

APPENDIX C – MEETING AND OTHER PARTICIPATION DOCUMENTATION

This appendix contains the following documentation of the Mifflin County 2019 Hazard Mitigation Plan Update planning process:

Kick-Off Meeting – January 15, 2019

- Invitation
- Project Schedule
- Reminder
- Agenda
- Sign-In Sheet
- Presentation
- Hazard and Risk Worksheet
- Meeting Summary
- Invitation to Complete Worksheet

Risk Assessment and Mitigation Solutions Workshop – February 26, 2019

- Invitation (Stakeholders)
- Invitation (Steering Committee and Municipalities)
- Reminder (Stakeholders)
- Reminder (Steering Committee and Municipalities)
- Notice of Rescheduled Meeting
- Reminder of Rescheduled Meeting
- Agenda
- Sign-In Sheet
- Presentation
- Example Mitigation Actions
- Hazard and Risk Worksheet
- Jurisdictional Risk Assessment
- Mitigation Action Form
- Mitigation Action Progress Report Form
- Meeting Summary

Risk Assessment and Mitigation Solutions Discussion: Menno Township – March 1, 2019

- Pre-Call Information
- Call Summary
- Call Follow-Up

Risk Assessment and Mitigation Solutions Discussion: Newton Hamilton Borough – March 6, 2019

- Invitation
- Call Summary
- Call Follow-Up

Risk Assessment and Mitigation Solutions Discussion: Granville Township, Juniata Terrace Borough, Decatur Township – April 11, 2019

- Invitation
- Reminder
- Call Summary
- Call Follow-Up

Risk Assessment and Mitigation Solutions Discussion: Kistler Borough – April 23, 2019

- Invitation
- Reminder
- Call Summary
- Call Follow-Up

Plan Review Meeting – August 6, 2019

- Invitation to Scheduling Poll
- Invitation to Steering Committee
- Public Notice Proof of Publication
- Public Notice on Project Website
- Public Notice on Facebook
- Reminder to Steering Committee
- Invitation to Municipalities
- Agenda
- Sign-In Sheet
- Presentation
- Meeting Summary
- Email: CDs Mailed to Municipalities
- Follow Up Email to Steering Committee

Completed Participation Forms

- Hazard and Risk Worksheet
- Jurisdictional Risk Evaluation
- NFIP Worksheets
- Mitigation Action Progress
- New Mitigation Action Form

Other Participation Documentation

- Public Notice to County Facebook Page
- Posting to County Website
- Agenda for Presentation to Planning Commission
- Presentation for the Planning Commission

Kickoff Meeting – January 15, 2019

- Invitation
- Project Schedule
- Reminder
- Agenda
- Sign-In Sheet
- Presentation
- Hazard and Risk Worksheet
- Meeting Summary
- Invitation to Complete Worksheet

Welt, Angela

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Wednesday, December 19, 2018 7:52 AM
To: Ann Thompson (dryhouse2@mac.com); Armagh Township (secretary@armaghtownship.org); Craig Bubb; Lucas, Phil; Matt Moore (mbm9877@gmail.com); Matt Stringer (stringgo1@icloud.com); Paul Maidens (pjm33@mcsdk12.org); pshoop@fameems.org; Rex Fink (rfink@lewistownborough.com); Robert Henry (BHenry@jvbd.org); Ron Napikoski (renapikoski@geisinger.edu); Sharina Harshbarger (SharinaHarshbarger@gmail.com); mcveytown@verizon.net; M. Moore (mmoore@vvrconline.org)
Cc: Truax, Troy D; Welt, Angela; Fultz, Chastity
Subject: EXTERNAL: RE: Hazard Mitigation Steering Committee meeting notice
Attachments: Mifflin County HMP Schedule.pdf

I realized late yesterday that I forgot to send the schedule attachment. Sorry for any inconvenience.
Bill

From: Gomes, Bill
Sent: Tuesday, December 18, 2018 11:02 AM
To: Ann Thompson (dryhouse2@mac.com); Armagh Township (secretary@armaghtownship.org); Craig Bubb; Lucas, Phil; Matt Moore (mbm9877@gmail.com); Matt Stringer (stringgo1@icloud.com); Paul Maidens (pjm33@mcsdk12.org); pshoop@fameems.org; Rex Fink (rfink@lewistownborough.com); Robert Henry (BHenry@jvbd.org); Ron Napikoski (renapikoski@geisinger.edu); Sharina Harshbarger (SharinaHarshbarger@gmail.com)
Cc: Troy Truax (Troy.Truax@mbakerintl.com); Angela Welt (AWelt@mbakerintl.com); Fultz, Chastity
Subject: Hazard Mitigation Steering Committee meeting notice

To: Mifflin County Hazard Mitigation Plan Steering Committee
From: Bill Gomes
RE: Date notice for Kick off meeting of Mifflin County Hazard Mitigation plan
Date: December 18, 2018

The kick-off meeting for the Mifflin County Multi-Jurisdictional Hazard Mitigation Plan Update has been scheduled for **Tuesday, January 15, 2019 from 4 – 5:30 PM.**

The meeting will be held at the Mifflin County Courthouse in Meeting Room B located at **20 North Wayne St., Lewistown, PA 17044.**

The kick-off meeting will be facilitated by our consultant team of Troy Truax and Angela Welt of Michael Baker International. The meeting will address the project scope of work, schedule, roles and responsibilities, and overall requirements and outcomes.

The kick-off meeting will be the first of a series of meetings that will be held throughout the project's performance period as detailed in the attached project schedule.

On behalf of the Mifflin County Board of Commissioners, I want to extend our sincere thanks and appreciation for your time and participation in this important planning process. Your participation is extremely important and critical to the planning process.

Please contact me with any questions and we look forward to seeing you on Tuesday, January 15, 2019.

William A. Gomes, AICP
Director

Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

Schedule

With the agreement execution in December 2018, an approximate schedule is provided as follows. This work plan is anticipated to ensure that the plan receives FEMA's Approval Pending Adoption by the December 16, 2019 expiration date.

Task	2019											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Project Coordination & Management	[Solid green bar]											
Quarterly Reports ¹	●		●			●			●			●
Meetings												
Internal Steering Committee Kick-off meeting	●											
Milestone Meetings		●		●			●					● ●
Planning Process	[Solid green bar]											
Community Profile and Asset Inventory	[Solid green bar]											
Risk Assessment		[Solid green bar]										
Capability Assessment		[Solid green bar]										
Mitigation Strategy		[Solid green bar]										
Plan Maintenance						[Solid green bar]						
Writing the Plan Document	[Solid green bar]											
Plan Adoption and Approval	[Solid green bar]											
County Review								[Solid green bar]				
PEMA Review									[Solid green bar]			
FEMA Review, Edits, and APA										[Solid green bar]		

¹To be drafted and submitted to PEMA by Michael Baker

Welt, Angela

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Monday, January 7, 2019 4:35 PM
To: Ann Thompson (dryhouse2@mac.com); Armagh Township (secretary@armaghtownship.org); Craig Bubb; Lucas, Phil; M. Moore (mmoore@vvrconline.org); Matt Moore (mbm9877@gmail.com); Matt Stringer (stringgo1@icloud.com); mcveytown@verizon.net; Paul Maidens (pjm33@mcsdk12.org); pshoop@fameems.org; Rex Fink (rfink@lewistownborough.com); Robert Henry (BHenry@jvbds.org); Ron Napikoski (renapikoski@geisinger.edu); Sharina Harshbarger (SharinaHarshbarger@gmail.com)
Cc: Fultz, Chastity; mcveytown@verizon.net; Truax, Troy D; Welt, Angela; Dunkle, Stephen; Kodish, Kevin; Postal, Robert
Subject: EXTERNAL: Hazard Mitigation meeting
Attachments: 20190115 - SC Mtg 1 - Agenda.pdf; 20190115 - SC Mtg 1 - HMP Fact Sheet.pdf

To: Mifflin County Hazard Mitigation Plan Steering Committee
From: Bill Gomes
Date: January 7, 2019

This is a reminder that the first meeting of the Mifflin County Hazard Mitigation Plan Steering Committee will take place on **January 15, 2019 at 4:00 in Room B** at the Mifflin County Courthouse. Attached you will find an agenda and an HM Plan fact sheet. If you are not able to attend, please let me know.

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

Meeting Agenda

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan Update Steering Committee Kick-Off Meeting

Date	Tuesday, January 15, 2019
Time	4:00 PM – 5:30 PM
Location	Mifflin County Courthouse, Meeting Room B, 20 North Wayne St., Lewistown, PA

Purpose: Steering Committee Kick-Off Meeting for Mifflin County Hazard Mitigation Plan Update

Topic	Time
1. Attendance Sign-in	➤ 4:00 PM
2. Welcome and Introductions	➤ 4:05 PM
3. Definition of Hazard Mitigation	➤ 4:15 PM
4. Review of Planning Process	➤ 4:20 PM
5. Schedule and Meetings	➤ 4:30 PM
6. Hazard Review Exercise	➤ 4:35 PM
7. Participation	➤ 4:50 PM
8. Relevant Data and Documents	➤ 5:05 PM
9. Next Steps	➤ 5:10 PM
10. Questions and Ideas	➤ 5:15 PM

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan Update
Steering Committee Kick-Off Meeting
 Tuesday, January 15, 2019 – 4:00 PM – 5:30 PM

Name	Title	Jurisdiction/ Organization	Telephone	E-Mail Address	Signature
Brenda Aumiller	Secretary and Supervisor	Armagh Township	717-667-6260	secretary@armaghtownship.org	<i>Brenda Aumiller</i>
Craig Bubb	Executive Director	Municipal Authority of the Borough of Lewistown (MABL)	717-248-0165	cabubb@hotmail.com	<i>Craig Bubb</i>
Rex Fink	Codes Enforcement Officer	Lewistown Borough	717-242-1145, opt. 2	rfink@lewistownborough.com	<i>Rex Fink</i>
Chastity Fultz	Office/Grants Manager, Planning and Development Department	Mifflin County	717-242-0887	cfultz@mifflinco.org	<i>Chastity Fultz</i>
William A. Gomes, AICP	Director, Planning and Development Department	Mifflin County	717-242-0887	wgomes@mifflinco.org	<i>Bill Gomes</i>
Sharina Harshbarger	Secretary / Treasurer	Bratton Township	814-441-4361	SharinaHarshbarger@gmail.com	<i>Sharina Harshbarger</i>
Bob Henry	Mental Health Coordinator	Juniata Valley Behavioral & Developmental Services (JVBDs)	717-242-6467	BHenry@jvbds.org	<i>Bob Henry</i>
Phil Lucas	Director	Mifflin County Office of Public Safety	717-248-9645	plucas@mifflinco.org	<i>Phil Lucas</i>
Paul Maidens	Principal	Mifflin County School District (MCSD)	717-242-5801	pjm33@mcsdk12.org	<i>Paul Maidens</i>
Matt Moore	IT Support Specialist / Safety Office	Valley View Retirement Community		mbm9877@gmail.com mmoore@vvrconline.org	<i>Matt Moore</i>
Ronald Napikoski, MBA, RRT, RPFT, FACHE	Director, Cardiovascular, Neuro and Pulmonary Emergency Management Coordinator; Township Vice-Chairman	Geisinger-Lewistown Hospital and Derry Township	717-242-7173	renapikoski@geisinger.edu	<i>Ronald Napikoski</i>
Pat Shoop	Chief	FAME EMS	717-248-5553	pshoop@fameems.org	<i>Pat Shoop</i>
Matt Stringer	Water, Wastewater Operator, Code Enforcement, Borough Maintenance; Building Maintenance; Water Safety Department	McVeytown Borough, Oliver Township, and Bratton Township	717-899-6323	stringgo1@icloud.com mcveytown@verizon.net	<i>Matt Stringer</i>
Ann Thompson	Township Supervisor	Union Township	717-935-2890	dryhouse2@me.com	<i>Ann Thompson</i>
Troy Truax, AICP	Technical Manager, Planning Services	Michael Baker Intl.	717-213-6241	Troy.Truax@mbakerintl.com	<i>Troy Truax</i>
Angela Welt	Environmental Project Manager	Michael Baker Intl.	717-221-2040	awelt@mbakerintl.com	<i>Angela M. Bart Welt</i>
<i>Rob Postal</i>	<i>County Commissioner</i>				


**MULTI-JURISDICTIONAL
HAZARD MITIGATION PLAN
UPDATE PROJECT**

Steering Committee Meeting #1
January 15, 2019



Agenda


- Attendance Sign-In
- Welcome and Introductions
- Definition of Hazard Mitigation
- Review of Planning Process
- Schedule and Meetings
- Hazard Review Exercise
- Participation
- Relevant Data and Documents
- Next Steps
- Questions and Ideas






What is Hazard Mitigation?

- Hazard mitigation is any **sustained** action taken to **reduce or eliminate long-term risk** to people and property from natural and man-made hazards and their effects.

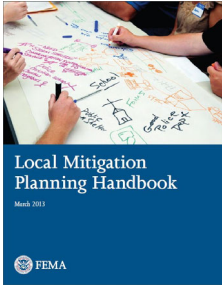


What is a Hazard Mitigation Plan?

- A Hazard Mitigation Plan is a community-driven, living document that communities use to reduce their vulnerability to hazards.
- Counties must have a plan in order to maintain access to mitigation grants. These grants can augment local mitigation activities already being done.



Mitigation Techniques



Local Mitigation Planning Handbook
March 2013
FEMA


- FEMA mitigation planning guidance identifies four mitigation techniques:
 - Plans and Regulations
 - Structure and Infrastructure Projects
 - Natural Systems Protection
 - Education and Awareness Programs

Mitigation Techniques (2014)

- 39 mitigation actions
 - 25 Plans and Regulations
 - 5 Structure and Infrastructure Projects
 - 1 Natural Systems Protection
 - 8 Education and Awareness Programs
- The 3 High Priority actions are all Plans and Regulations.

Mitigation Example

S. Sixth St Flood Mitigation Project
(Borough of Lewisburg, Union Co.)



Potential for New Mitigation Action for this HMP Update

- GIS overlay of floodplains and County's Tax Repository List
- In floodplain: candidates for buyouts
- Beyond floodplain: candidates for county land bank program
- Include in next Comprehensive Plan update



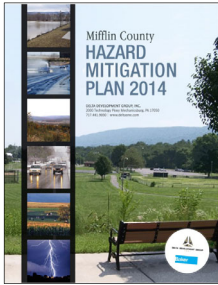
Hazard Mitigation Plan

Updates

- Every five years
- Current HMP valid until 12/16/19

Sections

1. Introduction
2. Community Profile
3. Planning Process
4. Risk Assessment
5. Capability Assessment
6. Mitigation Strategy
7. Plan Maintenance
8. Adoption



Mitigation Goals (2014)

1. Strengthen County and local capabilities to reduce the potential impact of flooding on existing and future public/partner assets, including structures, critical facilities, and technological hazards.
2. Protect the citizens of Mifflin County as well as public and private property from the impacts of natural and human-caused hazards.
3. Enhance planning and emergency response efforts among state, county, and local emergency management personnel to protect public health and safety.

Mitigation Goals (2014) *continued*

4. Build Mifflin County's spatial informational resources to strengthen public and private hazard mitigation planning and decision support capabilities.
5. Increase public awareness on both the potential impacts of natural hazards and activities to reduce those hazards.
6. Increase intergovernmental cooperation and build public-private partnerships to implement activities that will reduce the impact of natural, human-caused, and technological disasters.

Planning Process

- Plan development and participation
- The SC and additional stakeholders
- Public participation
- Meetings
 - Meeting #1 (SC) – **January**
 - Meeting #2 (SC, stakeholders, public) – **Feb**
 - Meeting #3 (SC, stakeholders, public) – **April**
 - Meeting #4 (SC, stakeholders, public) – **July**
 - Meetings #5-6 (municipalities) - **December**
- Incorporating existing planning mechanisms

Schedule and Meetings



Schedule and Meetings

Task	2019											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Project Coordination & Management												
Quarterly Reports*	•		•		•		•		•			•
Meetings												
Internal Steering Committee kick-off meeting	•											
Milestone Meetings		•	•			•						•
Planning Process												
Community Profile and Asset Inventory												
Risk Assessment												
Capability Assessment												
Mitigation Strategy												
Plan Maintenance												
Writing the Plan Document												
Plan Adoption and Approval												
County Review												
FEMA Review												
FEMA Review, EIS, and AEP												

Hazard Review Exercise



Hazard Identification & Evaluation Worksheet

- **Instructions:**
- **PART I:** evaluate whether the frequency, magnitude, or geographic area of hazards profiled in your last plan have:
 - I: Increased
 - D: Decreased
 - NC: Not Changed
- **PART II:** which of the hazards not previously covered are now relevant and should be included in the updated HMP?
- **PART III:** provide any other relevant comments or information indicating why a hazard should be profiled



Plan Update Participants

- Steering Committee
- Additional Stakeholders
 - Municipalities
 - Other Organizations

American Red Cross	Shelter Services, Inc.
HACC (Lewistown)	South Hills School of Business & Tech
Highland Park Hose Company	Reeds Gap State Park
Juniata Valley Chamber of Commerce	Adjacent Counties
Mifflin Co. Industrial Development Corp.	

- Public

Project Website

Includes:

- Calendar of meetings
- Meeting announcements, handouts, and worksheets
- Draft HMP for comment
- Library for documentation and guidance

Pennsylvania Hazard Mitigation Planning

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Centre County HMP

Welcome to the Centre County HMP Update Website.

The 2013 DRAFT Hazard Mitigation Plan is now available for review and comment. The Draft Plan can be accessed [here](#). Comments will be accepted through October 29, 2015 through the comment form or in writing to Hope Volney at hope.volney@pa.gov.

Recent Announcements

Draft Hazard Mitigation Plan Review The Centre County (COAPT) Hazard Mitigation Plan is now available for review and comment. The Draft Plan can be accessed [here](#). Comments will be accepted through October 29, 2015 through the comment form or in writing to Hope Volney at hope.volney@pa.gov.

PUBLIC MEETING A Public Meeting is scheduled for Wednesday, September 16, 2015 at 5:30 P.M. at the Centre County Emergency Management Agency, Emergency Operations Center, Room 09, 420 Holmes Street, Sellersville, PA 18033. All interested parties from the community are invited to attend this meeting to review the content of the Draft Hazard Mitigation Plan. Those attending can RSVP at www.pennsylvania.gov. If you have any additional questions, please contact Judy Lee, Centre County EMA Deputy Director at 717-255-6745 or jlee@emcentercounty.gov.

Risk, Summary and Mitigation Solutions Workshop The next Hazard Mitigation Planning Workshop will focus on Centre County's hazard vulnerability and the selection of mitigation actions to reduce or eliminate losses. The workshop will be held on Wednesday, June 17th, at 10:00 A.M. and 1:00 P.M., at the Centre County Emergency Management Agency, Emergency Operations Center, Room 09, 420 Holmes Street, Sellersville, PA 18033. Stakeholders are asked to attend on either for one of the two workshops. To attend, please contact the coordinator by e-mail and verify RSVP if you have any additional questions, please contact Judy Lee, Centre County Operations and Planning Director at 717-255-6745 or jlee@emcentercounty.gov.

Hazard Mitigation Planning Meeting A meeting will be held in conjunction with the Local Hazard Mitigation Planning process on Wednesday, April 15, 2015 at 10:30 P.M. at the Centre County Emergency Management Agency, Emergency Operations Center, Room 09, 420 Holmes Street, Sellersville, PA 18033. Municipal officials and other agency/stakeholder representatives are invited to attend.

Posted: Apr 16, 2015, 11:44 AM by Pennsylvania Emergency Management Agency

Other Outreach Activities
(teleconferences, office hours, other)

Relevant Data and Documents

Data and Document Requests

<p>Data and Document Requests</p> <ul style="list-style-type: none"> ○ Emergency Operations Plan ○ Advance notification to County GIS point-of-contact, of upcoming data requests ○ Photos or other documentation of past occurrences 	<p>Already Located on County / Municipal Websites</p> <ul style="list-style-type: none"> ✓ Comprehensive Plan ✓ Stormwater Management Plan ✓ Model Stormwater Management Ordinance ✓ Subdivision and Land Development Ordinance ✓ Economic Development Strategy ✓ Water Supply Plan ✓ Public Sewer Plan ✓ Regional Tourism Plan ✓ Municipal Waste Management Plan ✓ Natural Heritage Inventory ✓ Greenway, Open Space, and Rural Recreation Plan ✓ Mifflin County School District All-Hazards Plan
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Next Steps and Action Items

- Distribute meeting summary
- Confirm future meeting dates/times/venues
- Distribute link to project website
- Notify County GIS point-of-contact, of upcoming data requests
- Provide EOP and photographs

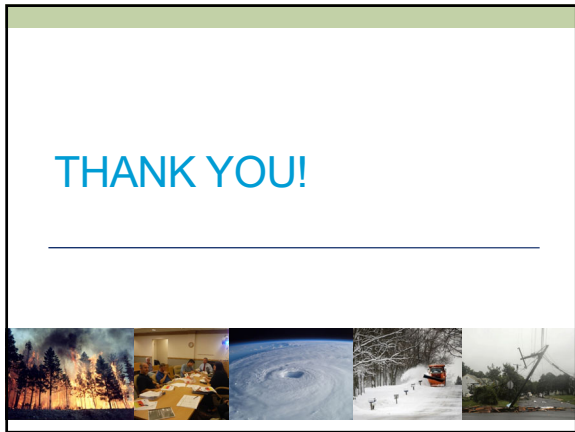


Do you have additional questions or ideas for this project?



Contacts

- William A. Gomes, AICP
Mifflin County Point of Contact
717-242-0887
wgomes@mifflinco.org
- Troy Truax, AICP
Michael Baker Point of Contact
717-213-6241
Troy.Truax@mbakerintl.com



Evaluation of Identified Hazards and Risk

Name: _____

Title: _____

Affiliation: _____

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
<i>Drought</i>		
<i>Extreme Temperature</i>		
<i>Flood, Flash Flood, Ice Jam</i>		
<i>Invasive Species</i>		
<i>Landslide</i>		
<i>Lightning Strike</i>		
<i>Pandemic and Infectious Disease</i>		
<i>Radon Exposure</i>		
<i>Subsidence, Sinkhole</i>		
<i>Tornado, Wind Storm</i>		

Identified Hazards 2014 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	Additional Comments <i>(Please provide an explanation for any hazards marked I or D in this column)</i>
Wildfire		
Winter Storm		
Human-made Hazards		
Civil Disturbance		
Dam Failure		
Drowning		
Environmental Hazards		
Transportation Accidents		
Urban Fire and Explosion		
Utility Interruption		

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Steering Committee Meeting #1
January 15, 2019
4:00 PM – 5:30 PM
Mifflin County Courthouse
20 North Wayne St., Lewistown, PA

Meeting Summary

Meeting attendees are listed as follows:

Member Attendees

- Brenda Aumiller, Armagh Township
- Craig Bubb, Municipal Authority of the Borough of Lewistown
- Rex Fink, Lewistown Borough
- Sharina Harshbarger, Bratton Township
- Bob Henry, Juniata Valley Behavioral & Developmental Services
- Paul Maidens, Mifflin County School District
- Ronald Napikoski, MBA, RRT, RPFT, FACHE, Geisinger-Lewistown Hospital and Derry Township
- Pat Shoop, FAME EMS
- Matt Stringer, McVeytown Borough, Oliver Township, and Bratton Township
- Ann Thompson, Union Township

Others

- Phil Lucas, Mifflin County Office of Public Safety
- William Gomes, Mifflin County Planning & Development Dept.
- Chastity Fultz, Mifflin County Planning & Development Dept.
- Rob Postal, Mifflin County Commissioners
- Troy Truax, Michael Baker Intl.
- Angela Welt, Michael Baker Intl.
- Ernie Szabo, PEMA

The following notes are intended to supplement the meeting presentation.

- This is a multi-jurisdictional hazard mitigation plan (HMP), with Mifflin County Planning and Development Department staff in conjunction with the Mifflin County Office of Public Safety overseeing the update.
- Although Mifflin County is leading the update planning process, the multi-jurisdictional HMP is the responsibility and ownership of each municipality because in Pennsylvania local land use regulation is the under authority and control of local jurisdictions.

- Multi-jurisdictional HMPs are updated every five years. Additionally, the county goes through an annual maintenance process to record completed mitigation actions, new mitigation actions, etc.
- The goal is to have participation from 100% of the municipalities. To be considered an active participant in the process, a municipal representative must attend at least one meeting, complete at least one worksheet, identify at least one mitigation action, and the municipality's governing body must adopt the updated HMP by resolution following receipt of the Federal Emergency Management Agency's (FEMA) written Approval Pending Adoption (APA) letter.
- Some municipalities adopted the 2014 HMP several years after the FEMA issued APA status. The aspiration for this update is for all municipalities to adopt the HMP promptly, at which point FEMA will send a final approval letter to each municipality.
- Grants are only available to those municipalities that have actively participated in the HMP update process and only for a mitigation action that is already listed in the approved HMP.
- As reviewed by Troy Truax, the Pennsylvania Emergency Management Agency (PEMA) *Standard Operating Guide* recognizes four categories of mitigation techniques:
 - **Local plans and regulations** (comprehensive plans, land use ordinances, National Flood Insurance Program, stormwater regulations, etc.)
 - **Structure and infrastructure** (acquisition/elevation of flood prone structures, floodwalls, culverts, detention and retention structures, etc.)
 - **Natural systems protection** (sediment and erosion control, stream corridor restoration, conservation easements, wetland preservation, etc.)
 - **Education and awareness** (websites with maps and information, provision of information/training, NFIP outreach, etc.)
- Bill Gomes has suggested a new mitigation action involving mapping overlay of floodplains and the County's Tax Repository List. These properties are delinquent on taxes and are going to Sheriff Sale. Some of them could potentially be considered blighted properties.
 - This is a good opportunity to integrate the HMP with other plans like the Comprehensive Plan. County Commissioners could use this information to consider starting a Land Bank program authorized under the Pennsylvania Land Bank Act of 2012. The law enables counties and municipalities in Pennsylvania to create land banks, local entities that can hold and manage vacant properties and direct their reuse and redevelopment.
- Ernie Szabo (PEMA) stressed the importance of integrating existing planning mechanisms into the HMP and vice versa. He also believes that it is crucial for

municipalities to work with other public and private entities. Most of those organizations may not be able to adjust their plans concurrent with the HMP update. However, we can try to synchronize the HMP update with their existing plan, invite them to meetings, and ask that they consider the HMP when they next update their own plans.

- Ernie Szabo confirmed that PEMA takes stakeholder feedback very seriously. For example, emergency service providers expressed concerns on the impacts that the state's opioid crisis was having on their services. As a result of this and other grave concerns, the Governor issued a statewide disaster declaration in January 2018 to help combat the state's heroin and opioid overdose epidemic. The declaration provides the necessary tools and resources to enhance response and increase treatment opportunities. Opioid addiction has been added to the 2018 State HMP.
- Meetings will be scheduled in February and April to provide updates on the HMP revisions and to solicit feedback from the Steering Committee, additional stakeholders, and the public. A meeting in July will present the draft HMP to these parties. If needed, there will be additional meetings or open office hours in December with municipal representatives to ensure that all municipal adoption resolutions are signed promptly.
- Ernie Szabo typically recommends allowing 2-3 months for the PEMA and FEMA review process, but the current partial federal government shutdown and furloughed FEMA staff may prolong this process.
- The *Evaluation of Identified Hazards and Risk* worksheet distributed at this meeting will also be sent to the municipalities not in attendance. This feedback will support a determination about which hazard profiles to add or delete for this HMP update.
 - This worksheet is based on personal perception of whether increases or decreases have occurred in recent years in the municipality represented. For example, flooding has increased in many places that were not prone to flooding in the past, sometimes due to stormwater runoff from increased development.
- Ernie Szabo urges municipalities to consider whether there are frequent incidents that cost money but are not severe enough to receive disaster assistance. Ernie encouraged municipalities to consider enhanced damage assessment strategies that would strengthen their abilities to capture a more complete and accurate account of the financial losses and impacts stemming from significant hazard events. Ernie stressed that certain thresholds must be attained before a Presidential Declaration may be declared to provide the necessary federal funding assistance resources to support state and local clean-up and recovery operations.
- Some, but not all of the municipalities in Mifflin County have zoning ordinances in place.

- Likewise, not every municipality in Mifflin County has a stormwater ordinance or an updated stormwater ordinance in place. Phil Lucas (Mifflin County Office of Public Safety) stated that the vast majority of damages from flooding have been from stormwater issues rather than from riverine flooding.
 - None of the municipalities are currently MS4 (Municipal separate storm sewer system), which applies to a certain population threshold and requires specific mitigation strategies. The Environmental Protection Agency is checking waterways for particulates, Nitrogen, and Phosphorus.
 - Mitigation Action example: put a model ordinance in place to incorporate into a subdivision ordinance. Alternatively, do anything to slow down and filter water, like keeping new construction further from waterways. Even though not designated as MS4 now, it would still help with flooding overall and would prepare the municipality if they do become MS4 later.
- Phil Lucas explained that there is a trend in Mifflin County related to the Disorientation hazard profile. For example, a lot more people are buying kayaks, do not understand how local waterway levels rise, and end up drowning. There has been a drastic increase in water rescues in recent years.
 - Likewise, hunters do not take a compass and cannot always use their cell phones to navigate in rural locations.
 - Carbon County mitigated disorientation by installing location markers on a waterfall where tourists frequently become stranded, so that they can pinpoint their location for rescue workers.
- With the project website, comments can be submitted at any time now or throughout the five-year update cycle.

The table on the following page identifies the action items discussed at the meeting.

The meeting adjourned at 5:25 PM.

Responsible Party	Action Item
Troy Truax (Michael Baker Intl.)	<ul style="list-style-type: none"> ➤ Further develop the project website at https://www.pennsylvaniahmp.com/mifflin-county-hmp ➤ Post the Steering Committee Meeting #1 materials to the project website. ➤ Provide the project website address and a brief message that the Steering Committee can use to announce the project website via social media.
Bill Gomes	<ul style="list-style-type: none"> ➤ Distribute the <i>Evaluation of Identified Hazards and Risk</i> worksheet to the municipalities not in attendance. ➤ Distribute the presentation and meeting summary to the Steering Committee. ➤ Distribute the project contact list to the Steering Committee for feedback. ➤ Establish future meeting dates/times.
Phil Lucas	<ul style="list-style-type: none"> ➤ Provide the basic Mifflin County Emergency Operations Plan to Troy Truax. ➤ Share the project website address via the “Mifflin County’s Office of Public Safety’s” Facebook page. Phil Lucas will notify Troy Truax or Bill Gomes of the social media post and responses so that the outreach can be documented in the HMP.
Steering Committee	<ul style="list-style-type: none"> ➤ Provide feedback on the project contact list. ➤ Submit photographs of past occurrences, including date and location, to Troy Truax.

Welt, Angela

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Tuesday, January 22, 2019 11:05 AM
To: Brown Township (btwpmc@gmail.com); Burnham Borough (burnham.borough@comcast.net); Decatur Township (decsec@ymail.com); Lisa Swisher (lisa.swisher@comcast.net); Juniata Terrace Borough (borough@juniataterrace.net); Cindy Hobbs (chmom@hotmail.com); Harold Johnson (hojo@embarqmail.com); Newton Hamilton Borough (laura20v@hotmail.com); Wayne Township (waynetwp1@gmail.com)
Cc: Truax, Troy D; Welt, Angela; Fultz, Chastity; Lucas, Phil
Subject: EXTERNAL: Hazard Mitigation Plan follow-up
Attachments: 20190115 - SC Mtg 1 - Hazard and Risk Worksheet.docx

To: Mifflin County Municipalities (Brown, Burnham, Decatur, Granville, Juniata Terrace, Kistler, Menno, Newton Hamilton and Wayne)
From: Bill Gomes
RE: Participation in the Hazard Mitigation Plan Update
Date: January 22, 2019

Every 5 years Mifflin County must update its Hazard Mitigation Plan. We recently contracted with the firm of Michael Baker International to assist us with this effort. A steering committee composed of municipalities, emergency management services, the school district and other related services were appointed by the County Commissioners and held their initial kick off meeting on January 15, 2019 to review the overall goals of the study and to provide input in the process. A follow-up meeting will be held on **February 12, 2019** at 3:30 p.m. in Room A at the Courthouse and will include all municipalities, but with an effort to insure participation by those municipalities that are not on the steering committee. The goal is to have participation from 100% of the municipalities. As part of the process, the Federal Emergency Management Agency (FEMA) wants to see active participation in the process by all municipalities who need to send a representative to at least one hazard mitigation meeting, complete at least one worksheet and identify at least one mitigation action. Once the plan is complete, FEMA wants assurance that each municipality's governing body has adopted the updated Hazard Mitigation Plan by resolution following receipt of the Federal Emergency Management Agency's (FEMA) written Approval Pending Adoption (APA) letter.

As part of the initial step to insure 100% participation, please complete the attached Hazard Identification & Evaluation Worksheet and return it to the Planning and Development Department office by **January 31, 2019**. You (or a designated municipal official) will be completing this worksheet for your specific municipality and your responses are based on your objective knowledge and understanding of hazards in your locality. The worksheet includes three parts as follows:

PART I: evaluate whether the frequency, magnitude, or geographic area of hazards profiled in your last plan have:

- I = Increased
- D = Decreased
- NC = Not Changed

PART II: which of the hazards not previously covered are now relevant and should be included in the updated HMP?

PART III: provide any other relevant comments or information indicating why a hazard should be profiled

Please feel free to contact our office or our technical consultant Troy Truax at 717-213-6241 with any questions you may have. We appreciate your participation.

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

Risk Assessment and Mitigation Solutions Workshop – February 26, 2019

- Invitation (Stakeholders)
- Invitation (Steering Committee and Municipalities)
- Reminder (Stakeholders)
- Reminder (Steering Committee and Municipalities)
- Notice of Rescheduled Meeting
- Reminder of Rescheduled Meeting
- Agenda
- Sign-In Sheet
- Presentation
- Example Mitigation Actions
- Hazard and Risk Worksheet
- Jurisdictional Risk Assessment
- Mitigation Action Form
- Mitigation Action Progress Report Form
- Meeting Summary

Welt, Angela

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Monday, January 28, 2019 12:25 PM
To: Barb Harer (bharer@southhills.edu); Bill Fike (chief4highland@verizon.net); Brad Kerstetter (bkerstetter@juniataco.org); Chriss Schultz (chriss.schultz@redcross.org); Dnny Prestash (dprestash@state.pa.us); Jane Neff (janeshelterservice@gmail.com); Jennifer Baar (jnbaar@hacc.edu); Josh Bruce (reedsgapsp@pa.gov); Lincoln Kaufman (lkaufman@snydercounty.org); Mark Colussy; Nick Felice (nfelice@mcidc.org); Rhonda Moore (rhondam@juniatarivervalley.org); Robert B. Jacobs; Shawn McLaughlin (smclaughlin@unionco.org)
Cc: Truax, Troy D; Welt, Angela; Fultz, Chastity; Lucas, Phil
Subject: EXTERNAL: Mifflin County Hazard Mitigation Plan meeting

To: Mifflin County Multi-Jurisdictional Hazard Mitigation Plan Stakeholders
From: Bill Gomes
RE: Participation in the Hazard Mitigation Plan Update
Date: January 28, 2019

Mifflin County is spearheading the five-year update to the Mifflin County Multi-Jurisdictional Hazard Mitigation Plan, which serves as the Hazard Mitigation Plan for each of the county's 16 municipalities.

As a key stakeholder to this process, your attendance and participation in a project meeting scheduled for **Tuesday, February 12, 2019, at 3:30 PM** in Room A of the Mifflin County Courthouse in Lewistown is requested to obtain critical involvement from all municipalities and important stakeholders like you.

Please confirm your attendance at the February 12 meeting by completing the following Doodle Poll by Friday, February 1: <https://doodle.com/poll/222ghz2xdxu9uaqh>.

The meeting will be facilitated by Mifflin County's project consultant Michael Baker International and will include members of the project steering committee composed of municipalities, emergency management services, the school district and other related services appointed by the County Commissioners in December 2018. The steering committee held their initial kick off meeting on January 15, 2019 to review the overall goals of the study and to provide input in the process.

The Federal Emergency Management Agency (FEMA) requires state, tribal, and local governments to develop and adopt hazard mitigation plans as a condition for receiving certain types of non-emergency disaster assistance, including funding for mitigation projects. Jurisdictions must update their hazard mitigation plans and re-submit them for FEMA approval every five years to maintain eligibility. Failure to participate in the planning process and adopt the Hazard Mitigation Plan will jeopardize a municipality's ability to receive certain types of non-emergency disaster assistance.

To that end, Mifflin County, the Pennsylvania Emergency Management Agency (PEMA), and FEMA want to achieve active participation in the process by all municipalities and stakeholders by:

- (1) attending at least one hazard mitigation meeting;
- (2) completing at least one hazard mitigation worksheet; and
- (3) identifying at least one hazard mitigation action.

Once the plan is completed, the County, PEMA, and FEMA ultimately want each municipality's governing body to adopt the updated Hazard Mitigation Plan by resolution following FEMA's approval and issuance of its written Approval Pending Adoption (APA).

We appreciate your participation and hope you will be able to attend.

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

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Cc: Fultz, Chastity; Truax, Troy D; Welt, Angela; Lucas, Phil; Szabo, Ernest; Amy Smith (asmith@muasd.org); borough@muboro.net; Bratton Township (brattonoffice@verizon.net); Brown Township (btwpmc@gmail.com); Burnham Borough (burnham.borough@comcast.net); Cindy Hobbs (chmom@hotmail.com); Dave Harmon (ileanharmon@verizon.net); Decatur Township (decsec@ymail.com); Derry Township; Harold Johnson (hojo@embarqmail.com); Juniata Terrace Borough (borough@juniataterrace.net); Lisa Swisher (lisa.swisher@comcast.net); Newton Hamilton Borough (laura20v@hotmail.com); Oliver Township (olivertwpmc@verizon.net); Scott Welham (swelham@lewistownborough.com); Union Township (uniontwpmc@embarqmail.com); Wayne Township (waynetwp1@gmail.com); Dunkle, Stephen; Kodish, Kevin; Postal, Robert
Subject: EXTERNAL: Upcoming Hazard Mitigation Plan meeting
Attachments: 20190115 - SC Mtg 1 - Power point Presentation.pdf; 20190115 - SC Mtg 1 - Meeting Summary.pdf

To: Mifflin County Hazard Mitigation Plan Steering Committee and Mifflin County Municipalities
From: Bill Gomes
RE: Participation in the Hazard Mitigation Plan Update
Date: January 28, 2019

This notice is a follow-up to the Mifflin County Hazard Mitigation Plan Steering Committee and Mifflin County Municipalities of an upcoming meeting to provide additional input from key stakeholders as well as discuss what the consultant team of Michael Baker International has learned to date. As stated previously, Mifflin County is spearheading the five-year update to the Mifflin County Multi-Jurisdictional Hazard Mitigation Plan, which will hopefully serve as the Hazard Mitigation Plan for each of the county's 16 municipalities.

As a key stakeholder to this process, your attendance and participation in a project meeting scheduled for **Tuesday, February 12, 2019, at 3:30 PM** in Room A of the Mifflin County Courthouse in Lewistown is necessary to obtain critical involvement from all municipalities and other public and private stakeholders.

The meeting will be facilitated by Mifflin County's project consultant and will include members of the project steering committee, all municipalities in the county as well as adjoining counties and other service providers that will hopefully enhance the results of this study. A copy of the minutes of the steering committee's initial kick off meeting of January 15, 2019 is also included as well as the PowerPoint presentation for your review.

Mifflin County, the Pennsylvania Emergency Management Agency (PEMA), and Federal Emergency Management Agency (FEMA) want to achieve active participation in the process by all municipalities and stakeholders by:

- (1) attending at least one hazard mitigation meeting;
- (2) completing at least one hazard mitigation worksheet; and
- (3) identifying at least one hazard mitigation action.

Once the plan is completed, the County, PEMA, and FEMA ultimately want each municipality's governing body to adopt the updated Hazard Mitigation Plan by resolution following FEMA's approval and issuance of its

written Approval Pending Adoption (APA) letter to your respective municipality. We appreciate your participation and hope you will be able to attend.

Please confirm your attendance at the February 12 meeting by completing the following Doodle Poll by Friday, February 1: <https://doodle.com/poll/222ghz2xdxu9uaqh>.

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

Welt, Angela

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Friday, February 1, 2019 8:59 AM
To: Barb Harer (bharer@southhills.edu); Bill Fike (chief4highland@verizon.net); Brad Kerstetter (bkerstetter@juniataco.org); Chriss Schultz (chriss.schultz@redcross.org); Dnny Prestash (dprestash@state.pa.us); Jane Neff (janeshelterservice@gmail.com); Jennifer Baar (jnbaar@hacc.edu); Josh Bruce (reedsgapsp@pa.gov); Lincoln Kaufman (lkaufman@snydercounty.org); Mark Colussy; Nick Felice (nfelice@mcidc.org); Rhonda Moore (rhondam@juniatarivervalley.org); Robert B. Jacobs; Shawn McLaughlin (smclaughlin@unionco.org)
Cc: Truax, Troy D; Welt, Angela; Fultz, Chastity; Lucas, Phil
Subject: EXTERNAL: RE: Mifflin County Hazard Mitigation Plan meeting

This is just a friendly remind that would appreciate you letting us know if you can come to the meeting on Feb. 1. Please RSVP to us directly or by the Doodle poll.

Bill

From: Gomes, Bill
Sent: Monday, January 28, 2019 12:25 PM
To: Barb Harer (bharer@southhills.edu); Bill Fike (chief4highland@verizon.net); Brad Kerstetter (bkerstetter@juniataco.org); Chriss Schultz (chriss.schultz@redcross.org); Dnny Prestash (dprestash@state.pa.us); Jane Neff (janeshelterservice@gmail.com); Jennifer Baar (jnbaar@hacc.edu); Josh Bruce (reedsgapsp@pa.gov); Lincoln Kaufman (lkaufman@snydercounty.org); Mark Colussy; Nick Felice (nfelice@mcidc.org); Rhonda Moore (rhondam@juniatarivervalley.org); Robert B. Jacobs; Shawn McLaughlin (smclaughlin@unionco.org)
Cc: Troy Truax (Troy.Truax@mbakerintl.com); Angela Welt (AWelt@mbakerintl.com); Fultz, Chastity; Lucas, Phil
Subject: Mifflin County Hazard Mitigation Plan meeting

To: Mifflin County Multi-Jurisdictional Hazard Mitigation Plan Stakeholders
From: Bill Gomes
RE: Participation in the Hazard Mitigation Plan Update
Date: January 28, 2019

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We appreciate your participation and hope you will be able to attend.

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

Welt, Angela

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Tuesday, February 5, 2019 4:08 PM
To: Ann Thompson (dryhouse2@mac.com); Armagh Township (secretary@armaghtownship.org); Craig Bubb; Lucas, Phil; M. Moore (mmoore@vvrconline.org); Matt Moore (mbm9877@gmail.com); Matt Stringer (stringgo1@icloud.com); mcveytown@verizon.net; Paul Maidens (pjm33@mcsdk12.org); pshoop@fameems.org; Rex Fink (rfink@lewistownborough.com); Robert Henry (BHenry@jvbds.org); Ron Napikoski (renapikoski@geisinger.edu); Sharina Harshbarger (SharinaHarshbarger@gmail.com)
Cc: Fultz, Chastity; Lucas, Phil; Szabo, Ernest; Truax, Troy D; Welt, Angela; Amy Smith (asmith@muasd.org); borough@muboro.net; Bratton Township (brattonoffice@verizon.net); Brown Township (btwpmc@gmail.com); Burnham Borough (burnham.borough@comcast.net); Cindy Hobbs (chmom@hotmail.com); Dave Harmon (ileanharmon@verizon.net); Decatur Township (decsec@ymail.com); Derry Township; Harold Johnson (hojo@embarqmail.com); Juniata Terrace Borough (borough@juniataterrace.net); Lisa Swisher (lisa.swisher@comcast.net); Newton Hamilton Borough (laura20v@hotmail.com); Oliver Township (olivertwpmc@verizon.net); Scott Welham (swelham@lewistownborough.com); Union Township (uniontwpmc@embarqmail.com); Wayne Township (waynetwp1@gmail.com); Barb Harer (bharer@southhills.edu); Bill Fike (chief4highland@verizon.net); Brad Kerstetter (bkerstetter@juniataco.org); Chriss Schultz (chriss.schultz@redcross.org); Dnny Prestash (dprestash@state.pa.us); Jane Neff (janeshelterservice@gmail.com); Jennifer Baar (jnbaar@hacc.edu); Josh Bruce (reedsgaps@pa.gov); Lincoln Kaufman (lkaufman@snydercounty.org); Mark Colussy; Nick Felice (nfelice@mcidc.org); Rhonda Moore (rhondam@juniatarivervalley.org); Robert B. Jacobs; Shawn McLaughlin (smclaughlin@unionco.org); Dunkle, Stephen; Kodish, Kevin; Postal, Robert
Subject: EXTERNAL: Upcoming Mifflin County Hazard Mitigation meeting
Attachments: 20190212 - SC Mtg 2 - Agenda.pdf

To: Mifflin County Hazard Mitigation Plan Steering Committee and Mifflin County Municipalities
From: Bill Gomes
RE: Hazard Mitigation Plan Update meeting
Date: February 5, 2019

Attached you will find a copy of the agenda for the upcoming Mifflin County Hazard Mitigation Steering Committee meeting to be held on **February 12, 2019** at 3:30 p.m. in Room A of the Courthouse. We hope you will be able to come and as an option for those who cannot come there is call in information on the agenda as well as the web link for handouts that will be presented at the meeting. To insure full participation, we have also invited all municipalities that are not part of the committee as well other key stakeholders in the community that may have input in the process. We look forward to seeing you and if you cannot come, please let us know.

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

Welt, Angela

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Tuesday, February 12, 2019 9:15 AM
To: Ann Thompson (dryhouse2@mac.com); Armagh Township (secretary@armaghtownship.org); Craig Bubb; Lucas, Phil; M. Moore (mmoore@vvrconline.org); Matt Moore (mbm9877@gmail.com); Matt Stringer (stringgo1@icloud.com); mcveytown@verizon.net; Paul Maidens (pjm33@mcsdk12.org); pshoop@fameems.org; Rex Fink (rfink@lewistownborough.com); Robert Henry (BHenry@jvbd.org); Ron Napikoski (renapikoski@geisinger.edu); Sharina Harshbarger (SharinaHarshbarger@gmail.com)
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Subject: EXTERNAL: RE: Upcoming Mifflin County Hazard Mitigation meeting

Due to the weather, we will be postponing the Hazard Mitigation Meeting scheduled for 3:30 p.m. today and will reschedule the meeting for **February 26, 2019** at 3:30 p.m. In the next few days, we will be sending you an updated agenda. Please advise us if this date change will work for you.

Bill

From: Gomes, Bill
Sent: Tuesday, February 05, 2019 4:08 PM
To: Ann Thompson (dryhouse2@mac.com); Armagh Township (secretary@armaghtownship.org); Craig Bubb; Lucas, Phil; M. Moore (mmoore@vvrconline.org); Matt Moore (mbm9877@gmail.com); Matt Stringer (stringgo1@icloud.com); mcveytown@verizon.net; Paul Maidens (pjm33@mcsdk12.org); pshoop@fameems.org; Rex Fink (rfink@lewistownborough.com); Robert Henry (BHenry@jvbd.org); Ron Napikoski (renapikoski@geisinger.edu); Sharina Harshbarger (SharinaHarshbarger@gmail.com)
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Kodish, Kevin; Postal, Robert

Subject: Upcoming Mifflin County Hazard Mitigation meeting

To: Mifflin County Hazard Mitigation Plan Steering Committee and Mifflin County Municipalities

From: Bill Gomes

RE: Hazard Mitigation Plan Update meeting

Date: February 5, 2019

Attached you will find a copy of the agenda for the upcoming Mifflin County Hazard Mitigation Steering Committee meeting to be held on **February 12, 2019** at 3:30 p.m. in Room A of the Courthouse. We hope you will be able to come and as an option for those who cannot come there is call in information on the agenda as well as the web link for handouts that will be presented at the meeting. To insure full participation, we have also invited all municipalities that are not part of the committee as well other key stakeholders in the community that may have input in the process. We look forward to seeing you and if you cannot come, please let us know.

William A. Gomes, AICP

Director

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Sent: Tuesday, February 19, 2019 9:52 AM
To: Ann Thompson (dryhouse2@mac.com); Armagh Township (secretary@armaghtownship.org); Craig Bubb; Lucas, Phil; M. Moore (mmoore@vvrconline.org); Matt Moore (mbm9877@gmail.com); Matt Stringer (stringgo1@icloud.com); mcveytown@verizon.net; Paul Maidens (pjm33@mcsdk12.org); pshoop@fameems.org; Rex Fink (rfink@lewistownborough.com); Robert Henry (BHenry@jvbd.org); Ron Napikoski (renapikoski@geisinger.edu); Sharina Harshbarger (SharinaHarshbarger@gmail.com)
Cc: Fultz, Chastity; Lucas, Phil; Szabo, Ernest; Truax, Troy D; Welt, Angela; Amy Smith (asmith@muasd.org); borough@muboro.net; Bratton Township (brattonoffice@verizon.net); Brown Township (btwpmc@gmail.com); Burnham Borough (burnham.borough@comcast.net); Cindy Hobbs (chmom@hotmail.com); Dave Harmon (ileanharmon@verizon.net); Decatur Township (decsec@ymail.com); Derry Township; Harold Johnson (hojo@embarqmail.com); Juniata Terrace Borough (borough@juniataterrace.net); Lisa Swisher (lisa.swisher@comcast.net); Newton Hamilton Borough (laura20v@hotmail.com); Oliver Township (olivertwpmc@verizon.net); Scott Welham (swelham@lewistownborough.com); Union Township (uniontwpmc@embarqmail.com); Wayne Township (waynetwp1@gmail.com); Barb Harer (bharer@southhills.edu); Bill Fike (chief4highland@verizon.net); Brad Kerstetter (bkerstetter@juniataco.org); Chriss Schultz (chriss.schultz@redcross.org); Dnny Prestash (dprestash@state.pa.us); Jane Neff (janeshelterservice@gmail.com); Jennifer Baar (jnbaar@hacc.edu); Josh Bruce (reedsgaps@pa.gov); Lincoln Kaufman (lkaufman@snydercounty.org); Mark Colussy; Nick Felice (nfelice@mcidc.org); Rhonda Moore (rhondam@juniatarivervalley.org); Robert B. Jacobs; Shawn McLaughlin (smclaughlin@unionco.org); Dunkle, Stephen; Kodish, Kevin; Postal, Robert
Subject: EXTERNAL: RE: Upcoming Mifflin County Hazard Mitigation meeting
Attachments: 20190226 - SC Mtg 2 - Agenda.pdf

Please find the updated agenda for the upcoming Hazard Mitigation Plan Update meeting that will be held on **February 26, 2019** at 3:30 p.m. in Room A at the Courthouse. You will also see on the agenda the call in number if you are not able to be here in person and the web link. Hopefully the weather will not be a problem this time. If you cannot come, please let us know.

Bill

From: Gomes, Bill
Sent: Tuesday, February 5, 2019 4:08 PM
To: Ann Thompson (dryhouse2@mac.com) <dryhouse2@mac.com>; Armagh Township (secretary@armaghtownship.org) <secretary@armaghtownship.org>; Craig Bubb <cabubb@hotmail.com>; Lucas, Phil <plucas@mifflinco.org>; M. Moore (mmoore@vvrconline.org) <mmoore@vvrconline.org>; Matt Moore (mbm9877@gmail.com) <mbm9877@gmail.com>; Matt Stringer (stringgo1@icloud.com) <stringgo1@icloud.com>; mcveytown@verizon.net; Paul Maidens (pjm33@mcsdk12.org) <pjm33@mcsdk12.org>; pshoop@fameems.org; Rex Fink (rfink@lewistownborough.com) <rfink@lewistownborough.com>; Robert Henry (BHenry@jvbd.org) <BHenry@jvbd.org>; Ron Napikoski (renapikoski@geisinger.edu) <renapikoski@geisinger.edu>; Sharina Harshbarger (SharinaHarshbarger@gmail.com) <SharinaHarshbarger@gmail.com>
Cc: Fultz, Chastity <cfultz@mifflinco.org>; Lucas, Phil <plucas@mifflinco.org>; Szabo, Ernest <erszabo@pa.gov>; Troy Truax (Troy.Truax@mbakerintl.com) <Troy.Truax@mbakerintl.com>; Angela Welt (AWelt@mbakerintl.com) <AWelt@mbakerintl.com>; Amy Smith (asmith@muasd.org) <asmith@muasd.org>; borough@muboro.net; Bratton Township (brattonoffice@verizon.net) <brattonoffice@verizon.net>; Brown Township (btwpmc@gmail.com) <btwpmc@gmail.com>; Burnham Borough (burnham.borough@comcast.net) <burnham.borough@comcast.net>; Cindy Hobbs (chmom@hotmail.com) <chmom@hotmail.com>; Dave Harmon (ileanharmon@verizon.net) <ileanharmon@verizon.net>; Decatur Township (decsec@ymail.com) <decsec@ymail.com>; Derry Township

<derrytwp@comcast.net>; Harold Johnson (hojo@embarqmail.com) <hojo@embarqmail.com>; Juniata Terrace Borough (borough@juniataterrace.net) <borough@juniataterrace.net>; Lisa Swisher (lisa.swisher@comcast.net) <lisa.swisher@comcast.net>; Newton Hamilton Borough (laura20v@hotmail.com) <laura20v@hotmail.com>; Oliver Township (olivertwpmc@verizon.net) <olivertwpmc@verizon.net>; Scott Welham (swelham@lewistownborough.com) <swelham@lewistownborough.com>; Union Township (uniontwpmc@embarqmail.com) <uniontwpmc@embarqmail.com>; Wayne Township (waynetwp1@gmail.com) <waynetwp1@gmail.com>; Barb Harer (bharer@southhills.edu) <bharer@southhills.edu>; Bill Fike (chief4highland@verizon.net) <chief4highland@verizon.net>; Brad Kerstetter (bkerstetter@juniataco.org) <bkerstetter@juniataco.org>; Chriss Schultz (chriss.schultz@redcross.org) <chriss.schultz@redcross.org>; Dnny Prestash (dprestash@state.pa.us) <dprestash@state.pa.us>; Jane Neff (janeshelterservice@gmail.com) <janeshelterservice@gmail.com>; Jennifer Baar (jnbaar@hacc.edu) <jnbaar@hacc.edu>; Josh Bruce (reedsgapsp@pa.gov) <reedsgapsp@pa.gov>; Lincoln Kaufman (lkaufman@snydercounty.org) <lkaufman@snydercounty.org>; Mark Colussy <mcolussy@huntingdoncounty.net>; Nick Felice (nfelice@mcidc.org) <nfelice@mcidc.org>; Rhonda Moore (rhondam@juniatarivervalley.org) <rhondam@juniatarivervalley.org>; Robert B. Jacobs <RBJACOBS@co.centre.pa.us>; Shawn McLaughlin (smclaughlin@unionco.org) <smclaughlin@unionco.org>; Dunkle, Stephen <sdunkle@mifflinco.org>; Kodish, Kevin <kkodish@mifflinco.org>; Postal, Robert <rpostal@mifflinco.org>

Subject: Upcoming Mifflin County Hazard Mitigation meeting

To: Mifflin County Hazard Mitigation Plan Steering Committee and Mifflin County Municipalities
From: Bill Gomes
RE: Hazard Mitigation Plan Update meeting
Date: February 5, 2019

Attached you will find a copy of the agenda for the upcoming Mifflin County Hazard Mitigation Steering Committee meeting to be held on **February 12, 2019** at 3:30 p.m. in Room A of the Courthouse. We hope you will be able to come and as an option for those who cannot come there is call in information on the agenda as well as the web link for handouts that will be presented at the meeting. To insure full participation, we have also invited all municipalities that are not part of the committee as well other key stakeholders in the community that may have input in the process. We look forward to seeing you and if you cannot come, please let us know.

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

Meeting Agenda
Mifflin County Hazard Mitigation Plan Update
Risk Assessment-Mitigation Solutions Workshop

Date	Tuesday, February 26, 2019
Time	3:30 PM – 5:00 PM
Location	Mifflin County Courthouse, Room A, 20 N. Wayne St. Lewistown, PA Conference Call Participation: Dial-in number: (605) 472-5215 Access code: 387360
Project Website	Meeting materials are available through the project website at https://www.pennsylvaniiahmp.com/mifflin-county-hmp (links to the materials are provided in the meeting announcement on the website homepage)

Purpose: Collect and solicit municipal and stakeholder feedback on hazard risk and mitigation solutions

Topic	Time
1. Sign-in, Welcome, and Introductions	➤ 3:30 PM
2. Hazard Mitigation Plan and Project Overview	➤ 3:35 PM
3. Kickoff Meeting Recap	➤ 3:45 PM
4. Risk Assessment Overview <ul style="list-style-type: none"> ○ Exercise #1: Jurisdictional Risk 	➤ 4:00 PM
5. Mitigation Strategy Overview <ul style="list-style-type: none"> ○ Exercise #2: Mitigation Action Progress Report (status of actions specified in the 2014 HMP) ○ Exercise #3: New Mitigation Action(s) (identification of new actions for the plan update) ○ National Flood Insurance Program Compliance and Capabilities Worksheet (county and municipalities only) 	➤ 4:15 PM
6. Schedule and Meetings	➤ 4:40 PM
7. Next Steps and Action Items	➤ 4:50 PM

Completed forms may be submitted to Angela Welt at:

awelt@mbakerintl.com
 4431 N. Front Street, 2nd Floor
 Harrisburg, PA 17110
 C-43

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan Update Risk Assessment & Mitigation Solutions Workshop

Tuesday, February 26, 2019, 3:30 PM – 5:00 PM

Name	Title	Jurisdiction/ Organization	Telephone	E-Mail Address	Signature
Brenda Aumiller	Secretary and Supervisor	Armagh Township	717-667-6260	secretary@armaghtownship.org	
Craig Bubb	Executive Director	Municipal Authority of the Borough of Lewistown (MABL)	717-248-0165	cabubb@hotmail.com	
Rex Fink	Codes Enforcement Officer	Lewistown Borough	717-242-1145, opt. 2	rfink@lewistownborough.com	
Chastity Fultz	Office/Grants Manager, Planning and Development Department	Mifflin County	717-242-0887	cfultz@mifflinco.org	
William A. Gomes, AICP	Director, Planning and Development Department	Mifflin County	717-242-0887	wgomes@mifflinco.org	
Sharina Harshbarger	Secretary / Treasurer	Bratton Township	814-441-4361	SharinaHarshbarger@gmail.com	
Bob Henry	Mental Health Coordinator	Juniata Valley Behavioral & Developmental Services (JVBDs)	717-242-6467	BHenry@jvbds.org	attended via conference call
Phil Lucas	Director	Mifflin County Office of Public Safety	717-248-9645	plucas@mifflinco.org	
Paul Maidens	Principal	Mifflin County School District (MCSD)	717-242-5801	pjm33@mcsdk12.org	
Matt Moore	IT Support Specialist / Safety Office	Valley View Retirement Community		mbm9877@gmail.com mmoore@vvrconline.org	
Ronald Napikoski, MBA, RRT, RPFT, FACHE	Director, Cardiovascular, Neuro and Pulmonary Emergency Management Coordinator; Township Vice-Chairman	Geisinger-Lewistown Hospital and Derry Township	717-242-7173	renapikoski@geisinger.edu	
Pat Shoop	Chief	FAME EMS	717-248-5553	pshoop@fameems.org	
Matt Stringer	Water, Wastewater Operator, Code Enforcement, Borough Maintenance; Building Maintenance; Water Safety Department	McVeytown Borough, Oliver Township, and Bratton Township	717-899-6323	stringgo1@icloud.com mcveytown@verizon.net	
Ann Thompson	Township Supervisor	Union Township	717-935-2890	dryhouse2@me.com	
Troy Truax, AICP	Technical Manager, Planning Services	Michael Baker Intl.	717-213-6241	Troy.Truax@mbakerintl.com	
Angela Welt	Environmental Project Manager	Michael Baker Intl.	717-221-2040	awelt@mbakerintl.com	
Noah Wise	Supervisor	Burnham Bor	717-248-2692		
Jyl Hayes	Secretary	Burnham Bor	717-248-2692		
Ted Reed	Supervisor	Wayne Twp	717-348-6962		

Name	Title	Jurisdiction/ Organization	Telephone	E-Mail Address	Signature
Kay Hamilton	Brown Twp Supervisor			kayhamilton818@gmail.com	Kay A. Hamilton
Joshua Bruce	Park Manager	DCNR-Reeds Gap Complex	717-667-3022	Reedsgapsr@PA.Gov	Josh Bruce
SCOTT WELHAM	LTN BORO MANAGER		717 994-4361	SWELHAM@LEWISTOWNBOROUGH.COM	Scott Wellam
Chris Schultz	Disaster Prog Mgr	Red Cross	717-224-5256	chris.schultz@redcross.org	Chris Schultz
RET A FINK	Codes Officer	Borough of Lewistown	717-242-1145	rfink@lewistownborough.com	Ret A Fink
ROBERT POSTAL	MC COM.	MC			Robert Postal
BRAD KERSTETTER	JC PLANNING DIRECTOR	JUNIATA Co. PLANNING	717-436-7729	bkerstetter@junataco.org	Brad Kerstetter
Dennis Witkell	VP MCIDC	MCIDC	717-303-3643	dwhitell@mcidc.org	Dennis Witkell
Nick Felice	Pres, CEO	MCIDC	717-242-0393	nifelice@mcidc.org	Nick Felice
Jane Neff	Director	Shelter Services, Inc.		janeshelterservice@gmail.com	attended via conference call

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Hazard Mitigation Plan Update

Mifflin County, PA

Risk Assessment & Mitigation Solutions Workshop
February 26, 2019

Michael Baker INTERNATIONAL **Agenda**

- Welcome
- Hazard Mitigation Plan and Project Overview
- Recap of Kickoff Meeting
- Risk Assessment Overview
- Mitigation Strategy Evaluation
- Schedule and Meetings
- Next Steps and Action Items

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Michael Baker INTERNATIONAL **What is Hazard Mitigation?**

- 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.




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What is a Hazard Mitigation Plan?

- A Hazard Mitigation Plan is a community-driven, living document that communities use to reduce their vulnerability to hazards.
- Counties must have a plan to maintain access to mitigation grants. These grants can augment local mitigation activities already being accomplished and can leverage other funding sources.



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HMP Components



- Introduction
- Community Profile
- Planning Process
- Risk Assessment
- Capability Assessment
- Mitigation Strategy
- Plan Maintenance
- Adoption

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Kickoff Meeting Recap



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What We Covered

- Reviewed 2019 Plan format and process
- Completed Hazard-Risk Assessment Exercise
- Reviewed the Mitigation Techniques and Requirements
- Discussed participation opportunities
- Reviewed the schedule and next steps

What: Steering Committee Kick-off Meeting

When: January 15, 2019

Where: Mifflin County Courthouse

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Hazard-Risk Evaluation

Mifflin County Health and Environmental Hazard Mitigation Plan 2019 Update

Evaluation of Identified Hazards and Risk

Name: _____ Title: _____

Organization: _____

Page 1

Hazard/Risk	Risk Rank (a measure of severity, regardless of hazard and/or population, based on hazard or event) or Risk to the Community	Additional Comments (If appropriate or information to the hazard ranked or Risk to the Community)	Mitigation Options	
			State of Hazard	State of Risk
Driftgill				
Extreme Temperature				
Food, Food, Food, Air				
Foodborne Diseases				
Landslide				
Lightning Strike				
Pipeline and Industrial Hazards				
Public Events				

- Hazard-Risk Evaluation
 - Evaluates the hazards being profiled in the county plan
 - Helps determine jurisdictional risk

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Risk Assessment Overview

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2014 Hazard Identification

<p>Natural Hazards</p> <ul style="list-style-type: none"> ▪ Drought ▪ Extreme Temperature ▪ Flood, Flash Flood, Ice Jam ▪ Invasive Species ▪ Landslide ▪ Lightning Strike ▪ Pandemic and Infectious Disease ▪ Radon Exposure ▪ Subsidence, Sinkhole ▪ Tornado, Wind Storm ▪ Wildfire ▪ Winter Storm 	<p>Human-made Hazards</p> <ul style="list-style-type: none"> ▪ Civil Disturbance ▪ Dam Failure ▪ Drowning ▪ Environmental Hazards ▪ Transportation Accidents ▪ Urban Fire and Explosion ▪ Utility Interruption
--	--

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Assessing Changes in Risk for 2019

- Analyze all hazards that impact the County
- Other possibilities:
 - Earthquake
 - Expansive Soils
 - Hailstorm
 - Hurricane/Tropical Storm
 - Building or Structure Collapse
 - Levee Failure
 - Mass Food/Animal Feed Contamination
 - Nuclear Incidents
 - Terrorism
 - War and Criminal Activity

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Profile Hazards

- 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?

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Mitigation Strategy Components

- Progress Report on 2019 Strategy
- Goals and Objectives
- Mitigation Techniques
- Mitigation Action Plan and Projects



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Defining Goals, Objectives, & Actions

- **Goals:** General guidelines that describe what your community would like to achieve.
- **Objectives:** Define strategies that must be implemented to achieve the identified goal.
- **Actions:** The specific activities a community will take to reduce or eliminate risks.

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Mifflin County 2014 Goals

GOALS

Goal 1: Strengthen County and local capabilities to reduce the potential impact of flooding on existing and future public/partner assets, including structures, critical facilities, and technological hazards

Goal 2: Protect the citizens of Mifflin County as well as public and private property from the impacts of natural and human-caused hazards

Goal 3: Enhance planning and emergency response efforts among state, county, and local emergency management personnel to protect public health and safety

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Mifflin County 2014 Goals

GOALS (continued)

Goal 4: Build Mifflin County's spatial informational resources to strengthen public and private hazard mitigation planning and decision support capabilities


Goal 5: Increase public awareness on both the potential impacts of natural hazards and activities to reduce those hazards

Goal 6: Increase intergovernmental cooperation and build public-private partnerships to implement activities that will reduce the impact of natural, man-made, and technological disasters

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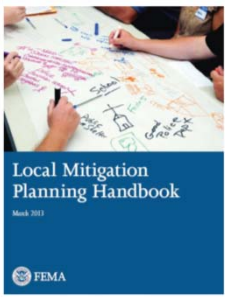
Mitigation Action Plan

Identifies a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard.



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Mitigation Techniques



- Updated FEMA mitigation planning guidance identifies four mitigation techniques:
 - Plans and Regulations
 - Structure and Infrastructure Projects
 - Natural Systems Protection
 - Education and Awareness Programs

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Local Plans and Regulations




- Government authorities, policies, or codes that influence the way land and buildings are developed
- Examples:
 - Limit or restrict development in floodplains
 - Adopt or enforce building codes
 - Amend ordinances to require trailer anchoring
 - Map and assess landslide vulnerability

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Structure and Infrastructure Projects




- Modifying existing structures and infrastructure to remove from a hazard area
- Construction of manmade structures to reduce impacts of hazards
- Examples:
 - Hardening critical facilities
 - Acquisition and Demolition
 - Elevation Projects

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Natural Systems Protection

- 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
 - Riparian buffer
 - Flood and stormwater



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Education and Awareness Programs




- Examples:
 - Real estate disclosures to floodprone properties
 - Water saving education programs
 - Assistance to vulnerable populations
 - Community organization presentations
 - Radio spots

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Mitigation Actions

- 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.

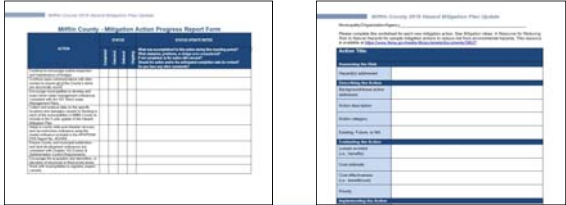


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Exercises 2 and 3: Mitigation Strategy Overview


- **Exercise 2** will allow the county and each municipality to report the progress it has made on mitigation actions from the 2014 HMP, the status of the project, and any relevant notes.
- **Exercise 3** will allow municipalities and stakeholders to suggest the implementation of new mitigation actions.
- A representative from each municipality and the county will also fill out a worksheet about local National Flood Insurance Program compliance and capabilities.



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Michael Baker INTERNATIONAL **Stay Engaged**

- Visit the HMP project website at <https://www.pennsylvaniiahmp.com/mifflin-county-hmp>
- Project updates, meeting minutes, and planning documents will be posted there



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Michael Baker INTERNATIONAL **Next Steps and Action Items**

- Planning Team:**
 - Submit forms by March 12
 - Jurisdictional Risk Assessment Exercise
 - Mitigation Action Progress
 - Mitigation Action
 - Submit at least one Mitigation Action!
- Steering Committee:**
 - Update project website with meeting materials
 - Distribute data requests
 - Mapping, data collection, writing

Next Meeting will be in April (TBD)

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Michael Baker INTERNATIONAL **Schedule and Meetings**

Task	Dates
Full Project Timeline	Now to December 2019
Kick Off Meeting	January 15, 2019
Risk Assessment/Mitigation Solutions	February 26, 2019
Plan Writing	February – July 2019
Draft Plan Review Public Meeting	July 2019
Deliver to PEMA/ FEMA for Review	September - October 2019
Distribute to Municipalities for Adoption	December 2019

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Questions?



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Thank You

Bill Gomes, AICP
Director, Mifflin County Planning and Development Department
(717) 242-0887, wgomes@mifflinco.org

Troy Truax, AICP
Project Manager, Michael Baker International
(717) 213-6241, Troy.Truax@mbakerintl.com



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Municipality/Organization/Agency ___ Penn State University – University Park Campus _____

Action Title: Emergency and Back up Power	
Assessing the Risk	
Hazard(s) addressed	Utility Interruption - Loss of power
Describing the Action	
Background/Issue action addresses	Penn State - University Park Campus has many critical functions that rely on power. It is essential to ensure power is available to provide life safety for the students living on campus. It is also vital to ensure certain research is protected from power losses. Our security systems and communication systems also rely on a power source. The University Park Campus ensures we are able to provide appropriate shelter for our students, thus lessening the burden on the Centre Region. We also have mutual aid agreements that allow us to provide essential/critical services to the Centre Region such as sheltering and feeding, if we are able.
Action description	Penn State recognizes the importance of ensuring power for essential functions. To address this a program has been instituted that ensures for each new building or major remodel the use of the building is evaluated for essential/critical functions. Based on this review, appropriate alternate power is provided for the building or portions of the building as needed.
Action category	Structure/Infrastructure
Existing, Future, or NA	Existing/future
Evaluating the Action	
Losses avoided (i.e., benefits)	By providing alternate power sources for critical/essential functions the University ensure that life safety systems are maintained and the University can continue to meet its missions of education, research, and outreach. This contributes to the economic resiliency and sustainability of the University and the Centre Region.
Cost estimate	Cost is dependent upon the use of the building and critical/essential functions present.
Cost effectiveness (i.e., benefit/cost)	Providing life safety services and being able to recover and sustain the university's mission is difficult to put a number on. Penn State is generally ranked among the top universities for research dollars and our enrollment is critical to the success of the university.
Priority	High
Implementing the Action	
Responsible party	Office of Physical Plant
Potential Partners	Departments and Colleges at the U-Park Campus. The Centre Region for sheltering purposes.
Potential funding sources	Capital funds
Timeline	This is an ongoing practice for the University.
Integration Opportunities (if any)	This effort is integrated into the early design phase for new buildings and major remodels.
Worksheet completed by (name/title)	Pam Soule EM Planner

Action Title: Springfield Road (T-333) Culvert	
Assessing the Risk	
Hazard(s) addressed	Flood, Flash Flood, & Ice Jam
Describing the Action	
Background/Issue action addresses	There is an area along Springfield Road (T-333) that floods during heavy rain events. Stormwater runoff flows down agricultural fields, builds up enough to overflow Springfield Road and crosses into 172 Springfield Road where a resident's well has suffered damage twice in recent years and the home is in danger of damage. We are currently in discussions with surrounding property owners to see how this can be alleviated.
Action description	The township engineer has looked at this, and he suggests a possible way to help this would be installing a culvert under the road and laying pipe back around one or two properties.
Action category	Structural Project Implementation
Existing, future &/or NA	Current - The township is contacting owners of properties where runoff is partially originating to request their cooperation in constructing facilities to control runoff. Future – Install culvert under Springfield Road and redirect runoff
Evaluating the Action	
Losses avoided (i.e., benefits)	Avoid wash out of Springfield Road. Avoid damage to a residence and well.
Cost estimate	\$40,000
Cost effectiveness (i.e., benefit/cost)	Preserves public road structure and public road access worth \$100,000. Preserves value of existing \$170,000 property, so it doesn't become vacant and negatively impact surrounding home values worth in excess of \$500,000.
Priority	Intermediate
Implementing the Action	
Responsible party	North Newton Township
Potential Partners	None known at this time.
Potential funding sources	Municipal General Fund, any available grant monies
Timeline	Dependent upon future flood occurrences.
Integration Opportunities (if any)	None known at this time.
Worksheet completed by (name/title)	Bonnie Myers, North Newton Township Secretary

Evaluation of Identified Hazards and Risk

Name: _____

Title: _____

Affiliation: _____

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
<i>Drought</i>		
<i>Extreme Temperature</i>		
<i>Flood, Flash Flood, Ice Jam</i>		
<i>Invasive Species</i>		
<i>Landslide</i>		
<i>Lightning Strike</i>		
<i>Pandemic and Infectious Disease</i>		
<i>Radon Exposure</i>		
<i>Subsidence, Sinkhole</i>		
<i>Tornado, Wind Storm</i>		

Identified Hazards 2014 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	Additional Comments <i>(Please provide an explanation for any hazards marked I or D in this column)</i>
Wildfire		
Winter Storm		
Human-made Hazards		
Civil Disturbance		
Dam Failure		
Drowning		
Environmental Hazards		
Transportation Accidents		
Urban Fire and Explosion		
Utility Interruption		

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization:	
Name:	

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	
N	Winter Storm	4	2	4	2	2	3.0	
N	Wildfire	3	2	3	4	2	2.7	
N	Radon Exposure	4	2	2	1	4	2.7	
M	Utility Interruption	3	2	2	3	2	2.4	
N	Tornado	2	3	2	4	1	2.4	
N	Pandemic	2	2	3	1	4	2.3	
M	Dam Failure	2	2	2	4	3	2.3	
N	Drought	2	1	4	1	4	2.2	
M	Environmental Hazards	2	2	2	4	2	2.2	
M	Transportation Accidents	4	1	1	4	1	2.2	
M	Urban Fire and Explosion	3	2	1	4	1	2.2	
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	
N	Extreme temperatures	2	1	4	1	1	1.9	
M	Civil Disturbances	1	3	1	3	1	1.8	
N	Invasive Species	2	1	2	1	4	1.8	
N	Landslide	1	2	1	4	1	1.6	
N	Lightning Strike	2	1	1	3	1	1.5	
M	Drowning	1	1	1	4	1	1.3	

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency _____

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title:	
Assessing the Risk	
Hazard(s) addressed	
Describing the Action	
Background/Issue action addresses	
Action description	
Action category	
Existing, Future, or NA	
Evaluating the Action	
Losses avoided (i.e., benefits)	
Cost estimate	
Cost effectiveness (i.e., benefit/cost)	
Priority	
Implementing the Action	
Responsible party	
Potential Partners	
Potential funding sources	
Timeline	
Integration Opportunities (if any)	
Worksheet completed by (name/title)	

Mifflin County - Mitigation Action Progress Report Form

ACTION	STATUS				STATUS UPDATE NOTES
	Completed	Canceled	Deferred	Ongoing	What was accomplished for this action during this reporting period? What obstacles, problems, or delays were encountered? If not completed, is the action still relevant? Should the action and/or the anticipated completion date be revised? Do you have any other comments?
Continue to encourage routine inspection and maintenance of bridges.					
Continue open communications with dam owners to ensure all of the County's dams are structurally sound.					
Encourage municipalities to develop and enact storm water management ordinances consistent with Act 167 Storm water Management Plans.					
Collect and analyze data on the specific locations and damages caused by flooding in each of the municipalities in Mifflin County to include in the 5-year update of the Hazard Mitigation Plan.					
Adopt a county-wide post-disaster recovery and reconstruction ordinance using the model ordinance included in the APA/FEMA PAS Report No. 483/484.					
Ensure County and municipal subdivision and land development ordinances are consistent with Chapter 102 Erosion & Sedimentation Control Requirements.					
Encourage the acquisition and demolition, or elevation of structures in flood prone areas.					
Work with municipalities to regularly inspect culverts.					

Mifflin County 2019 Hazard Mitigation Plan Update

ACTION	STATUS				STATUS UPDATE NOTES
	Completed	Canceled	Deferred	Ongoing	What was accomplished for this action during this reporting period? What obstacles, problems, or delays were encountered? If not completed, is the action still relevant? Should the action and/or the anticipated completion date be revised? Do you have any other comments?
Work with municipalities to create and maintain a County-wide database of streams prone to back-up and flooding.					
Conduct a thorough critical facilities vulnerability assessment and impact analysis using HMP's GIS-based critical infrastructure history.					
Conduct analysis on the future demand for expanded infrastructure and critical facilities in Mifflin County.					
Continue to encourage the development of safety buffers between industrial facilities and the population.					
Encourage and enforce as necessary the requirement of special use permits for hazard-prone areas.					
Continue to encourage the review of planned infrastructure to ensure that it will be developed outside of hazard-prone areas.					
Evaluate and refine the County's repetitive loss structures list by ranking properties based on the number of losses and the value of the claims paid and target the priority properties for buyout opportunities.					
Coordinate with the municipal zoning boards to stop growth in the floodplain.					

Mifflin County 2019 Hazard Mitigation Plan Update

ACTION	STATUS				STATUS UPDATE NOTES
	Completed	Canceled	Deferred	Ongoing	What was accomplished for this action during this reporting period? What obstacles, problems, or delays were encountered? If not completed, is the action still relevant? Should the action and/or the anticipated completion date be revised? Do you have any other comments?
Implement a County Coalition program to staff and fund a full-time county engineer that would be shared by both county and participating municipalities to provide technical reviews and inspections.					
Continue the integration of the 5-year maintenance cycle of the Hazard Mitigation Plan with both the 10-year and biennial review and maintenance cycles of the County Comprehensive Plan and the County Emergency Operations Plan, respectively.					
Update the Mifflin County's Emergency Operations Plan to be consistent with the National Response Plan.					
Continue to encourage multi-jurisdictional exercises and drills.					
Maintain an inventory of equipment used for emergency response					
Maintain a web-based inventory of the County's at-risk populations to strengthen emergency response and evacuations.					
Maintain a list of repetitive loss structures from the Governor's Center for Local Government Service's NFIP Coordinator and incorporate the data into the County Hazard Mitigation Planning Project.					
Continue to work with municipalities to identify and incorporate hazard mitigation project opportunities to include in the 5-year update of the HMP.					

Mifflin County 2019 Hazard Mitigation Plan Update

ACTION	STATUS				STATUS UPDATE NOTES
	Completed	Canceled	Deferred	Ongoing	What was accomplished for this action during this reporting period? What obstacles, problems, or delays were encountered? If not completed, is the action still relevant? Should the action and/or the anticipated completion date be revised? Do you have any other comments?
Collect and analyze data on the specific impacts that all identified hazards have on Mifflin County and its municipalities to include in the 5-year update of the Hazard Mitigation Plan.					
Implement a County-wide electronic damage assessment management tool to increase the efficiency of county and municipal damage survey and reporting.					
Create a GIS dataset of the locations of the SARA facilities in Mifflin County to analyze their vulnerability to potential hazards.					
Review and approve the Mifflin County DFIRM information and incorporate the data into the County GIS.					
Cooperate with local media to produce regular public service announcements or news releases on hazard risk, safety, and the importance of mitigation.					
Continue to disseminate information on the County website for residents that explains the risk of hazards, outlines precautionary measures that can be taken to help reduce impacts of disaster to themselves and their property, and emphasizes the value of hazard mitigation.					
Conduct outreach to municipalities to ensure compliance with NFIP.					

Mifflin County 2019 Hazard Mitigation Plan Update

ACTION	STATUS				STATUS UPDATE NOTES What was accomplished for this action during this reporting period? What obstacles, problems, or delays were encountered? If not completed, is the action still relevant? Should the action and/or the anticipated completion date be revised? Do you have any other comments?
	Completed	Canceled	Deferred	Ongoing	
Develop informational workshops on risk and mitigation for property owners in areas prone to flooding.					
Establish relationships with civic groups to encourage mitigation actions.					
Promote C.E.R.T recruitment and training.					
Continue to include municipal leaders regarding risk, severity, and preparedness tips for seasonal hazards.					
Develop MOUs/MOAs with neighboring counties and jurisdictions regarding information sharing, resource allocation, and COOP locations for use during times of disaster.					
Work with the medical suppliers to develop MOUs/MOAs for use during disasters.					
Work with non-medical suppliers to develop MOUs/MOAs for use during disasters.					
Develop workshops with the Chamber of Commerce emphasizing the importance of Continuity of Operations planning for all businesses.					

Risk Assessment-Mitigation Solutions Workshop

February 26, 2019

3:30 PM – 5:00 PM

Mifflin County Courthouse

20 North Wayne St., Lewistown, PA

Meeting Summary

Meeting attendees are listed as follows:

Steering Committee Attendees

- Brenda Aumiller, Armagh Township
- Craig Bubb, Municipal Authority of the Borough of Lewistown
- Rex Fink, Lewistown Borough
- Sharina Harshbarger, Bratton Township
- Bob Henry, Juniata Valley Behavioral & Developmental Services (attended via conference call)
- Paul Maidens, Mifflin County School District
- Matt Moore, Valley View Retirement Community
- Ronald Napikoski, MBA, RRT, RPFT, FACHE, Geisinger-Lewistown Hospital and Derry Township
- Pat Shoop, FAME EMS
- Matt Stringer, McVeytown Borough, Oliver Township, and Bratton Township

Others

- Joshua Bruce, DCNR – Reeds Gap
- Nick Felice, MCIDC
- Chastity Fultz, Mifflin County Planning & Development Dept.
- William Gomes, Mifflin County Planning & Development Dept.
- Kay Hamilton, Brown Township
- Jyl Hayes, Burnham Borough
- Brad Kerstetter, Juniata County
- Phil Lucas, Mifflin County Office of Public Safety
- Jane Neff, Shelter Services Inc. (attended via conference call)
- Rob Postal, Mifflin County Commissioner
- Ted Reed, Wayne Township
- Chris Schultz, Red Cross
- Troy Truax, Michael Baker Intl.
- Scott Welham, Lewistown Borough
- Angela Welt, Michael Baker Intl.
- Dennis Whitsel, MCIDC
- Noah Wise, Burnham Borough

The following notes are intended to supplement the meeting presentation.

- This is a multi-jurisdictional hazard mitigation plan (HMP), with Mifflin County Planning and Development Department staff in conjunction with the Mifflin County Office of Public Safety overseeing the update.

- Although Mifflin County is leading the update planning process, the multi-jurisdictional HMP is the responsibility and ownership of each municipality because in Pennsylvania local land use regulation is the under authority and control of local jurisdictions.
- Multi-jurisdictional HMPs are updated every five years. Additionally, the county goes through an annual maintenance process to record completed mitigation actions, new mitigation actions, etc.
- Grants are only available to those municipalities that have actively participated in the HMP update process and only for a mitigation action that is already listed in the approved HMP.
- The Hazard-Risk Worksheet was provided to Wayne Township, as they were in attendance and had not yet had a chance to complete the worksheet.
- The Hazard-Risk Worksheet helps to inform a decision on whether some hazard profiles should be added to or deleted from the HMP during the update process.
- As reviewed by Troy Truax, the Pennsylvania Emergency Management Agency (PEMA) *Standard Operating Guide* recognizes four categories of mitigation techniques:
 - **Local plans and regulations** (comprehensive plans, land use ordinances, National Flood Insurance Program, stormwater regulations, etc.)
 - **Structure and infrastructure** (acquisition/elevation of flood prone structures, floodwalls, culverts, detention and retention structures, etc.)
 - **Natural systems protection** (sediment and erosion control, stream corridor restoration, conservation easements, wetland preservation, etc.)
 - **Education and awareness** (websites with maps and information, provision of information/training, NFIP outreach, etc.)
- Each municipality must have at least one mitigation action, and there must be at least one mitigation action for each profiled hazard.
- The New Mitigation Action forms should be completed to whatever level of detail is currently known.
- The goal is to have participation from 100% of the municipalities. To be considered an active participant in the process, a municipal representative must attend at least one meeting, complete at least one worksheet, identify at least one mitigation action, and the municipality's governing body must adopt the updated HMP by resolution following receipt of the Federal Emergency Management Agency's (FEMA) written Approval Pending Adoption (APA) letter.

- Rob Postal commented that cyber security has become a greater concern in recent years.
- Bob Henry inquired about the potential update of the existing database for individuals with special needs in the event of an evacuation. Phil Lucas confirmed that he is considering changing that database to be managed in house rather than by a private consultant. Troy Truax suggested that this be added as a New Mitigation Action, applicable to all municipalities.
- A group meeting, individual meetings, or phone calls will be scheduled in April, as appropriate, to provide updates on the HMP revisions and to solicit feedback from the municipalities not in attendance thus far. A meeting in July will present the draft HMP to the Steering Committee, other stakeholders, and the public. If needed, there will be additional meetings or open office hours in December with municipal representatives to ensure that all municipal adoption resolutions are signed promptly.
- The partial federal government shutdown and furloughed FEMA staff in December-January may delay the HMP approval process.

The table on the following page identifies the action items discussed at the meeting.

The meeting adjourned at 4:35 PM.

Responsible Party	Action Item
Troy Truax	<ul style="list-style-type: none"> ➤ Post the Risk Assessment-Mitigation Solutions Workshop meeting summary to the project website at https://www.pennsylvaniiahmp.com/mifflin-county-hmp. ➤ Provide the Mitigation Action Progress Report Form to Phil Lucas for input.
Bill Gomes	<ul style="list-style-type: none"> ➤ Distribute the presentation and meeting summary to the meeting invitees. ➤ Distribute the NFIP Compliance and Capabilities Worksheet to all of the municipalities in Mifflin County. ➤ Coordinate with the six municipalities which have not yet had an opportunity to participate in a meeting, to determine convenient meeting or phone call dates/times in March-April. ➤ Establish meeting date/time in July for the Steering Committee, other stakeholders, and the public.
Phil Lucas	<ul style="list-style-type: none"> ➤ Consider submitting a New Mitigation Action form, regarding the database of individuals with special needs in the event of an evacuation.
Steering Committee and Stakeholders	<ul style="list-style-type: none"> ➤ Submit photographs of past occurrences, including date and location, to Angela Welt via awelt@mbakerintl.com. ➤ Submit worksheets and New Mitigation Action forms to Angela Welt via awelt@mbakerintl.com, by March 22 if possible.

**Risk Assessment and Mitigation Solutions Discussion: Menno Township –
March 1, 2019**

- Pre-Call Information
- Call Summary
- Call Follow-Up

Welt, Angela

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Thursday, February 28, 2019 11:34 AM
To: John Allison
Cc: Truax, Troy D; Welt, Angela; Fultz, Chastity
Subject: EXTERNAL: Hazard Mitigation call
Attachments: 20190226 - RAMS - Presentation (002).pdf

John,
Please find below the web link for the hazard mitigation plan update that has some information on what has been discussed in the past as well as the call in number for the conference call tomorrow at 2:30. I have also a copy of the PowerPoint that was presented at the February 26 meeting. Please review this material in advance and if you have additional questions, please let me know. We hope to keep this to a 30 minute call.
Bill

<https://www.pennsylvaniahmp.com/mifflin-county-hmp>

Dial: 571-209-6390 (Cisco WebEx)

Access Code: 993 723 828

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

Phone Call Report

To:	John Allison, Supervisor, Menno Township and William A. Gomes, Director, Mifflin County Planning and Development Department
From:	Troy Truax, Senior Associate, Michael Baker International
Date:	March 1, 2019
Time:	2:30 PM to 3:30 PM
Project:	Mifflin County Multi-Jurisdictional Hazard Mitigation Plan Update
Subject:	Risk Assessment & Mitigation Solutions Workshop

Summary:

As representatives from Menno Township were unable to attend the Risk Assessment & Mitigation Solutions Workshop held at the Mifflin County Courthouse on February 26, 2019, Troy Truax proposed a phone call to provide the information to the Township.

In preparation for the call, William Gomes emailed John Allison a copy of the PowerPoint presentation that had been presented at the live meeting, as well as a link to the project website. This email is attached.

Troy Truax presented the same PowerPoint presentation that had been presented at the live meeting. The following notes are intended to supplement the PowerPoint.

- This is a multi-jurisdictional hazard mitigation plan (HMP), with Mifflin County Planning and Development Department staff in conjunction with the Mifflin County Office of Public Safety overseeing the update.
- Multi-jurisdictional HMPs are updated every five years. Additionally, the county goes through an annual maintenance process to record completed mitigation actions, new mitigation actions, etc.
- Grants are only available to those municipalities that have actively participated in the HMP update process and only for a mitigation action that is already listed in the approved HMP.
- The goal is to have participation from 100% of the municipalities. To be considered an active participant in the process, a municipal representative must attend at least one meeting, complete at least one worksheet, identify at least one mitigation action, and the municipality's governing body must adopt the updated HMP by resolution following receipt of the Federal Emergency Management Agency's (FEMA) written Approval Pending Adoption (APA) letter.

- Troy Truax explained the purpose and instructions for each of the provided worksheets.
- As reviewed by Troy Truax, the Pennsylvania Emergency Management Agency (PEMA) *Standard Operating Guide* recognizes four categories of mitigation techniques:
 - **Local plans and regulations** (comprehensive plans, land use ordinances, National Flood Insurance Program, stormwater regulations, etc.)
 - **Structure and infrastructure** (acquisition/elevation of flood prone structures, floodwalls, culverts, detention and retention structures, etc.)
 - **Natural systems protection** (sediment and erosion control, stream corridor restoration, conservation easements, wetland preservation, etc.)
 - **Education and awareness** (websites with maps and information, provision of information/training, NFIP outreach, etc.)
- The partial federal government shutdown and furloughed FEMA staff in December-January may delay the HMP approval process.
- John Allison works for the Department of Conservation and Natural Resources out of Rothrock State Forest. The Emerald Ash Borer and other pests result in a lot of dead trees, and John's biggest concern in Menno Township is wildfire. Troy and John discussed possible mitigation actions related to wildfire.
- [Troy Truax requested that John Allison complete and return the worksheets by March 15, 2019, if possible.](#)

The call adjourned at 3:30 PM.

Following the call, Troy Truax provided the following worksheets to John Allison: Hazard and Risk Worksheet, Jurisdictional Risk Assessment, Mitigation Action Form, and Example Mitigation Actions. This email is attached.

Welt, Angela

From: Truax, Troy D
Sent: Friday, March 1, 2019 3:44 PM
To: jwallison_jr@yahoo.com
Cc: Gomes, Bill; Welt, Angela
Subject: Mifflin County Multi-Jurisdictional HMP
Attachments: Hazard and Risk Worksheet.docx; Jurisdictional Risk Assessment.docx; Mitigation Action Form.docx; Example Mitigation Actions.pdf

Good afternoon, John,

As a follow-up to this afternoon's conference call meeting, I have attached the following worksheets for your completion as discussed:

1. Hazard and Risk Worksheet – per Page 8 of the presentation
2. Jurisdictional Risk Assessment – per Page 14 of the presentation
3. Mitigation Action Form – per page 27 of the presentation (also per our discussion on ways to address Wildfire hazards (as well as Invasive Species) in Menno Twp.)
 - a. Also, I have attached the "Example Mitigation Action" PDF document that provides a example mitigation actions for Centre County and Cumberland County. You can use this to help gauge the types of information used to complete the Mitigation Action Form items.
 - b. Note please complete one worksheet for each project that you want to submit for inclusion in the plan.

Thank you again for your time and participation in today's conference call meeting and please contact me with any questions or comments you may have.

Please submit your completed worksheets to either Bill or me at your earliest convenience. Ideally, we would like to receive these no later than by Friday, March 15, 2019.

Sincerely,

Troy D. Truax, AICP | Senior Associate, Planning Department Manager | Michael Baker International
4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-213-6241 | [M] 717-512-8326
troy.truax@mbakerintl.com | www.mbakerial.com



**Risk Assessment and Mitigation Solutions Discussion: Newton Hamilton Borough –
March 6, 2019**

- Invitation
- Call Summary
- Call Follow-Up

Welt, Angela

From: Truax, Troy D
Sent: Tuesday, March 5, 2019 7:20 AM
To: jutcreitz@yahoo.com
Cc: Gomes, Bill; Fultz, Chastity; Welt, Angela
Subject: RE: EXTERNAL: hazard mitigation plan update
Attachments: Hazard and Risk Worksheet.docx; Jurisdictional Risk Assessment.docx; Mitigation Action Form.docx; Example Mitigation Actions.pdf; NFIP Worksheets - Newton Hamilton.pdf

Categories: Blue Category

Good morning, Justin,

Let's schedule our call for tomorrow, 3/6, at 1 PM and we'll use the following WebEx conference call number:

Dial: 571-209-6390

Access Code: 992 095 219

In preparation for the call, I have attached the following worksheets that we'll discuss in more detail tomorrow:

1. Hazard and Risk Worksheet – per Page 8 of the PowerPoint Presentation that Bill provided to you.
2. Jurisdictional Risk Assessment – per Page 14 of the presentation
3. Mitigation Action Form – per page 27 of the presentation (also per our discussion on ways to address Wildfire hazards (as well as Invasive Species) in Menno Twp.)
 - a. Also, I have attached the "Example Mitigation Action" PDF document that provides a example mitigation actions for Centre County and Cumberland County. You can use this to help gauge the types of information used to complete the Mitigation Action Form items.
 - b. Note please complete one worksheet for each project that you want to submit for inclusion in the plan.
4. NFIP and Capability Worksheet – We'll discuss during the call.

Thank you in advance for your time and assistance and we look forward to speaking with you tomorrow.

Sincerely,

Troy D Truax, AICP | Senior Associate

4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-213-6241 | [M] 717-512=8326

troy.truax@mbakerintl.com | www.mbakerial.com | [f](#) [t](#) [@](#) [in](#) [v](#)

Michael Baker
INTERNATIONAL

From: jutcreitz@yahoo.com <jutcreitz@yahoo.com>
Sent: Monday, March 04, 2019 7:12 PM
To: Truax, Troy D <Troy.Truax@mbakerintl.com>
Subject: Re: EXTERNAL: hazard mitigation plan update

Troy, if possible Wednesday 3/6 or Thursday 3/7 early early afternoon 12-2 would be best for my schedule

Sent from my iPhone

On Mar 4, 2019, at 4:27 PM, Truax, Troy D <Troy.Truax@mbakerintl.com> wrote:

Good afternoon, Bill and Justin.

Justin, per Bill's request, would a time tomorrow (Tuesday, 3/5) suit you to participate in the conference call with me to address your questions that you discussed with Bill this afternoon?

Thank you,

Troy D. Truax, AICP
Michael Baker International, Inc.
O: (717) 213-6241
M: (717) 512-8326

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Monday, March 04, 2019 4:20 PM
To: Truax, Troy D <Troy.Truax@mbakerintl.com>; jutcreitz@yahoo.com
Cc: Fultz, Chastity <cfultz@mifflinco.org>; Welt, Angela <AWelt@mbakerintl.com>
Subject: RE: EXTERNAL: hazard mitigation plan update

Troy,
I was just on the phone with Justin. He wants to set up a conference call. I will be out of town so if you want to do this while I am out, please do so. Please follow-up
Bill

From: Truax, Troy D <Troy.Truax@mbakerintl.com>
Sent: Thursday, February 28, 2019 1:54 PM
To: Gomes, Bill <bgomes@mifflinco.org>; jutcreitz@yahoo.com
Cc: Fultz, Chastity <cfultz@mifflinco.org>; Welt, Angela <AWelt@mbakerintl.com>
Subject: RE: EXTERNAL: hazard mitigation plan update

Good afternoon, Justin,

As a follow-up to Bill's email message, we recommend that we schedule the proposed conference call with you first and then discuss the specific information that we will need from you to support Newton Hamilton's participation in the planning process.

So, please let Bill and I know when you may be available to participate in a 30-minute conference call and we'll schedule accordingly.

Thank you for your time and participation,

Troy D. Truax, AICP | Senior Associate, Planning Department Manager | Michael Baker International
4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-213-6241 | [M] 717-512-8326
troy.truax@mbakerintl.com | www.mbakerial.com



We Make a Difference

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Thursday, February 28, 2019 1:13 PM
To: jutcreitz@yahoo.com
Cc: Truax, Troy D <Troy.Truax@mbakerintl.com>; Fultz, Chastity <cfultz@mifflinco.org>; Welt, Angela <AWelt@mbakerintl.com>
Subject: EXTERNAL: hazard mitigation plan update

Justin,

I appreciate getting to talk with you and have attached a copy of the PowerPoint presentation from the meeting on Wednesday. I have also attached a link on the hazard mitigation process we will be going through to update the hazard mitigation plan. I am also copying Troy Truax who can forward any surveys or forms he might need from you as the emergency management representative for Newton Hamilton. We will also need to set up a time for a conference call so you need to identify dates you might be available. If you have any questions on this, please contact me.

Bill

<https://www.pennsylvaniahmp.com/mifflin-county-hmp>

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

Phone Call Report

To:	Justin Creitz, EMA Coordinator, Newton Hamilton Borough
From:	Troy Truax, Senior Associate, Michael Baker International
Date:	March 6, 2019
Time:	1:00 PM to 1:40 PM
Project:	Mifflin County Multi-Jurisdictional Hazard Mitigation Plan Update
Subject:	Risk Assessment & Mitigation Solutions Workshop

Summary:

As representatives from Newton Hamilton Borough were unable to attend the Risk Assessment & Mitigation Solutions Workshop held at the Mifflin County Courthouse on February 26, 2019, Troy Truax proposed a phone call to provide the information to the Borough.

In preparation for the call, Troy Truax emailed Justin Creitz the following items: Hazard and Risk Worksheet, Jurisdictional Risk Assessment, Mitigation Action Form, Example Mitigation Actions, and the NFIP and Capability Worksheet. This email is attached.

Troy Truax presented the same PowerPoint presentation that had been presented at the live meeting. The following notes are intended to supplement the PowerPoint.

- In addition to serving as the Borough EMA, Justin Creitz is also the local fire company president.
- This is a multi-jurisdictional hazard mitigation plan (HMP), with Mifflin County Planning and Development Department staff in conjunction with the Mifflin County Office of Public Safety overseeing the update.
- Multi-jurisdictional HMPs are updated every five years. Additionally, the county goes through an annual maintenance process to record completed mitigation actions, new mitigation actions, etc.
- The goal is to have participation from 100% of the municipalities. To be considered an active participant in the process, a municipal representative must attend at least one meeting, complete at least one worksheet, identify at least one mitigation action, and the municipality's governing body must adopt the updated HMP by resolution following receipt of the Federal Emergency Management Agency's (FEMA) written Approval Pending Adoption (APA) letter.

- Troy Truax explained the purpose and instructions for each of the provided worksheets.
- As reviewed by Troy Truax, the Pennsylvania Emergency Management Agency (PEMA) *Standard Operating Guide* recognizes four categories of mitigation techniques:
 - **Local plans and regulations** (comprehensive plans, land use ordinances, National Flood Insurance Program, stormwater regulations, etc.)
 - **Structure and infrastructure** (acquisition/elevation of flood prone structures, floodwalls, culverts, detention and retention structures, etc.)
 - **Natural systems protection** (sediment and erosion control, stream corridor restoration, conservation easements, wetland preservation, etc.)
 - **Education and awareness** (websites with maps and information, provision of information/training, NFIP outreach, etc.)
- Troy Truax requested that Justin Creitz complete and return the worksheets by March 29, 2019, if possible.

The call adjourned at 1:40 PM.

Following the phone call, Troy Truax emailed Justin Creitz a copy of the presentation and a link to the project website. This email is attached.

Welt, Angela

From: Truax, Troy D
Sent: Wednesday, March 6, 2019 4:09 PM
To: jutcreitz@yahoo.com
Cc: Gomes, Bill; Fultz, Chastity; Welt, Angela
Subject: RE: EXTERNAL: hazard mitigation plan update
Attachments: 20190226 - RAMS - Presentation.pdf

Categories: Blue Category

Good afternoon, Justin,

As a follow-up to our conference call meeting this afternoon, I have attached a PDF copy of the February 26, 2019 Steering Committee Presentation.

Also, the project website link is <https://www.pennsylvaniahmp.com/mifflin-county-hmp>. A link to the 2014 HMP is specified on the homepage at the bottom.

Again, please let us know if you have any questions and we look forward to receiving your completed worksheets (per the email below) by Friday, March 29, 2019.

Thank you,

Troy D Truax, AICP | Senior Associate
4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-213-6241 | [M] 717-512-8326
troy.truax@mbakerintl.com | www.mbakertnl.com | [f](#) [t](#) [@](#) [in](#) [v](#)



From: Truax, Troy D
Sent: Tuesday, March 05, 2019 7:20 AM
To: 'jutcreitz@yahoo.com' <jutcreitz@yahoo.com>
Cc: 'Gomes, Bill' <bgomes@mifflinco.org>; Fultz, Chastity <cfultz@mifflinco.org>; Welt, Angela <AWelt@mbakerintl.com>
Subject: RE: EXTERNAL: hazard mitigation plan update

Good morning, Justin,

Let's schedule our call for tomorrow, 3/6, at 1 PM and we'll use the following WebEx conference call number:

Dial: 571-209-6390
Access Code: 992 095 219

In preparation for the call, I have attached the following worksheets that we'll discuss in more detail tomorrow:

1. Hazard and Risk Worksheet – per Page 8 of the PowerPoint Presentation that Bill provided to you.
2. Jurisdictional Risk Assessment – per Page 14 of the presentation

3. Mitigation Action Form – per page 27 of the presentation (also per our discussion on ways to address Wildfire hazards (as well as Invasive Species) in Menno Twp.)
 - a. Also, I have attached the “Example Mitigation Action” PDF document that provides a example mitigation actions for Centre County and Cumberland County. You can use this to help gauge the types of information used to complete the Mitigation Action Form items.
 - b. Note please complete one worksheet for each project that you want to submit for inclusion in the plan.
4. NFIP and Capability Worksheet – We’ll discuss during the call.

Thank you in advance for your time and assistance and we look forward to speaking with you tomorrow.

Sincerely,

Troy D Truax, AICP | Senior Associate

4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-213-6241 | [M] 717-512=8326

troy.truax@mbakerintl.com | www.mbakerial.com | [f](#) [t](#) [@](#) [in](#) [v](#)



From: jutcreitz@yahoo.com <jutcreitz@yahoo.com>
Sent: Monday, March 04, 2019 7:12 PM
To: Truax, Troy D <Troy.Truax@mbakerintl.com>
Subject: Re: EXTERNAL: hazard mitigation plan update

Troy, if possible Wednesday 3/6 or Thursday 3/7 early early afternoon 12-2 would be best for my schedule

Sent from my iPhone

On Mar 4, 2019, at 4:27 PM, Truax, Troy D <Troy.Truax@mbakerintl.com> wrote:

Good afternoon, Bill and Justin.

Justin, per Bill’s request, would a time tomorrow (Tuesday, 3/5) suit you to participate in the conference call with me to address your questions that you discussed with Bill this afternoon?

Thank you,

Troy D. Truax, AICP
Michael Baker International, Inc.
O: (717) 213-6241
M: (717) 512-8326

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Monday, March 04, 2019 4:20 PM
To: Truax, Troy D <Troy.Truax@mbakerintl.com>; jutcreitz@yahoo.com
Cc: Fultz, Chastity <cfultz@mifflinco.org>; Welt, Angela <AWelt@mbakerintl.com>
Subject: RE: EXTERNAL: hazard mitigation plan update

Troy,

I was just on the phone with Justin. He wants to set up a conference call. I will be out of town so if you want to do this while I am out, please do so. Please follow-up

Bill

From: Truax, Troy D <Troy.Truax@mbakerintl.com>
Sent: Thursday, February 28, 2019 1:54 PM
To: Gomes, Bill <bgomes@mifflinco.org>; jutcreitz@yahoo.com
Cc: Fultz, Chastity <cfultz@mifflinco.org>; Welt, Angela <AWelt@mbakerintl.com>
Subject: RE: EXTERNAL: hazard mitigation plan update

Good afternoon, Justin,

As a follow-up to Bill's email message, we recommend that we schedule the proposed conference call with you first and then discuss the specific information that we will need from you to support Newton Hamilton's participation in the planning process.

So, please let Bill and I know when you may be available to participate in a 30-minute conference call and we'll schedule accordingly.

Thank you for your time and participation,

Troy D. Truax, AICP | Senior Associate, Planning Department Manager | Michael Baker International
4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-213-6241 | [M] 717-512-8326
troy.truax@mbakerintl.com | www.mbakerial.com



We Make a Difference

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Thursday, February 28, 2019 1:13 PM
To: jutcreitz@yahoo.com
Cc: Truax, Troy D <Troy.Truax@mbakerintl.com>; Fultz, Chastity <cfultz@mifflinco.org>; Welt, Angela <AWelt@mbakerintl.com>
Subject: EXTERNAL: hazard mitigation plan update

Justin,

I appreciate getting to talk with you and have attached a copy of the PowerPoint presentation from the meeting on Wednesday. I have also attached a link on the hazard mitigation process we will be going through to update the hazard mitigation plan. I am also copying Troy Truax who can forward any surveys or forms he might need from you as the emergency management representative for Newton Hamilton. We will also need to set up a time for a conference call so you need to identify dates you might be available. If you have any questions on this, please contact me.

Bill

<https://www.pennsylvaniahmp.com/mifflin-county-hmp>

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044

717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

**Risk Assessment and Mitigation Solutions Discussion: Granville Township, Juniata
Terrace Borough, Decatur Township – April 11, 2019**

- Invitation
- Reminder
- Call Summary
- Call Follow-Up

Welt, Angela

From: Truax, Troy D
Sent: Tuesday, April 2, 2019 3:25 PM
To: mary.herto@comcast.net; chmom@hotmail.com; borough@juniataterrace.net
Cc: Gomes, Bill; Fultz, Chastity; Welt, Angela
Subject: Mifflin County Multi-Jurisdictional Hazard Mitigation Plan Conference Call Meeting
Attachments: 20190226 - RAMS - Presentation.pdf; 20190226 - RAMS - Mitigation Action Form.pdf

Importance: High

Good afternoon,

Michael Baker International (consultant) will be hosting a telephone conference call on **Thursday, April 11, at 3 PM** to discuss the Mifflin County Multi-Jurisdictional Hazard Mitigation Plan project with you on behalf of your respective municipalities.

Please use the following conference call information to join the call.

Dial: 571-209-6390 (Cisco WebEx)
Access Code: 998 588 899

The agenda for the call will be as follows:





1. Welcome, and Introductions
2. Hazard Mitigation Plan and Project Overview
3. Risk Assessment Overview
4. Mitigation Strategy Overview
5. Schedule and Meetings
6. Next Steps and Action Items

Your participation in the meeting is greatly appreciated and it will help fulfill one of the project's participation requirements.

Please review the attached information prior to the meeting and also have these documents available during the conference call.

Please contact me with any questions you may have and thank you in advance for your time and assistance.

Sincerely,

Troy D. Truax, AICP | Senior Associate
4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-213-6241 | [M] 717-512-8326
troy.truax@mbakerintl.com | www.MBakerintl.com    



Welt, Angela

From: Truax, Troy D
Sent: Thursday, April 11, 2019 8:58 AM
To: mary.herto@comcast.net; chmom@hotmail.com; borough@juniataterrace.net
Cc: Gomes, Bill; Fultz, Chastity; Welt, Angela
Subject: RE: Mifflin County Multi-Jurisdictional Hazard Mitigation Plan Conference Call Meeting
Attachments: 20190226 - RAMS - Presentation.pdf; 20190226 - RAMS - Mitigation Action Form.pdf

Good morning,

This is a friendly reminder of our conference call meeting scheduled for this afternoon at 3 PM per the instructions below.

We hope you have the opportunity to become familiar with the two attachments that we will be discussing during the call.

Thank you in advance for your time and participation.

Sincerely,

Troy D. Truax, AICP | Senior Associate

4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-213-6241 | [M] 717-512-8326

troy.truax@mbakerintl.com | www.MBakerintl.com    



From: Truax, Troy D
Sent: Tuesday, April 02, 2019 3:25 PM
To: 'mary.herto@comcast.net' <mary.herto@comcast.net>; 'chmom@hotmail.com' <chmom@hotmail.com>; 'borough@juniataterrace.net' <borough@juniataterrace.net>
Cc: Gomes, Bill <bgomes@mifflinco.org>; Fultz, Chastity <cfultz@mifflinco.org>; Welt, Angela <AWelt@mbakerintl.com>
Subject: Mifflin County Multi-Jurisdictional Hazard Mitigation Plan Conference Call Meeting
Importance: High

Good afternoon,

Michael Baker International (consultant) will be hosting a telephone conference call on **Thursday, April 11, at 3 PM** to discuss the Mifflin County Multi-Jurisdictional Hazard Mitigation Plan project with you on behalf of your respective municipalities.

Please use the following conference call information to join the call.

Dial: 571-209-6390 (Cisco WebEx)

Access Code: 998 588 899

The agenda for the call will be as follows:

1. Welcome, and Introductions
2. Hazard Mitigation Plan and Project Overview
3. Risk Assessment Overview
4. Mitigation Strategy Overview
5. Schedule and Meetings
6. Next Steps and Action Items

Your participation in the meeting is greatly appreciated and it will help fulfill one of the project's participation requirements.

Please review the attached information prior to the meeting and also have these documents available during the conference call.

Please contact me with any questions you may have and thank you in advance for your time and assistance.

Sincerely,

Troy D. Truax, AICP | Senior Associate

4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-213-6241 | [M] 717-512-8326

troy.truax@mbakerintl.com | www.MBakerintl.com     



Phone Call Report

To:	Alex Sheetz, Granville Township John Wagner and Brooke Knable, Juniata Terrace Borough Tim Goss and Paul David, Decatur Township
From:	Troy Truax, Senior Associate, Michael Baker International
Date:	April 11, 2019
Time:	3:00 PM to 3:50 PM
Project:	Mifflin County Multi-Jurisdictional Hazard Mitigation Plan Update
Subject:	Risk Assessment & Mitigation Solutions Workshop

Summary:

As representatives from the participating municipalities were unable to attend the Risk Assessment & Mitigation Solutions Workshop held at the Mifflin County Courthouse on February 26, 2019, Troy Truax proposed a phone call to provide the information.

In preparation for the call, Troy Truax emailed the participants the presentation from the February 26, 2019 meeting as well as the Mitigation Action Form. This email is attached.

Troy Truax presented the same PowerPoint presentation that had been presented at the live meeting. The following notes are intended to supplement the PowerPoint.

- This is a multi-jurisdictional hazard mitigation plan (HMP), with Mifflin County Planning and Development Department staff in conjunction with the Mifflin County Office of Public Safety overseeing the update.
- Multi-jurisdictional HMPs are updated every five years. Additionally, the county goes through an annual maintenance process to record completed mitigation actions, new mitigation actions, etc.
- Federal mitigation grants are only available to those municipalities that have actively participated in the HMP update process and only for a mitigation action that is already listed in the approved HMP.
- As reviewed by Troy Truax, the Pennsylvania Emergency Management Agency (PEMA) *Standard Operating Guide* recognizes four categories of mitigation techniques:
 - **Local plans and regulations** (comprehensive plans, land use ordinances, National Flood Insurance Program, stormwater regulations, etc.)

- **Structure and infrastructure** (acquisition/elevation of flood prone structures, floodwalls, culverts, detention and retention structures, etc.)
- **Natural systems protection** (sediment and erosion control, stream corridor restoration, conservation easements, wetland preservation, etc.)
- **Education and awareness** (websites with maps and information, provision of information/training, NFIP outreach, etc.)
- Troy Truax asked which natural or human-made hazards seemed most impactful in each of the participating communities. Juniata Terrace Borough identified pandemic and infectious disease, Granville Township identified flooding, and Decatur Township identified wind damage and utility interruption.
- Troy Truax explained the purpose and instructions for the provided Mitigation Action Form and then led a discussion about potential mitigation actions for the previously identified hazards.
 - Juniata Terrace Borough:
 - Mayor John Wagner explained that the Borough has many row homes, so an outbreak of flu or other contagious disease could spread very rapidly. Troy Truax explained that the Commonwealth issues pandemic flu plans, and perhaps the Borough could develop their own specific pandemic flu plan.
 - Mayor John Wagner also explained that the Borough is surrounded by Norfolk Southern. With the prevailing winds from the west, the Borough could be susceptible to air-borne contaminants in the event of a train accident involving hazardous materials. Troy Truax explained that the Borough could develop plans to evacuate or to shelter in place. Additionally, the Borough could work with Phil Lucas with the Mifflin County Office of Public Safety and the local emergency planning committee to prepare a hazardous material spill response plan.
 - Mayor John Wagner suggested a mitigation action to update stormwater management systems, thereby mitigating against sinkholes.
 - The Mayor also indicated concerns about wildfire, as there are many downed trees in the Borough.
 - Troy Truax also suggested that urban fire and explosion could be another concern with dense row homes.
 - Granville Township:
 - Troy Truax mentioned potential flooding mitigation action ideas such as bridge upgrades and stream bank restoration.

- Decatur Township:
 - Troy Truax confirmed for Tim Goss that a Mitigation Action could be applied to land owned by the Township.
- Troy Truax confirmed for Mayor John Wagner that questions can be referred to Troy or to Bill Gomes at the Mifflin County Planning and Development Department.
- Troy Truax requested that the call participants complete and return at least one Mitigation Action Form by May 24, 2019.
- The municipality's governing body must adopt the updated HMP by resolution following receipt of the Federal Emergency Management Agency's (FEMA) written Approval Pending Adoption (APA) letter.

The call adjourned at 3:50 PM.

Welt, Angela

From: Truax, Troy D
Sent: Friday, April 12, 2019 12:10 PM
To: mary.herto@comcast.net; borough@juniataterrace.net; gossfamilyfarm@gmail.com
Cc: Gomes, Bill; Fultz, Chastity; Welt, Angela
Subject: RE: Mifflin County Multi-Jurisdictional Hazard Mitigation Plan Conference Call Meeting
Attachments: New Mitigation Action Form.docx; 20190411 - Phone Log - Granville Decatur Juniata (002).pdf

Good afternoon,

Again, thank you for participating in yesterday's conference call meeting.

Attached is a written summary of our notes plus a blank copy of the mitigation action form.

Please have your mitigation action form(s) completed by Friday, May 24, 2019 and please contact me with any questions.

Sincerely,

Troy D. Truax, AICP | Senior Associate

4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-213-6241 | [M] 717-512-8326

troy.truax@mbakerintl.com | www.MBakerintl.com    



From: Truax, Troy D
Sent: Tuesday, April 02, 2019 3:25 PM
To: 'mary.herto@comcast.net' <mary.herto@comcast.net>; 'chmom@hotmail.com' <chmom@hotmail.com>; 'borough@juniataterrace.net' <borough@juniataterrace.net>
Cc: Gomes, Bill <bgomes@mifflinco.org>; Fultz, Chastity <cfultz@mifflinco.org>; Welt, Angela <AWelt@mbakerintl.com>
Subject: Mifflin County Multi-Jurisdictional Hazard Mitigation Plan Conference Call Meeting
Importance: High

Good afternoon,

Michael Baker International (consultant) will be hosting a telephone conference call on **Thursday, April 11, at 3 PM** to discuss the Mifflin County Multi-Jurisdictional Hazard Mitigation Plan project with you on behalf of your respective municipalities.

Please use the following conference call information to join the call.

Dial: 571-209-6390 (Cisco WebEx)

Access Code: 998 588 899

The agenda for the call will be as follows:

1. Welcome, and Introductions
2. Hazard Mitigation Plan and Project Overview
3. Risk Assessment Overview
4. Mitigation Strategy Overview
5. Schedule and Meetings
6. Next Steps and Action Items

Your participation in the meeting is greatly appreciated and it will help fulfill one of the project's participation requirements.

Please review the attached information prior to the meeting and also have these documents available during the conference call.

Please contact me with any questions you may have and thank you in advance for your time and assistance.

Sincerely,

Troy D. Truax, AICP | Senior Associate

4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-213-6241 | [M] 717-512-8326

troy.truax@mbakerintl.com | www.MBakerintl.com     



**Risk Assessment and Mitigation Solutions Discussion: Kistler Borough –
April 23, 2019**

- Invitation
- Reminder
- Call Summary
- Call Follow-Up

Welt, Angela





From: Truax, Troy D
Sent: Wednesday, April 17, 2019 8:19 AM
To: Gomes, Bill
Cc: Cindy Hobbs (chmom@hotmail.com); Welt, Angela; Fultz, Chastity
Subject: RE: EXTERNAL: Kistler participation on Hazard Mitigation Plan update
Attachments: 20190226 - RAMS - Example Mitigation Actions.pdf; 20190226 - RAMS - Mitigation Action Form.pdf; 20190226 - RAMS - Presentation.pdf

Good morning, Bill and Cindy,

Thank you for confirming and I will initiate the call next Tuesday, April 23 at 10 AM.

Cindy, for your reference, we'll use the attachments as the basis of our discussion.

W/regards,

Troy D. Truax, AICP | Senior Associate
4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-213-6241 | [M] 717-512-8326
troy.truax@mbakerintl.com | www.MBakerintl.com    



From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Tuesday, April 16, 2019 4:15 PM
To: Truax, Troy D <Troy.Truax@mbakerintl.com>
Cc: Cindy Hobbs (chmom@hotmail.com) <chmom@hotmail.com>; Welt, Angela <AWelt@mbakerintl.com>; Fultz, Chastity <cfultz@mifflinco.org>
Subject: EXTERNAL: Kistler participation on Hazard Mitigation Plan update

Troy,
As a follow-up to our conversation and the one I had with Cindy Hobbs, she is available for a call concerning the Mifflin County Hazard Mitigation Plan update and participation by Kistler Borough. She has requested that you call her on her cell number (814-644-5079) on Tuesday, April 23 at 10:00 a.m. I believe you said you are okay with this time. I will let you do any further follow-up with this arrangement.
Bill

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

Welt, Angela

From: Truax, Troy D
Sent: Monday, April 22, 2019 3:40 PM
To: Cindy Hobbs (chmom@hotmail.com)
Cc: Welt, Angela; Fultz, Chastity; Gomes, Bill
Subject: RE: EXTERNAL: Kistler participation on Hazard Mitigation Plan update
Attachments: 20190226 - RAMS - Example Mitigation Actions.pdf; 20190226 - RAMS - Mitigation Action Form.pdf; 20190226 - RAMS - Presentation.pdf

Importance: High

Good afternoon, Cindy,

As a reminder, we will be holding our call tomorrow, Tuesday (4/23), at 10 AM.

I, along with my colleague Angela Welt, will initiate the call to you at 814-644-5079.

For your convenience, I have reattached the documents that we will be discussing.

Thank you and we look forward to speaking with you.

Sincerely,

Troy D. Truax, AICP | Senior Associate

4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-213-6241 | [M] 717-512-8326

troy.truax@mbakerintl.com | www.MBakerintl.com    



From: Truax, Troy D
Sent: Wednesday, April 17, 2019 8:19 AM
To: Gomes, Bill <bgomes@mifflinco.org>
Cc: Cindy Hobbs (chmom@hotmail.com) <chmom@hotmail.com>; Welt, Angela <AWelt@mbakerintl.com>; Fultz, Chastity <cfultz@mifflinco.org>
Subject: RE: EXTERNAL: Kistler participation on Hazard Mitigation Plan update

Good morning, Bill and Cindy,

Thank you for confirming and I will initiate the call next Tuesday, April 23 at 10 AM.

Cindy, for your reference, we'll use the attachments as the basis of our discussion.

W/regards,

Troy D. Truax, AICP | Senior Associate

4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-213-6241 | [M] 717-512-8326

troy.truax@mbakerintl.com | www.MBakerintl.com    



From: Gomes, Bill <bgomes@mifflinco.org>

Sent: Tuesday, April 16, 2019 4:15 PM

To: Truax, Troy D <Troy.Truax@mbakerintl.com>

Cc: Cindy Hobbs (chmom@hotmail.com) <chmom@hotmail.com>; Welt, Angela <AWelt@mbakerintl.com>; Fultz, Chastity <cfultz@mifflinco.org>

Subject: EXTERNAL: Kistler participation on Hazard Mitigation Plan update

Troy,

As a follow-up to our conversation and the one I had with Cindy Hobbs, she is available for a call concerning the Mifflin County Hazard Mitigation Plan update and participation by Kistler Borough. She has requested that you call her on her cell number (814-644-5079) on Tuesday, April 23 at 10:00 a.m. I believe you said you are okay with this time. I will let you do any further follow-up with this arrangement.

Bill

William A. Gomes, AICP

Director

Mifflin County Planning and Development Department

20 North Wayne St.

Lewistown, PA 17044

717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

Phone Call Report

To:	Cindy Hobbs, Kistler Borough
From:	Troy Truax, Senior Associate, Michael Baker International
Date:	April 23, 2019
Time:	10:00 AM to 10:30 AM
Project:	Mifflin County Multi-Jurisdictional Hazard Mitigation Plan Update
Subject:	Risk Assessment & Mitigation Solutions Workshop

Summary:

As representatives from Kistler Borough were unable to attend the Risk Assessment & Mitigation Solutions Workshop held at the Mifflin County Courthouse on February 26, 2019, Troy Truax proposed a phone call to provide the information.

In preparation for the call, Troy Truax emailed Cindy Hobbs the presentation from the February 26, 2019 meeting as well as the Mitigation Action Form. This email is attached.

Troy Truax presented the same PowerPoint presentation that had been presented at the live meeting. The following notes are intended to supplement the PowerPoint.

- This is a multi-jurisdictional hazard mitigation plan (HMP), with Mifflin County Planning and Development Department staff in conjunction with the Mifflin County Office of Public Safety overseeing the update.
- The goal is to have participation from 100% of the municipalities. To be considered an active participant in the process, a municipal representative must attend at least one meeting, complete at least one worksheet, identify at least one mitigation action, and the municipality's governing body must adopt the updated HMP by resolution following receipt of the Federal Emergency Management Agency's (FEMA) written Approval Pending Adoption (APA) letter.
- Troy Truax explained the purpose for the provided Mitigation Action Form, thanked Cindy Hobbs for providing one new action, and encouraged her to provide any additional actions that she may think of during or after the call. For example, she may want to consider an action related to the Raystown Lake Dam, given that Kistler Borough is in the dam's flood inundation area.
- Federal mitigation grants are only available to those municipalities that have actively participated in the HMP update process and only for a mitigation action that is already listed in the approved HMP.

- Multi-jurisdictional HMPs are updated every five years. Additionally, the county goes through an annual maintenance process to record completed mitigation actions, new mitigation actions, etc.
- As reviewed by Troy Truax, the Pennsylvania Emergency Management Agency (PEMA) *Standard Operating Guide* recognizes four categories of mitigation techniques:
 - **Local plans and regulations** (comprehensive plans, land use ordinances, National Flood Insurance Program, stormwater regulations, etc.)
 - **Structure and infrastructure** (acquisition/elevation of flood prone structures, floodwalls, culverts, detention and retention structures, etc.)
 - **Natural systems protection** (sediment and erosion control, stream corridor restoration, conservation easements, wetland preservation, etc.)
 - **Education and awareness** (websites with maps and information, provision of information/training, NFIP outreach, etc.)
- The municipality's governing body must adopt the updated HMP by resolution following receipt of the Federal Emergency Management Agency's (FEMA) written Approval Pending Adoption (APA) letter.
- Troy Truax requested that Cindy Hobbs complete any additional Mitigation Action Forms by May 24, 2019.

The call adjourned at 10:30 AM.

Welt, Angela

From: Truax, Troy D
Sent: Tuesday, April 23, 2019 10:54 AM
To: Cindy Hobbs (chmom@hotmail.com)
Cc: Gomes, Bill; Fultz, Chastity; Welt, Angela
Subject: FW: Mifflin HMP - Kistler Borough Conference Call Meeting
Attachments: 20190423 - Phone Log - Kistler.docx






Hi, Cindy,

Again, thank you for your time and participation in this morning's conference call and attached for your records is a summary of our conversation.

Please don't hesitate to contact Bill or me with any questions you may have including those related to the possible additional mitigation action ideas that we discussed.





Please complete and submit an action form for any new project to us by Friday, May 24, 2019.

Sincerely,

Troy D. Truax, AICP | Senior Associate
4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-213-6241 | [M] 717-512-8326
troy.truax@mbakerintl.com | www.MBakerintl.com     



From: Welt, Angela
Sent: Tuesday, April 23, 2019 10:39 AM
To: Truax, Troy D <Troy.Truax@mbakerintl.com>
Subject: Mifflin HMP

 **Angela Bard Welt** | Project Manager - Environmental
4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-221-2040
awelt@mbakerintl.com | www.mbakerial.com |     

Plan Review Meeting – August 6, 2019

- Invitation to Scheduling Poll
- Invitation to Steering Committee
- Public Notice Proof of Publication
- Public Notice on Project Website
- Public Notice on Facebook
- Reminder to Steering Committee
- Invitation to Municipalities
- Agenda
- Sign-In Sheet
- Presentation
- Meeting Summary
- Email: CDs Mailed to Municipalities
- Follow Up Email to Steering Committee

Welt, Angela

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Monday, June 10, 2019 10:16 AM
To: Ann Thompson (dryhouse2@mac.com); Armagh Township (secretary@armaghtownship.org); Craig Bubb; Lucas, Phil; M. Moore (mmoore@vvrconline.org); Matt Moore (mbm9877@gmail.com); Matt Stringer (stringgo1@icloud.com); mcveytown@verizon.net; Paul Maidens (pjm33@mcsdk12.org); pshoop@fameems.org; Rex Fink (rfink@lewistownborough.com); Robert Henry (BHenry@jvbd.org); Ron Napikoski (renapikoski@geisinger.edu); Sharina Harshbarger (SharinaHarshbarger@gmail.com)
Cc: Truax, Troy D; Welt, Angela; Fultz, Chastity; Lucas, Phil; Szabo, Ernest; Amy Smith (asmith@muasd.org); borough@muboro.net; Bratton Township (brattonoffice@verizon.net); Brown Township (btwpmc@gmail.com); Burnham Borough (burnham.borough@comcast.net); Cindy Hobbs (chmom@hotmail.com); Dave Harmon (ileanharmon@verizon.net); Decatur Township (decsec@ymail.com); Derry Township; Dianna Walter (dwalter@lewistownborough.com); Harold Johnson (hojo@embarqmail.com); Juniata Terrace Borough (borough@juniataterrace.net); Mary Herto (mary.herto@comcast.net); Newton Hamilton Borough (laura20v@hotmail.com); Oliver Township (olivertwpmc@verizon.net); Union Township (uniontwpmc@embarqmail.com); Wayne Township (waynetwp1@gmail.com)
Subject: EXTERNAL: Proposed Hazard Mitigation Meeting in August

To: Mifflin County Hazard Mitigation Plan Steering Committee
From: Bill Gomes
RE: Steering Committee Meeting #3 and Public Meeting Scheduling
Date: June 10, 2019

The Draft Mifflin County Multi-jurisdictional Hazard Mitigation Plan is in the final stages of development and we are planning to schedule the next Steering Committee meeting for the first week in August 2019.

Please respond to the following Doodle Poll to confirm your availability to attend the meeting on any of the proposed dates, August 5 – 7 (Mon – Wed) from 3:30 – 4:30 PM at the County Courthouse.

<https://doodle.com/poll/6grefp59iaytrcdw>

The Steering Committee meeting will be a publicly advertised meeting to present the Draft Multi-jurisdictional Hazard Mitigation Plan and receive comments.

The revised Draft Multi-jurisdictional Hazard Mitigation Plan will then be submitted to PEMA and FEMA for their respective reviews, and for FEMA's formal approval by the end of this calendar year.

We appreciate your prompt response to the Doodle Poll by 4:00 p.m. on June 17, 2019. If you have any questions, please contact me or Troy Truax, our consultant, at Troy.Truax@mbakerintl.com.

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044

717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

Welt, Angela

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Tuesday, July 2, 2019 4:31 PM
To: Ann Thompson (dryhouse2@mac.com); Armagh Township (secretary@armaghtownship.org); Craig Bubb; Lucas, Phil; M. Moore (mmoore@vvrconline.org); Matt Moore (mbm9877@gmail.com); Matt Stringer (stringgo1@icloud.com); mcveytown@verizon.net; Paul Maidens (pjm33@mcsdk12.org); pshoop@fameems.org; Rex Fink (rfink@lewistownborough.com); Robert Henry (BHenry@jvbd.org); Ron Napikoski (renapikoski@geisinger.edu); Sharina Harshbarger (SharinaHarshbarger@gmail.com)
Cc: Truax, Troy D; Welt, Angela; Fultz, Chastity
Subject: EXTERNAL: Hazard Mitigation meeting

To: Mifflin County Hazard Mitigation Plan Steering Committee
From: Bill Gomes
RE: Hazard Mitigation Plan Update Final Meeting
Date: July 3, 2019

The final public meeting to review the proposed Mifflin County Multi-Jurisdictional Hazard Mitigation Plan has been scheduled for **Tuesday, August 6, 2019 from 3:30-5:00 p.m.** The meeting will be at the County Courthouse in Room B. Please place this meeting on your calendar to attend.

The final draft of the Mifflin County Multi-Jurisdictional Hazard Mitigation Plan will be submitted to you around July 30, 2019 on a CD-ROM so you will have time to review it prior to the public meeting. If you would prefer a thumb drive version, please let me know by July 10. This meeting will be facilitated by Troy Truax of Michael Baker International, who has served as the project consultant.

As part of the review process, a 30 day public comment period of the Draft Plan will take place from July 30 – August 30, 2019. Interested persons may download and review an electronic version as of July 30th of the Draft Plan at <https://www.pennsylvaniahmp.com/mifflin-county-hmp>.

On behalf of the County Commissioners, I want to express our appreciation for your willingness to serve on the committee and provide input into the final document. If you have any questions, please contact me prior to the upcoming meeting on August 6, 2019.

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

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THE SENTINEL

352 Sixth Street, Lewistown, PA 17044
717-248-6741 FAX 717-248-3481

STATE OF PENNSYLVANIA
COUNTY OF MIFFLIN: ss

Matthew Bolich personally appeared before me a Notary Public in and for said County and State. Matthew Bolich, who being duly sworn according to law, doth depose and say that he is the Advertising Director of The Lewistown Sentinel, a daily newspaper of general circulation, established in 1903, and published every week day at 352 Sixth Street, Lewistown, Pennsylvania. The advertisement was inserted in the regular issue of said publication, July 17, 2019, and the affiant has no interest in the subject matter of said advertisement and that all facts set forth in the statement are true and correct.



Sworn to and subscribed before me

This 18 day of July 2019



Commonwealth of Pennsylvania - Notary Seal
Sue Kline, Notary Public
Mifflin County
My commission expires February 18, 2022
Commission number 1328015
Member, Pennsylvania Association of Notaries

PUBLIC NOTICE
Notice is hereby given that the Mifflin County Planning and Development Department intends to hold a public meeting on August 6, 2019, from 3:30-5:00 PM to review the Draft Mifflin County Multi-jurisdictional Hazard Mitigation Plan (MHMP). The meeting will be held in Conference Room B at the Mifflin County Courthouse located at 20 N. Wayne Street, Lewistown, PA 17044. The MHMP outlines the hazards that can affect Mifflin County and its municipalities, and the actions that can be taken to reduce the impact of these hazards upon the various communities and the county. Questions about the meeting or the MHMP, or information that the public would like to be considered for inclusion in the MHMP, may be directed to William A. Gomes, AICP, Director of the Mifflin County Planning and Development Department, at 717-242-0887, or via email to wgomes@mifflinco.org. Interested persons may download and review an electronic copy of the Draft Plan at <https://www.pennsylvaniabhmp.com/mifflin-county-hmp> starting on July 30, 2019 and concluding on August 30, 2019. All comments should be submitted in writing to William A. Gomes, AICP by email at wgomes@mifflinco.org or U.S. Mail at 20 N. Wayne Street, Lewistown, PA 17044.

Mifflin County HMP

Mifflin County HMP Calendar

Today ◀ ▶ August 2019 ▼ Week Month Agenda ▼

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	Aug 1	2	3
4	5	6 3:30pm Mifflin	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

+ GoogleCalendar

Announcements

The Mifflin County Planning and Development Department intends to hold a planning session on August 6, 2019, from 3:30 – 5:00 PM to review the Draft Mifflin County Multi-Jurisdictional Hazard Mitigation Plan. The planning session will be held in Room B of the Mifflin County Courthouse at 20 North Wayne St., Lewistown, PA, and will be open to the public.

Another meeting focusing on the participation of municipalities in the county, public stakeholders, and private stakeholders was held on February 26, 2019 at 3:30 PM. The agenda, presentation, and worksheets from the meeting can be viewed and downloaded in [Planning Documents](#).

About the Project



Planning Documents



C-109

2014 Mifflin County HMP



Resource Links



**Mifflin County 9-1-1**

July 3 at 11:10 AM ·

**PUBLIC NOTICE**

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Write a comment...



C-110



Welt, Angela

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Tuesday, July 30, 2019 10:48 AM
To: Ann Thompson (dryhouse2@mac.com); Armagh Township (secretary@armaghtownship.org); Craig Bubb; Lucas, Phil; M. Moore (mmoore@vvrconline.org); Matt Moore (mbm9877@gmail.com); Matt Stringer (stringgo1@icloud.com); mcveytown@verizon.net; Paul Maidens (pjm33@mcsdk12.org); pshoop@fameems.org; Rex Fink (rfink@lewistownborough.com); Robert Henry (BHenry@jvbd.org); Ron Napikoski (renapikoski@geisinger.edu); Sharina Harshbarger (SharinaHarshbarger@gmail.com)
Cc: Truax, Troy D; Welt, Angela; Fultz, Chastity; Brought, Tiffany; Dunkle, Stephen; Kodish, Kevin; Postal, Robert
Subject: EXTERNAL: RE: Hazard Mitigation meeting

This is a reminder to the steering committee about the upcoming Mifflin County Multi-Jurisdictional Hazard Mitigation Plan meeting on **August 6, 2019** at 3:30 p.m. in Room B here at the Courthouse. A public notice advertising this meeting was placed in the Lewistown Sentinel on July 17, 2019. In preparation for this meeting, the draft plan will be available for your review after 3:30 p.m. today on the hazard mitigation plan web site: <https://www.pennsylvaniiahmp.com/mifflin-county-hmp>. For those of you that would like a CD-ROM version of the final draft of the plan they will be available at the August 6th meeting. This will still allow time for your review since the deadline for comments is August 30, 2019.

We hope all of you will be able to attend this meeting, but if you cannot come, please let me know. Also, if you have any questions, please contact me.
Bill

From: Gomes, Bill
Sent: Tuesday, July 2, 2019 4:31 PM
To: Ann Thompson (dryhouse2@mac.com) <dryhouse2@mac.com>; Armagh Township (secretary@armaghtownship.org) <secretary@armaghtownship.org>; Craig Bubb <cabubb@hotmail.com>; Lucas, Phil <plucas@mifflinco.org>; M. Moore (mmoore@vvrconline.org) <mmoore@vvrconline.org>; Matt Moore (mbm9877@gmail.com) <mbm9877@gmail.com>; Matt Stringer (stringgo1@icloud.com) <stringgo1@icloud.com>; mcveytown@verizon.net; Paul Maidens (pjm33@mcsdk12.org) <pjm33@mcsdk12.org>; pshoop@fameems.org; Rex Fink (rfink@lewistownborough.com) <rfink@lewistownborough.com>; Robert Henry (BHenry@jvbd.org) <BHenry@jvbd.org>; Ron Napikoski (renapikoski@geisinger.edu) <renapikoski@geisinger.edu>; Sharina Harshbarger (SharinaHarshbarger@gmail.com) <SharinaHarshbarger@gmail.com>
Cc: Troy Truax (Troy.Truax@mbakerintl.com) <Troy.Truax@mbakerintl.com>; Angela Welt (AWelt@mbakerintl.com) <AWelt@mbakerintl.com>; Fultz, Chastity <cfultz@mifflinco.org>
Subject: Hazard Mitigation meeting

To: Mifflin County Hazard Mitigation Plan Steering Committee
From: Bill Gomes
RE: Hazard Mitigation Plan Update Final Meeting
Date: July 3, 2019

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As part of the review process, a 30 day public comment period of the Draft Plan will take place from July 30 – August 30, 2019. Interested persons may download and review an electronic version as of July 30th of the Draft Plan at <https://www.pennsylvaniiahmp.com/mifflin-county-hmp>.

On behalf of the County Commissioners, I want to express our appreciation for your willingness to serve on the committee and provide input into the final document. If you have any questions, please contact me prior to the upcoming meeting on August 6, 2019.

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

Welt, Angela

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Tuesday, July 30, 2019 11:51 AM
To: Amy Smith (asmith@muasd.org); Armagh Township (secretary@armaghtownship.org); borough@muboro.net; Bratton Township (brattonoffice@verizon.net); Brown Township (btwpmc@gmail.com); Burnham Borough (burnham.borough@comcast.net); Cindy Hobbs (chmom@hotmail.com); Dave Harmon (ileanharmon@verizon.net); Decatur Township (decsec@ymail.com); Derry Township; Dianna Walter (dwalter@lewistownborough.com); Harold Johnson (hojo@embarqmail.com); Juniata Terrace Borough (borough@juniataterrace.net); Mary Herto (mary.herto@comcast.net); mcveytown@verizon.net; Newton Hamilton Borough (laura20v@hotmail.com); Oliver Township (olivertwpmc@verizon.net); Union Township (uniontwpmc@embarqmail.com); Wayne Township (waynetwp1@gmail.com)
Cc: Brought, Tiffany; Truax, Troy D; Welt, Angela
Subject: EXTERNAL: Draft Hazard Mitigation Plan and upcoming meeting

To: Mifflin County Municipalities
From: Bill Gomes
RE: Hazard Mitigation Plan Update Final Meeting
Date: July 30, 2019

The Hazard Mitigation Plan Steering Committee will be holding a public meeting to review the final draft of the Mifflin County Multi-Jurisdictional Hazard Mitigation Plan on **Tuesday, August 6, 2019 from 3:30-5:00 p.m.** The meeting will be held at the County Courthouse in Room B. You are more than welcome to attend.

The final draft of the Mifflin County Multi-Jurisdictional Hazard Mitigation Plan will be available for review at the hazard mitigation plan web site: <https://www.pennsylvaniiahmp.com/mifflin-county-hmp>, beginning at 3:30 p.m. today. This notice is part of the 30 review process of the Draft Plan from July 30 – August 30, 2019. A CD – ROM version will be available to you if you would prefer and can be mailed out in the next few days or available at the August 6 meeting. Please let us know if you want a CD copy mailed, or will be picking up a copy up at the upcoming public meeting. This meeting will be facilitated by Troy Truax of Michael Baker International, who has served as the project consultant.

If you have any questions, please contact me prior to the upcoming meeting.

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

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Meeting Agenda
Draft Plan Review Meeting

Purpose: to review the Draft Mifflin County MJHMP

Date	Tuesday, August 6, 2019
Time	3:30 PM – 5:00 PM
Location	Mifflin County Courthouse, Room B, 20 N. Wayne St. Lewistown, PA
Project Website	Meeting materials and the Draft MJHMP are available through the project website at https://www.pennsylvaniahmp.com/mifflin-county-hmp

Topic

1. Sign-in, Welcome, and Introductions
2. Multi-Jurisdictional Hazard Mitigation Plan and Project Overview
3. Community Profile
4. Planning Process
5. Risk Assessment Summary
6. Capability Assessment Overview
7. Plan Integration
8. Mitigation Strategy Summary
9. Municipal Participation
10. Plan Maintenance
11. Schedule
12. Next Steps and Action Items

Questions and comments may be submitted to:

Bill Gomes, AICP
Director, Mifflin County Planning and Development Department
(717) 242-0887, wgomes@mifflinco.org

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan Update Draft Plan Review Meeting

Tuesday, August 6, 2019, 3:30 PM – 5:00 PM

Name	Title	Jurisdiction/ Organization	Telephone	E-Mail Address	Signature
Brenda Aumiller	Secretary and Supervisor	Armagh Township	717-667-6260	secretary@armaghtownship.org	
Craig Bubb	Executive Director	Municipal Authority of the Borough of Lewistown (MABL)	717-248-0165	cabubb@hotmail.com	
Rex Fink	Codes Enforcement Officer	Lewistown Borough	717-242-1145, opt. 2	rfink@lewistownborough.com	
Chastity Fultz	Office/Grants Manager, Planning and Development Department	Mifflin County	717-242-0887	cfultz@mifflinco.org	
William A. Gomes, AICP	Director, Planning and Development Department	Mifflin County	717-242-0887	wgomes@mifflinco.org	
Sharina Harshbarger	Secretary / Treasurer	Bratton Township	814-441-4361	SharinaHarshbarger@gmail.com	
Bob Henry	Mental Health Coordinator	Juniata Valley Behavioral & Developmental Services (JVBDs)	717-242-6467	BHenry@jvbd.org	
Phil Lucas	Director	Mifflin County Office of Public Safety	717-248-9645	plucas@mifflinco.org	
Paul Maidens	Principal	Mifflin County School District (MCSD)	717-242-5801	pjm33@mcsdk12.org	
Matt Moore	IT Support Specialist / Safety Office	Valley View Retirement Community		mbm9877@gmail.com mmoore@vvrconline.org	
Ronald Napikoski, MBA, RRT, RPFT, FACHE	Director, Cardiovascular, Neuro and Pulmonary Emergency Management Coordinator; Township Vice-Chairman	Geisinger-Lewistown Hospital and Derry Township	717-242-7173	renapikoski@geisinger.edu	
Pat Shoop	Chief	FAME EMS	717-248-5553	pshoop@fameems.org	
Matt Stringer	Water, Wastewater Operator, Code Enforcement, Borough Maintenance; Building Maintenance; Water Safety Department	McVeytown Borough, Oliver Township, and Bratton Township	717-899-6323	stringgo1@icloud.com mcveytown@verizon.net	
Ann Thompson	Township Supervisor	Union Township	717-935-2890	dryhouse2@me.com	
Troy Truax, AICP	Technical Manager, Planning Services	Michael Baker Intl.	717-213-6241	Troy.Truax@mbakerintl.com	
Angela Welt	Environmental Project Manager	Michael Baker Intl.	717-221-2040	awelt@mbakerintl.com	
		Brown Township			
	Commissioner	Mifflin County Commissioner			

Michael Baker

INTERNATIONAL

We Make a Difference



DRAFT Multi-Jurisdictional Hazard Mitigation Plan Update Mifflin County, PA

Public Meeting | Steering Committee Meeting #3

August 6, 2019



- Multi-Jurisdictional Hazard Mitigation Plan and Project Overview
- Community Profile
- Planning Process
- Risk Assessment Summary
- Capability Assessment Overview
- Plan Integration
- Mitigation Strategy Summary
- Municipal Participation
- Plan Maintenance
- Schedule
- Next Steps and Action Items

- Mifflin County has been working to update its MJHMP since November 2018.
- Municipal and County officials, and other stakeholders have participated in meetings from January to August.
- Today, the public and other stakeholders are invited to learn more about the plan and its process.

What is Hazard Mitigation?

- 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.

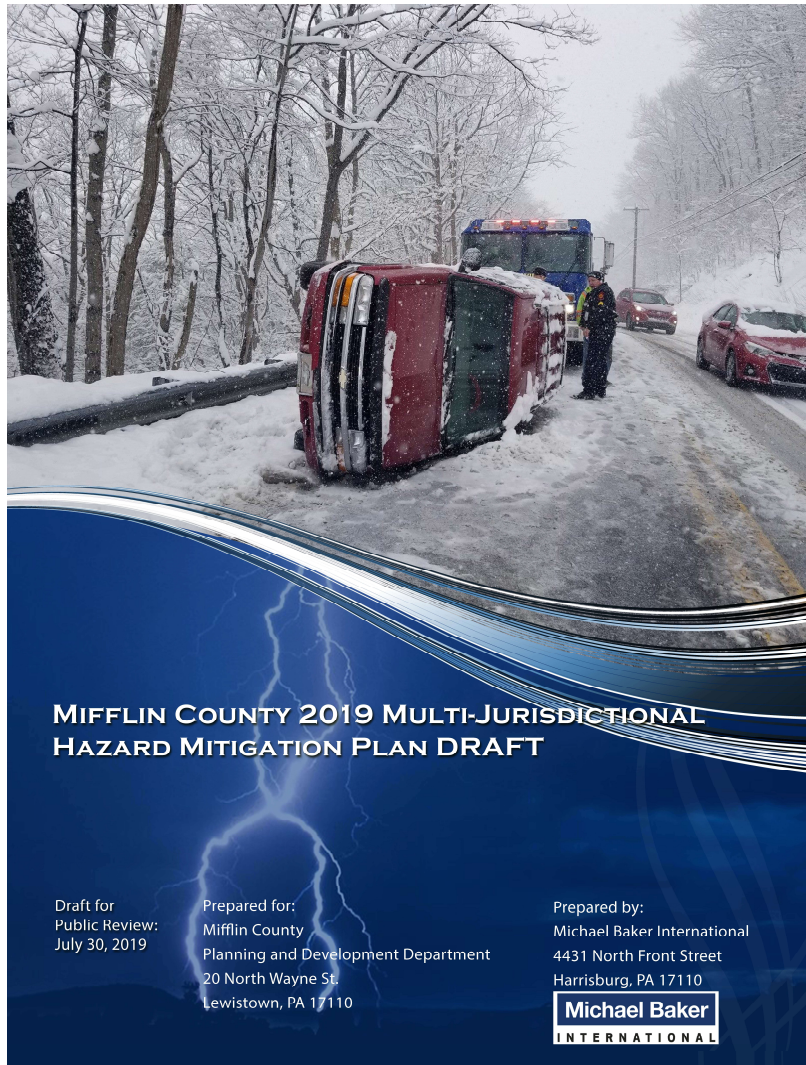


What is a Hazard Mitigation Plan?

- A Hazard Mitigation Plan is a community-driven, living document that communities use to reduce their vulnerability to hazards.
- Municipalities **must have a plan** to maintain access to mitigation grants. These grants can augment local mitigation activities already being accomplished and can leverage other funding sources.



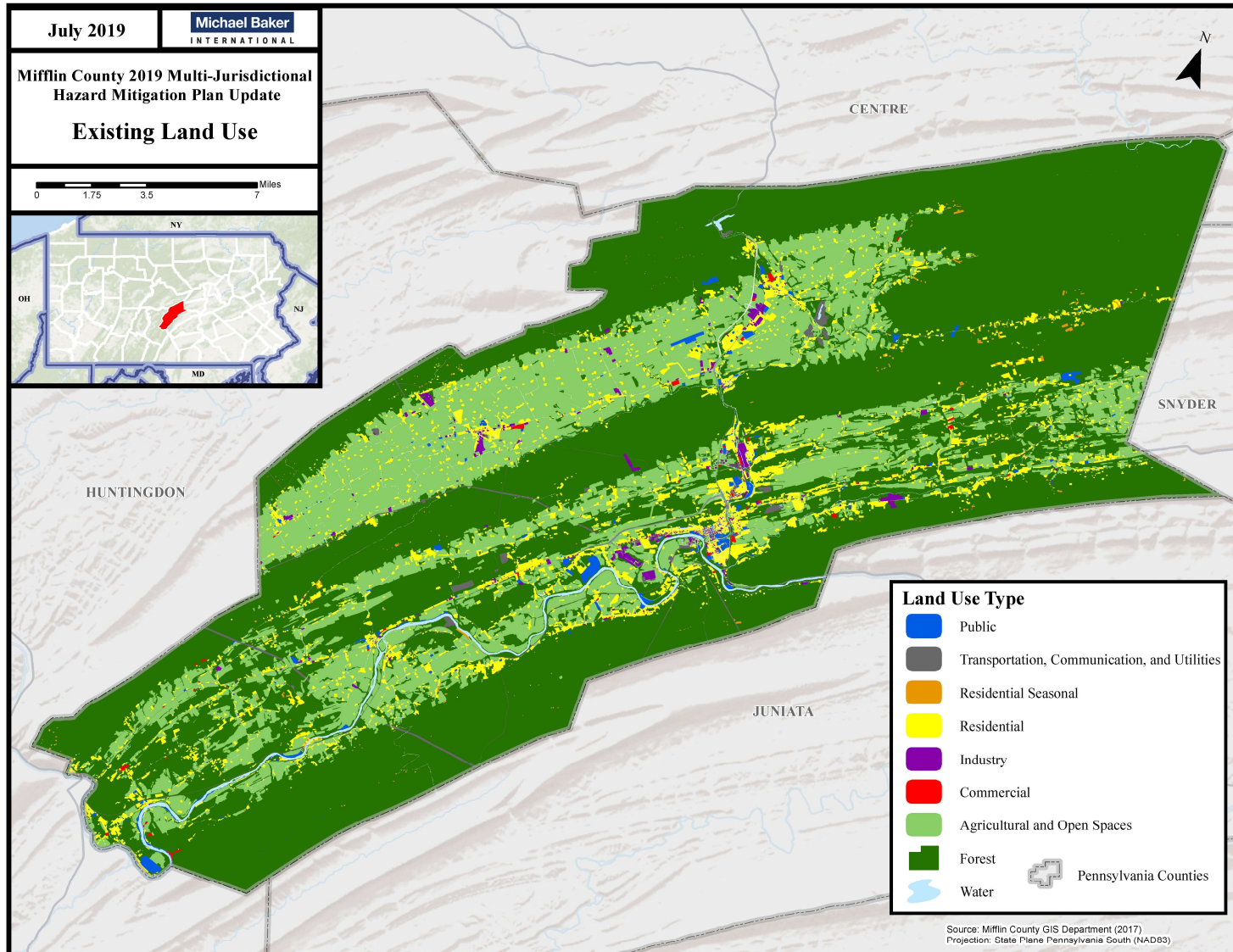
MJHMP Components



- Introduction
- Community Profile
- Planning Process
- Risk Assessment
- Capability Assessment
- Mitigation Strategy
- Plan Maintenance
- Adoption

Community Profile Overview

- Snapshot of the County's:
 - Geography in west-central Pennsylvania and environment/watersheds
 - Community facts and key statistics
 - Population and demographic patterns and historical changes
 - Land use and development patterns



Planning Process Overview



Planning Process: Planning Team

■ Steering Committee

- Municipal officials
- County officials
- Mifflin County School District
- Juniata Valley Behavioral and Developmental Services
- Geisinger-Lewistown Hospital
- FAME Emergency Medical Services
- Valley View Retirement Community
- Municipal Authority of the Borough of Lewistown
- Consultant

■ Additional Stakeholders

- Municipal officials
- Adjacent county officials
- American Red Cross
- HACC
- Highland Park Hose Co.
- Juniata Valley Chamber of Commerce
- Mifflin Co. Industrial Development Corp.
- Shelter Services, Inc.
- South Hills School of Business & Technology
- Reeds Gap State Park
- PennDOT Regional Traffic Management Center

- Planning Team Assessment and Participation:
 - Kick-Off Meeting (January 2019)
 - Hazard Risk Review
 - Risk Assessment-Mitigation Solutions Workshop (February – April 2019)
 - Hazard Risk Review
 - Jurisdictional Risk Assessment
 - Mitigation Action Progress Assessment
 - New Mitigation Action Identification
 - Follow-up Municipal Calls
- Risk and Vulnerability Analysis
 - GIS Assessment
 - Hazus (Potential Loss Estimation)
 - Tax Repository List Analysis
 - Historical Properties Analysis

Risk Assessment Overview



2019 Hazard Identification

Natural Hazards

- Drought
- Extreme Temperature
- Flood, Flash Flood, Ice Jam
- Hurricane, Tropical Storm, Nor'easter
- Invasive Species
- Landslide
- Lightning Strike
- Pandemic and Infectious Disease
- Radon Exposure
- Subsidence, Sinkhole
- Tornado, Wind Storm
- Wildfire
- Winter Storm

Human-Made Hazards

- Building or Structure Collapse
- Civil Disturbance
- Dam Failure
- Drowning
- Environmental Hazards
- Transportation Accidents
- Urban Fire and Explosion
- Utility Interruption

- 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?

Hazard Ranking Methodology

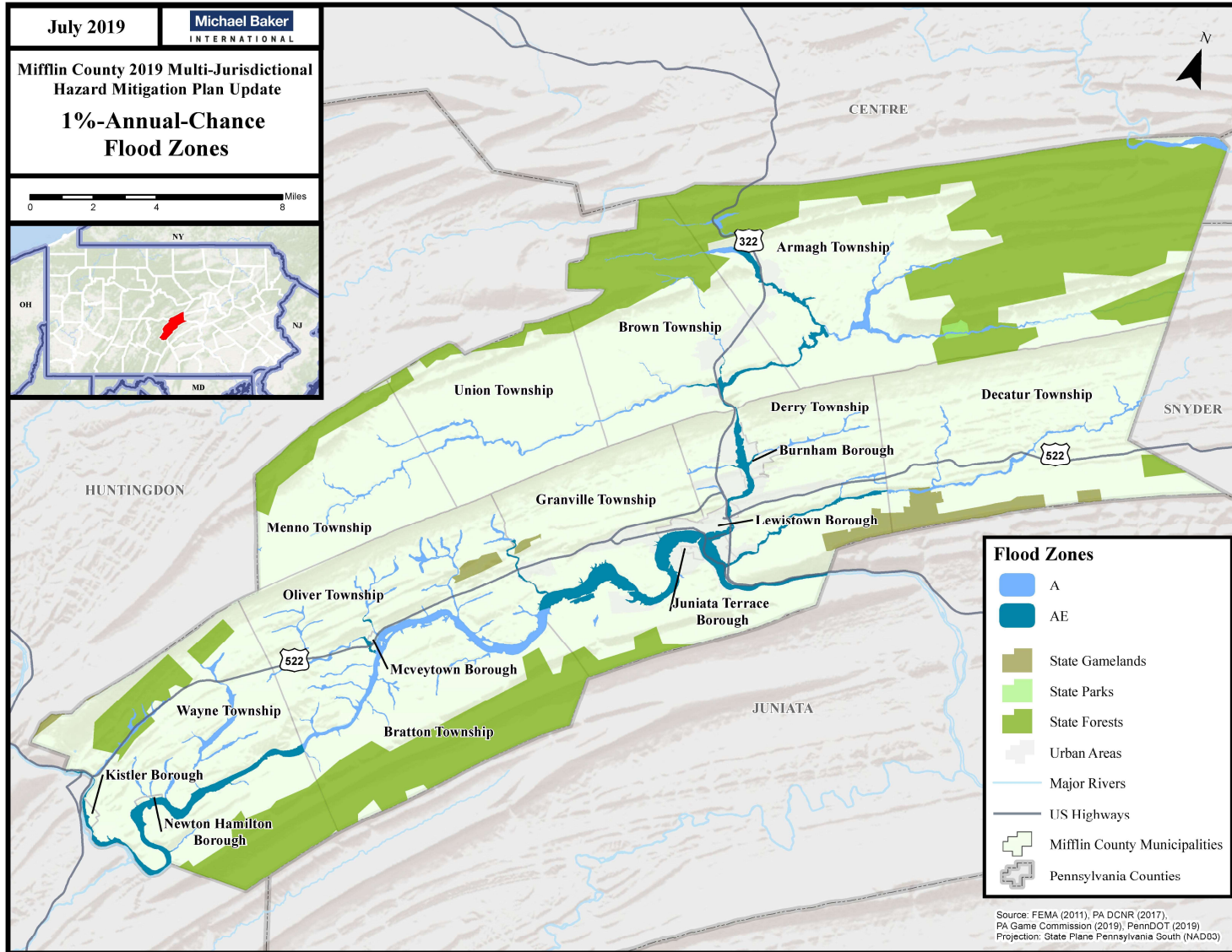
- Hazards are ranked to understand what is most important to mitigate
- Standardized method to rank risks
- Done on a countywide basis
- Results are preliminary

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

High Ranked Hazards

HAZARD	RISK ASSESSMENT CATEGORY					CALCULATED RISK FACTOR
	PROBABILITY	IMPACT	SPATIAL EXTENT	WARNING TIME	DURATION	
Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2
Hurricane, Tropical Storm, Nor'easter	4	3	3	2	2	3.1
Winter Storm	4	2	4	2	2	3.0
Wildfire	3	2	3	4	2	2.7
Radon Exposure	4	2	2	1	4	2.7

Flood, Flash Flood, Ice Jam



Flood, Flash Flood, Ice Jam

- Mifflin County is prone to two types of flooding
 - Riverine floods
 - Flash floods
- **13** flooding events have resulted in a state declared disaster between 1966 – 2018
- **22%** of total structures are located in the floodplain
- **10.36%** of population resides within the floodplain
- **6** critical facilities are located in the floodplain



Flood, Flash Flood, Ice Jam

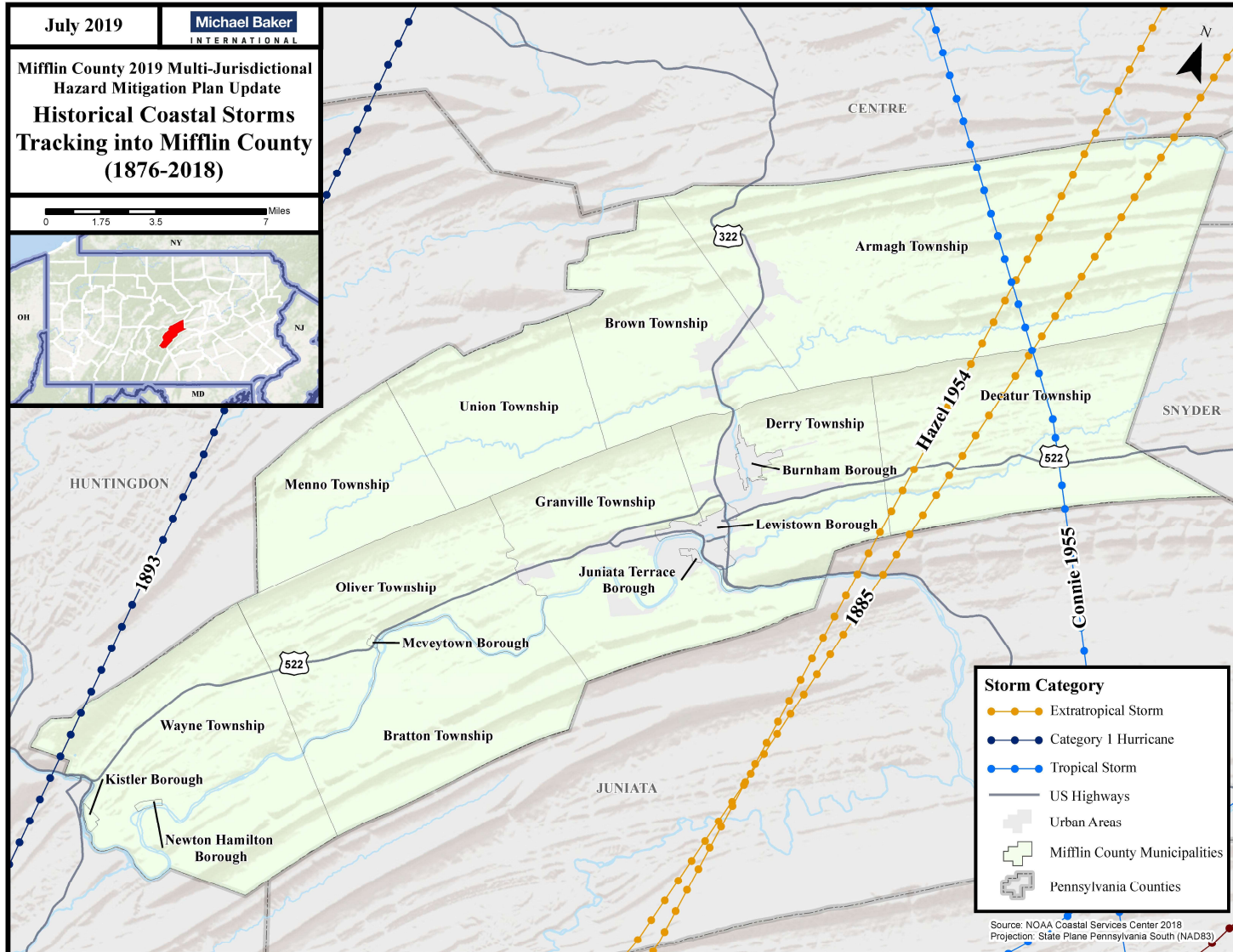


- RL and SRL definitions
- As of 2018, there were 46 RL and 1 SRL properties in Mifflin County.
- Most of the RL properties are located within Derry (12), Brown (8), Lewistown (7), and Armagh (6).
- Of the RL properties, 9 of the structures have been mitigated.
- The 1 SRL property is located within Wayne and has been mitigated.
- Total amount paid is \$1.94M (1978-2018)

- Hazus analysis
 - Definition, inputs, and outputs
 - Total losses were projected to be 148.62 million dollars.
 - Losses are highest along the Juniata River in Brown Township, Burnham Borough, Granville Township, and Lewistown Borough, as well as the Kishacoquillas Creek in Union Township.

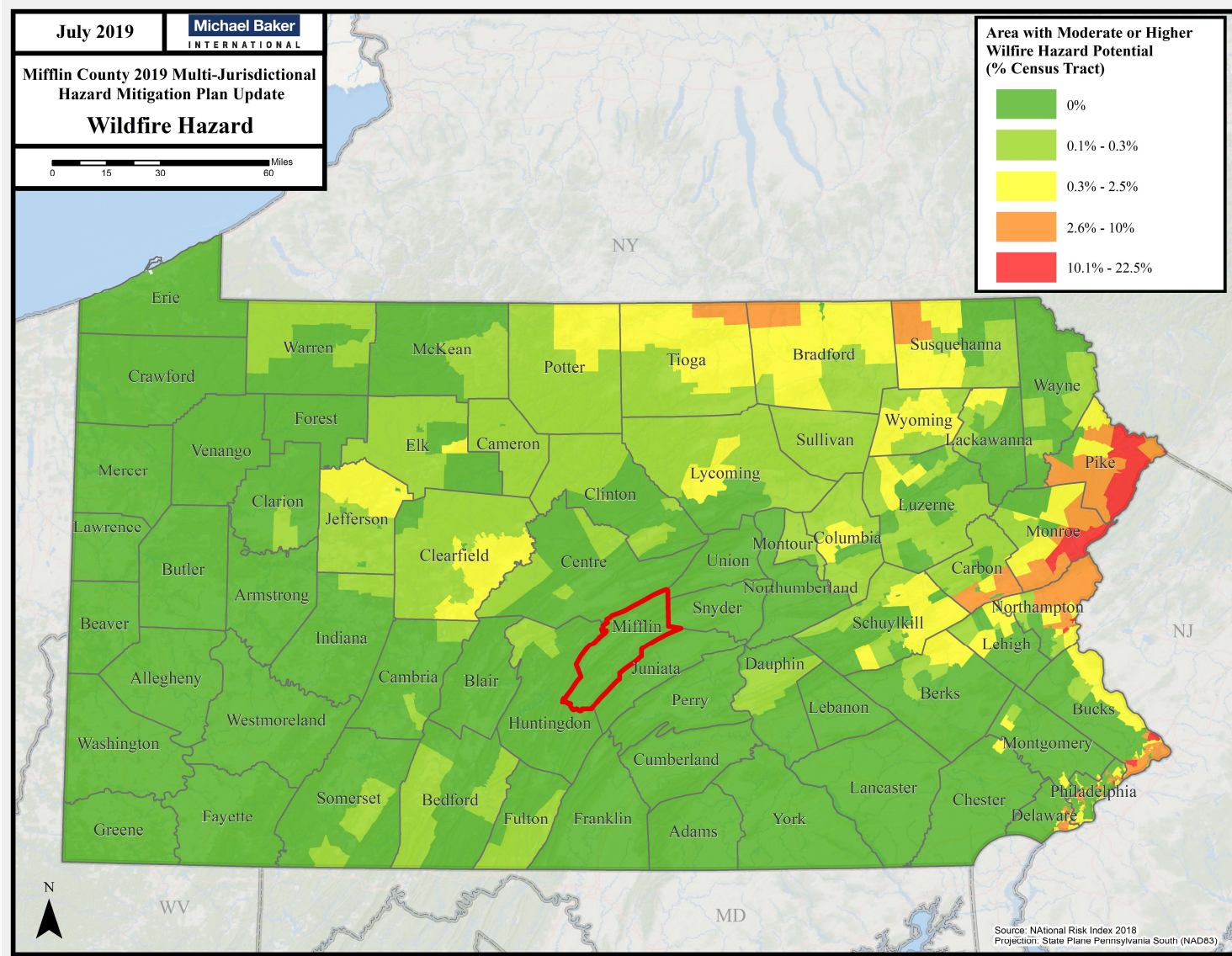
- Repository property analysis
 - The Repository List (dated 6/26/2019) includes 23 listed properties.
 - Of these properties, two are located within the SFHA .
 - Land bank opportunity

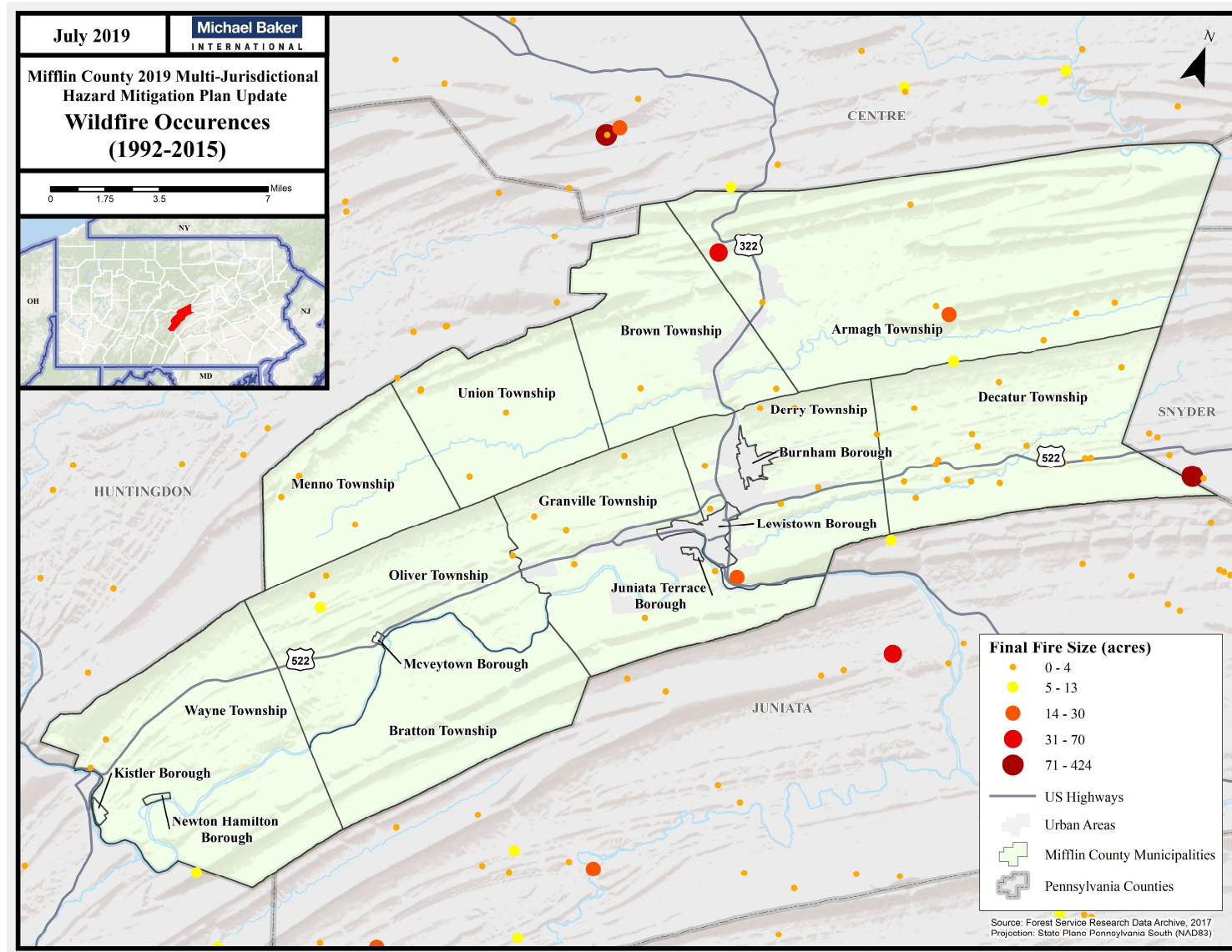
Hurricane, Tropical Storm, Nor'easter



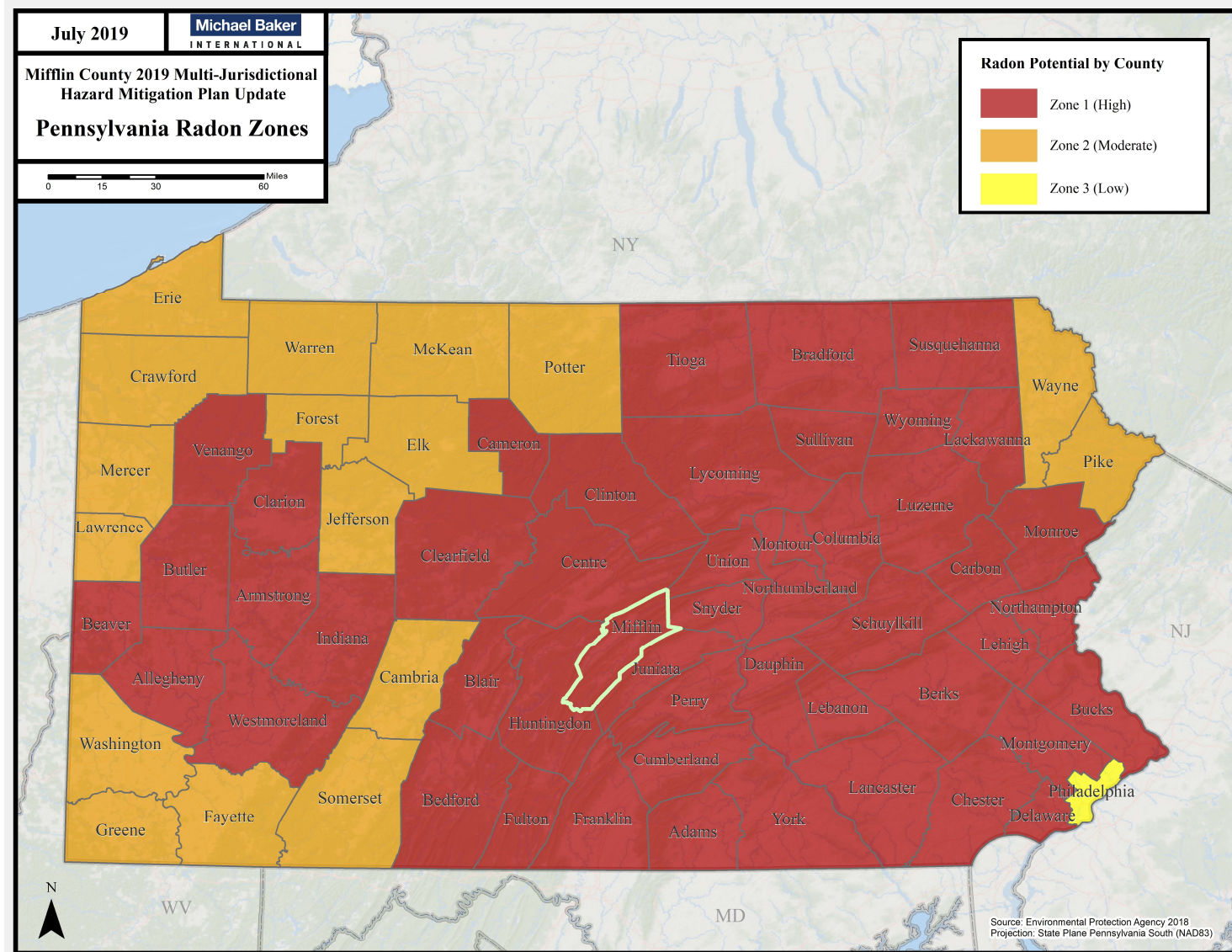
- Mifflin County receives 20.1 inches of snow annually
- 3 Presidential Disaster and Emergency Declarations
- 9 Gubernatorial Proclamations of Emergency
- Worst storm on record:
 - March 29th, 1942
 - A total of 31 inches fell







Radon Exposure



Moderate Ranked Hazards

HAZARD	RISK ASSESSMENT CATEGORY					CALCULATED RISK FACTOR
	PROBABILITY	IMPACT	SPATIAL EXTENT	WARNING TIME	DURATION	
Utility Interruption	3	2	2	3	2	2.4
Tornado, Windstorm	2	3	2	4	1	2.4
Pandemic	2	2	3	1	4	2.3
Dam Failure	2	2	2	4	3	2.3
Drought	2	1	4	1	4	2.2
Environmental Hazards – Hazardous Materials Release	2	2	2	4	2	2.2
Transportation Accidents	4	1	1	4	1	2.2
Urban Fire and Explosion	3	2	1	4	1	2.2
Subsidence, Sink Holes	3	2	1	4	1	2.2

Low Ranked Hazards

HAZARD	RISK ASSESSMENT CATEGORY					CALCULATED RISK FACTOR
	PROBABILITY	IMPACT	SPATIAL EXTENT	WARNING TIME	DURATION	
Extreme Temperature	2	1	4	1	1	1.9
Civil Disturbances	1	3	1	3	1	1.8
Invasive Species	2	1	2	1	4	1.8
Landslide	1	2	1	4	1	1.6
Lightning Strike	2	1	1	3	1	1.5
Building or Structure Collapse	1	2	1	2	1	1.4
Drowning	1	1	1	4	1	1.3

Capability Assessment Overview

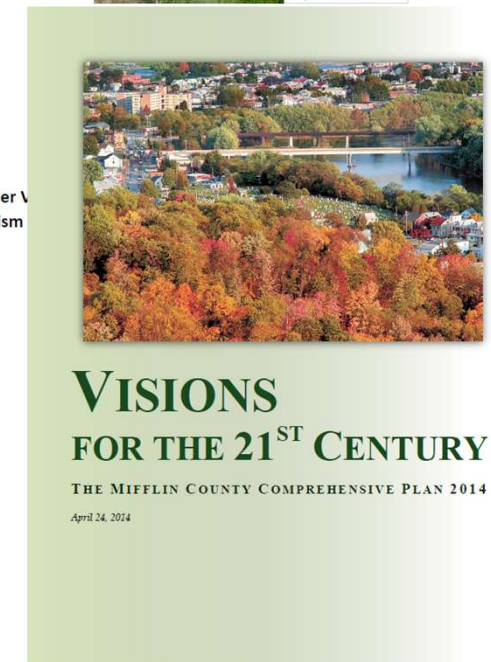


- Mifflin County Comprehensive Plan
- Mifflin County Act 167 Countywide Stormwater Management Plan
- Juniata River Valley Regional Tourism Plan
- Municipal comprehensive plans, zoning ordinances, subdivision and land development ordinances, building permit ordinances, stormwater management ordinances

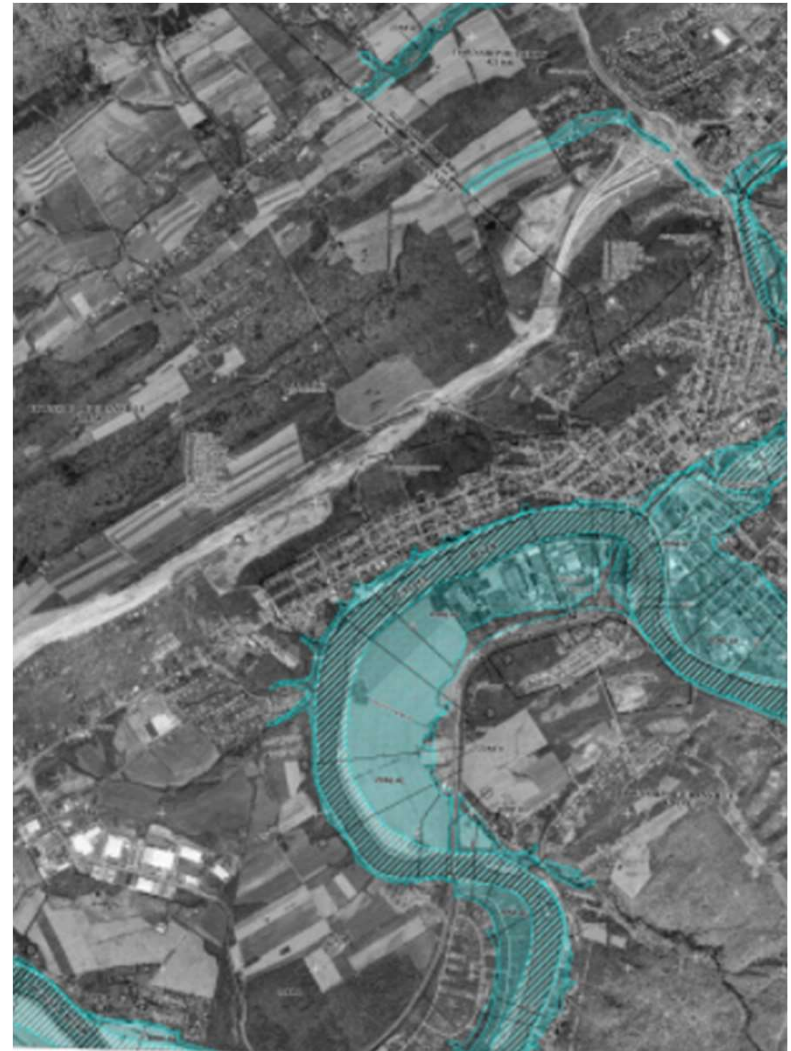


TOURISM
ROADMAP TO
SUCCESS

Juniata River V
Tourism
December 2017



- 15 municipalities of 16 participate in the NFIP
- All FIRMs have an effective date of 8/16/06
- 3 municipalities are in the Community Rating System (CRS)



- A two-way exchange of information between a hazard mitigation plan and other community plans
 - Incorporation of risk reduction concepts in community plans
 - Consistent information and goals between all plans
- An understanding between agencies and organizations with a stake in the built environment of their respective and collaborative role in hazard mitigation

- Save time and money
 - Common formats for information sharing
 - Build upon existing efforts
 - Identify best practices
 - Accomplish Mifflin County goals using different funding sources
- Reduce risk to hazards
 - Common picture of hazards facing County and municipalities
- Avoid or minimize risk through safe development practices

Mitigation Strategy Overview



Mitigation Strategy Components

- Goals and Objectives
- Mitigation Techniques
- Mitigation Action Plan and Projects



Goals, Objectives, & Actions Defined

- **Goals:** General guidelines that describe what your community would like to achieve.
- **Objectives:** Define strategies that must be implemented to achieve the identified goal.
- **Actions:** The specific activities a community will take to reduce or eliminate risks.



Mifflin County 2019 Goals

GOALS

Goal 1: Strengthen County and local capabilities to reduce the potential impact of flooding on existing and future public/partner assets, including structures, critical facilities, and technological hazards

Goal 2: Protect the citizens of Mifflin County as well as public and private property from the impacts of natural and human-caused hazards

Goal 3: Enhance planning and emergency response efforts among state, county, and local emergency management personnel to protect public health and safety

Goal 4: Build Mifflin County's spatial informational resources to strengthen public and private hazard mitigation planning and decision support capabilities

Goal 5: Increase public awareness on both the potential impacts of natural hazards and activities to reduce those hazards

Goal 6: Increase intergovernmental cooperation and build public-private partnerships to implement activities that will reduce the impact of natural, man-made, and technological disasters

Four Mitigation Techniques

Local Plans and Regulations

Government authorities, policies, or codes that influence the way land and buildings are developed



Structure and Infrastructure Projects

Modifying existing structures or infrastructure to remove from a hazard area or construction of new structures to reduce impacts of hazards



Natural Systems Protection

Actions that minimize damage and losses and also preserve or restore the functions of natural systems



Education and Awareness Programs

Sustained programs to educate the public and decision-makers about hazard risks and community mitigation programs



Mitigation Actions

- 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.



Mitigation Actions

- All of the 2014 actions were replaced with **41** new actions
 - **36** based upon action forms
 - **5** additional
- **At least one** mitigation action was established for each hazard identified in Risk Assessment
- **All 16 municipalities** have a least one mitigation action



What's Next?



Meetings

- Kick-off Meeting: **7** municipalities
- Risk Assessment/
Mitigation Workshop: **All 16** municipalities
including **4** WebEx calls
- Planning Commission
Meeting on July 25th
- Today's Public Meeting

Worksheets/Surveys/Forms

- Hazards and Risk: **14** municipalities
- Jurisdictional Risk
Evaluation: **10** municipalities
- NFIP Worksheet: **7** municipalities
- New Mitigation Action
Form: **All 16** municipalities

Update	Tracking Mechanism	Location
Adoption dates	Table 8.0-1: Adoption Date of the Multi-Jurisdictional Hazard Mitigation Plan by Mifflin County and Local Municipalities	Section 8
Annual review meetings	Certification of Annual Review Meetings table	Page i
Annual review details	Record of Changes table and file of meeting agendas, sign-in sheets, handouts, and summaries	Page ii
Mitigation action progress and new actions	Table 7.2-2: Mitigation Action Review and New Actions	Section 7.2



- Visit the MJHMP project website at:
<https://www.pennsylvaniahmp.com/mifflin-county-hmp>
- Project updates, meeting summaries, and planning documents are posted there

[About the Project](#)



[Planning Documents](#)



[2014 Mifflin County MJHMP](#)



[2019 Mifflin County MJHMP](#)



Schedule and Meetings

Task	Dates
Public Meeting	August 6, 2019
Public Comment Period	July 30 - August 30, 2019
Deliver to PEMA/FEMA for Review	September - November 2019
Distribute to Municipalities for Adoption	December 2019 – January 2020

Next Steps and Action Items

- Public comment period will end on **August 30th**
- Submit to PEMA
- Submit to FEMA

**We encourage you to review the MJHMP Draft!
We would especially appreciate review and
feedback on Section 5: Capability Assessment
and Section 6: Mitigation Strategy.**



Bill Gomes, AICP

Director, Mifflin County Planning and Development Department

(717) 242-0887, wgomes@mifflinco.org

Troy Truax, AICP

Project Manager, Michael Baker International

(717) 213-6241, Troy.Truax@mbakerintl.com



Draft Plan Review Meeting
August 6, 2019
3:30 PM – 5:00 PM
Mifflin County Courthouse
20 North Wayne St., Lewistown, PA

Meeting Summary

Meeting attendees are listed as follows:

Steering Committee Attendees

- Rex Fink, Lewistown Borough
- Sharina Harshbarger, Bratton Township
- Matt Stringer, McVeytown Borough, Oliver Township, and Bratton Township

Others

- William Gomes, Mifflin County Planning and Development Department
- Phil Lucas, Mifflin County Office of Public Safety
- Kay Hamilton, Brown Township
- Rob Postal, Mifflin County Commissioner
- Troy Truax, Michael Baker Intl.
- Angela Welt, Michael Baker Intl.

The Mifflin County Planning and Development Department hosted a public meeting of the Multi-Jurisdictional Hazard Mitigation Plan (MJHMP) Steering Committee on Tuesday, August 6, 2019 at the Mifflin County Courthouse (Meeting Room B). The purpose of the meeting was to present the Draft MJHMP and to solicit comments from the Steering Committee and members of the public. In addition to the public meeting, the public and interested stakeholders have also been invited to review and comment on the draft plan posted on the project website at <https://www.pennsylvaniahmp.com/mifflin-county-hmp> between July 30 and August 30, 2019.

The Steering Committee meeting was facilitated by Troy Truax, AICP from Michael Baker International, which is the project consultant. Mr. Truax delivered the PowerPoint presentation that is also included on the project website specified above. The PowerPoint presentation included: an overview of the project; a community profile; a review of the planning process; the risk assessment summary including a listing of natural and man-made hazards; the hazard ranking methodology; an overview of capability assessment; mitigation strategy; municipal participation; and next steps.

The following items highlight the discussion points made during the presentation:

- The Federal Emergency Management Agency (FEMA) recommended use of social media in the 2014 MJHMP Approval Pending Adoption letter. Phil Lucas helped to accomplish this improvement by posting notices to the Mifflin County 9-1-1 Facebook page during the 2019 MJHMP Update.
- The Tax Repository analysis, as requested by the county, should be ongoing, not static, to keep up with the ever-changing repository list and periodic FEMA mapping updates.
- All hazard profiles from the 2014 MJHMP were updated, and two new hazard profiles were added: Hurricane, Tropical Storm, Nor'easter and Building and Structure Collapse.
- In addition to the Hazus¹ Analysis, the MJHMP planning process included two unique risk analyses:
 - County Repository List – Michael Baker utilized the County's Repository List to determine if any of the listed properties were included in Special Flood Hazard Areas (SFHA). Two properties are currently included within a SFHA and may provide a property buyout opportunity to remove the structure from the floodplain and also an opportunity for the County to consider the utility of a Land Bank Program as a hazard mitigation and community revitalization tool.
 - Disaster Planning for Historic Properties – The MJHMP also included the identification of several historic resources in Mifflin County vulnerable to flooding hazards. This approach may provide a basis for a more thorough investigation through the Pennsylvania Historical and Museum Commission (PHMC)'s Disaster Planning for Historic Properties Initiative. The Commission has been working with certain counties in the Commonwealth to produce a comprehensive inventory of hazard-prone historic resources for integration into the county's respective MJHMPs. The project includes detailed vulnerability assessments and appropriate mitigation strategies to make these irreplaceable assets less vulnerable and more resilient to flooding hazards.
- Phil Lucas explained that for municipalities without a specifically designated Emergency Management Coordinator (EMC), the highest-ranking elected official serves as EMC.
- The hacking of utility systems is one example of technological disaster.

¹ Hazus (Hazards U.S.) is a geographic information system-based natural hazard analysis tool developed and freely distributed by the Federal Emergency Management Agency.

- There are two appendices which are not for public distribution: Dam Failure and Critical Facilities.
- When the plan has received Approval Pending Adoption status from FEMA, William Gomes will provide one hard copy to each municipality.
- As soon as one municipality adopts the MJHMP, the plan is considered approved. The County may adopt the new MJHMP after at least one municipality has adopted it.
- Adoption resolution templates are included in the MJHMP, in Section 8.
- Phil Lucas provided additional photos of past flooding events.
- CDs containing the Draft MJHMP were provided to the municipal representatives in attendance.

The following table identifies the action items discussed at the meeting.

Responsible Party	Action Item
Michael Baker	<ul style="list-style-type: none"> ➤ Post the Draft Plan Review meeting materials to the project website at https://www.pennsylvaniiahmp.com/mifflin-county-hmp. ➤ Update the Draft MJHMP cover photo with one of the photos provided by Phil Lucas at the Draft Plan Review meeting. ➤ Add a new action to the Draft MJHMP, based on a recommendation by Rob Postal: Increase municipal participation in the CRS Program by working with the municipalities to achieve the program requirements. ➤ Email the MS Word document of the Adoption Resolution Template to William Gomes for distribution to all municipalities so they may prepare the resolution for their respective Governing Body's use to adopt the MJMHP once FEMA's Approved Pending Adoption (APA) letter is received.
Mifflin County Planning & Development	<ul style="list-style-type: none"> ➤ Distribute CDs containing the Draft MJHMP to each municipality. ➤ Distribute the MS Word document of the Adoption Resolution Template to all municipalities.
Steering Committee and Stakeholders	<ul style="list-style-type: none"> ➤ Review the Draft MJHMP, available at the project website at https://www.pennsylvaniiahmp.com/mifflin-county-hmp.

The meeting adjourned at 4:35 PM.

Welt, Angela

From: Gomes, Bill
Sent: Thursday, August 8, 2019 8:02 AM
To: Brought, Tiffany <tbrought@mifflinco.org>
Subject: HM Plan

Tiffany,

Please make sure the municipalities that did not sign off on the sheet are sent a CD of the Hazard Mitigation Plan. Below is the memo that should be included.

Bill

To: Mifflin County Municipalities
From: Bill Gomes
RE: Draft Mifflin County Hazard Mitigation Plan
Date: August 8, 2019

The Mifflin County Hazard Mitigation Plan Steering Committee met on August 6, 2019 to review the draft Hazard Mitigation Plan. CD Rom versions were made available to those present and as I stated in an email on July 30, we would make the draft plan available in this format beyond the version that is found on the web site:

<https://www.pennsylvaniiahmp.com/mifflin-county-hmp>. As mentioned, the plan is undergoing a 30 day review that goes from July 30- August 30, 2019. Please take the time to review the plan and if you have questions or comments, please get back to me no later than August 30.

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

Welt, Angela

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Monday, August 12, 2019 11:14 AM
To: Ann Thompson (dryhouse2@mac.com); Armagh Township (secretary@armaghtownship.org); Craig Bubb; Lucas, Phil; M. Moore (mmoore@vvrconline.org); Matt Moore (mbm9877@gmail.com); Matt Stringer (stringgo1@icloud.com); mcveytown@verizon.net; Paul Maidens (pjm33@mcsdk12.org); pshoop@fameems.org; Rex Fink (rfink@lewistownborough.com); Robert Henry (BHenry@jvbd.org); Ron Napikoski (renapikoski@geisinger.edu); Sharina Harshbarger (SharinaHarshbarger@gmail.com)
Cc: Truax, Troy D; Szabo, Ernest; Welt, Angela; Truax, Troy D; Brought, Tiffany; Dunkle, Stephen; Kodish, Kevin; Postal, Robert
Subject: EXTERNAL: HM Plan Steering Committee follow-up
Attachments: Draft Plan Review - Meeting Summary of 8-6-19.pdf

To: Mifflin County Hazard Mitigation Plan Steering Committee
From: Bill Gomes
RE: Hazard Mitigation Plan Update Final Meeting Summary
Date: August 12, 2019

The Mifflin County Hazard Mitigation Plan Steering Committee met on August 6, 2019 to discuss the draft hazardous mitigation plan. Troy Truax from Michael Baker International facilitated the meeting. Unfortunately, the meeting turnout was less than we had hoped. The meeting presentation included an overview of the plan and next steps.

Attached is a summary from the August 6 meeting that includes the link to the PowerPoint presentation available on the project website: (<https://www.pennsylvaniiahmp.com/mifflin-county-hmp>). Please note that the Draft Multi- Jurisdictional Hazard Mitigation Plan (MJHMP) is available at the project website for public review and comment through **August 30, 2019**. All comments, including those from the steering committee, must be submitted in writing to me by that date. In addition to accessing the draft document online, copies of the Draft MJHMP are also available on CD-ROM. If you want a CD-ROM version, please let us know and we can hold a copy for you to pick up. Once the review period is over it will be sent to PEMA and FEMA for their review and then submitted back for municipal adoption. If you have any questions, please contact me.

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

Completed Participation Forms

- Hazard and Risk Worksheet
- Jurisdictional Risk Evaluation
- NFIP Worksheets
- Mitigation Action Progress
- New Mitigation Action Form

Evaluation of Identified Hazards and Risk

Name: BRENDA ALMILLER

Title: SECRETARY-SUPERVISOR

Affiliation: ARAIAGH TOWNSHIP

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	D	
Extreme Temperature	I	
Flood, Flash Flood, Ice Jam	I	
Invasive Species	NC I	
Landslide	NC	
Lightning Strike	I	
Pandemic and Infectious Disease	D	
Radon Exposure	I	
Subsidence, Sinkhole	I	
Tornado, Wind Storm	I	

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Wildfire	NC I	
Winter Storm	NC	
Human-made Hazards		
Civil Disturbance	I	
Dam Failure	NC	
Drowning	NC	
Environmental Hazards	I	
Transportation Accidents	NC I	
Urban Fire and Explosion	NC	
Utility Interruption	I	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|---|---|
| <input type="checkbox"/> Avalanche/Glacier | <input checked="" type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input checked="" type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input checked="" type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input checked="" type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|---|
| <input checked="" type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input checked="" type="checkbox"/> Disorientation | <input checked="" type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input checked="" type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Evaluation of Identified Hazards and Risk

Name: Sharina Harshbarger

Title: Secretary

Affiliation: Bratton Township

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam	I	Increase Rain Fall Raystown's water management
Invasive Species	NC	
Landslide	NC	
Lightning Strike	NC	
Pandemic and Infectious Disease	NC	
Radon Exposure	NC	
Subsidence, Sinkhole	NC	
Tornado, Wind Storm	NC	

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Wildfire	NC	
Winter Storm	NC I	
Human-made Hazards		
Civil Disturbance	NC	
Dam Failure	NC	
Drowning	NC I	
Environmental Hazards	NC	
Transportation Accidents	NC	
Urban Fire and Explosion	NC	
Utility Interruption	NC	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|---|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input checked="" type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input checked="" type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Evaluation of Identified Hazards and Risk

Name: TELESA H KING

Title: Twp Secretary

Affiliation: BROWN Twp.

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam	NC	
Invasive Species	NC	
Landslide	NC	
Lightning Strike	NC	
Pandemic and Infectious Disease	NC	
Radon Exposure	NC	
Subsidence, Sinkhole	I	2 sinkholes opened
Tornado, Wind Storm	NC	in 2018

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Wildfire	NC	
Winter Storm	NC	
Human-made Hazards		
Civil Disturbance	NC	
Dam Failure	NC	
Drowning	NC	
Environmental Hazards	NC	
Transportation Accidents	NC	
Urban Fire and Explosion	NC	
Utility Interruption	NC	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Evaluation of Identified Hazards and Risk

Name: Lisa Jyl Hayes

Title: Borough Secretary

Affiliation: Burnham Borough

RECEIVED

JAN 28 2019

Part I

MIFFLIN COUNTY
PLANNING AND DEVELOPMENT

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	N/c	
Extreme Temperature	N/c	
Flood, Flash Flood, Ice Jam	N/c	
Invasive Species	N/c	
Landslide	N/c	
Lightning Strike	N/c	
Pandemic and Infectious Disease	N/c	
Radon Exposure	Nc	
Subsidence, Sinkhole	N/c	
Tornado, Wind Storm	N/c	

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Wildfire	N/c	
Winter Storm	N/c	
Human-made Hazards		
Civil Disturbance	N/c	
Dam Failure	N/c	
Drowning	N/c	
Environmental Hazards	N/c	
Transportation Accidents	N/c	
Urban Fire and Explosion	N/c	
Utility Interruption	N/c	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|---|
| <input type="checkbox"/> Avalanche/Glacier | <input checked="" type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input checked="" type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Evaluation of Identified Hazards and Risk

Name: Michelle Snook

Title: Secretary

Affiliation: Decatur Township

RECEIVED

FEB 11 2019

Part I

MIFFLIN COUNTY
PLANNING AND DEVELOPMENT

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam	NC	
Invasive Species	NC	
Landslide	NC	
Lightning Strike	NC	
Pandemic and Infectious Disease	NC	
Radon Exposure	NC	
Subsidence, Sinkhole	NC	
Tornado, Wind Storm	NC	

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
<i>Wildfire</i>	NC	
<i>Winter Storm</i>	NC	
Human-made Hazards		
<i>Civil Disturbance</i>	NC	
<i>Dam Failure</i>	NC	
<i>Drowning</i>	NC	
<i>Environmental Hazards</i>	NC	
<i>Transportation Accidents</i>	NC	
<i>Urban Fire and Explosion</i>	NC	
<i>Utility Interruption</i>	NC	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Evaluation of Identified Hazards and Risk

Name: Ron Napkoski

Title: Supervisor Em Coordinator

Affiliation: Derry Township / Geisinger-Lebanon Hospital

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam	I	↑ rainfall
Invasive Species	I	potential increase
Landslide	NC	
Lightning Strike	NC	
Pandemic and Infectious Disease	NC	
Radon Exposure	NC	
Subsidence, Sinkhole	NC	
Tornado, Wind Storm	NC	

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Wildfire	NC	
Winter Storm	I	more particular
Human-made Hazards		
Civil Disturbance	NC	
Dam Failure	NC	
Drowning	NC	
Environmental Hazards	NC	
Transportation Accidents	NC	railroad, Hazmat
Urban Fire and Explosion	NC	
Utility Interruption	NC	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|---|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input checked="" type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input checked="" type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input checked="" type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Cyber attacks
IT failures/communications
Hazardous materials transported through area

Evaluation of Identified Hazards and Risk

Name: LISA J. SWISHER

Title: TOWNSHIP MANAGER

Affiliation: GRANVILLE TOWNSHIP

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam	NC	
Invasive Species	NC	
Landslide	NC	
Lightning Strike	NC	
Pandemic and Infectious Disease	NC	
Radon Exposure	NC	
Subsidence, Sinkhole	NC	
Tornado, Wind Storm	NC	

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Wildfire	NC	
Winter Storm	NC	
Human-made Hazards		
Civil Disturbance	NC	
Dam Failure	NC	
Drowning	NC	
Environmental Hazards	NC	
Transportation Accidents	NC	
Urban Fire and Explosion	NC	
Utility Interruption	NC	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Evaluation of Identified Hazards and Risk

Name: Rex A Fink

Title: Codes Officer

Affiliation: Borough of Lewisburg

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam	NC	
Invasive Species	NC	
Landslide	NC	
Lightning Strike	NC	
Pandemic and Infectious Disease	NC	
Radon Exposure	NC	
Subsidence, Sinkhole	NC	
Tornado, Wind Storm	NC	

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Wildfire	NC	
Winter Storm	NC	
Human-made Hazards		
Civil Disturbance	NC	
Dam Failure	NC	
Drowning	NC	
Environmental Hazards	NC	
Transportation Accidents	NC	
Urban Fire and Explosion	NC	
Utility Interruption	NC	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Evaluation of Identified Hazards and Risk

Name: Matt Stringer

Title: _____

Affiliation: M^cKeetown Borough, Oliver Township

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam	NC	
Invasive Species	NC	
Landslide	NC	
Lightning Strike	NC	
Pandemic and Infectious Disease	NC	
Radon Exposure	NC	
Subsidence, Sinkhole	NC	
Tornado, Wind Storm	NC	

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Wildfire	NC	
Winter Storm	NC	
Human-made Hazards		
Civil Disturbance	NC	
Dam Failure	NC	
Drowning	NC	
Environmental Hazards	NC	
Transportation Accidents	NC	
Urban Fire and Explosion	NC	
Utility Interruption	NC	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Evaluation of Identified Hazards and Risk

Name: John Allison

Title: Township Supervisor

Affiliation: Menno Township

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam	NC	
Invasive Species	I	Seeing more tree of heaven but limited ability to spray because of organic farming practices
Landslide	NC	
Lightning Strike	NC	
Pandemic and Infectious Disease	NC	
Radon Exposure	NC	
Subsidence, Sinkhole	NC	
Tornado, Wind Storm	NC	

Identified Hazards 2014 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	Additional Comments <i>(Please provide an explanation for any hazards marked I or D in this column)</i>
Wildfire	I	Increase of standing and fallen dead timber makes wildfire potential much higher with higher rates of spread and acres burned
Winter Storm	NC	
Human-made Hazards		
Civil Disturbance	NC	
Dam Failure	NC	
Drowning	NC	
Environmental Hazards	NC	
Transportation Accidents	NC	
Urban Fire and Explosion	NC	
Utility Interruption	NC	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Evaluation of Identified Hazards and Risk *Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update*

Name: Justin Creitz

Title: EMA Director

Affiliation: Newton Hamilton Borough

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam	NC	
Invasive Species	NC	
Landslide	NC	
Lightning Strike	NC	
Pandemic and Infectious Disease	NC	
Radon Exposure	NC	
Subsidence, Sinkhole	NC	
Tornado, Wind Storm	NC	

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

Wildfire	NC	
Winter Storm	NC	
Human-made Hazards		
Civil Disturbance	NC	
Dam Failure	NC	
Drowning	NC	
Environmental Hazards	NC	
Transportation Accidents	NC	
Urban Fire and Explosion	I	EARLIER PLANNING FOR OPIOID ISSUES CONCERNING FIRST RESPONDERS SUCH AS EMS & FIRE
Utility Interruption	NC	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? (If so, check box)

Natural

- Avalanche/Glacier, Coastal Erosion, Dust, Sand Storm, Earthquake, Expansive Soils, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Tsunami, Volcano

Human-Made

- Building or Structure Collapse, Nuclear Incidents, Disorientation, Terrorism, Levee Failure, War and Criminal Activity, Mass Food/Animal Feed Contamination

Other Hazards

- Climate Change

Part III

Comments

Evaluation of Identified Hazards and Risk

Name: Alex Thompson

Title: Union Township

Affiliation: _____

1-15-19

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	I	Global issues
Extreme Temperature	I	" "
Flood, Flash Flood, Ice Jam	I	" "
Invasive Species	I	" "
Landslide	S	
Lightning Strike	S	
Pandemic and Infectious Disease	S	
Radon Exposure	S	
Subsidence, Sinkhole	S	
Tornado, Wind Storm	I	Global

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Wildfire	I	Global
Winter Storm	I	Global
Human-made Hazards		
Civil Disturbance	S	
Dam Failure	S	
Drowning	S	
Environmental Hazards	I	Global
Transportation Accidents	S	
Urban Fire and Explosion	I	Global
Utility Interruption	I	Global

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? (If so, check box)

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Global ^{weather} patterns are changing
must be addressed.

Evaluation of Identified Hazards and Risk

Name: Ted Reed

Title: Supervisor

Affiliation: Wayne Township

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam	NC	
Invasive Species	NC	
Landslide	NC	
Lightning Strike	NC	
Pandemic and Infectious Disease	NC	
Radon Exposure	NC	
Subsidence, Sinkhole	NC	
Tornado, Wind Storm	NC	

Evaluation of Identified Hazards and Risk

Name: PATRICK SHOOP Title: CHIEF

Affiliation: FAME EMS - SERVING ALL OF MIFFLIN COUNTY WITH PRIMARY RESPONSIBILITY TO LEWISTOWN - JUNIATA TERRACE BURNHAM - GRANVILLE - DERRY - DECATUR

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam	I	LOTS OF RAIN
Invasive Species	I	CONCERN FROM FARM BUREAU
Landslide	NC	
Lightning Strike	NC	
Pandemic and Infectious Disease	NC	
Radon Exposure	NC	
Subsidence, Sinkhole	NC	
Tornado, Wind Storm	NC	

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Wildfire	NC	
Winter Storm	NC	
Human-made Hazards		
Civil Disturbance	NC	
Dam Failure	NC	
Drowning	NC	
Environmental Hazards	NC	
Transportation Accidents	NC	
Urban Fire and Explosion	NC	
Utility Interruption	NC	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input checked="" type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Evaluation of Identified Hazards and Risk

Name: Bob Henry

Title: MH Program Specialist

Affiliation: Juncata Valley Behavioral and Developmental Services

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam	I	
Invasive Species	D	
Landslide	D	
Lightning Strike	NC	
Pandemic and Infectious Disease	NC	
Radon Exposure	NC	
Subsidence, Sinkhole	NC	
Tornado, Wind Storm	I	

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Wildfire	NC	
Winter Storm	NC	
Human-made Hazards		
Civil Disturbance	NC	
Dam Failure	NC	
Drowning	NC	
Environmental Hazards	NC	
Transportation Accidents	NC	
Urban Fire and Explosion	NC	
Utility Interruption	I	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Evaluation of Identified Hazards and Risk

Name: R. Foster

Title: COMMISSIONER

Affiliation: M County

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam	NC	But a high risk event though NC; needs a policy & strategy
Invasive Species	I	Waiting for lanternfly. How to quarantine the long term.
Landslide	NC	How to cleanup quickly.
Lightning Strike	NC	
Pandemic and Infectious Disease	NC	
Radon Exposure	I	Always here but more attention to this.
Subsidence, Sinkhole	I	Water may cause problems because of rainfall
Tornado, Wind Storm	I	Wind storm + microplastics that are very local

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Wildfire	NC	
Winter Storm	I	
Human-made Hazards		
Civil Disturbance	NC	
Dam Failure	NC	But dam (6 ft) should be eliminated
Drowning	NC	
Environmental Hazards	NC	
Transportation Accidents	I	Additional RR traffic
Urban Fire and Explosion	NC	
Utility Interruption	I	utilities need to turn R/W

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|---|
| <input type="checkbox"/> Avalanche/Glacier | <input checked="" type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input checked="" type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input checked="" type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Evaluation of Identified Hazards and Risk

Name: Phil Lucas

Title: EMA

Affiliation: Mifflin County

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam	NC	
Invasive Species	Incr.	New Invasive spec
Landslide	NC	
Lightning Strike	NC	
Pandemic and Infectious Disease	Incr.	
Radon Exposure	NC	
Subsidence, Sinkhole	NC	
Tornado, Wind Storm	NC	

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Wildfire	NC	
Winter Storm	NC	
Human-made Hazards		
Civil Disturbance	NC	
Dam Failure	NC	
Drowning	NC	
Environmental Hazards	NC	
Transportation Accidents	Dec.	Rte/Regulation + driver log requirement
Urban Fire and Explosion	NC	
Utility Interruption	Dec	increased interaction increased generator list

Opiate Threat

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input checked="" type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Evaluation of Identified Hazards and Risk

Name: Bill Gomes

Title: Mifflin County
PLANNING DIRECTOR

Affiliation: _____

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam	INCREASE	
Invasive Species	INCREASE	Emerald Ash Borer
Landslide	NC	
Lightning Strike	NC	
Pandemic and Infectious Disease	NC	
Radon Exposure	INCREASE	Dept. of Health sent out RADON kits to every residence in Jersey HUD is not
Subsidence, Sinkhole	NC	
Tornado, Wind Storm	NC	

Dept. of Health sent out RADON kits to every residence in Jersey HUD is not
+ beginning review as part of housing rehab projects.

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Wildfire	NC	
Winter Storm	NC	
Human-made Hazards		
Civil Disturbance	NC	
Dam Failure	NC	
Drowning	NC	
Environmental Hazards	NC	
Transportation Accidents	NC	
Urban Fire and Explosion	NC	
Utility Interruption	NC	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? (If so, check box)

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Summer and winter extremes have changed
 Better Stormwater Management

Part III

Comments

Evaluation of Identified Hazards and Risk

Name: Paul Meyers

Title: Principal

Affiliation: MCSD

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	I	
Extreme Temperature	I	
Flood, Flash Flood, Ice Jam	I	
Invasive Species	I	
Landslide	I	
Lightning Strike	NC	
Pandemic and Infectious Disease	I	
Radon Exposure	D	
Subsidence, Sinkhole	I	
Tornado, Wind Storm	I	

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Wildfire	NC	
Winter Storm	NC	
Human-made Hazards		
Civil Disturbance	NC	
Dam Failure	NC	
Drowning	NC	
Environmental Hazards	NC	
Transportation Accidents	NC	
Urban Fire and Explosion	NC	
Utility Interruption	NC	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input checked="" type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Evaluation of Identified Hazards and Risk

Name: Valley View

Title: SAFETY OFFICER

Affiliation: _____

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam		
Invasive Species	I	- SPOTTED LANTERN FLY, - EMERALD ASH BORER,
Landslide	NC	
Lightning Strike	NC	
Pandemic and Infectious Disease	NC	
Radon Exposure	NC	
Subsidence, Sinkhole	NC	
Tornado, Wind Storm	NC	

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
<i>Wildfire</i>	NC	
<i>Winter Storm</i>	NC	
Human-made Hazards		
<i>Civil Disturbance</i>	NC	
<i>Dam Failure</i>	NC	
<i>Drowning</i>	NC	
<i>Environmental Hazards</i>	NC	
<i>Transportation Accidents</i>	NC	
<i>Urban Fire and Explosion</i>	NC	
<i>Utility Interruption</i>	NC	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? *(If so, check box)*

Natural

- | | |
|--|--|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|--|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input type="checkbox"/> War and Criminal Activity |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

Evaluation of Identified Hazards and Risk

Name: Craig Bubb

Title: Executive Director

Affiliation: Water Authority (MABL)

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought	NC	
Extreme Temperature	NC	
Flood, Flash Flood, Ice Jam	I	2019 - 60+ " of rain, flash floods
Invasive Species	NC I	Ash bone beetle - killing trees
Landslide	NC	
Lightning Strike	NC	
Pandemic and Infectious Disease	NC	
Radon Exposure	NC	
Subsidence, Sinkhole	I	Brown Twp. - 2 in public roadways
Tornado, Wind Storm	NC	

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Wildfire	NC	
Winter Storm	NC	
Human-made Hazards		
Civil Disturbance	NC	
Dam Failure	NC	
Drowning	NC	
Environmental Hazards	NC	
Transportation Accidents	I	322 E & W in area of Laurel Creek dam, several spills
Urban Fire and Explosion	NC	tractor trailer wrecks
Utility Interruption	NC	

Part II

Other Hazards:

Do any of these hazards **not** previously profiled in the county hazard mitigation plan have the potential to affect your community significantly? (If so, check box)

Natural

- | | |
|--|---|
| <input type="checkbox"/> Avalanche/Glacier | <input type="checkbox"/> Hailstorm |
| <input type="checkbox"/> Coastal Erosion | <input checked="" type="checkbox"/> Hurricane, Tropical Storm, Nor'easter |
| <input type="checkbox"/> Dust, Sand Storm | <input type="checkbox"/> Tsunami |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Volcano |
| <input type="checkbox"/> Expansive Soils | |

Human-Made

- | | |
|--|---|
| <input type="checkbox"/> Building or Structure Collapse | <input type="checkbox"/> Nuclear Incidents |
| <input type="checkbox"/> Disorientation | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Levee Failure | <input checked="" type="checkbox"/> <u>War and Criminal Activity</u> - opioids, meth, etc |
| <input type="checkbox"/> Mass Food/Animal Feed Contamination | |

Other Hazards

- Climate Change

Part III

Comments

320 E & W, Armagh Twp in area of Laurel Run dam -
 No stormwater management/spill containment along the
 highway adjacent to the dam. Several dangerous spills
 over the last two years. Majority of County drinking
 water comes from this source.

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization:	ARMABH TOWNSHIP
Name:	BRENDA AUMILLER

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	3.0
N	Winter Storm	4	2	4	2	2	3.0	3.0
N	Wildfire	3	2	3	4	2	2.7	2.5
N	Radon Exposure	4	2	2	1	4	2.7	2.0
M	Utility Interruption	3	2	2	3	2	2.4	1.5
N	Tornado	2	3	2	4	1	2.4	1.5
N	Pandemic	2	2	3	1	4	2.3	1.5
M	Dam Failure	2	2	2	4	3	2.3	3.0
N	Drought	2	1	4	1	4	2.2	2.2
M	Environmental Hazards	2	2	2	4	2	2.2	2.2
M	Transportation Accidents	4	1	1	4	1	2.2	3.0
M	Urban Fire and Explosion	3	2	1	4	1	2.2	2.2
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	2.2
N	Extreme temperatures	2	1	4	1	1	1.9	2.0
M	Civil Disturbances	1	3	1	3	1	1.8	2.0
N	Invasive Species	2	1	2	1	4	1.8	1.0
N	Landslide	1	2	1	4	1	1.6	1.5
N	Lightning Strike	2	1	1	3	1	1.5	1.5
M	Drowning	1	1	1	4	1	1.3	1.0

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization:	Bratton Township
Name:	Sharina Harshbarger

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	3.5
N	Winter Storm	4	2	4	2	2	3.0	3.0
N	Wildfire	3	2	3	4	2	2.7	2.5
N	Radon Exposure	4	2	2	1	4	2.7	2.0
M	Utility Interruption	3	2	2	3	2	2.4	3.0
N	Tornado	2	3	2	4	1	2.4	2.0
N	Pandemic	2	2	3	1	4	2.3	2.0
M	Dam Failure	2	2	2	4	3	2.3	2.2
N	Drought	2	1	4	1	4	2.2	2.5
M	Environmental Hazards	2	2	2	4	2	2.2	2.5
M	Transportation Accidents	4	1	1	4	1	2.2	2.3
M	Urban Fire and Explosion	3	2	1	4	1	2.2	2.0
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	2.0
N	Extreme temperatures	2	1	4	1	1	1.9	1.5
M	Civil Disturbances	1	3	1	3	1	1.8	1.5
N	Invasive Species	2	1	2	1	4	1.8	1.8
N	Landslide	1	2	1	4	1	1.6	1.8
N	Lightning Strike	2	1	1	3	1	1.5	1.0
M	Drowning	1	1	1	4	1	1.3	2.0

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization:

Name:

KAY HAMILTON BTWP SUPERVISOR

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	3.2
N	Winter Storm	4	2	4	2	2	3.0	3.0
N	Wildfire	3	2	3	4	2	2.7	2.7
N	Radon Exposure	4	2	2	1	4	2.7	3.0
M	Utility Interruption	3	2	2	3	2	2.4	3.0
N	Tornado	2	3	2	4	1	2.4	2.0
N	Pandemic	2	2	3	1	4	2.3	2.0
M	Dam Failure	2	2	2	4	3	2.3	2.0
N	Drought	2	1	4	1	4	2.2	2.0 2.5
M	Environmental Hazards	2	2	2	4	2	2.2	2.5
M	Transportation Accidents	4	1	1	4	1	2.2	2.5
M	Urban Fire and Explosion	3	2	1	4	1	2.2	2.0
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	A
N	Extreme temperatures	2	1	4	1	1	1.9	2.0 2.0
M	Civil Disturbances	1	3	1	3	1	1.8	1.5
N	Invasive Species	2	1	2	1	4	1.8	1.5
N	Landslide	1	2	1	4	1	1.6	1.5
N	Lightning Strike	2	1	1	3	1	1.5	2.0
M	Drowning	1	1	1	4	1	1.3	1.5

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization:	Burham Borough
Name:	LISA JYL HAYES - NOAH WISE

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	3
N	Winter Storm	4	2	4	2	2	3.0	3
N	Wildfire	3	2	3	4	2	2.7	1
N	Radon Exposure	4	2	2	1	4	2.7	2
M	Utility Interruption	3	2	2	3	2	2.4	3
N	Tornado	2	3	2	4	1	2.4	1
N	Pandemic	2	2	3	1	4	2.3	2
M	Dam Failure	2	2	2	4	3	2.3	2
N	Drought	2	1	4	1	4	2.2	3
M	Environmental Hazards	2	2	2	4	2	2.2	3
M	Transportation Accidents	4	1	1	4	1	2.2	2
M	Urban Fire and Explosion	3	2	1	4	1	2.2	2
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	2
N	Extreme temperatures	2	1	4	1	1	1.9	3
M	Civil Disturbances	1	3	1	3	1	1.8	1
N	Invasive Species	2	1	2	1	4	1.8	2
N	Landslide	1	2	1	4	1	1.6	1
N	Lightning Strike	2	1	1	3	1	1.5	2
M	Drowning	1	1	1	4	1	1.3	2

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization: Derry Township / Geisinger Lewisburg Hospital
 Name: Ron Nagkoski

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	↓ 2.9
N	Winter Storm	4	2	4	2	2	3.0	OK
N	Wildfire	3	2	3	4	2	2.7	↓ 2.5
N	Radon Exposure	4	2	2	1	4	2.7	↓ 2.5
M	Utility Interruption	3	2	2	3	2	2.4	↑ 2.7
N	Tornado	2	3	2	4	1	2.4	↓ 2.0
N	Pandemic	2	2	3	1	4	2.3	OK
M	Dam Failure	2	2	2	4	3	2.3	OK
N	Drought	2	1	4	1	4	2.2	OK
M	Environmental Hazards	2	2	2	4	2	2.2	↑ 2.5
M	Transportation Accidents	4	1	1	4	1	2.2	↑ 2.5
M	Urban Fire and Explosion	3	2	1	4	1	2.2	OK
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	OK
N	Extreme temperatures	2	1	4	1	1	1.9	OK
M	Civil Disturbances	1	3	1	3	1	1.8	OK
N	Invasive Species	2	1	2	1	4	1.8	↑ 2.2
N	Landslide	1	2	1	4	1	1.6	OK
N	Lightning Strike	2	1	1	3	1	1.5	OK
M	Drowning	1	1	1	4	1	1.3	OK

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization:	Borough of Lewisport
Name:	REC A FIRE

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	3
N	Winter Storm	4	2	4	2	2	3.0	3
N	Wildfire	3	2	3	4	2	2.7	0
N	Radon Exposure	4	2	2	1	4	2.7	1
M	Utility Interruption	3	2	2	3	2	2.4	2
N	Tornado	2	3	2	4	1	2.4	0
N	Pandemic	2	2	3	1	4	2.3	1
M	Dam Failure	2	2	2	4	3	2.3	2
N	Drought	2	1	4	1	4	2.2	2
M	Environmental Hazards	2	2	2	4	2	2.2	2
M	Transportation Accidents	4	1	1	4	1	2.2	2
M	Urban Fire and Explosion	3	2	1	4	1	2.2	2
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	2
N	Extreme temperatures	2	1	4	1	1	1.9	1
M	Civil Disturbances	1	3	1	3	1	1.8	1
N	Invasive Species	2	1	2	1	4	1.8	1
N	Landslide	1	2	1	4	1	1.6	1
N	Lightning Strike	2	1	1	3	1	1.5	1
M	Drowning	1	1	1	4	1	1.3	1

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization:	LTA BOARD
Name:	SCOTT WELHAM

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2 =	
N	Winter Storm	4	2	4	2	2	<3.0 1.5	
N	Wildfire	3 1	2 1	3 1	4 1	2	<2.7 6.0	
N	Radon Exposure	4	2	2	1	4	<2.7	
M	Utility Interruption	3	2	2	3	2	2.4 =	
N	Tornado	2	3	2	4	1	<2.4	
N	Pandemic	2	2	3	1	4	2.3 =	
M	Dam Failure	2	2	2	4	3	2.3 >	
N	Drought	2	1	4	1	4	2.2 =	
M	Environmental Hazards	2	2	2	4	2	2.2 =	
M	Transportation Accidents	4	1	1	4	1	<2.2	
M	Urban Fire and Explosion	3	2	1	4	1	<2.2	
N	Subsidence, Sink Holes	3	2	1	4	1	2.2 >	
N	Extreme temperatures	2	1	4	1	1	1.9 =	
M	Civil Disturbances	1	3	1	3	1	1.8 =	
N	Invasive Species	2	1	2	1	4	<1.8	
N	Landslide	1	2	1	4	1	<1.6	
N	Lightning Strike	2	1	1	3	1	1.5 >	
M	Drowning	1	1	1	4	1	1.3 >	

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization:	McVeytown Borough, Oliver Township
Name:	Matt Stringer

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	3.2
N	Winter Storm	4	2	4	2	2	3.0	3.0
N	Wildfire	3	2	3	4	2	2.7	2.0
N	Radon Exposure	4	2	2	1	4	2.7	2.0
M	Utility Interruption	3	2	2	3	2	2.4	3.0
N	Tornado	2	3	2	4	1	2.4	2.4
N	Pandemic	2	2	3	1	4	2.3	2.3
M	Dam Failure	2	2	2	4	3	2.3	2.3
N	Drought	2	1	4	1	4	2.2	2.2
M	Environmental Hazards	2	2	2	4	2	2.2	2.2
M	Transportation Accidents	4	1	1	4	1	2.2	2.2
M	Urban Fire and Explosion	3	2	1	4	1	2.2	2.3
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	2.2
N	Extreme temperatures	2	1	4	1	1	1.9	2.0
M	Civil Disturbances	1	3	1	3	1	1.8	1.8
N	Invasive Species	2	1	2	1	4	1.8	1.8
N	Landslide	1	2	1	4	1	1.6	1.6
N	Lightning Strike	2	1	1	3	1	1.5	1.5
M	Drowning	1	1	1	4	1	1.3	2.0

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization:	Menno Township
Name:	John Allison

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	<
N	Winter Storm	4	2	4	2	2	3.0	=
N	Wildfire	3	2	3	4	2	2.7	>
N	Radon Exposure	4	2	2	1	4	2.7	=
M	Utility Interruption	3	2	2	3	2	2.4	=
N	Tornado	2	3	2	4	1	2.4	=
N	Pandemic	2	2	3	1	4	2.3	=
M	Dam Failure	2	2	2	4	3	2.3	<
N	Drought	2	1	4	1	4	2.2	=
M	Environmental Hazards	2	2	2	4	2	2.2	=
M	Transportation Accidents	4	1	1	4	1	2.2	=
M	Urban Fire and Explosion	3	2	1	4	1	2.2	=
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	=
N	Extreme temperatures	2	1	4	1	1	1.9	=
M	Civil Disturbances	1	3	1	3	1	1.8	=
N	Invasive Species	2	1	2	1	4	1.8	>
N	Landslide	1	2	1	4	1	1.6	=
N	Lightning Strike	2	1	1	3	1	1.5	=
M	Drowning	1	1	1	4	1	1.3	=

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization:	Wayne Township
Name:	Theodore M. Reed

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	3.2 =
N	Winter Storm	4	2	4	2	2	3.0	> 3.2
N	Wildfire	3	2	3	4	2	2.7	> 3
N	Radon Exposure	4	2	2	1	4	2.7	=
M	Utility Interruption	3	2	2	3	2	2.4	> 3.5
N	Tornado	2	3	2	4	1	2.4	=
N	Pandemic	2	2	3	1	4	2.3	=
M	Dam Failure	2	2	2	4	3	2.3	=
N	Drought	2	1	4	1	4	2.2	=
M	Environmental Hazards	2	2	2	4	2	2.2	=
M	Transportation Accidents	4	1	1	4	1	2.2	=
M	Urban Fire and Explosion	3	2	1	4	1	2.2	=
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	=
N	Extreme temperatures	2	1	4	1	1	1.9	=
M	Civil Disturbances	1	3	1	3	1	1.8	=
N	Invasive Species	2	1	2	1	4	1.8	=
N	Landslide	1	2	1	4	1	1.6	=
N	Lightning Strike	2	1	1	3	1	1.5	=
M	Drowning	1	1	1	4	1	1.3	=

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization: American Red Cross - Mifflin County PA Chapter
 Name: Christa Schultz

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	3.5
N	Winter Storm	4	2	4	2	2	3.0	3
N	Wildfire	3	2	3	4	2	2.7	2.5
N	Radon Exposure	4	2	2	1	4	2.7	2.5
M	Utility Interruption	3	2	2	3	2	2.4	3
N	Tornado	2	3	2	4	1	2.4	2.4
N	Pandemic	2	2	3	1	4	2.3	2.0
M	Dam Failure	2	2	2	4	3	2.3	2.2
N	Drought	2	1	4	1	4	2.2	2.2
M	Environmental Hazards	2	2	2	4	2	2.2	2.2
M	Transportation Accidents	4	1	1	4	1	2.2	2.5
M	Urban Fire and Explosion	3	2	1	4	1	2.2	3.0
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	2.5
N	Extreme temperatures	2	1	4	1	1	1.9	1.5
M	Civil Disturbances	1	3	1	3	1	1.8	1.5
N	Invasive Species	2	1	2	1	4	1.8	1.8
N	Landslide	1	2	1	4	1	1.6	1.6
N	Lightning Strike	2	1	1	3	1	1.5	1.5
M	Drowning	1	1	1	4	1	1.3	1.3

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization:	<i>Lewisburg Water Authority</i>
Name:	<i>Craig Bubb</i>

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	<i>3.5</i>
N	Winter Storm	4	2	4	2	2	3.0	<i>3.5</i>
N	Wildfire	3	2	3	4	2	2.7	<i>3</i>
N	Radon Exposure	4	2	2	1	4	2.7	<i>2</i>
M	Utility Interruption	3	2	2	3	2	2.4	<i>3.5</i>
N	Tornado	2	3	2	4	1	2.4	<i>2</i>
N	Pandemic	2	2	3	1	4	2.3	<i>2</i>
M	Dam Failure	2	2	2	4	3	2.3	<i>4</i>
N	Drought	2	1	4	1	4	2.2	<i>4</i>
M	Environmental Hazards	2	2	2	4	2	2.2	<i>3.5</i>
M	Transportation Accidents	4	1	1	4	1	2.2	<i>3</i>
M	Urban Fire and Explosion	3	2	1	4	1	2.2	<i>2.2</i>
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	<i>2.5</i>
N	Extreme temperatures	2	1	4	1	1	1.9	<i>1.9</i>
M	Civil Disturbances	1	3	1	3	1	1.8	<i>1.8</i>
N	Invasive Species	2	1	2	1	4	1.8	<i>2</i>
N	Landslide	1	2	1	4	1	1.6	<i>2</i>
N	Lightning Strike	2	1	1	3	1	1.5	<i>2</i>
M	Drowning	1	1	1	4	1	1.3	<i>1.5</i>

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization: MIFFLIN COUNTY
 Name: ROBERT POSTAL

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	3.5
N	Winter Storm	4	2	4	2	2	3.0	3.0
N	Wildfire	3	2	3	4	2	2.7	2.0
N	Radon Exposure	4	2	2	1	4	2.7	3.0
M	Utility Interruption	3	2	2	3	2	2.4	3.0
N	Tornado	2	3	2	4	1	2.4	2.5
N	Pandemic	2	2	3	1	4	2.3	1.0
M	Dam Failure	2	2	2	4	3	2.3	1.0
N	Drought	2	1	4	1	4	2.2	2.0
M	Environmental Hazards	2	2	2	4	2	2.2	3.0
M	Transportation Accidents	4	1	1	4	1	2.2	3.5
M	Urban Fire and Explosion	3	2	1	4	1	2.2	2.5
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	3.0
N	Extreme temperatures	2	1	4	1	1	1.9	1.0
M	Civil Disturbances	1	3	1	3	1	1.8	1.0
N	Invasive Species	2	1	2	1	4	1.8	2.5
N	Landslide	1	2	1	4	1	1.6	1.0
N	Lightning Strike	2	1	1	3	1	1.5	2.0
M	Drowning	1	1	1	4	1	1.3	2.5

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization:	MCZDC
Name:	Dennis White

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	3.2
N	Winter Storm	4	2	4	2	2	3.0	3.0
N	Wildfire	3	2	3	4	2	2.7	1.0
N	Radon Exposure	4	2	2	1	4	2.7	2.0
M	Utility Interruption	3	2	2	3	2	2.4	3.0
N	Tornado	2	3	2	4	1	2.4	1.0
N	Pandemic	2	2	3	1	4	2.3	1.0
M	Dam Failure	2	2	2	4	3	2.3	1.0
N	Drought	2	1	4	1	4	2.2	0
M	Environmental Hazards	2	2	2	4	2	2.2	2.0
M	Transportation Accidents	4	1	1	4	1	2.2	3.5
M	Urban Fire and Explosion	3	2	1	4	1	2.2	3.5
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	2.5
N	Extreme temperatures	2	1	4	1	1	1.9	1.
M	Civil Disturbances	1	3	1	3	1	1.8	0
N	Invasive Species	2	1	2	1	4	1.8	0
N	Landslide	1	2	1	4	1	1.6	0
N	Lightning Strike	2	1	1	3	1	1.5	.5
M	Drowning	1	1	1	4	1	1.3	0

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization:	<i>MCSO</i>
Name:	<i>Paul Meadows</i>

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	<i>3.5</i>
N	Winter Storm	4	2	4	2	2	3.0	<i>3.0</i>
N	Wildfire	3	2	3	4	2	2.7	<i>2.0</i>
N	Radon Exposure	4	2	2	1	4	2.7	<i>2.0</i>
M	Utility Interruption	3	2	2	3	2	2.4	<i>2.0</i>
N	Tornado	2	3	2	4	1	2.4	<i>1.5</i>
N	Pandemic	2	2	3	1	4	2.3	<i>2.0</i>
M	Dam Failure	2	2	2	4	3	2.3	<i>2.3</i>
N	Drought	2	1	4	1	4	2.2	<i>1.5</i>
M	Environmental Hazards	2	2	2	4	2	2.2	<i>2.5</i>
M	Transportation Accidents	4	1	1	4	1	2.2	<i>2.5</i>
M	Urban Fire and Explosion	3	2	1	4	1	2.2	<i>2.5</i>
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	<i>1.5</i>
N	Extreme temperatures	2	1	4	1	1	1.9	<i>2.5</i>
M	Civil Disturbances	1	3	1	3	1	1.8	<i>2.5</i>
N	Invasive Species	2	1	2	1	4	1.8	<i>2.5</i>
N	Landslide	1	2	1	4	1	1.6	<i>2.5</i>
N	Lightning Strike	2	1	1	3	1	1.5	<i>1.5</i>
M	Drowning	1	1	1	4	1	1.3	<i>2.0</i>

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization:	Shelter Service, Inc.
Name:	Jane Neff

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	=
N	Winter Storm	4	2	4	2	2	3.0	=
N	Wildfire	3	2	3	4	2	2.7	=
N	Radon Exposure	4	2	2	1	4	2.7	=
M	Utility Interruption	3	2	2	3	2	2.4	=
N	Tornado	2	3	2	4	1	2.4	=
N	Pandemic	2	2	3	1	4	2.3	=
M	Dam Failure	2	2	2	4	3	2.3	=
N	Drought	2	1	4	1	4	2.2	=
M	Environmental Hazards	2	2	2	4	2	2.2	>
M	Transportation Accidents	4	1	1	4	1	2.2	>
M	Urban Fire and Explosion	3	2	1	4	1	2.2	=
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	=
N	Extreme temperatures	2	1	4	1	1	1.9	=
M	Civil Disturbances	1	3	1	3	1	1.8	>
N	Invasive Species	2	1	2	1	4	1.8	=
N	Landslide	1	2	1	4	1	1.6	=
N	Lightning Strike	2	1	1	3	1	1.5	=
M	Drowning	1	1	1	4	1	1.3	=

Jurisdictional Risk Evaluation

Use this worksheet to identify the unique impacts of hazards in your municipality and provide any additional comments on hazard profiles or ranking. The hazards are listed in the order that they were ranked in the 2014 Hazard Mitigation Plan.

Municipality/Organization: Valley View Retirement Community
 Name: *[Signature]* MATTHEW MOON

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	0
N	Winter Storm	4	2	4	2	2	3.0	3.0
N	Wildfire	3	2	3	4	2	2.7	2.7
N	Radon Exposure	4	2	2	1	4	2.7	2.7
M	Utility Interruption	3	2	2	3	2	2.4	3.0
N	Tornado	2	3	2	4	1	2.4	2.0
N	Pandemic	2	2	3	1	4	2.3	3.0
M	Dam Failure	2	2	2	4	3	2.3	1.3
N	Drought	2	1	4	1	4	2.2	2.2
M	Environmental Hazards	2	2	2	4	2	2.2	2.2
M	Transportation Accidents	4	1	1	4	1	2.2	3.0
M	Urban Fire and Explosion	3	2	1	4	1	2.2	3.0
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	2.2
N	Extreme temperatures	2	1	4	1	1	1.9	2.0
M	Civil Disturbances	1	3	1	3	1	1.8	1.8
N	Invasive Species	2	1	2	1	4	1.8	2.0
N	Landslide	1	2	1	4	1	1.6	1.6
N	Lightning Strike	2	1	1	3	1	1.5	2.0
M	Drowning	1	1	1	4	1	1.3	1.3

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **Mifflin County**

Name and Title: William Gomes, Director, Planning and Development Department

Phone: 717-242-0887

Email: wgomes@mifflinco.org

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	453	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	\$572,869 (premium), \$49,514,600 (coverage)	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	503	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	\$4,245,626	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	31	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	1,803	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator		
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator		
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator		

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator		
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator		
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	N/A	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	N/A	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	01/13/2011 (Lewistown Borough)	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	N/A	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	N/A	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator		
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator		
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	2 municipalities participate	

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	N/A	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	N/A	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator		

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **Armagh Township**

Name and Title: Michael Reed

Phone: 717-363-1167

Email: N/A

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	54	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	\$36,416 (premium), \$3,680,900 (coverage)	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	51	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	\$260,378	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	2	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	282	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator	No	
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator	No	
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator	Part of land development/subdivision plans.	

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator	Involves surveyor/engineer, elevation maps, insurance maps	
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator	FEMA flood maps are inaccurate, places that will not flood but are represented in the map as location in flood zone; process to amend map is costly	
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	Yes	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	None listed	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	4/03/1990	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	None listed	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	8/19/91	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital - 8/16/06	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator	Regulations meet FEMA or State minimum requirements	
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator	Locate property on flood maps, determine if the property is in the flood zone; administrator goes through checklist, hire a surveyor, obtain a certificate from engineer	
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	No	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	N/A	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	N/A	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator	N/A	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **Bratton Township**

Name and Title: John Hendricks, Codes Officer

Phone: 717-899-5108

Email: N/A

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	4	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	\$4,827 (premium), \$503,100 (coverage)	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	26	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	\$299,404	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	6	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	45	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator	No	
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator	No	
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator	Stand alone	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator	Permit review: check compliance of building elevation. Utilize flood maps and fieldwork to scale distance to the furthest part of the property that is not located in the flood zone. Utilize consultant engineer. Conduct map amendments.	
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator	Restudy the area to understand elevations, updated maps	
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	Yes	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	None listed	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	3/14/1990	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	None listed	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	12/15/78	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital - 8/16/06	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator	Meet	
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator	Plans are reviewed and then reviewed by engineers.	
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	No	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	N/A	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	N/A	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator		

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **Brown Township**

Name and Title: Raymond Burns

Phone: 484-599-0270

Email: brownzoning@gmail.com

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	39	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	\$39,432 (premium), \$3,295,500 (coverage)	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	82	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	\$328,017	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	0	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	107	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator	No	
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator	No	
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator	Part of zoning/subdivision	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator	Utilize ordinances, GIS maps, and engineers	
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator	No	
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	Yes	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	None listed	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	4/03/1990	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	None listed	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	8/19/91	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital - 8/16/06	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator	Meet	
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator	If a Project is in the floodplain, they must apply for a zoning permit, then it must go to DCNR for compliance	
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	No	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	N/A	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	N/A	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator	No	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **Burnham Borough**

Name and Title: Noah Wise, Supervisor

Phone: 717-248-2692

Email: Not provided

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	16	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	\$155,865 (premium), \$6,401,200 (coverage)	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	19	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	\$248,008	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	0	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	95	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator		
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator		
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator		

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator		
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator		
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	Yes	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	None listed	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	7/20/1989	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	None listed	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	2/15/78	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital - 8/16/06	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator		
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator		
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	No	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	N/A	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	N/A	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator		

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **Decatur Township**

Name and Title: Michelle Snook, Secretary/Treasurer

Phone: 717-543-5442

Email: decsec@ymail.com

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	7	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	\$6,685 (premium), \$943,500 (coverage)	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	2	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	\$4,315	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	0	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	47	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator		
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator		
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator		

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator		
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator		
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	Yes	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	None listed	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	3/14/1990	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	None listed	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	6/01/87	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital - 8/16/06	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator		
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator		
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	No	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	N/A	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	N/A	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator		

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **Derry Township**

Name and Title: Ronald Napikoski, Township Vice-Chairman

Phone: 717-242-7173

Email: renapikoski@geisinger.edu

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	64	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	\$85,087 (premium), \$5,891,900 (coverage)	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	89	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	\$1,245,068	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	6	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	241	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator		
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator		
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator		

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator		
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator		
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	Yes	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	None listed	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	4/03/1990	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	None listed	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	9/01/78	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital - 8/16/06	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator		
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator		
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	No	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	N/A	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	N/A	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator		

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **Granville Township**

Name and Title: Lisa Swisher, Manager/Secretary/Treasurer

Phone: 717-242-2334

Email: gtsupers@comcast.net

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	46	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	\$39,441 (premium), \$5,620,500 (coverage)	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	23	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	\$200,335	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	4	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	180	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator		
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator		
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator		

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator		
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator		
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	Yes	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	None listed	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	4/03/1990	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	Possibly for CRS	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	8/15/78	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital - 8/16/06	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator		
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator		
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	Yes	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	9	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	Dams, Drainage System Maintenance, Elevation Certificates, Flood Data Maintenance, Hazard Disclosure, Higher Regulatory Standards, Map Information, Outreach Projects, Stormwater Management	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator		

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **Juniata Terrace Borough**

Name and Title: Brooke Knable, Secretary

Phone: 717-248-4383

Email: borough@juniataterrace.net

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	0	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	N/A	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	N/A	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	N/A	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	N/A	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	0	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator		
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator		
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator		

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator		
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator		
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	N/A	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	N/A	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	N/A	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	N/A	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	N/A	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital - 8/16/06	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator		
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator		
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	No	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	N/A	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	N/A	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator		

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **Kistler Borough**

Name and Title: Cynthia Hobbs, Secretary

Phone: 814-542-8615

Email: chmom@hotmail.com

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	9	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	\$7,932 (premium), \$828,600 (coverage)	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	3	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	\$7,479	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	0	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	15	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator		
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator		
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator		

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator		
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator		
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	Yes	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	None listed	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	None listed	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	Possibly for CRS	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	9/15/77	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital - 8/16/06	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator		
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator		
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	No	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	N/A	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	N/A	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator		

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **Lewistown Borough**

Name and Title: Rex Fink, Codes and Zoning Officer

Phone: 717-242-1145

Email: rfink@lewistownborough.com

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	166	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	\$160,497 (premium), \$18,096,800 (coverage)	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	110	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	\$696,474	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	4	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	240	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator	No	
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator	No	
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator	Standalone	

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator	Send outreach to all properties in region	
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator	Cost	
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	Yes	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	None listed	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	1/13/2011	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	None listed	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	8/15/78	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital - 8/16/06	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator	Meet	
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator	Look at maps to see if property is in the flood zone, coverage is looked at and ordinances are reviewed	
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	Yes	

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	8	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	Dams, Elevation Certificates, Flood Data Maintenance, Hazard Disclosure, Higher Regulatory Standards, Map Information, Outreach Projects, Stormwater Management	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator	No, don't have the staff	

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **McVeytown Borough**

Name and Title: Matthew Stringer, Code Enforcement

Phone: 717-899-7436

Email: Boroman1@verizon.net

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	2	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	\$489 (premium), \$203,000 (coverage)	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	5	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	\$116,234	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	0	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	14	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator	No	
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator	No	
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator	Zoning	

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator	Local GIS floodplain maps utilized to see if property is in flood zone, contact the owners to get it surveyed	
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator	None, few if any homes located in floodplain	
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	Yes	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	None listed	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	None listed	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	None listed	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	6/01/87	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital - 8/16/06	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator	Meet	
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator	Local GIS floodplain maps utilized to see if property is in flood zone, contact the owners to get it surveyed, permit is then issued	
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	No	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	N/A	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	N/A	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator	N/A	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **Menno Township**

Name and Title: Harold E. Johnson, Jr., Secretary/Treasurer

Phone: 717-483-6015

Email: hojo@embarqmail.com

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	0	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	N/A	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	N/A	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	N/A	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	N/A	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	16	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator		
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator		
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator		

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator		
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator		
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	Yes	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	None listed	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	4/03/1990	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	None listed	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	6/01/87	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital - 8/16/06	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator		
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator		
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	No	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	N/A	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	N/A	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator		

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **Newton Hamilton Borough**

Name and Title: Laura Johnson, Secretary

Phone: 814-251-5100

Email: laura20v@hotmail.com

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	5	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	\$2,498 (premium), \$155,000 (coverage)	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	17	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	\$169,629	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	3	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	32	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator		
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator		
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator		

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator		
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator		
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	Yes	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	None listed	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	8/15/1988	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	None listed	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	2/15/78	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital - 8/16/06	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator		
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator		
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	No	

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	N/A	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	N/A	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator		

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **Oliver Township**

Name and Title: John Hendricks, Codes Officer

Phone: 717-899-5108

Email: Not provided

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	14	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	\$9,897 (premium), \$896,300 (coverage)	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	15	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	\$77,444	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	1	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	166	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator	No	
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator	No	
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator	Stand alone	

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator	Permit review: check compliance of building elevation. Utilize flood maps and fieldwork to scale distance to the furthest part of the property that is not located in the flood zone. Utilize consultant engineer. Conduct map amendments.	
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator	Restudy the area to understand elevations, updated maps	
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	Yes	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	None listed	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	4/03/1990	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	None listed	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	9/17/80	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital - 8/16/06	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator	Meet	
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator	Plans are reviewed and then reviewed by engineers.	
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	No	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	N/A	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	N/A	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator	No	

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **Union Township**

Name and Title: Ann Thompson, Township Supervisor

Phone: 717-935-2890

Email: _____

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	6	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	\$7,244 (premium), \$613,100 (coverage)	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	10	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	\$49,213	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	0	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	59	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator		
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator		
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator		

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator		
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator		
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	Yes	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	None listed	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	4/03/1990	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	None listed	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	6/01/87	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital - 8/16/06	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator		
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator		
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	No	

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	N/A	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	N/A	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator		

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

National Flood Insurance Program (NFIP) Compliance and Capabilities Worksheet

Jurisdiction: **Wayne Township**

Name and Title: Denise Coder, Secretary

Phone: 717-899-7430

Email: Waynetwp1@gmail.com

Use the following worksheet to collect information on your community's participation in and continued compliance with the NFIP and identify areas for improvement that could be potential mitigation actions.

NFIP Topic	Source of Information	Response	Community Comments
Insurance Summary			
<i>How many NFIP policies are in the community?</i>	CIS (provided by consultant)	21	
<i>What is the total premium and coverage?</i>	CIS (provided by consultant)	\$16,559 (premium), \$2,385,200 (coverage)	
<i>How many claims have been paid in the community?</i>	CIS (provided by consultant)	51	
<i>What is the total amount of paid claims?</i>	CIS (provided by consultant)	\$543,628	
<i>How many of the claims were for substantial damage?</i>	CIS (provided by consultant)	5	
<i>How many structures are exposed to flood risk within the community?</i>	Provided in Risk Assessment Flood Profile of HMP	264	
<i>Do any areas of your community regularly flood, but do not have NFIP policies? Please describe.</i>	Community floodplain administrator	No	
Staff Resources			
<i>Is the Community Floodplain Administrator or NFIP Coordinator certified?</i>	Community floodplain administrator	No	
<i>Do you have a standalone floodplain management ordinance, or is it part of your zoning/subdivision regulations?</i>	Community floodplain administrator	Standalone	

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).</i>	Community floodplain administrator	Use GIS to see if property is in floodplain, Engineers are consulted if so	
<i>What are the barriers to running an effective NFIP program in the community?</i>	Community floodplain administrator	N/A	
Compliance History			
<i>Is the community in good standing with the NFIP?</i>	CIS (provided by consultant)	Yes	
<i>Are there any outstanding compliance issues (i.e., current violations)?</i>	CIS (provided by consultant)	None listed	
<i>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</i>	CIS (provided by consultant)	5/29/1992	
<i>Is a CAV or CAC scheduled or needed?</i>	CIS (provided by consultant)	None listed	
Regulation			
<i>When did the community enter the NFIP?</i>	CIS (provided by consultant)	3/02/81	
<i>Are the FIRMS digital or paper?</i>	CIS (provided by consultant)	Digital - 8/16/06	
<i>Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?</i>	Community floodplain administrator	Meet	
<i>Provide an explanation of the permitting process.</i>	Community floodplain administrator	Utilize GIS map to see if property is located in Floodplain, if so owners hire engineer to see where the flood elevation is. Next step is to then refer to ordinance again for building procedure.	
Community Rating System (CRS)			
<i>Does the community participate in CRS?</i>	CIS (provided by consultant)	No	

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Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

NFIP Topic	Source of Information	Response	Community Comments
<i>What is the community's CRS Class Ranking?</i>	CIS (provided by consultant)	N/A	
<i>What existing categories does your community have that provide CRS points? and how can the class be improved?</i>	CIS (provided by consultant)	N/A	
<i>Are you seeking to increase your community's CRS activity?</i>	Community floodplain administrator	N/A	

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Mifflin County - Mitigation Action Progress Report Form

ACTION	STATUS				STATUS UPDATE NOTES What was accomplished for this action during this reporting period? What obstacles, problems, or delays were encountered? If not completed, is the action still relevant? Should the action and/or the anticipated completion date be revised? Do you have any other comments?
	Completed	Canceled	Deferred	Ongoing	
Continue to encourage routine inspection and maintenance of bridges.				X	Deferred = N/A
Continue open communications with dam owners to ensure all of the County's dams are structurally sound.			X	X	
Encourage municipalities to develop and enact storm water management ordinances consistent with Act 167 Storm water Management Plans.	X				
Collect and analyze data on the specific locations and damages caused by flooding in each of the municipalities in Mifflin County to include in the 5-year update of the Hazard Mitigation Plan.				X	
Adopt a county-wide post-disaster recovery and reconstruction ordinance using the model ordinance included in the APA/FEMA PAS Report No. 483/484.			X		
Ensure County and municipal subdivision and land development ordinances are consistent with Chapter 102 Erosion & Sedimentation Control Requirements.	X				
Encourage the acquisition and demolition, or elevation of structures in flood prone areas.			X		
Work with municipalities to regularly inspect culverts.				X	

Mifflin County 2019 Hazard Mitigation Plan Update

ACTION	STATUS				STATUS UPDATE NOTES What was accomplished for this action during this reporting period? What obstacles, problems, or delays were encountered? If not completed, is the action still relevant? Should the action and/or the anticipated completion date be revised? Do you have any other comments?
	Completed	Canceled	Deferred	Ongoing	
Work with municipalities to create and maintain a County-wide database of streams prone to back-up and flooding.				X	
Conduct a thorough critical facilities vulnerability assessment and impact analysis using HMP's GIS-based critical infrastructure history.			X		
Conduct analysis on the future demand for expanded infrastructure and critical facilities in Mifflin County.				X	<i>sewer</i>
Continue to encourage the development of safety buffers between industrial facilities and the population.				X	
Encourage and enforce as necessary the requirement of special use permits for hazard-prone areas.			X		
Continue to encourage the review of planned infrastructure to ensure that it will be developed outside of hazard-prone areas.				X	
Evaluate and refine the County's repetitive loss structures list by ranking properties based on the number of losses and the value of the claims paid and target the priority properties for buyout opportunities.			X		
Coordinate with the municipal zoning boards to stop growth in the floodplain.				X	

Mifflin County 2019 Hazard Mitigation Plan Update

ACTION	STATUS				STATUS UPDATE NOTES What was accomplished for this action during this reporting period? What obstacles, problems, or delays were encountered? If not completed, is the action still relevant? Should the action and/or the anticipated completion date be revised? Do you have any other comments?
	Completed	Canceled	Deferred	Ongoing	
Implement a County Coalition program to staff and fund a full-time county engineer that would be shared by both county and participating municipalities to provide technical reviews and inspections.			X		
Continue the integration of the 5-year maintenance cycle of the Hazard Mitigation Plan with both the 10-year and biennial review and maintenance cycles of the County Comprehensive Plan and the County Emergency Operations Plan, respectively.				X	
Update the Mifflin County's Emergency Operations Plan to be consistent with the National Response Plan.				X	
Continue to encourage multi-jurisdictional exercises and drills.				X	
Maintain an inventory of equipment used for emergency response			X	X	
Maintain a web-based inventory of the County's at-risk populations to strengthen emergency response and evacuations.			X		
Maintain a list of repetitive loss structures from the Governor's Center for Local Government Service's NFIP Coordinator and incorporate the data into the County Hazard Mitigation Planning Project.			X		
Continue to work with municipalities to identify and incorporate hazard mitigation project opportunities to include in the 5-year update of the HMP.				X	

Mifflin County 2019 Hazard Mitigation Plan Update

ACTION	STATUS				STATUS UPDATE NOTES What was accomplished for this action during this reporting period? What obstacles, problems, or delays were encountered? If not completed, is the action still relevant? Should the action and/or the anticipated completion date be revised? Do you have any other comments?
	Completed	Canceled	Deferred	Ongoing	
Collect and analyze data on the specific impacts that all identified hazards have on Mifflin County and its municipalities to include in the 5-year update of the Hazard Mitigation Plan.				X	
Implement a County-wide electronic damage assessment management tool to increase the efficiency of county and municipal damage survey and reporting.			X		
Create a GIS dataset of the locations of the SARA facilities in Mifflin County to analyze their vulnerability to potential hazards.			X		
Review and approve the Mifflin County DFIRM information and incorporate the data into the County GIS.				X	
Cooperate with local media to produce regular public service announcements or news releases on hazard risk, safety, and the importance of mitigation.				X	
Continue to disseminate information on the County website for residents that explains the risk of hazards, outlines precautionary measures that can be taken to help reduce impacts of disaster to themselves and their property, and emphasizes the value of hazard mitigation.			X		
Conduct outreach to municipalities to ensure compliance with NFIP.				X	

*Derry Township
Crescent Leukemia Hospital
Ron Nagel*

Mifflin County - Mitigation Action Progress Report Form

ACTION	STATUS				STATUS UPDATE NOTES
	Completed	Canceled	Deferred	Ongoing	What was accomplished for this action during this reporting period? What obstacles, problems, or delays were encountered? If not completed, is the action still relevant? Should the action and/or the anticipated completion date be revised? Do you have any other comments?
Continue to encourage routine inspection and maintenance of bridges.				X	<i>County plan - working with county on grants</i>
Continue open communications with dam owners to ensure all of the County's dams are structurally sound.					
Encourage municipalities to develop and enact storm water management ordinances consistent with Act 167 Storm water Management Plans.	X				<i>current in delay</i>
Collect and analyze data on the specific locations and damages caused by flooding in each of the municipalities in Mifflin County to include in the 5-year update of the Hazard Mitigation Plan.					
Adopt a county-wide post-disaster recovery and reconstruction ordinance using the model ordinance included in the APA/FEMA PAS Report No. 483/484.					
Ensure County and municipal subdivision and land development ordinances are consistent with Chapter 102 Erosion & Sedimentation Control Requirements.	X				<i>current in delay</i>
Encourage the acquisition and demolition, or elevation of structures in flood prone areas.				X	
Work with municipalities to regularly inspect culverts.				X	

Mifflin County 2019 Hazard Mitigation Plan Update

ACTION	STATUS				STATUS UPDATE NOTES What was accomplished for this action during this reporting period? What obstacles, problems, or delays were encountered? If not completed, is the action still relevant? Should the action and/or the anticipated completion date be revised? Do you have any other comments?
	Completed	Canceled	Deferred	Ongoing	
Work with municipalities to create and maintain a County-wide database of streams prone to back-up and flooding.				X	
Conduct a thorough critical facilities vulnerability assessment and impact analysis using HMP's GIS-based critical infrastructure history.					
Conduct analysis on the future demand for expanded infrastructure and critical facilities in Mifflin County.					
Continue to encourage the development of safety buffers between industrial facilities and the population.				X	
Encourage and enforce as necessary the requirement of special use permits for hazard-prone areas.					
Continue to encourage the review of planned infrastructure to ensure that it will be developed outside of hazard-prone areas.				X	Coordinated w/ County
Evaluate and refine the County's repetitive loss structures list by ranking properties based on the number of losses and the value of the claims paid and target the priority properties for buyout opportunities.					
Coordinate with the municipal zoning boards to stop growth in the floodplain.				X	

Mifflin County 2019 Hazard Mitigation Plan Update

ACTION	STATUS				STATUS UPDATE NOTES What was accomplished for this action during this reporting period? What obstacles, problems, or delays were encountered? If not completed, is the action still relevant? Should the action and/or the anticipated completion date be revised? Do you have any other comments?
	Completed	Canceled	Deferred	Ongoing	
Implement a County Coalition program to staff and fund a full-time county engineer that would be shared by both county and participating municipalities to provide technical reviews and inspections.					
Continue the integration of the 5-year maintenance cycle of the Hazard Mitigation Plan with both the 10-year and biennial review and maintenance cycles of the County Comprehensive Plan and the County Emergency Operations Plan, respectively.					
Update the Mifflin County's Emergency Operations Plan to be consistent with the National Response Plan.					
Continue to encourage multi-jurisdictional exercises and drills.				X	Geary Em encourages
Maintain an inventory of equipment used for emergency response					
Maintain a web-based inventory of the County's at-risk populations to strengthen emergency response and evacuations.					
Maintain a list of repetitive loss structures from the Governor's Center for Local Government Service's NFIP Coordinator and incorporate the data into the County Hazard Mitigation Planning Project.					
Continue to work with municipalities to identify and incorporate hazard mitigation project opportunities to include in the 5-year update of the HMP.					

Mifflin County 2019 Hazard Mitigation Plan Update

ACTION	STATUS				STATUS UPDATE NOTES What was accomplished for this action during this reporting period? What obstacles, problems, or delays were encountered? If not completed, is the action still relevant? Should the action and/or the anticipated completion date be revised? Do you have any other comments?
	Completed	Canceled	Deferred	Ongoing	
Collect and analyze data on the specific impacts that all identified hazards have on Mifflin County and its municipalities to include in the 5-year update of the Hazard Mitigation Plan.					
Implement a County-wide electronic damage assessment management tool to increase the efficiency of county and municipal damage survey and reporting.					
Create a GIS dataset of the locations of the SARA facilities in Mifflin County to analyze their vulnerability to potential hazards.					
Review and approve the Mifflin County DFIRM information and incorporate the data into the County GIS.					
Cooperate with local media to produce regular public service announcements or news releases on hazard risk, safety, and the importance of mitigation.					
Continue to disseminate information on the County website for residents that explains the risk of hazards, outlines precautionary measures that can be taken to help reduce impacts of disaster to themselves and their property, and emphasizes the value of hazard mitigation.					
Conduct outreach to municipalities to ensure compliance with NFIP.					

Mifflin County 2019 Hazard Mitigation Plan Update

ACTION	STATUS				STATUS UPDATE NOTES What was accomplished for this action during this reporting period? What obstacles, problems, or delays were encountered? If not completed, is the action still relevant? Should the action and/or the anticipated completion date be revised? Do you have any other comments?
	Completed	Canceled	Deferred	Ongoing	
Develop informational workshops on risk and mitigation for property owners in areas prone to flooding.					
Establish relationships with civic groups to encourage mitigation actions.					
Promote C.E.R.T recruitment and training.					
Continue to include municipal leaders regarding risk, severity, and preparedness tips for seasonal hazards.				X	Worship County
Develop MOUs/MOAs with neighboring counties and jurisdictions regarding information sharing, resource allocation, and COOP locations for use during times of disaster.				X	Geisinger Hospital participates
Work with the medical suppliers to develop MOUs/MOAs for use during disasters.				X	"
Work with non-medical suppliers to develop MOUs/MOAs for use during disasters.				X	"
Develop workshops with the Chamber of Commerce emphasizing the importance of Continuity of Operations planning for all businesses.					

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency Armagh Township

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title:	
Assessing the Risk	
Hazard(s) addressed	Flooding
Describing the Action	
Background/Issue action addresses	Sinkhole is blocked with debris from Laurel Creek which empties into this sinkhole. During major rain storms causes flooding of Creek Drive (Naginey) dwellings.
Action description	Township engineer looked at site and determined what is needed (equipment/man power) to clean the site.
Action category	Project implementation.
Existing, Future, or NA	The township would contact land owner where sinkhole is located and get permission to clean sinkhole and place materials on his field if possible.
Evaluating the Action	
Losses avoided (i.e. benefits)	Flooding of homes on Creek Drive and avoid damage to the road.
Cost estimate	\$35,000.00
Cost effectiveness (i.e. benefit/cost)	Providing safety to residents/dwellings on Creek Drive.
Priority	Intermediate
Implementing the Action	
Responsible party	Armagh Township Supervisors
Potential Partners	None
Potential funding sources	Municipal General Fund & Grants
Timeline	Dependent on funding/future flooding occurrences.
Integration Opportunities (if any)	None at this time.
Worksheet completed by (name/title)	Brenda Aumiller, Armagh Township Secretary/Supervisor

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency Armagh Township

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title:	
Assessing the Risk	
Hazard(s) addressed	Heavy Rains - Flash Flooding
Describing the Action	
Background/Issue action addresses	Water comes off of mountain above road and runs down T-467 washing pipes out and damaging township road and adjacent yards.
Action description	Township engineer has looked at site and would like to try laying large chunks of concrete in wire mesh along sides of road.
Action category	Structural Project Implementation
Existing, Future, or NA	Future - Install concrete/wire mesh mats.
Evaluating the Action	
Losses avoided (i.e. benefits)	Road being washed out and avoiding damages to neighboring property owner's lawn's.
Cost estimate	\$50,000.00
Cost effectiveness (i.e. benefit/cost)	Save road and preserve lawn's.
Priority	Intermediate to High
Implementing the Action	
Responsible party	Armagh Township Supervisors
Potential Partners	None
Potential funding sources	Municipal General Fund/Grant
Timeline	Hopefully before another flooding occurrence.
Integration Opportunities (if any)	N/A
Worksheet completed by (name/title)	Brenda Aumiller, Armagh Township Secretary/Supervisor

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency _____ Bratton Township _____

Action Title: River Road (T-477)	
Assessing the Risk	
Hazard(s) addressed	Flood and Flash Flooding
Describing the Action	
Background/Issue action addresses	There is an area along River Road (T-477) that floods during heavy rain events or when the near by dam lets water out. The Juniata River causes enough overflow of water to come across the road, causing dangerous road condition and road must be closed. Last year alone road had to be closed at least 12 times. Residents and business owner become unhappy when road is closed.
Action description	The township engineer has looked at this, and he suggested relocated and elevating River Road (T-477). This would minimum flooding to the road and less of an inconvenience to the township residents that use this road.
Action category	Roadway Infrastructure Project
Existing, Future, or NA	Current- The township closes the road when flooding accrues. Future- Elevate the road.
Evaluating the Action	
Losses avoided (i.e., benefits)	Avoid road closers on River Road. Avoid water damage to River Road. Avoiding any injuries that may happen when Road Closed signed are dismissed by residents.
Cost estimate	1.2 Million Dollars
Cost effectiveness (i.e., benefit/cost)	Preserves public road structure. Preserves value of business's and residents homes located on River Road. Along with cost saving for payroll for continually checking roadway for flooding.
Priority	Intermediate
Implementing the Action	
Responsible party	Bratton Township
Potential Partners	None known at this time
Potential funding sources	Municipal General and State fund, any available grant monies
Timeline	Dependent upon future flood occurrences and other weather conditions.
Integration Opportunities (if any)	None
Worksheet completed by (name/title)	Sharina Harshbarger, Bratton Township Secretary

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency MIFFLIN COUNTY, BROWN TOWNSHIP 2019 HAZARD MITIGATION

PLAN UPDATE

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title:	
Assessing the Risk	
Hazard(s) addressed	REDUCING THE RISK/THREAT OF FLOODING
Describing the Action	
Background/Issue action addresses	IN REEDSVILLE (BROWN TOWNSHIP) HOMES BETWEEN HONEY CREEK + WILLOW LANE HAVE BEEN KNOWN
Action description	OUR GRANT IN 2010 PROPOSED INSTALLATION OF AN IMPERMEABLE SHEET PILING BARRIER BUT THE
Action category	STRUCTURE / INFRASTRUCTURE
Existing, Future, or NA	EXISTING / FUTURE
Evaluating the Action	
Losses avoided (i.e., benefits)	AVOID REPEATED DAMAGES TO 81 STRUCTURES IN BROWN TOWNSHIP
Cost estimate	\$ 115,000
Cost effectiveness (i.e., benefit/cost)	IMPROVED HOME VALUES; ENCOURAGE HOME OWNERS TO STAY IN BROWN TOWNSHIP
Priority	INTERMEDIATE
Implementing the Action	
Responsible party	BROWN TOWNSHIP
Potential Partners	NONE
Potential funding sources	MUNICIPAL GENERAL FUND / GRANTS
Timeline	ONGOING TO REPAIR EXISTING BERM
Integration Opportunities (if any)	NONE
Worksheet completed by (name/title)	KAY HAMILTON, BROWN TOWNSHIP SUPERVISOR

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

BACKGROUND (CON'T.)

TO EXPERIENCE FLOODING WHEN HUNGRY CROCK EXPERIENCES HIGH FLOWS. EIGHTY-ONE STRUCTURES HAVE BEEN AFFECTED BY FLOODING, INCLUDING HOUSES, TRAILERS, GARAGES, SHEDS AND POOLS. FLOODING HAS BEEN CONFINED TO THE BASEMENT LEVEL IN ALL THE STRUCTURES, EXCEPT FOR ONE STRUCTURE THAT HAD FLOODING ON THE FIRST FLOOR.

ACTION DESCRIPTION (CON'T.)

COSTS TO DO SO WERE TOO HIGH. CONSEQUENTLY, WE HAVE OUR ACTION AS DESCRIBED BELOW. THESE STEPS ARE INITIAL IMPROVEMENTS WITH THE GOAL OF OBTAINING ADDITIONAL FUNDING IN THE FUTURE THAT WILL ALLOW US TO INSTALL THE BARRIER DESCRIBED ABOVE.

ACTION STEPS PROPOSED NOW ARE AS FOLLOWS:

1. IMPROVEMENTS TO EXISTING STORMWATER PIPING AND INLETS;
2. SPOT REPAIRS OF EXISTING BERM;
3. GEOTECHNICAL INVESTIGATION / TESTING OF THE BERM; AND
4. FINAL ENGINEERING DESIGN

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency **BURNHAM BOROUGH**

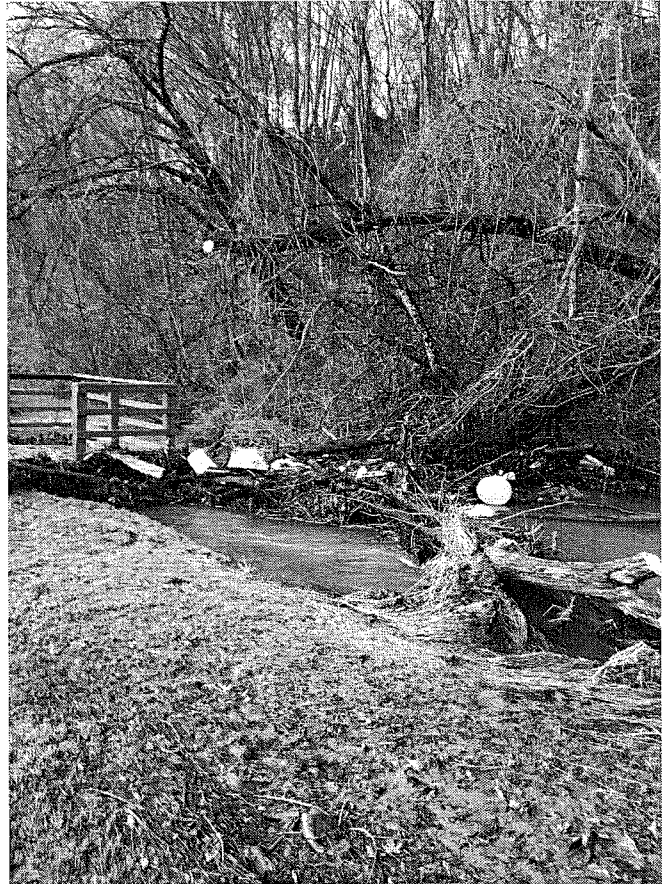
Please complete this worksheet for each new mitigation action. See *Mitigation Ideas: A Resource for Reducing Risk to Natural Hazards* for sample mitigation actions to reduce risk from environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title: HUNDRY RUN STREAM BANK STABILIZATION	
Assessing the Risk	
Hazard(s) addressed	Stream Bank Erosion
Describing the Action	
Background/Issue action addresses	There is erosion of the stream bank, which has caused trees to fall into and across the stream. This causes debris to pile up, which may cause flooding.
Action description	The Borough is going to do a cleanup of the debris and secure the bank with riprap to alleviate the erosion.
Action category	Prevention
Existing, Future, or NA	Current, within the next 60 days weather permitting the Borough will begin this project.
Evaluating the Action	
Losses avoided (i.e., benefits)	Avoid wash out of the bank and debris buildup.
Cost estimate	\$3,000.00
Cost effectiveness (i.e., benefit/cost)	Preservation of the stream bank
Priority	Moderate
Implementing the Action	
Responsible party	Burnham Borough
Potential Partners	None
Potential funding sources	Burnham Borough

Mifflin County 2019 Hazard Mitigation Plan Update

Timeline	Within 60 days
Integration Opportunities (if any)	none
Worksheet completed by (name/title)	Lisa Jyl Hayes/ Borough Secretary Noah Wise/ Supervisor

BURNHAM BOROUGH
Hungry Run Stream Bank Stabilization



Municipality/Organization/Agency: Burnham Borough, PA

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title: McCardle Mobile Home Court Flood Mitigation	
Assessing the Risk	
Hazard(s) addressed	Flooding
Describing the Action	
Background/Issue action addresses	McCardle Mobile Home Court in Burnham, PA is located in the Kishacoquillas Creek floodplain, and regularly floods. Project identified through hazard mitigation process with details yet to be determined.
Action description	Flood mitigation with possible voluntary buyout
Action category	Structure and Infrastructure Projects
Existing, Future, or NA	Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Avoid regular flooding of McCardle Mobile Home Court
Cost estimate	TBD- developed based upon defined mitigation action
Cost effectiveness (i.e., benefit/cost)	TBD- benefit cost analysis performed in conjunction with PEMA
Priority	High (Life Safety)
Implementing the Action	
Responsible party	Burnham Borough
Potential Partners	Mifflin County, property owners, PEMA, DCED
Potential funding sources	Flood Mitigation Program
Timeline	TBD over the next five years
Integration Opportunities (if any)	NA
Worksheet completed by (name/title)	Burnham Borough and Mifflin County

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency DECATUR TOWNSHIP, MIFFLIN COUNTY, PA

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title:	
Assessing the Risk	
Hazard(s) addressed	Flooding
Describing the Action	
Background/Issue action addresses	Improve / replace a structurally deficient bridge possibly reduce the threat of nuisance flooding to adjacent properties.
Action description	Increase or improve / optimize the hydraulic capacity of the existing bridge carrying Shindle Road over an UNT to Jack's Creek
Action category	F-15 Retrofit (replace) Structures and Utilities; F-18 Protect Critical Facilities
Existing, Future, or NA	Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Improve / replace a structurally deficient bridge possibly reduce the threat of nuisance flooding to adjacent properties.
Cost estimate	\$120,000
Cost effectiveness (i.e., benefit/cost)	Project has a high cost / benefit ratio since the work to replace the structure can be performed using Township personnel.
Priority	High
Implementing the Action	
Responsible party	Decatur Township
Potential Partners	Mifflin County Commissioners / Penn DOT
Potential funding sources	Mifflin County Commissioners / Township Liquid Fuel Funds
Timeline	Complete by Fall 2020
Integration Opportunities (if any)	
Worksheet completed by (name/title)	Daniel Taptich, Township Engineer

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency DECATUR TOWNSHIP, MIFFLIN COUNTY, PA

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title:	
Assessing the Risk	
Hazard(s) addressed	Flooding
Describing the Action	
Background/Issue action addresses	Identify / Notify all residents within / adjacent to Flood Prone Areas along Meadow Creek & Jacks Creek
Action description	Educate residents / property Owners about flood mitigation techniques. Develop mailer to send to affected landowners
Action category	F-20 Protect and Preserve natural flood mitigation features; F-23 Education
Existing, Future, or NA	Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Reduce property losses; preserve flood prone areas as open space
Cost estimate	\$7,500.00
Cost effectiveness (i.e., benefit/cost)	The costs for educating / informing residents of existing resources (FEMA, PEMA, etc.) is low and the options for inexpensive mitigation techniques are high.
Priority	Low
Implementing the Action	
Responsible party	Decatur Township
Potential Partners	FEMA, Mifflin County Emergency Management
Potential funding sources	Township General Funds, County Grant
Timeline	2020
Integration Opportunities (if any)	
Worksheet completed by (name/title)	Daniel Taptich, Township Engineer

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency DECATUR TOWNSHIP, MIFFLIN COUNTY, PA

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title:	
Assessing the Risk	
Hazard(s) addressed	Erosion
Describing the Action	
Background/Issue action addresses	Identify areas where existing watercourse run near or adjacent to existing Township Roadway networks
Action description	Develop a database of areas where existing Township facilities encounter existing watercourses; assess and monitor the existing conditions; rehabilitate / repair problem areas.
Action category	ER-1 Map and Assess Vulnerability to Erosion
Existing, Future, or NA	Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Reduce potential losses to public infrastructure.
Cost estimate	\$10,000.00
Cost effectiveness (i.e., benefit/cost)	Documenting / tracking the condition of these area is inexpensive after the initial mapping / assessment.
Priority	Low
Implementing the Action	
Responsible party	Decatur Township
Potential Partners	FEMA, Mifflin County Emergency Management
Potential funding sources	Township General Funds, County Grant
Timeline	2020
Integration Opportunities (if any)	
Worksheet completed by (name/title)	Daniel Taptich, Township Engineer

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency DECATUR TOWNSHIP, MIFFLIN COUNTY, PA

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title:	
Assessing the Risk	
Hazard(s) addressed	Drought
Describing the Action	
Background/Issue action addresses	Large majority of population in this agricultural area rely exclusively on private water supplies.
Action description	Develop a drought emergency plan to identify responses / prioritize actions.
Action category	D-4 Plan for Drought; D-5; D-9
Existing, Future, or NA	Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Mitigate potential loss of livestock / crops due to insufficient water supply
Cost estimate	\$15,000.00
Cost effectiveness (i.e., benefit/cost)	Implementation costs would be significant; planning costs moderate.
Priority	Low
Implementing the Action	
Responsible party	Decatur Township
Potential Partners	FEMA, Mifflin County Emergency Management, Decatur Fire Company
Potential funding sources	Township General Funds, County Grant
Timeline	2022
Integration Opportunities (if any)	
Worksheet completed by (name/title)	Daniel Taptich, Township Engineer

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency DECATUR TOWNSHIP, MIFFLIN COUNTY, PA

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Action Title:	
Assessing the Risk	
Hazard(s) addressed	Wildfires
Describing the Action	
Background/Issue action addresses	Large portions of Decatur Township are wooded and secluded. Most of these areas are sparsely developed with single family and recreational use properties.
Action description	Map / Assess and Plan responses to address wildfires; educate residents on fire safety construction and techniques
Action category	WF-1; WF-10; WF-11
Existing, Future, or NA	Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Mitigate potential loss of life, property and resources
Cost estimate	\$10,000.00
Cost effectiveness (i.e., benefit/cost)	High benefit / cost ratio for education
Priority	Low
Implementing the Action	
Responsible party	Decatur Township
Potential Partners	FEMA, Mifflin County Emergency Management, Decatur Fire Company
Potential funding sources	Township General Funds, County Grant
Timeline	2022
Integration Opportunities (if any)	
Worksheet completed by (name/title)	Daniel Taptich, Township Engineer

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency DECATUR TOWNSHIP, MIFFLIN COUNTY, PA

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Action Title:	
Assessing the Risk	
Hazard(s) addressed	Flooding / Erosion
Describing the Action	
Background/Issue action addresses	Take actions to preserve and protect major Township infrastructure by inspecting and, as necessary repairing structural issues bridge carrying Alfarata Road over Jack's Creek (105)
Action description	Replace existing superstructure, remove existing pier to eliminate collecting debris and exacerbating flooding; stabilize scour at existing abutments.
Action category	F-14; F-17; F-18; ER-5
Existing, Future, or NA	Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Removing the pier will protect adjacent properties from flooding and will help protect the existing structure
Cost estimate	\$400,000
Cost effectiveness (i.e., benefit/cost)	High benefit / cost ratio
Priority	High
Implementing the Action	
Responsible party	Decatur Township
Potential Partners	Penn DOT, Mifflin County
Potential funding sources	Penn DOT 80 / 20 Program, Mifflin County Bridge Fund; Decatur Township Liquid Fuels Account.
Timeline	2022
Integration Opportunities (if any)	
Worksheet completed by (name/title)	Daniel Taptich, Township Engineer

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency DECATUR TOWNSHIP, MIFFLIN COUNTY, PA

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Action Title:	
Assessing the Risk	
Hazard(s) addressed	Flooding / Erosion
Describing the Action	
Background/Issue action addresses	Take actions to preserve and protect major Township infrastructure by inspecting and, as necessary repairing structural issues bridge carrying Hoffman Road over Jack's Creek (111)
Action description	Replace existing superstructure, stabilize scour at existing abutments.
Action category	F-14; F-17; F-18; ER-5
Existing, Future, or NA	Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Removing the existing (deficient) superstructure and placing scour protection at the existing abutments will preserve the life of the structure.
Cost estimate	\$200,000
Cost effectiveness (i.e., benefit/cost)	High benefit / cost ratio
Priority	High
Implementing the Action	
Responsible party	Decatur Township
Potential Partners	Penn DOT, Mifflin County
Potential funding sources	Penn DOT 80 / 20 Program, Mifflin County Bridge Fund; Decatur Township Liquid Fuels Account.
Timeline	2021
Integration Opportunities (if any)	
Worksheet completed by (name/title)	Daniel Taptich, Township Engineer

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency DECATUR TOWNSHIP, MIFFLIN COUNTY, PA

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Action Title:	
Assessing the Risk	
Hazard(s) addressed	Flooding / Erosion
Describing the Action	
Background/Issue action addresses	Take actions to preserve and protect major Township infrastructure by inspecting and, as necessary repairing structural issues bridge carrying Ertley Road Over Belltown Run (113)
Action description	Replace existing superstructure, stabilize scour at existing abutments.
Action category	F-14; F-17; F-18; ER-5
Existing, Future, or NA	Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Removing the existing (deficient) superstructure and placing scour protection at the existing abutments will preserve the life of the structure.
Cost estimate	\$250,000
Cost effectiveness (i.e., benefit/cost)	High benefit / cost ratio
Priority	High
Implementing the Action	
Responsible party	Decatur Township
Potential Partners	Penn DOT, Mifflin County
Potential funding sources	Penn DOT 80 / 20 Program, Mifflin County Bridge Fund; Decatur Township Liquid Fuels Account.
Timeline	2022
Integration Opportunities (if any)	
Worksheet completed by (name/title)	Daniel Taptich, Township Engineer

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency DECATUR TOWNSHIP, MIFFLIN COUNTY, PA

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Action Title:	
Assessing the Risk	
Hazard(s) addressed	Flooding / Erosion
Describing the Action	
Background/Issue action addresses	Take actions to preserve and protect major Township infrastructure by inspecting and, as necessary repairing structural issues bridge carrying snook Road over Belltown Run (114)
Action description	Replace existing superstructure and the existing pier, stabilize scour at existing abutments.
Action category	F-14; F-17; F-18; ER-5
Existing, Future, or NA	Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Removing the existing (deficient) superstructure and placing scour protection at the existing abutments will preserve the life of the structure. Removing the pier will reduce debris accumulation and reduce flooding of adjacent lands.
Cost estimate	\$350,000
Cost effectiveness (i.e., benefit/cost)	High benefit / cost ratio
Priority	High
Implementing the Action	
Responsible party	Decatur Township
Potential Partners	Penn DOT, Mifflin County
Potential funding sources	Penn DOT 80 / 20 Program, Mifflin County Bridge Fund; Decatur Township Liquid Fuels Account.
Timeline	2023
Integration Opportunities (if any)	
Worksheet completed by (name/title)	Daniel Taptich, Township Engineer

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency

Derry Township, Mifflin County

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Action Title:	
Assessing the Risk	
Hazard(s) addressed	Loss of trees in Kish Park
Describing the Action	
Background/Issue action addresses	most ash trees removed from Kish Park
Action description	Establish tree program and replanting plan to address current inventory and health of trees
Action category	Moderate Natural Systems Protection
Existing, Future, or NA	Existing
Evaluating the Action	
Losses avoided (i.e., benefits)	Improve quality and safety to public areas
Cost estimate	unknown - continuous project
Cost effectiveness (i.e., benefit/cost)	Improve use of public park
Priority	Moderate
Implementing the Action	
Responsible party	Derry Township
Potential Partners	DCNR
Potential funding sources	DCNR, private donations
Timeline	Ongoing bi-annual evaluation
Integration Opportunities (if any)	
Worksheet completed by (name/title)	Roman Napkoski, Derry Township Supervisor

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency

Derry Township / Mifflin County

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Action Title:	
Assessing the Risk	
Hazard(s) addressed	Erosion of streambanks in Kish Park / trout habitat
Describing the Action	
Background/Issue action addresses	Flooding and wild life have contributed to erosion of streambanks in Kish Park and loss of trout habitat.
Action description	Creation of trout habitat and plantings on stream banks and control/management of wild life
Action category	Natural systems Protection
Existing, Future, or NA	Existing
Evaluating the Action	
Losses avoided (i.e., benefits)	Further erosion/impact - additional flooding improvement to public areas
Cost estimate	\$25,000
Cost effectiveness (i.e., benefit/cost)	improvements to public areas quality, safety, healthy
Priority	Moderate
Implementing the Action	
Responsible party	Derry Township
Potential Partners	USDA, DCNR, soil conservation
Potential funding sources	USDA, DCNR
Timeline	2019
Integration Opportunities (if any)	
Worksheet completed by (name/title)	Ronard Nap. Kashi, Derry Township Supervisor

Municipality/Organization/Agency: Derry Township, PA

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Action Title: Phillips Industrial Property Reuse	
Assessing the Risk	
Hazard(s) addressed	Flooding
Describing the Action	
Background/Issue action addresses	Phillips Industrial Property is a former industrial site located along US 22 on the bank of the Juniata River in Lewistown, PA. The property is located in the floodplain and is no longer in use. The location is considered by Mifflin County to be a gateway to the county and a site for potential reuse as a public space, etc. as a mitigation solution.
Action description	To repurpose the Phillips Industrial Property, Derry Township and Mifflin County will need to complete a real estate appraisal and a Phase 1 Environmental Site Assessment, demolish structures, remediate the property and construct and maintain the intended greenspace.
Action category	Structure and Infrastructure Projects
Existing, Future, or NA	Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Not identified as repetitive loss or severe repetitive loss property. Removing buildings in the floodplain to be replaced with a greenspace will avoid future property damage.
Cost estimate	TBD based upon the above Action Description
Cost effectiveness (i.e., benefit/cost)	TBD
Priority	High
Implementing the Action	
Responsible party	Derry Township and Mifflin County
Potential Partners	PEMA, DCED, Governor's Office of the Budget (Redevelopment Capital Assistance Program)
Potential funding sources	Flood Mitigation Grant, PA Redevelopment Assistance Capital Program
Timeline	5 – 10 years
Integration Opportunities (if any)	NA
Worksheet completed by (name/title)	Derry Township and Mifflin County

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency GRANVILLE TOWNSHIP

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Action Title:	
Assessing the Risk	
Hazard(s) addressed	MIDDLE ROAD & EMBANKMENT UNSTABLE - COLLAPSING INTO STRODES RUN CREEK
Describing the Action	
Background/Issue action addresses	TRIED STABILIZING WITH INSTALLATION OF GUIDERAIL GROUND TOO SOFT DID NOT WORK
Action description	PLAN TO WORK WITH MCCD TO DETERMINE BEST METHOD TO STABILIZE THE BANK & ROADWAY
Action category	ER-5 STABILIZE EROSION HAZARD AREA
Existing, Future, or NA	EXISTING
Evaluating the Action	
Losses avoided (i.e., benefits)	MIDDLE ROAD & EMBANKMENT FULL COLLAPSE
Cost estimate	\$100,000.00
Cost effectiveness (i.e., benefit/cost)	FAILURE TO ACT WOULD CAUSE ROAD CLOSURE AND NEED TO RECONSTRUCT ENTIRE ROADWAY & BANK STABILIZATION
Priority	1ST
Implementing the Action	
Responsible party	GRANVILLE TOWNSHIP
Potential Partners	MIFFLIN COUNTY CONSERVATION DISTRICT
Potential funding sources	DIRT AND GRAVEL ROAD PROGRAM GENERAL FUND STATE LIQUID FUEL
Timeline	PLAN TO BANDAID THE AREA SUMMER 2019. FULL REPAIR SUMMER 2020
Integration Opportunities (if any)	
Worksheet completed by (name/title)	MARY E. HERTO TOWNSHIP MANAGER

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency JUNATA TERRACE BOBO

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Action Title:	
Assessing the Risk	
Hazard(s) addressed	STORM SEWERS
Describing the Action	
Background/Issue action addresses	OUR MAIN STREETS RELY ON PROPER DRAINAGE OF STORM WATER IT'S MOST IMPORTANT TO HAVE PROPER DRAINAGE TO AVOID SINK HOLES AND CRACKING OUR ROADS.
Action description	THE BOBO HAS BEEN LOOKING INTO UPGRADING STORM SEWERS FOR THE LAST 5 YEARS. THEY WERE BEING IN PLACE SINCE 1930'S
Action category	STRUCTURE/INFRASTRUCTURE.
Existing, Future, or NA	EXISTING/FUTURE
Evaluating the Action	
Losses avoided (i.e., benefits)	BY UPGRADING STORM SEWERS WOULD AVOID SINK HOLES AND CRACKING OUR STREETS.
Cost estimate	COST IS HARD TO PUT A NUMBER ON DUE TO THE AGE AND UNDERGROUND STRUCTURES.
Cost effectiveness (i.e., benefit/cost)	BY UPGRADING STORM SEWERS FUTURE COST IN MAINTAINING THE STREETS WOULD GREATLY REDUCE COST.
Priority	HIGH
Implementing the Action	
Responsible party	JUNATA TERRACE BOBO
Potential Partners	N/A
Potential funding sources	GRANTS
Timeline	THIS HAS BEEN ON GOING FOR PAST 5 YEARS AND INTO THE FUTURE WHEN FUNDING IS AVAILABLE
Integration Opportunities (if any)	NONE TODAY
Worksheet completed by (name/title)	DOUGLAS N. KOPNER SUPERVISOR/ROAD MASTER

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency

Kistler Borough

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Action Title:	
Assessing the Risk	
Hazard(s) addressed	loss of power flooding at sewer pumps
Describing the Action	
Background/Issue action addresses	back up of sewage into lines and homes if power out for a long period or pump station flooded
Action description	Flood proof wastewater treatment facilities + lift stations located in flood hazard areas
Action category	restore power as soon as possible possibly use of generators
Existing, Future, or NA	future?
Evaluating the Action	
Losses avoided (i.e., benefits)	?
Cost estimate	?
Cost effectiveness (i.e., benefit/cost)	?
Priority	?
Implementing the Action	
Responsible party	Kistler Borough
Potential Partners	
Potential funding sources	Sewer Funds
Timeline	?
Integration Opportunities (if any)	
Worksheet completed by (name/title)	Cynthia Hobbs, Borough Secretary

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency Borough of Lewistown

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Action Title:	
Assessing the Risk	
Hazard(s) addressed	Virginia Avenue
Describing the Action	
Background/Issue action addresses	Constant water issue - underground springs No existing storm water drains/inlets
Action description	Install 3 inlets and pave to fix dramatic road deterioration due to water
Action category	Work completed in 2023 in coordination PennDOT
Existing, Future, or NA	Future plan - however problem exists now
Evaluating the Action	
Losses avoided (i.e., benefits)	Assist w/ safety issues
Cost estimate	\$ 34,812.
Cost effectiveness (i.e., benefit/cost)	Will assist in winter when water freezes ↑ increase road conditions
Priority	
Implementing the Action	
Responsible party	Tim Plank, Str Supervisor + Dianna Walter, ^{Interim} Boro Mgr / Secy
Potential Partners	PennDOT
Potential funding sources	GRB, SLF funds
Timeline	SINCE PENNDOT IS REPAIRING VALLEY ST 4 yrs we can tie into existing storm drain
Integration Opportunities (if any)	w/ PENNDOT
Worksheet completed by (name/title)	Dianna Walter

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency McVeytown Borough

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Action Title: Municipal Water Authority Hazardous Materials Contamination	
Assessing the Risk	
Hazard(s) addressed	Environmental Hazards (hazardous materials release) – Specifically, home heating oil contaminating municipal sewer system.
Describing the Action	
Background/Issue action addresses	McVeytown has discovered there are basement floor drains and sump pumps that are connected to the Municipal Sewer system.
Action description	The Water Authority will be scheduling smoke testing sewer lines and physical home inspections with public information.
Action category	Infrastructure
Existing, Future, or NA	Current - The Authority will be advising of future home inspections Future- Scheduling inspections and corrective action plan.
Evaluating the Action	
Losses avoided (i.e., benefits)	Contamination of the sewer system with home heating oil and abuse of sewer System
Cost estimate	\$80,000
Cost effectiveness (i.e., benefit/cost)	Preserves the natural flow of wastewater through the sewer plant to be treated and recycled back to nature.
Priority	Immediate
Implementing the Action	
Responsible party	McVeytown Water and Sewer Authority
Potential Partners	McVeytown Borough and Oliver Township
Potential funding sources	McVeytown Water and Sewer Authority
Timeline	Dependent upon funding
Integration Opportunities (if any)	This effort will be integrated into home inspections and public information.
Worksheet completed by (name/title)	Matthew Stringer, McVeytown Maintenance Operator

Municipality/Organization/Agency: Menno Township

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Action Title: Municipal Bridge Replacements	
Assessing the Risk	
Hazard(s) addressed	Flooding
Describing the Action	
Background/Issue action addresses	Bridge on Hickory Lane (T464) and Renno Road (T453) have deteriorated causing some of the decking and wing walls to fall into the stream.
Action description	Replace both bridges with PennDOT approved aluminum box culvert structures
Action category	Structure project implementation
Existing, Future, or NA	Current- Hickory Lane bridge is closed to all traffic with signs and barriers. Future- Install new box culverts to Hickory Lane and Renno Road
Evaluating the Action	
Losses avoided (i.e., benefits)	Avoid bridge collapse into stream causing flooding from material dam onto public roads and local farm fields
Cost estimate	\$71,000 for both bridges plus any necessary equipment rental
Cost effectiveness (i.e., benefit/cost)	Preserves public road structure and access worth \$71,000. Preserves value of three surrounding farm fields worth excess of \$50,000.
Priority	Immediate
Implementing the Action	
Responsible party	Menno Township
Potential Partners	Union Township road crew
Potential funding sources	Liquid fuels, Mifflin County Commissioners, Pennsylvania Infrastructure Bank (PIB) Loan Program
Timeline	Stream level decrease from spring thaw and receipt of new box culverts
Integration Opportunities (if any)	None known at this time
Worksheet completed by (name/title)	John Allison, Menno Township Supervisor

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency_NEWTON HAMILTON BOROUGH

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Action Title: STABILITY OF CHURCH ST BRIDGE	
Assessing the Risk	
Hazard(s) addressed	REPAIR OR REPLACE
Describing the Action	
Background/Issue action addresses	DUE TO THE AGE AND CREEK EROSION OF FOUNDATIONS BRIDGE IS BECOMING UNSTABLE
Action description	BOROUGH ENGINEER RECOMMENDED REPLACEMENT OF BRIDGE AND FOOTERS.
Action category	STRUCTURAL PROJECT
Existing, Future, or NA	CURRENTLY BOROUGH IS IN PROCESS OF SECURING FUNDS AND CONTACTING CONTRACTORS FOR BIDS
Evaluating the Action	
Losses avoided (i.e., benefits)	AVOIDING REDUCED WEIGHT LIMITS AND POSSIBLE INJURY OF INDIVIDUALS AND LOSS OF PROPERTY
Cost estimate	\$500,000
Cost effectiveness (i.e., benefit/cost)	MAINTAIN TRAFFIC FLOW OF EMERGENCY VEHICLES AND ALL TRAFFIC
Priority	HIGH

Mifflin County 2019 Hazard Mitigation Plan Update

Implementing the Action	
Responsible party	NEWTON HAMILTON BOROUGH
Potential Partners	NONE
Potential funding sources	IN PROCESS OF TRYING TO FIND GRANTS
Timeline	SPRING/SUMMER
Integration Opportunities (if any)	NONE
Worksheet completed by (name/title)	JUSTIN C CREITZ / EMA DIRECTOR

Municipality/Organization/Agency: OliverTownship

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Action Title: Oliver Township Road and Infrastructure Drainage Improvements	
Assessing the Risk	
Hazard(s) addressed	Flooding
Describing the Action	
Background/Issue action addresses	Water and ice laying on roads and infrastructure damage due to washout.
Action description	Oliver Township engineer gave recommendations toward installing drains. Contacting PennDOT and Dirt/Gravel and low volume roads for possible funding.
Action category	Structure / Infrastructure
Existing, Future, or NA	Current- design and bid out project. Future- design and bid additional drains
Evaluating the Action	
Losses avoided (i.e., benefits)	Future road and infrastructure washout. Emergency repairs.
Cost estimate	\$1,000,000
Cost effectiveness (i.e., benefit/cost)	Scheduling and future design rather than emergency repairs.
Priority	Immediate
Implementing the Action	
Responsible party	Oliver Township and Contractor awarded the bids.
Potential Partners	Oliver Township, PennDOT, Dirt and gravel road grant funding
Potential funding sources	Oliver Township, PennDOT multimodal funding, Dirt and Gravel road grants, Pennsylvania Infrastructure Bank (PIB).
Timeline	2 Years
Integration Opportunities (if any)	Implement into future awareness and design.
Worksheet completed by (name/title)	Matthew Stringer, Hazard Mitigation representative

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Action Title:	
Assessing the Risk	
Hazard(s) addressed	Aging unused smoke stacks / tanks located at the former Fairmont facility.
Describing the Action	
Background/Issue action addresses	Contacted / notified owners of our concerns and have requested action. Also notified Fire Company of issues.
Action description	Smoke stacks / tanks need to be taken down.
Action category	
Existing, Future, or NA	Existing & Future. These stacks / tanks will only continue to degrade.
Evaluating the Action	
Losses avoided (i.e., benefits)	Will avoid potential catastrophe if stacks collapse on public / private, persons or property.
Cost estimate	Cost of removal will vary depending on complexity and company.
Cost effectiveness (i.e., benefit/cost)	Cost of removal far outweighs the cost of potential accidents.
Priority	Within next 2 years.
Implementing the Action	
Responsible party	Kerfam Corporation
Potential Partners	Mifflin County, Union Township, Emergency Services
Potential funding sources	Kerfam Corporation, PDM Grants, County Grants
Timeline	2019 - 2022

Integration Opportunities (if any)	
Worksheet completed by (name/title)	Keith Mernin, Chairman of the Union Township Board of Supervisors

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency UNION TOWNSHIP, MIFFLIN COUNTY, PA

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Action Title:	
Assessing the Risk	
Hazard(s) addressed	Flooding
Describing the Action	
Background/Issue action addresses	Improve / replace / re-route an existing private storm water conveyance system through the lands of Kerfam, Inc. to reduce the threat of nuisance / possibly catastrophic flooding to adjacent properties.
Action description	Increase or improve / optimize the hydraulic capacity of the existing swales; Re-route the existing pipes under the existing buildings.
Action category	F-15 Retrofit (replace) Structures and Utilities; F-18 Protect Critical Facilities
Existing, Future, or NA	Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Reduce the threat of flooding the existing structure on the site; reduce the threat of flooding adjacent properties.
Cost estimate	\$120,000
Cost effectiveness (i.e., benefit/cost)	Project has a high cost / benefit ratio since the work to replace the structure can be performed via "private contracts without the need for prevailing wage..
Priority	High
Implementing the Action	
Responsible party	Kerfam, Inc.
Potential Partners	Union Township / Penn DOT
Potential funding sources	Private
Timeline	Complete by Fall 2020
Integration Opportunities (if any)	
Worksheet completed by (name/title)	Daniel Taptich, Township Engineer

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency UNION TOWNSHIP, MIFFLIN COUNTY, PA

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Action Title:	
Assessing the Risk	
Hazard(s) addressed	Flooding
Describing the Action	
Background/Issue action addresses	Improve / replace an existing culvert under SR 655 @ the SR 655 / South Penn Street Intx. to reduce the threat of nuisance / possibly catastrophic flooding to adjacent properties. Existing culvert capacity is significantly reduced due to sedimentation.
Action description	Increase or improve / optimize the hydraulic capacity by culvert under SR 655; confirm the structural adequacy; improve outfall.
Action category	F-15 Retrofit (replace) Structures and Utilities; F-18 Protect Critical Facilities
Existing, Future, or NA	Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Reduce the threat of flooding the existing structure on the site; reduce the threat of flooding adjacent properties.
Cost estimate	\$500,000
Cost effectiveness (i.e., benefit/cost)	Project has a high cost / benefit ratio as the reduced hydraulic capacity causes frequent ponding of water on SR 655
Priority	High
Implementing the Action	
Responsible party	PENN DOT
Potential Partners	PENN DOT
Potential funding sources	PUBLIC
Timeline	Complete by Fall 2020
Integration Opportunities (if any)	
Worksheet completed by (name/title)	Daniel Taptich, Township Engineer

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency UNION TOWNSHIP, MIFFLIN COUNTY, PA

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title:	
Assessing the Risk	
Hazard(s) addressed	Flooding
Describing the Action	
Background/Issue action addresses	Existing bridge carrying Spring Run Road over Kishacoquillas Creek is the sole access to several residential / recreational properties.
Action description	Remove / Replace existing structurally / hydraulically deficient bridge carrying Spring Run Road over Kishacoquillas Creek.
Action category	F-15 Retrofit (replace) Structures and Utilities; F-18 Protect Critical Facilities
Existing, Future, or NA	Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Reduce the threat of flooding the existing structure on the site; reduce the threat of flooding adjacent properties; maintain viable access to existing developed properties.
Cost estimate	\$400,000
Cost effectiveness (i.e., benefit/cost)	Project has a low cost / benefit ratio as the number of property owners benefitting from this project is small.
Priority	High
Implementing the Action	
Responsible party	UNION TOWNSHIP
Potential Partners	PENN DOT
Potential funding sources	County Funding / Liquid Fuels Monies / 80 / 20 grants
Timeline	Complete by Fall 2021
Integration Opportunities (if any)	
Worksheet completed by (name/title)	Daniel Taptich, Township Engineer

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency Wayne Township

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title:	
Assessing the Risk	
Hazard(s) addressed	Transportation interruption - flood, flash flood
Describing the Action	
Background/Issue action addresses	There is an area on Ferguson Valley Rd. (T-328) that floods during heavy rain events. Storm water run off from agricultural fields crosses and closes road
Action description	The township engineer suggests installing a culvert under the road.
Action category	Structural Project Implementation
Existing, Future, or NA	Currently the township has contacted the landowner and has received a signed easement to install a culvert and direct run off onto his property. Future: Install culvert
Evaluating the Action	
Losses avoided (i.e., benefits)	Avoid washout of Ferguson Valley Road. Avoid closing a main transportation artery of Wayne Township everytime there is major rainfall.
Cost estimate	\$ 10,000
Cost effectiveness (i.e., benefit/cost)	Preserves public road structure and public road access.
Priority	Intermediate
Implementing the Action	
Responsible party	Wayne Township
Potential Partners	None known at this time.
Potential funding sources	Municipal general fund and any grant monies.
Timeline	Dependent upon extra township funds and future floods
Integration Opportunities (if any)	None known at this time.
Worksheet completed by (name/title)	Ted Reed, Wayne Township Supervisor

Forms can be submitted to Angela Welt at: awelt@mbakerintl.com or 4431 N. Front Street, 2nd Floor, Harrisburg, PA 17110



Wayne Township
3055 Ferguson Valley Road
McVeytown, PA 17051
717 899-7430 fax 717 899-0921
waynetwp@acsworld.com

WATER EASEMENT AGREEMENT

The Wayne Township Supervisors, Wayne Township, Mifflin County, PA and Garry and Betty Forgy property Owners of parcel 21, 09-0109, located along Ferguson Valley Road are entering into the following agreement:

In order to effect proper drainage along T-328 Ferguson Valley Road it is necessary for Wayne Township Road Crew Employees to install a tile across Ferguson Valley Road and permit the drainage water to percolate into adjacent property. By placing your signature on this document you or any future owners are hereby agreeing to the water easement for storm water drainage on the above listed property.

Dwight K. Aurand *6-18-08*
Dwight K. Aurand Date
Roadmaster/Supervisor

Garry h Forgy *6-18-08*
Garry Forgy Date
Property Owner 21, 09-0109

Betty Forgy
Betty Forgy Date
Co-owner

Municipality/Organization/Agency: Wayne Township

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title: Juniata Canal Lockkeeper’s House Preservation	
Assessing the Risk	
Hazard(s) addressed	Flooding
Describing the Action	
Background/Issue action addresses	The site is a lockkeeper’s house near Newton-Hamilton on the former Juniata Division of the Main Line Canal, and it is in the floodplain of the nearby Juniata River. Although not currently identified as such, it may be eligible for listing on the National Register of Historic Places. The Newton-Wayne Historical Society wishes to convert the house into a museum. Its location in a floodplain dictates “substantial improvement” if significant renovations are made, unless it can be defined as a historic structure.
Action description	Prior to making any improvements to the property, the Newton-Wayne Historical Society should submit a Historic Resource Survey Form with current photos to PHMC. Within the survey, the connection between the house and the Main Line Canal should be explained, and any remaining canal features should be described. (B. Sweeden, PHMC, personal communication, May 23, 2019)
Action category	Structure and Infrastructure Projects (Historic Preservation)
Existing, Future, or NA	Existing – Historic resource determination via the completion and submission of a Historic Resource Survey Form to PHMC for evaluation and determination Future – Proceed with restoration based on PHMC’s determination
Evaluating the Action	
Losses avoided (i.e., benefits)	Potential preservation of a historic and cultural resource
Cost estimate	TBD based on PHMC determination and level of restoration and flood proofing needs
Cost effectiveness (i.e., benefit/cost)	TBD
Priority	Medium (non-life threatening)
Implementing the Action	
Responsible party	Newton-Wayne Historical Society
Potential Partners	Mifflin County and PHMC
Potential funding sources	Act 13 grant funding, PHMC Keystone Historic Preservation Grant, Louis J. Appell, Jr., Preservation Fund for Central PA, Flood Mitigation Program
Timeline	Five years
Integration Opportunities (if any)	NA
Worksheet completed by (name/title)	Wayne Township and Mifflin County

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency Mifflin County

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title:	
Assessing the Risk	
Hazard(s) addressed	Special Needs Population notification & tracking
Describing the Action	
Background/Issue action addresses	Database to track special needs population by location and need
Action description	Update database to be used
Action category	Communication
Existing, Future, or NA	Existing & Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Loss of life
Cost estimate	N/A
Cost effectiveness (i.e., benefit/cost)	N/A
Priority	Medium
Implementing the Action	
Responsible party	Mifflin County Emergency Management
Potential Partners	
Potential funding sources	
Timeline	2019
Integration Opportunities (if any)	911, GIS
Worksheet completed by (name/title)	Phil Lucas, Director EMA

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency Mifflin County

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title:	
Assessing the Risk	
Hazard(s) addressed	Fire
Describing the Action	
Background/Issue action addresses	Lack of adequate warning for residential fire
Action description	Provide smoke detectors and basic fire safety training to residents
Action category	Fire
Existing, Future, or NA	Existing & Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Loss of life
Cost estimate	N/A
Cost effectiveness (i.e., benefit/cost)	N/A
Priority	Medium
Implementing the Action	
Responsible party	American Red Cross
Potential Partners	Local Fire Departments
Potential funding sources	Red Cross & Local Fire Departments, Local Municipalities
Timeline	2019
Integration Opportunities (if any)	
Worksheet completed by (name/title)	Chriss Schultz, Emergency Response Manager

Mifflin County 2019 Hazard Mitigation Plan Update

Municipality/Organization/Agency MIFFLIN COUNTY

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title:	
Assessing the Risk	
Hazard(s) addressed	Physical Structures
Describing the Action	
Background/Issue action addresses	PROPERTIES ON THE REPOSITORY LIST AND IN THE FLOOD PLAIN ARE CANDIDATES FOR DEMOLITION. VACANT LAND, THEN, COULD BE SOLD TO COMPENSATE A FUND FOR FUTURE DEMO PROJECTS.
Action description	DEMO FLOOD PLAIN REPOSITORY PROPERTIES
Action category	
Existing, Future, or NA	Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Reconstructed buildings w/i flood zones
Cost estimate	Ind. value TBD
Cost effectiveness (i.e., benefit/cost)	TBD
Priority	
Implementing the Action	
Responsible party	TAX SERVICES
Potential Partners	MUNICIPALITIES ; COUNTY DEPARTMENTS
Potential funding sources	Act 152
Timeline	Year - year
Integration Opportunities (if any)	
Worksheet completed by (name/title)	RP

Municipality/Organization/Agency: Mifflin County, PA

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title: Rural Broadband Access	
Assessing the Risk	
Hazard(s) addressed	Utility Interruption
Describing the Action	
Background/Issue action addresses	Broadband access is limited in rural parts of Mifflin County, with many gaps in coverage. Results of a 2017 Internet Survey showed that over half of respondents need service or need improved service. Only 34% responded that their current broadband service is satisfactory. Gaps in coverage hinder emergency response to certain areas and in doing so, pose substantial risk to public safety.
Action description	Extend broadband access into new areas by placing new fiber optic cabling on existing pole lines. Necessary work/costs would include: assessment by pole owner of potential make-ready work, deploying technicians to hang new cable, annual pole attachment fee and placing cost for new cabling.
Action category	Structure and Infrastructure Projects
Existing, Future, or NA	Future
Evaluating the Action	
Losses avoided (i.e., benefits)	Expanding broadband service coverage mitigates dangers resulting from a lack of access for residents outside the more densely populated areas. Increasing coverage in these areas will help the County avoid negative impacts on emergency responders' communication caused by limited broadband access. It will also prevent public safety concerns stemming from citizens' inability to communicate hazards and dial 911 in emergency situations.
Cost estimate	About \$20,000 per mile of new fiber optic cable \$1,290-\$3,000 per home with new broadband access Prior estimate for extension along Havice Valley Road in Armagh Township was around \$160,000 to add service for 14 potential customers Figures based on report completed by Noovis of four priority investment locations within Mifflin County: Summit Rd and 522 E, Mail Pouch and Ertley Roads, River Rd, Atkinson Mills. Study locations were chosen to reflect varying home densities and in response to the results of the 2017 Internet Survey.
Cost effectiveness (i.e., benefit/cost)	TBD
Priority	High – Life Safety and aligns with Governor Wolf's Broadband Initiative.
Implementing the Action	
Responsible party	Mifflin County
Potential Partners	Internet Service Providers (ISP's) operating locally, adjacent counties
Potential funding sources	Federal Communications Commission- High Cost Program (Connect America Fund) USDA- Community Connect Grant Program, Rural Broadband Access Loan & Loan Guarantee Program, Distance Learning & Telemedicine Loans and Grants Program, Farm Bill Broadband Loan Program, Telecom Infrastructure Loan Program

Potential funding sources	U.S. HRSA- Telehealth Network Grant Program U.S. HUD - Community Development Block Grant (CDBG)
Timeline	Based on funding availability
Integration Opportunities (if any)	NA
Worksheet completed by (name/title)	William A. Gomes, AICP, Director, Mifflin County Planning & Development Department

Other Participation Documentation

- Public Notice to County Facebook Page
- Posting to County Website
- Agenda for Presentation to Planning Commission
- Presentation for the Planning Commission



Mifflin County 9-1-1



Home

Reviews

Photos

Posts

Community



Mifflin County 9-1-1

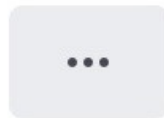


4 mins · ⚙️

Public Notice - Mifflin County Multijurisdictional Hazard Mitigation Plan Update

Mifflin County is spearheading the five-year update to the Mifflin County Multi-Jurisdictional Hazard Mitigation Plan, which serves as the Hazard Mitigation Plan for each of the county's 16 municipalities. The update process is currently underway and will conclude in December 2019. The Federal Emergency Management Agency (FEMA) requires state, tribal, and local governments to develop and adopt hazard mitigation plans as a condition for receiving certain types of non-emergency disaster assistance, including funding for mitigation projects. Mifflin County, the Pennsylvania Emergency Management Agency (PEMA), and FEMA want to achieve maximum participation in the process by all municipalities, citizens, and affected stakeholders. For more information on upcoming meetings and events, please visit <https://www.pennsylvaniahmp.com/mifflin-county-hmp> and click on the Contact Us page to share your hazard mitigation message.

Message



C-353



Passmore, Joseph

From: Welt, Angela
Sent: Wednesday, January 30, 2019 1:50 PM
To: Passmore, Joseph
Subject: FW: EXTERNAL: Upcoming Hazard Mitigation Plan meeting

Angela Bard Welt, PMP | Project Manager - Environmental | Michael Baker International
4431 N. Front Street, 2nd Floor | Harrisburg, PA 17110-1709 | [O] 717-221-2040
awelt@mbakerintl.com | www.mbakerial.com



From: Fultz, Chastity <cfultz@mifflinco.org>
Sent: Wednesday, January 30, 2019 1:45 PM
To: Truax, Troy D <Troy.Truax@mbakerintl.com>; Gomes, Bill <bgomes@mifflinco.org>
Cc: Welt, Angela <AWelt@mbakerintl.com>
Subject: RE: EXTERNAL: Upcoming Hazard Mitigation Plan meeting

I posted the sentence and link on the page below. Let me know if you need anything else.

<http://www.co.mifflin.pa.us/dept/PlanningDev/Pages/default.aspx>

Chastity Fultz
Office/Grants Manager
Planning and Development Office
20 North Wayne Street
Lewistown, PA 17044
cfultz@mifflinco.org
Phone (717) 242-0887
Fax (717) 242-5460

****Please note Mifflin County Courthouse email domain name has changed from @co.mifflin.pa.us to @mifflinco.org. Either domain will work indefinitely, but all outgoing email from Mifflin County Courthouse will reflect the new domain.**

From: Truax, Troy D [<mailto:Troy.Truax@mbakerintl.com>]
Sent: Wednesday, January 30, 2019 10:41 AM
To: Gomes, Bill; Fultz, Chastity
Cc: Welt, Angela
Subject: RE: EXTERNAL: Upcoming Hazard Mitigation Plan meeting

Bill,

I like this recommended approach, so would you or Chastity mind having the project URL link added to the your Department's webpage?

Again, the link is: <https://www.pennsylvaniahmp.com/mifflin-county-hmp>

Thanks,

Troy D. Truax, AICP
Michael Baker International, Inc.
O: (717) 213-6241
M: (717) 512-8326

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Wednesday, January 30, 2019 10:35 AM
To: Truax, Troy D <Troy.Truax@mbakerintl.com>; Fultz, Chastity <cfultz@mifflinco.org>
Cc: Welt, Angela <AWelt@mbakerintl.com>
Subject: RE: EXTERNAL: Upcoming Hazard Mitigation Plan meeting

Troy,
Without knowing exactly what you want posted I am suggesting the following to make this easy for us. Under the Planning Dept. web page that is part of the county web page, there is a section called Announcements. Under this section, we would state: Information on the Mifflin County Hazard Mitigation Plan update are found at the following link. You then list the link. This way we are not having to update it all the time. Please advise.
Bill

From: Truax, Troy D [<mailto:Troy.Truax@mbakerintl.com>]
Sent: Wednesday, January 30, 2019 8:47 AM
To: Gomes, Bill; Fultz, Chastity
Cc: Welt, Angela
Subject: RE: EXTERNAL: Upcoming Hazard Mitigation Plan meeting

Bill and Chastity,

We're posting the meeting dates to the project website, but would it also be prudent to post the same on the County website?

Just a suggestion and we'll let you make the final decision on this recommendation.

Thank you,

Troy D. Truax, AICP
Michael Baker International, Inc.
O: (717) 213-6241
M: (717) 512-8326

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Wednesday, January 30, 2019 7:51 AM
To: Truax, Troy D <Troy.Truax@mbakerintl.com>; Fultz, Chastity <cfultz@mifflinco.org>
Cc: Welt, Angela <AWelt@mbakerintl.com>
Subject: RE: EXTERNAL: Upcoming Hazard Mitigation Plan meeting

Troy,

Actually I think the deadline is Friday so hopefully you will get more responses.

Bill

From: Truax, Troy D [<mailto:Troy.Truax@mbakerintl.com>]
Sent: Wednesday, January 30, 2019 7:43 AM
To: Gomes, Bill; Fultz, Chastity
Cc: Welt, Angela
Subject: RE: EXTERNAL: Upcoming Hazard Mitigation Plan meeting

Good morning Bill and Chastity,

As of this morning, we only have three attendees confirmed via the Doodle Poll for the February 12 meeting: Jane Neff, Nick Felice, and Matt Moore.

Tomorrow, 1/31, is our scheduled deadline to RSVP via the Doodle Poll, so would you be able to send a reminder email to everyone (acknowledging those that have already RSVP'd) today to take the Doodle Poll so we can obtain a solid headcount for the Feb 12 meeting?

This is particularly important for the municipalities so they may obtain credit for attending at least one required meeting.

Please let me know if you have any questions.

Thank you,

Troy D. Truax, AICP
Michael Baker International, Inc.
O: (717) 213-6241
M: (717) 512-8326

From: Gomes, Bill <bgomes@mifflinco.org>
Sent: Monday, January 28, 2019 12:25 PM
To: Ann Thompson (dryhouse2@mac.com) <dryhouse2@mac.com>; Armagh Township (secretary@armaghtownship.org) <secretary@armaghtownship.org>; Craig Bubb <cabubb@hotmail.com>; Lucas, Phil <plucas@mifflinco.org>; M. Moore (mmoore@vvrconline.org) <mmoore@vvrconline.org>; Matt Moore (mhm9877@gmail.com) <mhm9877@gmail.com>; Matt Stringer (stringgo1@icloud.com) <stringgo1@icloud.com>; mcveytown@verizon.net; Paul Maidens (pjm33@mcsdk12.org) <pjm33@mcsdk12.org>; pshoop@fameems.org; Rex Fink (rfink@lewistownborough.com) <rfink@lewistownborough.com>; Robert Henry (BHenry@jvbd.org) <BHenry@jvbd.org>; Ron Napikoski (renapikoski@geisinger.edu) <renapikoski@geisinger.edu>; Sharina Harshbarger (SharinaHarshbarger@gmail.com) <SharinaHarshbarger@gmail.com>
Cc: Fultz, Chastity <cfultz@mifflinco.org>; Truax, Troy D <Troy.Truax@mbakerintl.com>; Welt, Angela <AWelt@mbakerintl.com>; Lucas, Phil <plucas@mifflinco.org>; Szabo, Ernest <erszabo@pa.gov>; Amy Smith (asmith@muasd.org) <asmith@muasd.org>; borough@muboro.net; Bratton Township (brattonoffice@verizon.net) <brattonoffice@verizon.net>; Brown Township (btwpmc@gmail.com) <btwpmc@gmail.com>; Burnham Borough (burnham.borough@comcast.net) <burnham.borough@comcast.net>; Cindy Hobbs (chmom@hotmail.com) <chmom@hotmail.com>; Dave Harmon (ileanharmon@verizon.net) <ileanharmon@verizon.net>; Decatur Township (decsec@ymail.com) <decsec@ymail.com>; Derry Township <derrytwp@comcast.net>; Harold Johnson (hojo@embarqmail.com) <hojo@embarqmail.com>; Juniata Terrace Borough (borough@juniataterrace.net) <borough@juniataterrace.net>; Lisa Swisher (lisa.swisher@comcast.net) <lisa.swisher@comcast.net>; Newton Hamilton Borough (laura20v@hotmail.com) <laura20v@hotmail.com>; Oliver Township (olivertwpmc@verizon.net) <olivertwpmc@verizon.net>; Scott Welham (swelham@lewistownborough.com) <swelham@lewistownborough.com>; Union Township (uniontwpmc@embarqmail.com) <uniontwpmc@embarqmail.com>; Wayne Township (waynetwp1@gmail.com) <waynetwp1@gmail.com>; Dunkle, Stephen <sdunkle@mifflinco.org>; Kodish, Kevin

<kkodish@mifflinco.org>; Postal, Robert <rpostal@mifflinco.org>

Subject: EXTERNAL: Upcoming Hazard Mitigation Plan meeting

To: Mifflin County Hazard Mitigation Plan Steering Committee and Mifflin County Municipalities
From: Bill Gomes
RE: Participation in the Hazard Mitigation Plan Update
Date: January 28, 2019

This notice is a follow-up to the Mifflin County Hazard Mitigation Plan Steering Committee and Mifflin County Municipalities of an upcoming meeting to provide additional input from key stakeholders as well as discuss what the consultant team of Michael Baker International has learned to date. As stated previously, Mifflin County is spearheading the five-year update to the Mifflin County Multi-Jurisdictional Hazard Mitigation Plan, which will hopefully serve as the Hazard Mitigation Plan for each of the county's 16 municipalities.

As a key stakeholder to this process, your attendance and participation in a project meeting scheduled for **Tuesday, February 12, 2019, at 3:30 PM** in Room A of the Mifflin County Courthouse in Lewistown is necessary to obtain critical involvement from all municipalities and other public and private stakeholders.

The meeting will be facilitated by Mifflin County's project consultant and will include members of the project steering committee, all municipalities in the county as well as adjoining counties and other service providers that will hopefully enhance the results of this study. A copy of the minutes of the steering committee's initial kick off meeting of January 15, 2019 is also included as well as the PowerPoint presentation for your review.

Mifflin County, the Pennsylvania Emergency Management Agency (PEMA), and Federal Emergency Management Agency (FEMA) want to achieve active participation in the process by all municipalities and stakeholders by:

- (1) attending at least one hazard mitigation meeting;
- (2) completing at least one hazard mitigation worksheet; and
- (3) identifying at least one hazard mitigation action.

Once the plan is completed, the County, PEMA, and FEMA ultimately want each municipality's governing body to adopt the updated Hazard Mitigation Plan by resolution following FEMA's approval and issuance of its written Approval Pending Adoption (APA) letter to your respective municipality. We appreciate your participation and hope you will be able to attend.

Please confirm your attendance at the February 12 meeting by completing the following Doodle Poll by Friday, February 1: <https://doodle.com/poll/222ghz2xdxu9uaqh>.

William A. Gomes, AICP
Director
Mifflin County Planning and Development Department
20 North Wayne St.
Lewistown, PA 17044
717-242-0887

The County server is changing and we can now be reached at wgomes@mifflinco.org

Agenda

MIFFLIN COUNTY PLANNING COMMISSION REGULAR MEETING

**Thursday, July 25, 2019
3:30 p.m.**

Mifflin County Courthouse, Meeting Room B

	AGENDA ITEMS	PRESENTER	ACTION REQUIRED
3:30	Call to Order	Kay Semler	
3:31	Record of Public Attendance	Kay Semler	
3:32	Approval of Meeting Minutes: June 27, 2019	Kay Semler	Action Required
3:33	Overview of Mifflin County Hazard Mitigation Plan	Kelly Tessier, Environmental Associate Michael Baker International	
4:10	Subdivision and Land Development Review Committee Report	Jim Lettiere	Action Required
4:35	Public Comment		
4:40	Other Business		
4:50	Adjournment		Motion to Adjourn

Notes:



Multi-Jurisdictional Hazard Mitigation Plan Update

Mifflin County, PA

Mifflin County Planning Commission

July 25, 2019

- Welcome
- Multi-Jurisdictional Hazard Mitigation Plan and Project Overview
- Recap of MJHMP Meetings and Worksheets
- Schedule and Meetings
- Next Steps and Action Items

What is Hazard Mitigation?

- 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.



What is a Hazard Mitigation Plan?

- A Hazard Mitigation Plan is a community-driven, living document that communities use to reduce their vulnerability to hazards.
- Municipalities **must have a plan** to maintain access to mitigation grants. These grants can augment local mitigation activities already being accomplished and can leverage other funding sources.



**MIFFLIN COUNTY 2019 MULTI-JURISDICTIONAL
HAZARD MITIGATION PLAN DRAFT**

Draft for
Public Review:
July 30, 2019

Prepared for:
Mifflin County
Planning and Development Department
20 North Wayne St.
Lewistown, PA 17110

Prepared by:
Michael Baker International
4431 North Front Street
Harrisburg, PA 17110

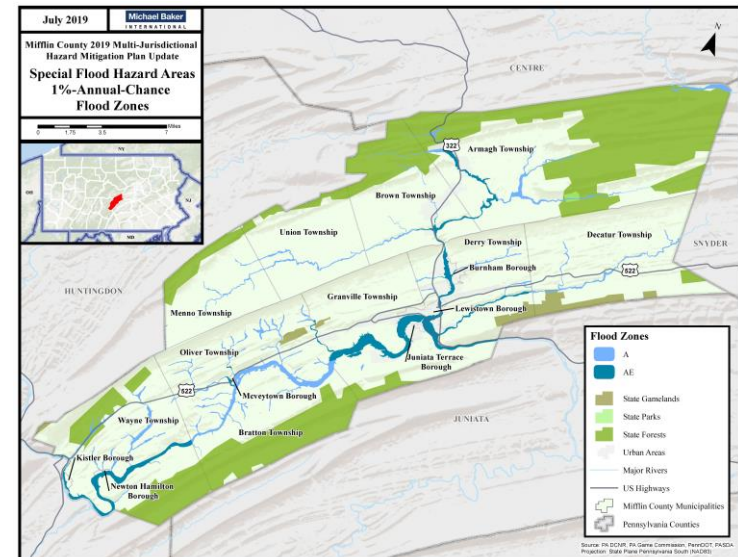
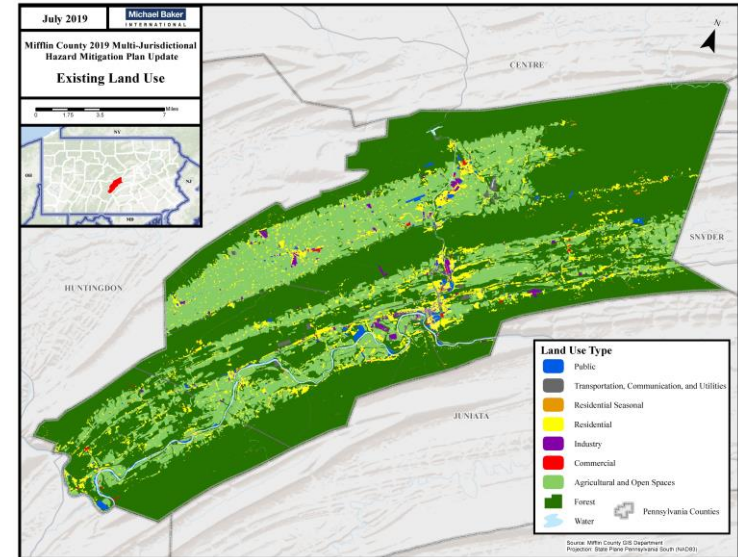
**Michael Baker
INTERNATIONAL**

- Introduction
- Community Profile
- Planning Process
- Risk Assessment
- Capability Assessment
- Mitigation Strategy
- Plan Maintenance
- Adoption



What We Covered

- Reviewed 2019 Plan format and process
- Completed Hazard-Risk Assessment Exercise
- Reviewed the Mitigation Techniques and Requirements
- Discussed participation opportunities
- Reviewed the schedule and next steps



Mifflin County Multi-Jurisdictional Hazard Mitigation Plan 2019 Update

Evaluation of Identified Hazards and Risk

Name: _____ Title: _____

Affiliation: _____

Part I

Identified Hazards 2014 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	Additional Comments (Please provide an explanation for any hazards marked I or D in this column)
Natural Hazards		
Drought		
Extreme Temperature		
Flood, Flash Flood, Ice Jam		
Invasive Species		
Landslide		
Lightning Strike		
Pandemic and Infectious Disease		
Radon Exposure		

- Hazard-Risk Evaluation
 - Evaluates the hazards being profiled in the county plan
 - Helps determine jurisdictional risk

Risk Assessment Overview



- Standardized method to rank risks
- Done on a countywide basis
- Results are preliminary

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

2019 Jurisdictional Risk Evaluations

Municipality/Organization:	
Name:	

NATURAL OR MAN-MADE (N or M)	HAZARD	RISK ASSESSMENT CATEGORY (1 = least severe, 4 = most severe)					CALCULATED RISK FACTOR	Does your jurisdictional risk differ from the County's? Is it greater than >, less than <, or equal to =? <i>Ex. Dam failure is a medium-ranked hazard with a countywide ranking of 2.3. The presence of a high hazard dam in your community, or no dam, may result in a different risk.</i>
		PROBABILITY (1-4)	SEVERITY (1-4)	SPATIAL EXTENT (1-4)	WARNING TIME (1-4)	DURATION (1-4)		
N	Flood, Flash Flood, Ice Jam	4	3	2	4	3	3.2	
N	Winter Storm	4	2	4	2	2	3.0	
N	Wildfire	3	2	3	4	2	2.7	
N	Radon Exposure	4	2	2	1	4	2.7	
M	Utility Interruption	3	2	2	3	2	2.4	
N	Tornado	2	3	2	4	1	2.4	
N	Pandemic	2	2	3	1	4	2.3	
M	Dam Failure	2	2	2	4	3	2.3	
N	Drought	2	1	4	1	4	2.2	
M	Environmental Hazards	2	2	2	4	2	2.2	
M	Transportation Accidents	4	1	1	4	1	2.2	
M	Urban Fire and Explosion	3	2	1	4	1	2.2	
N	Subsidence, Sink Holes	3	2	1	4	1	2.2	
N	Extreme temperatures	2	1	4	1	1	1.9	
M	Civil Disturbances	1	3	1	3	1	1.8	
N	Invasive Species	2	1	2	1	4	1.8	
N	Landslide	1	2	1	4	1	1.6	
N	Lightning Strike	2	1	1	3	1	1.5	
M	Drowning	1	1	1	4	1	1.3	

Natural Hazards

- Drought
- Extreme Temperature
- Flood, Flash Flood, Ice Jam
- Hurricane, Tropical Storm, Nor'easter
- Invasive Species
- Landslide
- Lightning Strike
- Pandemic and Infectious Disease
- Radon Exposure
- Subsidence, Sinkhole
- Tornado, Wind Storm
- Wildfire
- Winter Storm

Human-made Hazards

- Building or Structure Collapse
- Civil Disturbance
- Dam Failure
- Drowning
- Environmental Hazards
- Transportation Accidents
- Urban Fire and Explosion
- Utility Interruption

- 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?

Mitigation Strategy



C-372

Mitigation Strategy Components

- Goals and Objectives
- Mitigation Techniques
- Mitigation Action Plan and Projects



- **Goals:** General guidelines that describe what your community would like to achieve.
- **Objectives:** Define strategies that must be implemented to achieve the identified goal.
- **Actions:** The specific activities a community will take to reduce or eliminate risks.

GOALS

Goal 1: Strengthen County and local capabilities to reduce the potential impact of flooding on existing and future public/partner assets, including structures, critical facilities, and technological hazards

Goal 2: Protect the citizens of Mifflin County as well as public and private property from the impacts of natural and human-caused hazards

Goal 3: Enhance planning and emergency response efforts among state, county, and local emergency management personnel to protect public health and safety

GOALS (continued)

Goal 4: Build Mifflin County's spatial informational resources to strengthen public and private hazard mitigation planning and decision support capabilities

Goal 5: Increase public awareness on both the potential impacts of natural hazards and activities to reduce those hazards

Goal 6: Increase intergovernmental cooperation and build public-private partnerships to implement activities that will reduce the impact of natural, man-made, and technological disasters



Local Mitigation Planning Handbook

March 2013



FEMA

- Updated FEMA mitigation planning guidance identifies four mitigation techniques:
 - Plans and Regulations
 - Structure and Infrastructure Projects
 - Natural Systems Protection
 - Education and Awareness Programs

Local Plans and Regulations



- Government authorities, policies, or codes that influence the way land and buildings are developed
- Examples:
 - Limit or restrict development in floodplains
 - Adopt or enforce building codes
 - Amend ordinances to require trailer anchoring
 - Map and assess landslide vulnerability



- Modifying existing structures and infrastructure to remove from a hazard area
- Construction of manmade structures to reduce impacts of hazards
- Examples:
 - Hardening critical facilities
 - Acquisition and Demolition
 - Elevation Projects

Natural Systems Protection

- 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
 - Riparian buffer
 - Flood and stormwater



Education and Awareness Programs



- Examples:
 - Real estate disclosures to floodprone properties
 - Water saving education programs
 - Assistance to vulnerable populations
 - Community organization presentations
 - Radio spots

Mitigation Actions

- 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.



Mitigation Strategy Overview

- **Worksheet** that allowed the county and each municipality to report the progress it has made on mitigation actions from the 2014 HMP, the status of the project, and any relevant notes.
- **Worksheet** that allowed the municipalities and stakeholders to suggest the implementation of new mitigation actions.
- A representative from each municipality filled out a **worksheet** about local National Flood Insurance Program compliance and capabilities.

Mifflin County 2019 Hazard Mitigation Plan Update

Mifflin County - Mitigation Action Progress Report Form

ACTION	STATUS				STATUS UPDATE NOTES What was accomplished for this action during this reporting period? What obstacles, problems, or delays were encountered? If not completed, is the action still relevant? Should the action and/or the anticipated completion date be revised? Do you have any other comments?
	Completed	Cancelled	Deferred	Ongoing	
Continue to encourage routine inspection and maintenance of bridges.					
Continue open communications with dam owners to ensure all of the County's dams are structurally sound.					
Encourage municipalities to develop and enact storm water management ordinances consistent with Act 167 Storm water Management Plans.					
Collect and analyze data on the specific locations and damages caused by flooding in each of the municipalities in Mifflin County to include in the 5-year update of the Hazard Mitigation Plan.					
Adopt a county-wide post-disaster recovery and reconstruction ordinance using the model ordinance included in the APA/FEMA PAS Report No. 483484.					
Ensure County and municipal subdivision and land development ordinances are consistent with Chapter 102 Erosion & Sedimentation Control Requirements.					
Encourage the acquisition and demolition, or elevation of structures in flood prone areas.					
Work with municipalities to regularly inspect culverts.					

Mifflin County 2019 Hazard Mitigation Plan Update

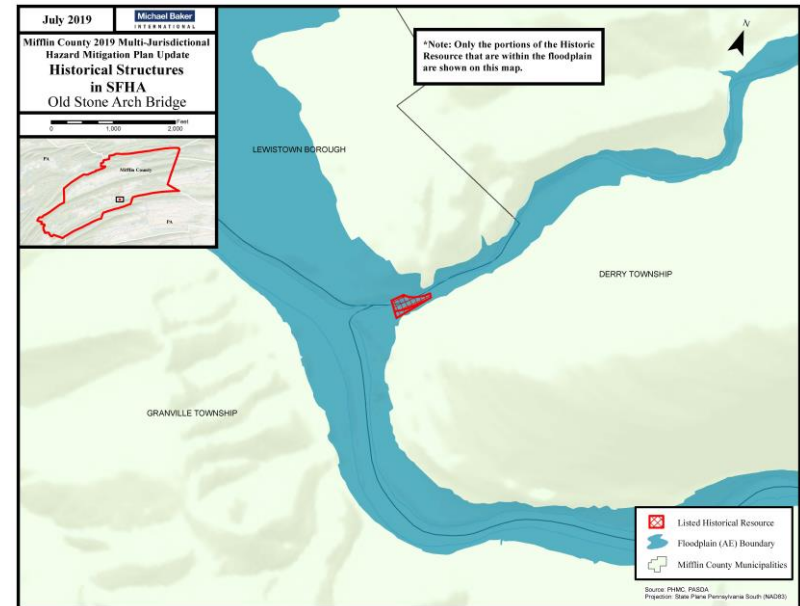
Municipality/Organization/Agency _____

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 environmental hazards. This resource is available at <https://www.fema.gov/media-library/assets/documents/30627>.

Action Title:	
Assessing the Risk	
Hazard(s) addressed	
Describing the Action	
Background/Issue action addresses	
Action description	
Action category	
Existing, Future, or NA	
Evaluating the Action	
Losses avoided (i.e., benefits)	
Cost estimate	
Cost effectiveness (i.e., benefit/cost)	
Priority	
Implementing the Action	

Mitigation Strategy Overview

- Received 36 new mitigation actions
 - 16 municipalities – all active participants
 - County



Participation – A Closer Look

Table 3.5-1: Summary of Participation from Local Municipalities During the 2019 MJHMP Update as of July 17, 2019

Municipality	Meetings						Worksheets/Surveys/Forms				
	SC KICK-OFF January 15, 2019	RISK ASSESSMENT/ MITIGATION WORKSHOP February 26, 2019	RISK ASSESSMENT/ MITIGATION WORKSHOP CALLS March-April 2019	DRAFT PLAN PRESENTATION August 6, 2019	MUNIC. MTG. A Dec. Xx, 2019	MUNIC. MTG. B Dec. Xx, 2019	HAZARDS AND RISK	JURISDICTIONAL RISK EVALUATION	NFIP WORKSHEET	MITIGATION ACTION PROGRESS FORM	NEW MITIGATION ACTION FORM*
Armagh Township	✓	✓					✓	✓	✓		✓✓
Bratton Township	✓	✓					✓	✓	✓		✓
Brown Township		✓					✓	✓	✓	✓	✓
Burnham Borough		✓					✓	✓			✓✓
Decatur Township			✓				✓				✓✓✓✓ ✓✓✓✓✓
Derry Township	✓	✓					✓	✓		✓	✓✓✓
Granville Township			✓				✓				✓
Juniata Terrace Borough			✓								✓
Kistler Borough			✓								✓
Lewistown Borough	✓	✓					✓	✓	✓		✓
McVeytown Borough	✓	✓					✓	✓	✓		✓
Menno Township			✓				✓	✓			✓
Newton Hamilton Borough			✓				✓				✓
Oliver Township	✓	✓					✓	✓	✓		✓
Union Township	✓						✓				✓✓✓✓
Wayne Township		✓					✓	✓	✓		✓✓
Mifflin County	✓	✓					✓	✓			✓✓✓✓

- Visit the MJHMP project website at <https://www.pennsylvaniahmp.com/mifflin-county-hmp>
- Project updates, meeting minutes, and planning documents will be posted there



Announcements

Another meeting focusing on the participation of municipalities in the county, public stakeholders, and private stakeholders is scheduled for February 12, 2019 at 3:30 PM. The meeting will be held in Room A of the Mifflin County Courthouse in Lewistown.

The first meeting of the HMP Steering Committee was held on January 15, 2019. The [presentation](#) viewed at the meeting and a [meeting summary](#) are available for download.

About the Project



Planning Documents



2014 Mifflin County HMP



Resource Links



Task	Dates
Kick Off Meeting	January 15, 2019
Risk Assessment/Mitigation Solutions	February 26, 2019
WebEx Conference Calls	March – April 2019
Plan Writing	February – July 2019
Draft Plan Review Public Meeting	August 6, 2019
Deliver to PEMA/FEMA for Review	September - November 2019
Distribute to Municipalities for Adoption	December 2019

Next Steps and Action Items

- Draft will be posted to MJHMP project website on July 30th
- Public comment period will end on August 30th
- Submit to PEMA
- Submit to FEMA

Next Meeting will be August 6th

Conference Room B, Mifflin County Courthouse
20 N. Wayne Street, Lewistown PA

3:30 PM - 5:00 PM



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