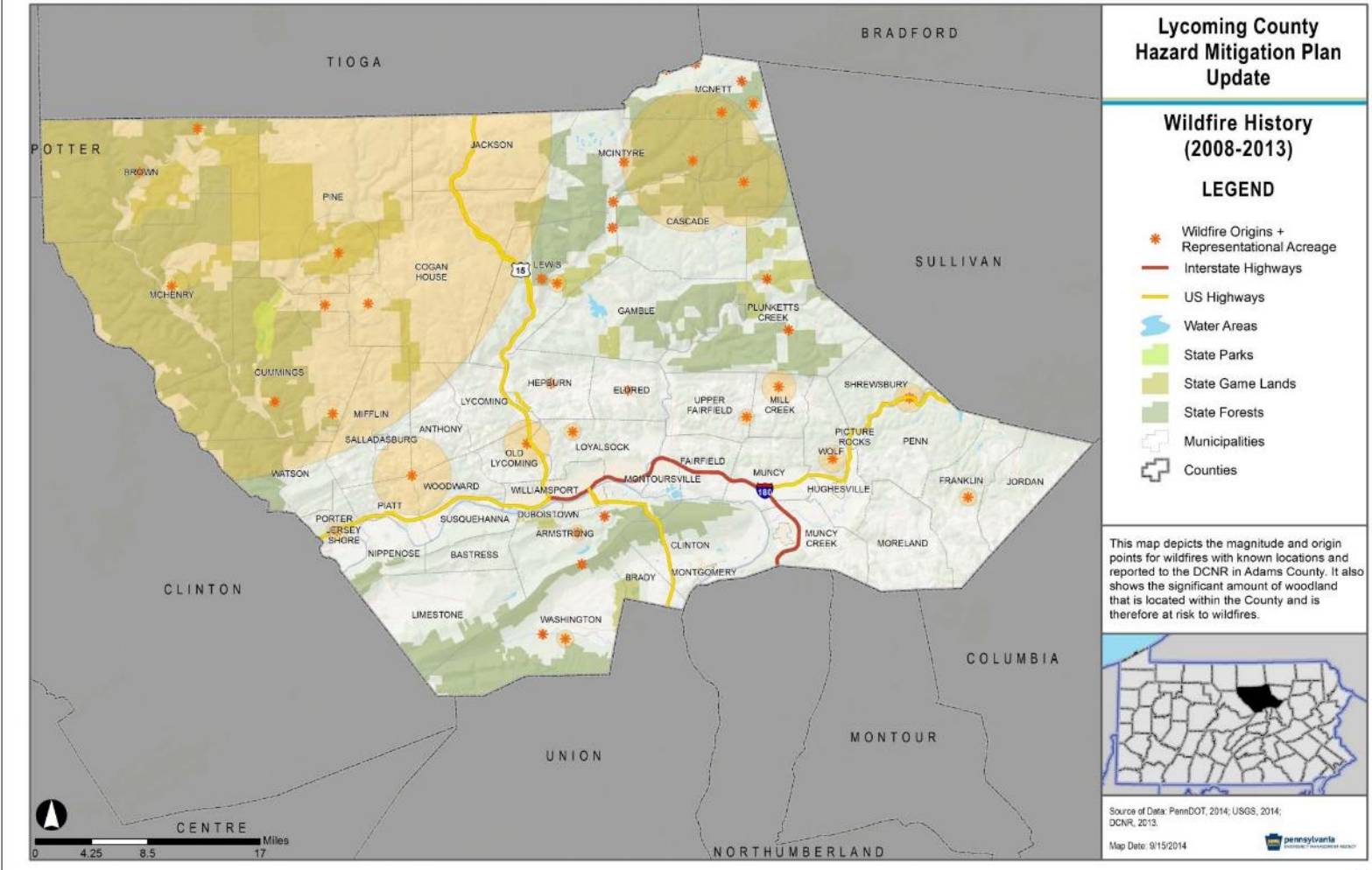
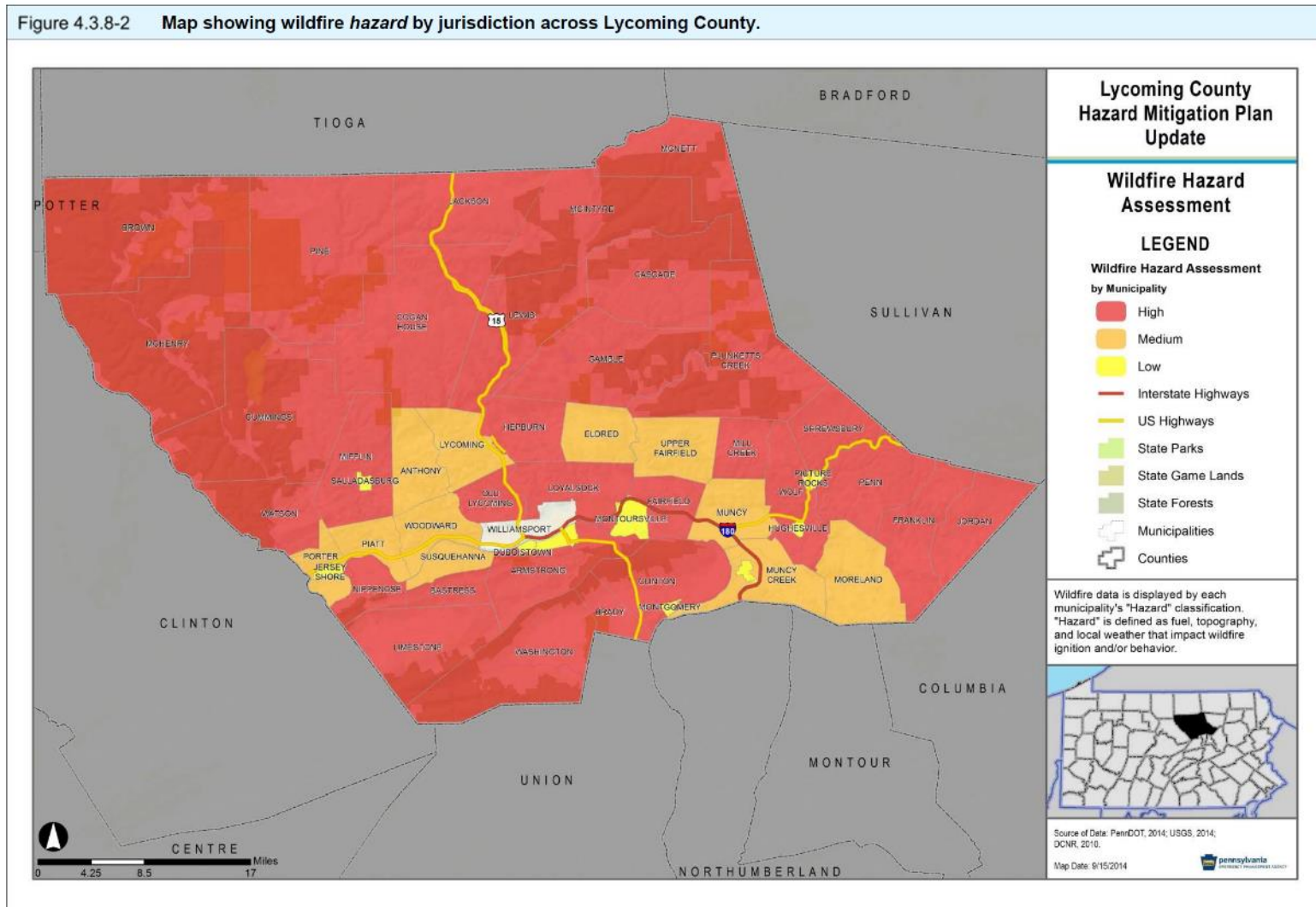


Figure 4.3.8-2 Map showing wildfire hazard by jurisdiction across Lycoming County.



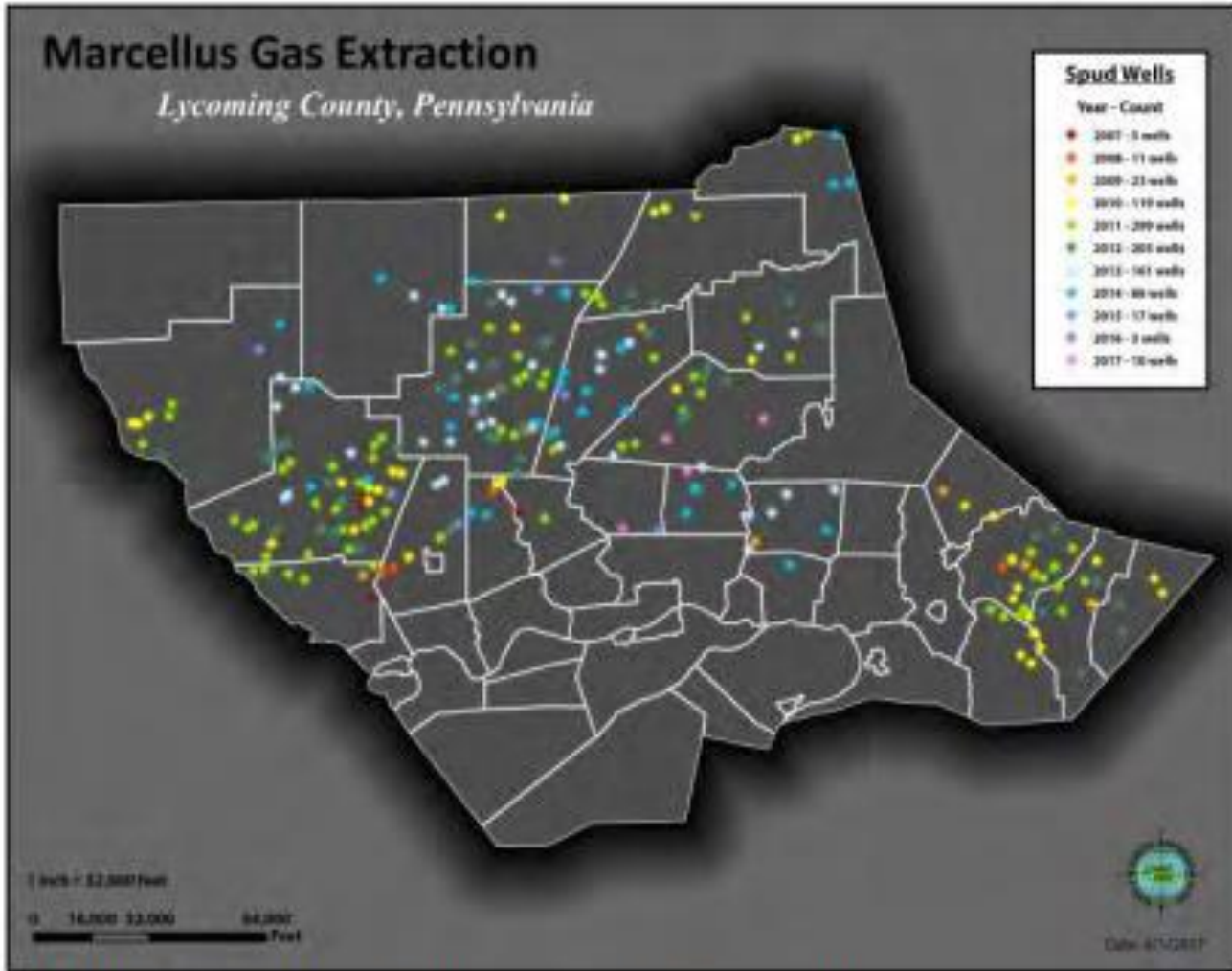


Figure 9: Marcellus Gas Extraction in Lycoming County
Source: PCD



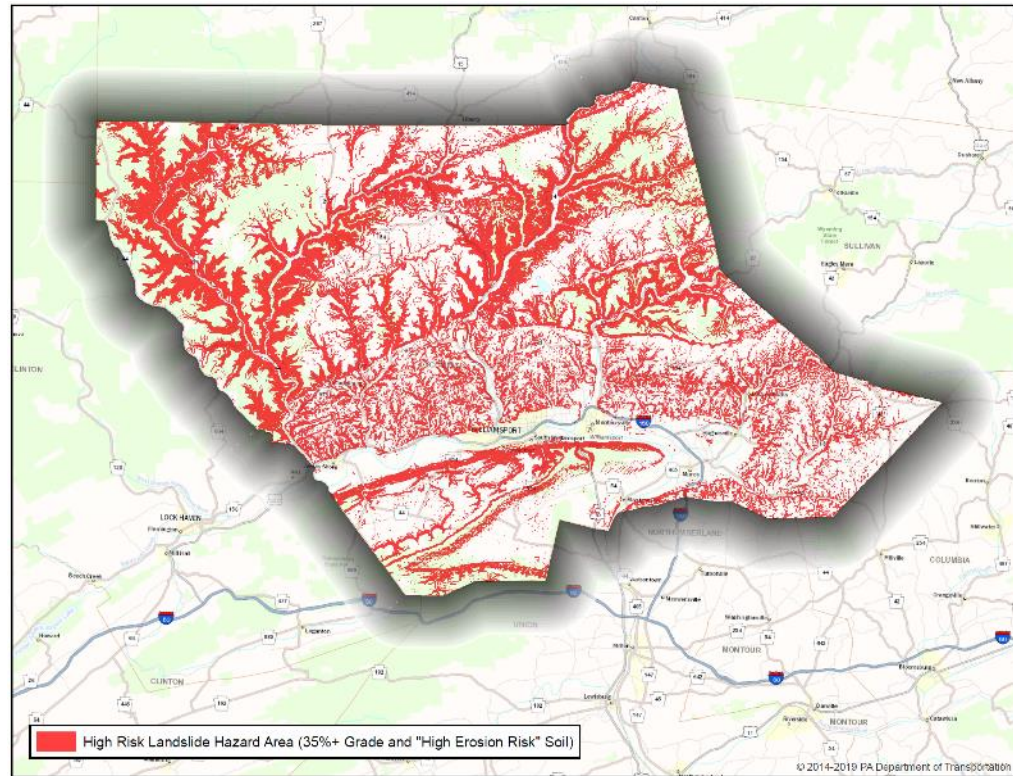
- Lycoming County followed up with Forestry to discuss the interaction of wildfires with well pads.



We're looking into the impacts of landslides. Do you have information that might be helpful? Please let us know!

Table 4.3.6-2 Subsidence vulnerability for Lycoming County.

MUNICIPALITY	TOTAL STRUCTURES	STRUCTURES IN SUBSIDIENCE-PRONE AREAS	PERCENT OF STRUCTURES IN SUBSIDIENCE-PRONE AREAS	TOTAL CRITICAL FACILITIES	TOTAL CRITICAL FACILITIES IN SUBSIDIENCE-PRONE AREAS	PERCENT CRITICAL FACILITIES IN SUBSIDIENCE-PRONE AREAS
McIntyre Township	419	0	0.0%	8	0	0.0%
McNett Township	254	0	0.0%	2	0	0.0%
Mifflin Township	581	0	0.0%	6	0	0.0%
Mill Creek Township	313	0	0.0%	4	0	0.0%
Montgomery Borough	805	0	0.0%	14	0	0.0%
Montoursville Borough	2,257	459	20.3%	32	4	12.5%
Moreland Township	583	0	0.0%	7	0	0.0%
Muncy Borough	1,117	267	23.9%	17	7	41.2%
Muncy Creek Township	1,970	299	15.2%	21	4	19.0%
Muncy Township	655	75	11.5%	14	1	7.1%
Nippenose Township	558	106	19.0%	7	1	14.3%
Old Lycoming Township	3,091	0	0.0%	22	0	0.0%
Penn Township	573	0	0.0%	2	0	0.0%
Platt Township	866	25	2.9%	5	0	0.0%
Picture Rocks Borough	300	0	0.0%	9	0	0.0%
Pine Township	556	0	0.0%	3	0	0.0%
Plunketts Creek Township	711	0	0.0%	7	0	0.0%
Porter Township	870	31	3.6%	7	0	0.0%
Salladasburg Borough	145	0	0.0%	2	0	0.0%
Shrewsbury Township	298	0	0.0%	2	0	0.0%
South Williamsport Borough	2,899	360	12.4%	28	1	3.6%
Susquehanna Township	738	154	20.9%	6	4	66.7%



In the past 5 years, have any of your plans, policies, procedures, or ordinances changed? Please let us know!

Table 5.2-1 Major Planning Tools in Lycoming County

Municipality	Comprehensive Land Use Plan	NFIP/FP Regulations	Subdivision Regulations	Zoning Regulations
Anthony Township	County	X	County	X
Armstrong Township	Greater Williamsport Alliance, 2005	X	X	X
Bastress Township	County	County	County	County
Brady Township	US 15 South, 2005	X	X	X
Brown Township	County	County	County	County
Cascade Township	County	County	X	County
Clinton Township	US 15 South, 2005	X	X	X
Cogan House Township	County	County	County	County
Cummings Township	County	County	County	County
Dubois Borough	Greater Williamsport Alliance, 2005	X	X	X
Eldred Township	County	X	X	X
Fairfield Township	Montoursville-Muncy, 2005	X	X	X
Franklin Township	County	X	X	X
Gamble Township	County	County	County	County
Hepburn Township	Lower Lycoming Creek, 2005	X	X	X
Hughesville Borough	Muncy Creek 2004	X	County	X
Jackson Township	County	County	County	County
Jersey Shore Borough	US 220/Future I-99, 2005	X	County	X
Jordan Township	County	County	County	County
Lewis Township	Lower Lycoming Creek, 2005	County	X	County
Limestone Township	County	County	County	County
Loyalsock Township	Greater Williamsport Alliance, 2005 and Lower Lycoming Creek, 2005	X	X	X
Lycoming Township	Lower Lycoming Creek, 2005	X	X	X
McHenry Township	County	County	County	County
McIntyre Township	County	County	County	County
McNett Township	County	County	County	County
Mifflin Township	County	County	County	County
Mill Creek Township	County	X	County	X
Montgomery Borough	US 15 South, 2005	X	X	X

All 52 municipalities in Lycoming County have enacted floodplain ordinances and will be updating their floodplain management ordinances as part of the current RiskMAP process taking place now. The following municipalities participate in the County Zoning Partnership:

- Bastress Township
- Brown Township
- Cascade Township
- Cogan House Township
- Cummings Township
- Gamble Township
- Jackson Township
- Jordan Township
- Lewis Township
- Limestone Township
- McHenry Township
- McIntyre Township
- McNett Township
- Mifflin Township
- Moreland Township
- Muncy Township
- Penn Township
- Piatt Township
- Plunketts Creek
- Salladasburg Borough

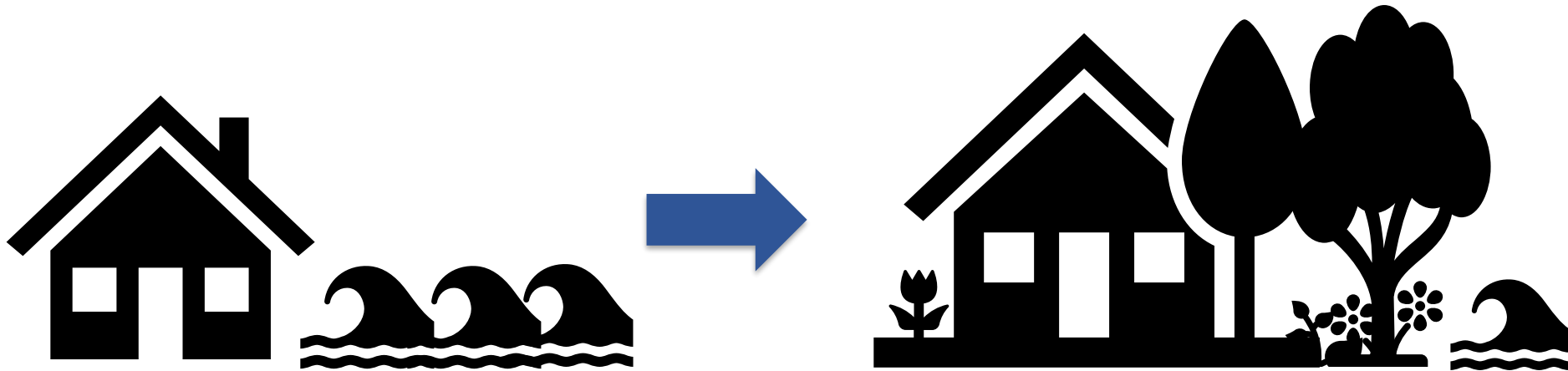
The County's zoning ordinance exceeds federal requirements for floodplain management by:

- prohibiting the conversion, improvement, expansion or construction of mobile home parks, hospitals, nursing homes, jails, or prisons;
- prohibiting all construction within the floodway, except for public improvements that would not increase the base flood elevation (BFE);
- requiring one and one-half feet of freeboard for all new construction or substantial improvement of residential structures within the floodplain; non-residential structures must be flood proofed;





- Hazard mitigation is any sustained action taken to reduce or eliminate long-term risk to life and property resulting from natural and human-made hazards.



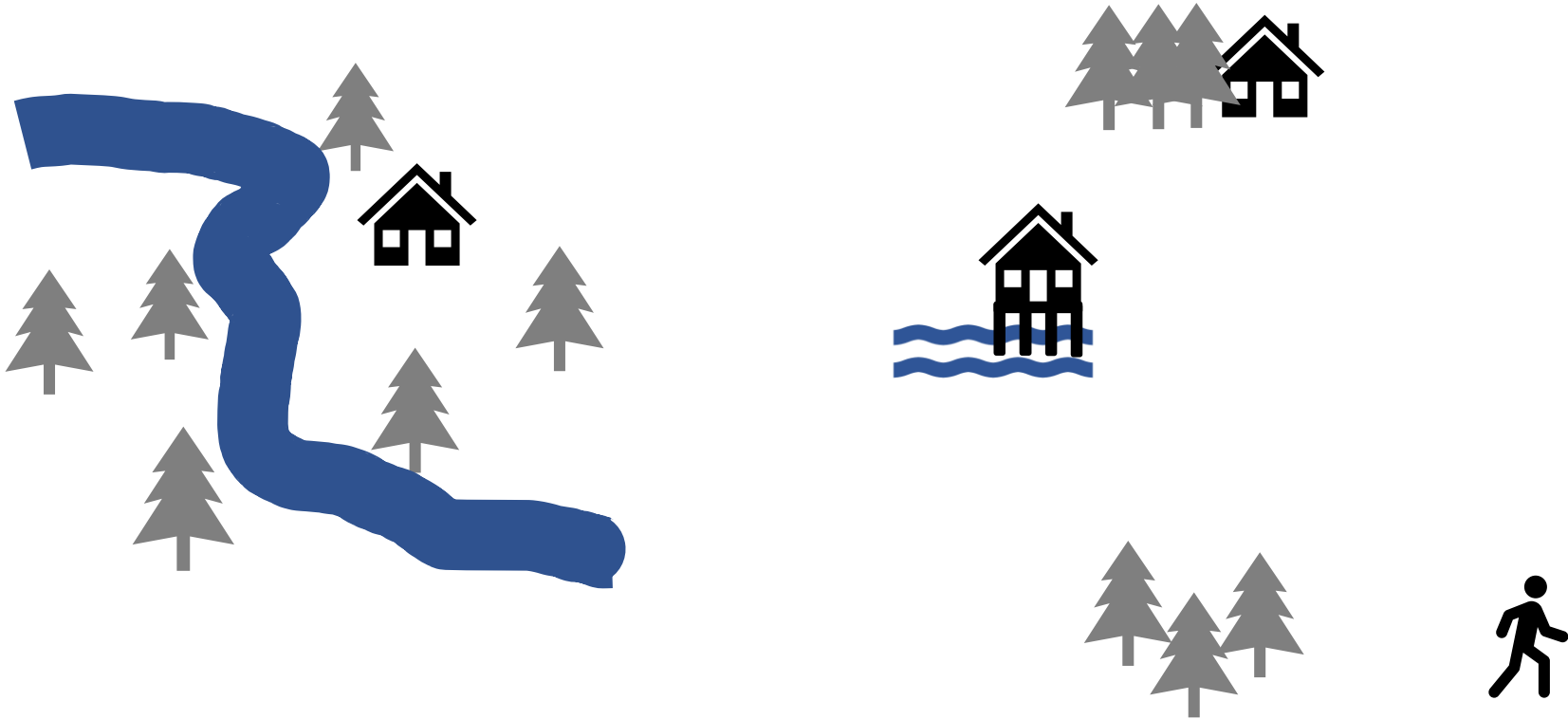
Flooding Example



Flooding Example



“Just mitigate the risk”



Which risk?



Consider the spacing for a wildfire



Surface area for a wind event



What you want your community culture to be

Which action is best for your community?

- Cost/ benefit
- Political will
- Community/ cultural fabric
- Exposure to other risks

- Goals and Objectives
- Mitigation Techniques
- Mitigation Action Plan





- Government authorities, policies, or codes that influence the way land and buildings are developed and built such as:
 - Comprehensive Plans
 - Subdivision Regulations
 - Building Codes and Enforcement
 - Capital improvement Programs
 - Stormwater Management Plans
 - Emergency Operations Plans



- Modifying existing structures and infrastructure to remove from a hazard area.
- Construction of manmade structures to reduce impacts of hazards.

- Actions that minimize damage and losses and also preserve or restore the functions of natural systems:
 - Sediment and erosion control
 - Stream corridor restoration
 - Forest management
 - Conservation easements
 - Wetland restoration and preservation





- National preventative programs
- Mailings to hazard-prone communities
- Websites with maps and information
- Presentations to community groups
- Radio or TV spots

Table 6.3-1 Mitigation Techniques Matrix				
HAZARD	MITIGATION TECHNIQUES			
	LOCAL PLANS AND REGULATIONS	STRUCTURE AND INFRASTRUCTURE PROJECTS	NATURAL SYSTEMS PROTECTION	EDUCATION AND AWARENESS PROGRAMS
Flood, Flash Flood, Ice Jam	X	X		X
Winter Storm	X	X		X
Utility Interruption	X	X		X
Drought				X
Transportation Accident	X	X		X
Nuclear Incident				X
Wildfire	X		X	X
Environmental Hazard	X			X
Tornado, Windstorm	X	X		X
Earthquake	X	X		X
Hailstorm	X	X		X
Disorientation	X	X		X
Terrorism	X			X
Subsidence, Sinkhole	X			X



2015 Mitigation Goals

Please look back at your mitigation goals and activities and let us know:

- What have you done?
- What did you try that didn't work?
- What are you hoping to do next?

Goal 1: Prevent hazards from impacting the community.

Goal 2: Protect the people, property, and environment in hazard areas.

Goal 3: Maintain and enhance emergency services capabilities in the community.

Goal 4: Protect natural resources within the hazard areas.

Goal 5: Ensure that stakeholder groups have the necessary information to mitigate against hazard impacts

Goal 6: Implement structural projects to reduce the impacts of hazards.

Goal 1: Prevent hazards from impacting the community.

Goal 2: Protect the people, property, and environment in hazard areas.

Goal 3: Maintain and enhance emergency services capabilities in the community.

Goal 4: Protect natural resources within the hazard areas.

Goal 5: Ensure that stakeholder groups have the necessary information to mitigate against hazard impacts

Goal 6: Implement structural projects to reduce the impacts of hazards.

- Work with the municipalities to create and/or update land use regulations (e.g. zoning, subdivision, and land development).
- Complete and/or update stormwater management plans for all the watersheds in the County.
- Promote municipal participation in the NFIP and CRS.
- Evaluate hazard impacts and potential preventive measures.
- Maintain permit tracking

Goal 1: Prevent hazards from impacting the community.

Goal 2: Protect the people, property, and environment in hazard areas.

Goal 3: Maintain and enhance emergency services capabilities in the community.

Goal 4: Protect natural resources within the hazard areas.

Goal 5: Ensure that stakeholder groups have the necessary information to mitigate against hazard impacts

Goal 6: Implement structural projects to reduce the impacts of hazards.

- Acquire properties within hazard areas.
- Retrofit structures to withstand hazard impacts.
- Relocate structures to outside of hazard areas.
- Ensure future public facilities can withstand hazard impacts.

Goal 1: Prevent hazards from impacting the community.

Goal 2: Protect the people, property, and environment in hazard areas.

Goal 3: Maintain and enhance emergency services capabilities in the community.

Goal 4: Protect natural resources within the hazard areas.

Goal 5: Ensure that stakeholder groups have the necessary information to mitigate against hazard impacts

Goal 6: Implement structural projects to reduce the impacts of hazards.

- Conduct and enhance emergency planning activities.
- Improve alert and warning systems.

Goal 1: Prevent hazards from impacting the community.

Goal 2: Protect the people, property, and environment in hazard areas.

Goal 3: Maintain and enhance emergency services capabilities in the community.

Goal 4: Protect natural resources within the hazard areas.

Goal 5: Ensure that stakeholder groups have the necessary information to mitigate against hazard impacts

Goal 6: Implement structural projects to reduce the impacts of hazards.

- Protect natural functions of waterways.
- Protect watersheds in the County.

Goal 1: Prevent hazards from impacting the community.

Goal 2: Protect the people, property, and environment in hazard areas.

Goal 3: Maintain and enhance emergency services capabilities in the community.

Goal 4: Protect natural resources within the hazard areas.

Goal 5: Ensure that stakeholder groups have the necessary information to mitigate against hazard impacts

Goal 6: Implement structural projects to reduce the impacts of hazards.

- Promote personal mitigation measures to the general public.
- Promote public awareness of previous hazard impacts.
- Conduct community outreach regarding hazard mitigation.



Goal 1: Prevent hazards from impacting the community.

Goal 2: Protect the people, property, and environment in hazard areas.

Goal 3: Maintain and enhance emergency services capabilities in the community.

Goal 4: Protect natural resources within the hazard areas.

Goal 5: Ensure that stakeholder groups have the necessary information to mitigate against hazard impacts

Goal 6: Implement structural projects to reduce the impacts of hazards.

- Maintain infrastructure.
- Design and implement flood control projects.

Mitigation Technique	Action
Local Plans and Regulations	Ensure integration of vulnerabilities into local, regional, and countywide comprehensive planning processes.
Structure and Infrastructure Projects	Relocate a section of main waterline currently in an area vulnerable to flooding and transportation accidents.
Structure and Infrastructure Projects	Elevate structures repeatedly impacted by flooding on a specific street.
Natural Systems Protection	Coordinate to conduct prescribed burns as necessary to reduce wildfire risk.
Education and Awareness Programs	Identify senior independent living, extended care, and hospice care residential living facilities and provide targeted information about evacuation and sheltering resources.



Mitigation Action Plan:

- Each municipality must have at least one mitigation action.
- There must be at least one mitigation action for each profiled hazard.
- Mitigation actions should be realistic and sustainable.
- 2015 HMP: 26 actions



- Status and other notes on actions from the 2015 HMP
 - Each action can be noted as completed, canceled, deferred or ongoing
 - Deferred actions are those that may still align with state goals, risks, and capabilities, but could not be completed in the previous cycle

LYCOMING COUNTY 2020 HAZARD MITIGATION PLAN UPDATE

Mitigation Action Progress Report Form: Township of Anthony

Please email completed form to rebecca.wetzler@mbakerintl.com.

Hazard(s) Addressed	Mitigation Action	Lead Agency/ Department	STATUS				STATUS UPDATE NOTES
			Completed	Canceled	Deferred	Ongoing	
Flood, Flash Flood, Ice Jam	Update/revise, and adopt floodplain management ordinance as part of NFIP compliance and RiskMAP .	Lycoming County, Municipalities					
Flood, Flash Flood, Ice Jam	Identify, acquire, and demolish structure with the highest relative vulnerabilities.	Lycoming County Planning and Community Development, municipalities					

Please complete and send our way by November 5th.



- This is a declaration of interest
- Not binding
- These things take time

Let's all
commit to
action
together!



- There are a lot of mitigation actions that have been completed in the past 5 years, many others underway and about to begin. Examples include:
 - Floodplain ordinance updates
 - Bridge projects
 - Sewer and Water Authority Waste Treatment Plant Relocations
 - Montoursville Levee
 - Property acquisitions and buyouts

- Determine additional actions based on current risk, vulnerability, and mitigation goals
- Develop actions for new hazards

Lycoming County 2020 Hazard Mitigation Plan Update

New Mitigation Action Form

Municipality/Organization:	
Name and Title:	

Please complete this worksheet for each new mitigation action. See *Mitigation Ideas: A Resource for Reducing Risk to Natural Hazards* for sample mitigation actions to reduce risk from hazards. This resource is located in the resource section of the project website: <https://www.lyco.org/Hazard-Mitigation-Plan>.


Action Title	
Assessing the Risk	
Hazard(s) addressed	
Describing the Action	
Background/issue addressed	
Action description	
Evaluating the Action	
Cost estimate	
Priority	
Implementing the Action	
Responsible party	
Potential partners	
Potential funding sources	



Update Approach:


- Document existing mitigation actions and identify new ones.
- Assess hazard mitigation goals, objectives, and actions as they relate to reducing loss of life and property from natural and human-made hazards.






Local Mitigation Planning Handbook

March 2013




Protect Your Home from Flooding

LOW-COST PROJECTS YOU CAN DO YOURSELF



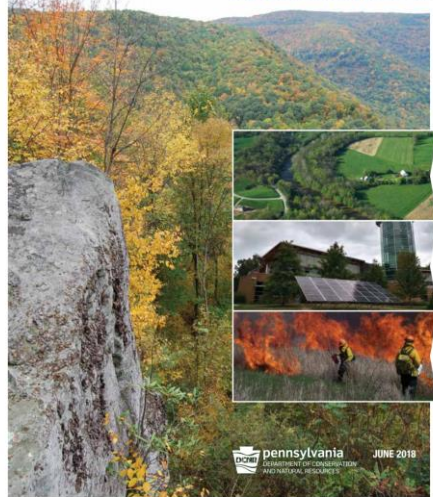
Mitigation Ideas

A Resource for Reducing Risk to Natural Hazards




CLIMATE CHANGE

Adaptation and Mitigation Plan



DEPT. OF ENVIRONMENTAL PROTECTION AND NATURAL RESOURCES
JUNE 2018




SILVER JACKETS

Many Agencies One Solution

INTERAGENCY FLOOD MITIGATION PROGRAM GUIDE



PREPARED BY: PENNSYLVANIA SILVER JACKETS

REVISED
OCTOBER 2015



PENNSYLVANIA HAZARD MITIGATION PLAN STANDARD OPERATING GUIDE

2020



- Monitoring, evaluating and updating the plan (Annual Reviews)
- Incorporation into other planning mechanisms
- Continued public involvement



- How has the hazard's risk changed in the last five years? Is there new development?
- Are the current resources to implement mitigation actions sufficient?
- Are the fiscal, administrative, political, public support, capability, etc. sufficient?



- Are there additional resources that would help you?
- Overall, what are the biggest obstacles to completing mitigation actions?
- Are there any goals for this planning process that weren't already addressed today?

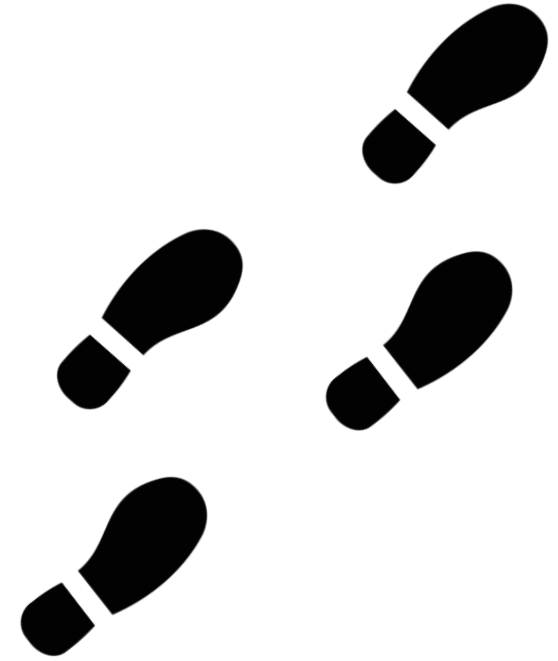


Jurisdictional Participation Requirements

- Attend meeting(s)
- Provide local information
- Develop mitigation action(s)



Remember there are extra steps (and possible credits!) for CRS communities



Visit www.lyco.org/hazard-mitigation-plan

- Online home of the planning process

The screenshot shows the Lycoming County Government website. At the top left is the Lycoming County seal and the text "LYCOMING COUNTY GOVERNMENT Lyco.org Committed To Our Community". To the right are social media icons for Facebook, Twitter, and YouTube, and a search bar. Below the header is a navigation menu with items: "Make a Payment", "Departments", "Elected Officials", "Courts", "Public Safety", and "Re-Entry Coalition". A large blue banner features a "2020 Census" advertisement with the text "Fill out your 2020 Census today. Respond online at 2020CENSUS.GOV" and "Shape your future START HERE >". Below the banner is a breadcrumb trail: "Home > Departments > Planning and Community Development > Hazard Mitigation > Hazard Mitigation Plan". On the right side of the breadcrumb trail are "Register" and "Login" links. The main heading is "2020 Hazard Mitigation Plan Update". Below the heading is a list of links: "Surveys & Outreach", "What is a Hazard Mitigation Plan (HMP)", "What Does the HMP Do?", "2020 HMP Update Overview", "2020 Update Draft", "Presentations", "Important Dates", and "Contact". To the right of the list is a graphic of a shield with a house icon, surrounded by symbols for smoke, lightning, water, and fire. At the bottom right is the Lycoming County seal.



Task	Dates	
Kick-Off Meeting	August 27th	✓
Risk Assessment and Mitigation Solutions Workshop	October 15th	✓
Draft Plan Review Public Meeting	January 14th, 2021	
Deliver to PEMA/FEMA for Review	January 2021	
Distribute to Municipalities for Adoption	Spring 2021	



- Hazard Mitigation Planning Team:
 - Tell us about changes in your community
 - Complete the mitigation action update worksheet
 - Complete the new mitigation action worksheet (if applicable)

- Project Team:
 - Update the project website with meeting materials
 - Analyze data
 - Draft plan based on guidance and feedback from each of you



Next Meeting: January 14th, 2021

Please let us know you are here!

- Please submit your name and municipality or organization by:
 1. Using the WebEx “Chat” or
 2. Emailing rebecca.wetzler@mbakerintl.com



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