

PLAN INTEGRATION DISCUSSION

- What other plans does your jurisdiction currently have?
- Are there any plans that your jurisdiction is updating?
- How do these plans address mitigation issues? Do they include mitigation projects?
- How can you use this mitigation plan to inform others in your jurisdiction?

THANK YOU!

NEW MITIGATION PROJECTS FOR THE HAZARD MITIGATION PLAN UPDATE

This worksheet is designed to assist you in identifying mitigation projects that you are currently working on in your jurisdiction or soon will be. Please fill out the sheet completely and as specifically and accurately as possible.

MITIGATION is "the effort to reduce loss of life and property by lessening the impact of disasters" (FEMA.gov, 2016).

EXAMPLES OF MITIGATION ACTIONS ARE PLANNING AND ZONING, FLOODPLAIN PROTECTION, PROPERTY ACQUISITION AND RELOCATION, OR PUBLIC OUTREACH PROJECTS.

EXAMPLES OF PREPAREDNESS ACTIONS ARE INSTALLING DISASTER WARNING SYSTEMS, PURCHASING RADIO COMMUNICATIONS EQUIPMENT, OR CONDUCTING EMERGENCY RESPONSE TRAINING.

- FEMA, 2013

The following hazards have been identified by the steering committee for your planning area. Please use these as a guide to filling out the worksheet.

- Dam Failure
- Epidemic
- Land Subsidence
- Terrorism
- Drought
- Flood
- Summer Weather
- Wildfire
- Earthquake
- Hazmat
- Winter Weather

For project ideas, refer to FEMA's *Mitigation Ideas: A resource for reducing risk to natural hazards* document available online.

1. What are your hazards of concern? Why do they concern you? What type of impacts or destruction has your county/city/town experienced because of it? Please complete the table below. Use as many spaces as you need.

Hazard of Concern	Reasons for Concern	Impacts or Destruction from Hazard
a. Ex. Flood	Ex. The storm sewers back up causing flooding throughout the town.	Ex. Main St. floods every time it rains for over two hours and causes the street to be closed to traffic. Businesses are impacted by the loss in revenue from the lack of access.
b. Ex. Heavy Snow	Ex. The buildings in our town are very old and may not handle the increased amount of snow we've seen in the recent years.	Ex. Two residences' roofs have collapsed due to the heavy snow load.
1. Flood/Sudden Downpours	Storm system currently not designed to handle storm loads	Erosion of streets & property damage
2. Storms/Loss of Power	Loss of power causes water pump stations to stop functioning.	Loss of supplied water to certain sections of town
3.		
4.		
5.		

2. Based on the problems identified in question 1, what has been or will be done to fix them? Each number corresponds to the hazard identified on the previous page.

Hazard of Concern	What Has Been Done	What Will Be Done
a. Ex. Flood	Ex. We have identified the problem areas within the storm water system that need maintenance/rebuilding.	Ex. We will build retention basins in several locations to help with the amount of water reaching the drains.
b. Ex. Heavy Snow	Ex. New construction is now required to address the higher snow loads.	Ex. Any reconstruction of old residences will be required to follow current building code standards to reduce the impacts. We will encourage residents to reinforce their homes.
1. Flood/Sudden Downpours	Case by case reacting to hazards created	Research possible improvements/upgrades to storm system
2. Storms/Loss of Power	Temporary water stations	Generator to be installed @ pump station once funds are found
3.		
4.		
5.		

Jurisdiction: _____

3. Based on the *completed* projects from the previous plan, are there any that could be expanded upon?

Hazard of Concern	Previous Project ID & Description	Further development of project
a. Ex. Flood	Ex. 1.1.1 Maintain compliance with the NFIP at the jurisdictional level by attending training, monitoring development, and ensuring the local floodplain regulations are as current and applicable as possible.	Ex. Thoroughly research Community Rating System requirements and begin gathering necessary paperwork to become a CRS Community. Identify and implement new projects that can count toward CRS.
1. N/A		
2.		
3.		
4.		
5.		

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1. What are your hazards of concern? Why do they concern you? What type of impacts or destruction has your county/city/town experienced because of it? Please complete the table below. Use as many spaces as you need.

Hazard of Concern	Reasons for Concern	Impacts or Destruction from Hazard
a. Ex. Flood	Ex. The storm sewers back up causing flooding throughout the town.	Ex. Main St. floods every time it rains for over two hours and causes the street to be closed to traffic. Businesses are impacted by the loss in revenue from the lack of access.
b. Ex. Heavy Snow	Ex. The buildings in our town are very old and may not handle the increased amount of snow we've seen in the recent years.	Ex. Two residences' roofs have collapsed due to the heavy snow load.
1. Repetitive Flood Loss Flooding	Continued loss by same homeowners	Several homes have experienced past flooding
2. Flood	Several Residents become stranded when Flooding Occurs	need to work on backup evacuation routes or the ability to shelter before Flooding
3.		
4.		
5.		

2. Based on the problems identified in question 1, what has been or will be done to fix them? Each number corresponds to the hazard identified on the previous page.

Hazard of Concern	What Has Been Done	What Will Be Done
a. Ex. Flood	Ex. We have identified the problem areas within the storm water system that need maintenance/rebuilding.	Ex. We will build retention basins in several locations to help with the amount of water reaching the drains.
b. Ex. Heavy Snow	Ex. New construction is now required to address the higher snow loads.	Ex. Any reconstruction of old residences will be required to follow current building code standards to reduce the impacts. We will encourage residents to reinforce their homes.
1. Flood	Stricter Floodplain & Flood way regulations have been placed for new Const.	Attempt to mitigate these residents through a buyout program
2. Flood	Identifying the problem	A meeting with these residents & DOW officials to work on a solution.
3.		
4.		
5.		

3. Based on the *completed* projects from the previous plan, are there any that could be expanded upon?

Hazard of Concern	Previous Project ID & Description	Further development of project
a. Ex. Flood	Ex. 1.1.1 Maintain compliance with the NFIP at the jurisdictional level by attending training, monitoring development, and ensuring the local floodplain regulations are as current and applicable as possible.	Ex. Thoroughly research Community Rating System requirements and begin gathering necessary paperwork to become a CRS Community. Identify and implement new projects that can count toward CRS.
1. Flooding		work to mitigate these sites through buyout.
2.		
3.		
4.		
5.		

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

JURISDICTION: Grant County

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	Yes	
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved. If yes, state how.	Yes	September 2, 2009 Public meetings
c. Does the municipality support request for map updates?	If yes, specify how.	Yes	If any new data is found it is shared with FEMA
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	Yes	When property owners go to obtain a building permit a floodplain determination is done first
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	Yes	Grant County Commission / Grant County Health Department
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	Yes	

NATIONAL FLOOD INSURANCE PROGRAM SURVEY

2. FLOODPLAIN MANAGEMENT			Comments	
Requirement	Recommended Action	Yes/No		
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.			
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	Grant County Health Department	
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	Yes	GCHD	
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	GCHD	
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	Grant County Health Department	
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	Yes	Any violations of the ordinance is reported to FEMA if the property owner is noncompliant. If this does not work can take the issue to magistrates court.	

2. FLOODPLAIN MANAGEMENT		
Requirement	Recommended Action	Yes/No
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	<p>If yes, specify activities.</p>	<p>Yes</p>
		<p>Looked at joining the CRS Program. However, with my other duties as a Sanitarian I do not have the time to be that involved in floodplain management.</p>

3. FLOOD INSURANCE		
Requirement	Recommended Action	Yes/No
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	Yes
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	Yes
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	Yes
		<p>When they are building in the flood zone individuals are informed about flood insurance.</p> <p>When changes are made to the maps a community meeting is held to inform about the changes to the map.</p> <p>Flood plain determinations</p>

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b. Ex. Heavy Snow	Ex. The buildings in our town are very old and may not handle the increased amount of snow we've seen in the recent years.	Ex. Two residences' roofs have collapsed due to the heavy snow load.
1. Extreme Winter Storms with Heavy Snow	Power Lines down Road Closure	Accidents with Injuries Delay getting to people Length of Power Outages
2. Flooding	Have had major flood in County before and will happen again.	Earthquake walls were made made and have not really been tested for protection
3. Hazmat	One Industry that sits in Moorefield has a large quantity of a chemical that is deadly if released	Most likely several people would die or become ILL before they could be evacuated
4.		
5.		

2. Based on the problems identified in question 1, what has been or will be done to fix them? Each number corresponds to the hazard identified on the previous page.

Hazard of Concern	What Has Been Done	What Will Be Done
a. Ex. Flood	Ex. We have identified the problem areas within the storm water system that need maintenance/rebuilding.	Ex. We will build retention basins in several locations to help with the amount of water reaching the drains.
b. Ex. Heavy Snow	Ex. New construction is now required to address the higher snow loads.	Ex. Any reconstruction of old residences will be required to follow current building code standards to reduce the impacts. We will encourage residents to reinforce their homes.
1. <i>Winter storms</i>	<i>Problems are known by everyone. we try to keep roads cleared and people prepared</i>	<i>More education on being prepared</i>
2. <i>Floodings</i>	<i>Man made Protection well for regulated all sub structures has to meet FEMA Regulations</i>	<i>Continue to educate public and have them protect their property and any way they can by retro fitting</i>
3. <i>Hogmat</i>	<i>Companies has placed cut off valves every 50' often to be able to cut off the flow is a lake</i>	<i>Continue to monitor and work with Safety Councils & Industry</i>
4.		
5.		

3. Based on the completed projects from the previous plan, are there any that could be expanded upon?

Hazard of Concern	Previous Project ID & Description	Further development of project
a. Ex. Flood	Ex. 1.1.1 Maintain compliance with the NFIP at the jurisdictional level by attending training, monitoring development, and ensuring the local floodplain regulations are as current and applicable as possible.	Ex. Thoroughly research Community Rating System requirements and begin gathering necessary paperwork to become a CRS Community. Identify and implement new projects that can count toward CRS.
1. Communication system	2.2.1 - Regional Plan - continue to build additional towns and continue build out	Keep press state government the need for funding to keep up the system
2. Water Resources	H 3.1.3 - Plan was done a few years back	Plan needs review and updated.
3.		
4.		
5.		

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

JURISDICTION: HAMPSHIRE COUNTY

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	Yes	Available at the Hampshire County Planning Office & the Hampshire County Library
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	Yes	November 7, 2002
c. Does the municipality support request for map updates?	If yes, state how.	Yes	GIS Layers and any new studies are presented.
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	Yes	The Planning Office would share any scientific data via the Regional Office of FEMA and the WV State Office of Emergency Management FEMA Representatives.
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	Yes	The Planning Office will review all forms and give guidance where needed. The Planning Office also uses Hampshire County GIS and the WV Flood Tool.
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	Yes	The Planning Office

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	Yes	
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	The Hampshire County Planning Office
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	Yes	The Hampshire County Planning Office
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	The Hampshire County Planning Office
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	The Hampshire County Planning Office
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	Yes	Building permits are required. Stop Work orders are issued for those who do not obtain a building permit. Floodplain inspections are completed for any work done in a floodplain. Fees and penalties are assessed when someone fails to comply.

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.		

3. FLOOD INSURANCE			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.		
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.		
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.		

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

JURISDICTION: HARDY COUNTY

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the COUNTY maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the COUNTY maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	y	YES - they are all on Desktop computer, Online on WV website, FEMA website, and there are hard copies in office
b. Has the COUNTY adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	y	Yes 2009
c. Does the COUNTY support request for map updates?	If yes, state how.	y	YES - We are a required part of the update process so updates would not happen without this office/County Commission being included.
d. Does the COUNTY share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	y	YES - a permit for any project at that level would require CLOMIR and that process would provide FEMA with the technical data.
e. Does the COUNTY provide assistance with local floodplain determinations?	If yes, specify how.	y	YES - every building permit gets a floodplain determination - have desktop GIS with DFIRMS, with this, applicants confirm location of each construction.
f. Does the COUNTY maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	y	YES - we get all LOMA and LOMRs mailed to us and all are available through the FEMA map service - All NFIP information and processes are handled by the Hardy County Planning Office Data received at both planning office (planner is the county floodplain manager) and county commission.

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
a. Has the COUNTY adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	Yes	
(1) Does the COUNTY issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	Planning office issues building permits for ALL development (in our out of SFHA) and all permit applications are required to be compliance with floodplain, zoning and subdivision ordinances Planning Office has all data on file
(2) Does the COUNTY obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	Yes	Planning office building permits has all data on file
(3) Does the COUNTY identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	Planning office building permits has all data on file
(4) Does the COUNTY document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	Planning office building permits has all data on file.
b. If a compliant floodplain ordinance was adopted, does the COUNTY enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.		Yes, any violations letter are sent and mediation measures suggested violators can be fined. With no building code in place construction detail is not inspected.

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
<p>c. Has the COUNTY considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	<p>If yes, specify activities.</p>		<p>Consider CRS but without political support for building code points would be low. Will adopt new state floodplain ordinance (template) within next year. Zoning and current floodplain ordinances restrict storage in SFHA and certain types of residential. We try to deter public structure in the SFHA but have received pushback and lack of inclusion in site planning of such structures. Often public entities refuse to get building permits which include floodplain determination and ordinance compliance.</p>

3. FLOOD INSURANCE			
Requirement	Recommended Action	Yes/No	Comments
a. Does the COUNTY educate community members about the availability and value of flood insurance?	If yes, specify how.	No	
b. Does the COUNTY inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	Yes	Community meetings that are required with any map changes.
c. Does the COUNTY provide general assistance to community members regarding insurance issues?	If yes, specify how.	Yes	Help with determinations, data, and elevation certificates and letters.

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

JURISDICTION: Mineral County

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	yes	copies of the maps are on file in the Planning Office in addition to the ones located in flood tool.
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	yes	
c. Does the municipality support request for map updates?	If yes, state how.		
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	yes	All LOMHS must be approved by FEMA
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.		
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	yes	Mineral County Planning Office

NATIONAL FLOOD INSURANCE PROGRAM SURVEY

2. FLOODPLAIN MANAGEMENT

Requirement	Recommended Action	Yes/No	Comments
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.		
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	yes	Planning Office
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	yes	Planning Office
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	yes	Planning
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	yes	Planning
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	Yes	Elevation stations are all required before and after construction

NATIONAL FLOOD INSURANCE PROGRAM SURVEY

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	<p>If yes, specify activities.</p>	<p>No</p>	

3. FLOOD INSURANCE			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality educate community members about the availability and value of flood insurance?	<p>If yes, specify how.</p>	<p>No</p>	
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	<p>If yes, specify how.</p>	<p>No</p>	
c. Does the municipality provide general assistance to community members regarding insurance issues?	<p>If yes, specify how.</p>	<p>No</p>	

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

JURISDICTION: _____ PENDLETON COUNTY _____

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	NO	Information is available online
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	YES	No formal adoption process , however latest information is used for flood determination. Latest is 03/07/2017
c. Does the municipality support request for map updates?	If yes, state how.	YES	Advise requester on how to obtain a LOMA
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	N/A	
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	NO	
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	NO	These records are available from FEMA

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	yes	
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	YES	Assessor's Office
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	NO	No relevant activity
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	YES	County Commission
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	YES	County Commission
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	NO	

2. FLOODPLAIN MANAGEMENT

Requirement	Recommended Action	Yes/No	Comments
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	<p>If yes, specify activities.</p> <p>NO</p>		

3. FLOOD INSURANCE

Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	YES	Provide advice on obtaining Flood Insurance
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	NO	
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	YES	Advise on value and reasons for flood insurance

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

JURISDICTION: TOWN OF FRANKLIN

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	Yes	They are available at the Town Office.
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	Yes	February 18, 2010
c. Does the municipality support request for map updates?	If yes, state how.	Yes	We submit requests for updates whenever an issue arises requiring them.
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	Yes	We would share any and all data that comes to us with FEMA.
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	Yes	The Town Floodplain manager assists in determinations.
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	Yes	The Town Office is the repository.

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

MUNICIPALITY: Town of Romney

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	No	
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	No	
c. Does the municipality support request for map updates?	If yes, state how.	No	
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	No	
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	No	
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	No	

2. FLOODPLAIN MANAGEMENT

Requirement		Recommended Action	Yes/No	Comments
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:		If yes, answer questions (1) through (4) below.	No	
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?		If yes, specify the office responsible.	Yes	Town of Remmey Zoning Officer
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?		If yes, specify the office responsible.	No	
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?		If yes, specify the office responsible.	Yes	Town of Remmey Zoning Officer
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?		If yes, specify the office responsible.	Yes	Town of Remmey Zoning Officer
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?		If yes, specify how.	Yes	Require Permits for New Construction

2. FLOODPLAIN MANAGEMENT

Requirement	Recommended Action	Yes/No	Comments
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	<p>If yes, specify activities.</p>	<p>No</p>	

3. FLOOD INSURANCE

Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	No	
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	No	
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	No	

Our municipality is in need of education Regarding NFIP. We would appreciate someone visiting our Town Office to instruct us as to the best way to develop a Flood Insurance Program.

National Flood Insurance Program (NFIP) Survey

Jurisdiction: Town of Capon Bridge

1a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?

Yes-Available at the Hampshire County Planning Office & the Hampshire County Library

1b. Has the municipality adopted the most current DFIRM/FIRM and FIS?

Yes--November 7, 2002

1c. Does the municipality support request for map updates?

Yes-GIS Layers and any new studies are presented.

1d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?

Yes-The Planning Office would share any scientific data via the Regional Office of FEMA and the WV State Office of Emergency Management FEMA Representatives.

1e. Does the municipality provide assistance with local floodplain determinations?

Yes--The Planning Office will review all forms and give guidance where needed. The Planning Office also uses Hampshire County GIS and the WV Flood Tool.

1f. Does the municipality maintain a record of approved Letters of Map Change?

Yes--The Planning Office

2a. Has the municipality adopted a compliant floodplain management ordinance that , at a minimum, regulates the following: Yes-See Below

1. Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?

Yes--The Hampshire County Planning Office

2. Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?

Yes--The Hampshire County Planning Office

3. Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?

Yes--The Hampshire County Planning Office

4. Does the municipality document and maintain records of elevation data that document lowest floor elevation for a new or substantially improved structures?

Yes--The Hampshire County Planning Office

2b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?

Yes--Building permits are required. Stop Work orders are issued for those who do not obtain a building permit. Floodplain inspections are completed for any work done in a floodplain. Fees and penalties are assessed when someone fails to comply.

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	Yes	
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	The Town Office issues permits.
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	Yes	The Town Floodplain manager is responsible for this.
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	The Floodplain manager oversees all construction.
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	The Town Office maintains these records.
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	Yes	Any and all violations would be addressed by the Town Council.

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	<p>If yes, specify activities.</p>	<p>Yes</p>	<p>The Town Council has discussed these plans, and the floodplain manager has worked with them on these endeavors. The Town however is very small and has had no significant construction in many years.</p>

3. FLOOD INSURANCE			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	Yes	This topic is discussed in public Council meetings.
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	Yes	Any changes are made public.
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	Yes	Any insurance issues that arise are discussed with the property owners that may be affected.

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

MUNICIPALITY: Town of Wardsville

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	No	
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	No	
c. Does the municipality support request for map updates?	If yes, state how.	No	
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	No	
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	No	
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	No	

NATIONAL FLOOD INSURANCE PROGRAM SURVEY

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	No	
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.		
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.		
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.		
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.		
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	No	

NATIONAL FLOOD INSURANCE PROGRAM SURVEY

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.	No	

3. FLOOD INSURANCE			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	No	
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	No	
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	No	



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Mineral County 911

Published by Luke McKenzie [?] · August 30 at 2:01pm ·

The Mineral County Office of Emergency Management and 911 is working with Region 8 Planning and Development Council to update its Hazard Mitigation Plan and looking ahead to increase resilience in the face of disasters. Help us by taking this short survey:
<https://www.surveymonkey.com/r/Region8HMP>.

Region 8 Planning & Development Council Hazard Mitigation Survey

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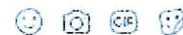
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Hampshire County Homeland Security & Emergency Mgmt - WV

September 13 · 🌐

09/13/2017:

Anonymous Public Input requested:

The Region 8 Planning and Development Council, and Hampshire County are in the process of updating its Hazard Mitigation Plan and looking ahead to increase resilience in the face of disasters. Help us by taking this short survey:

<https://www.surveymonkey.com/r/Region8HMP>

Region 8 Planning & Development Council Hazard Mitigation Survey

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Town of
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Town of Franklin/Franklin Pool & Park

Published by Frank Wehrle (?) Just now

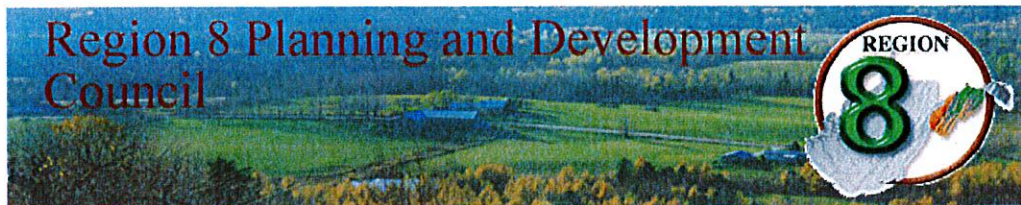
The Town of Franklin is currently participating in the Hazard Mitigation Plan update. This plan helps the Town and its citizens know what to do if and when catastrophic events occur. The Town is asking the public to participate by taking a few minutes and doing a survey. This will help the Town to know what the public needs are. Please click on the link below to participate in the survey. Thanks!

<https://www.surveymonkey.com/r/Region8HMP>

Region 8 Planning & Development Council Hazard Mitigation Survey

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MISSION STATEMENT

It is the mission of the Region 8 Planning and Development Council to obtain the maximum level of economic and community development in the Potomac Highlands of West Virginia through development, planning and by assisting local governments and businesses implement projects and programs.

ECONOMIC DEVELOPMENT

The Region 8 Planning and Development Council offers a number of economic development tools to local businesses and member governments. The Council has two loan programs that assist businesses with expansion, retention or businesses that are just starting up. The Council's loan programs, the Revolving Loan program and the Small Business Development Loan program can be combined with state and conventional lending sources to create attractive financial packages. The Council also works with local governments and development authorities to expand and improve water/sewer systems, industrial parks and other infrastructure needed to keep businesses competitive.

COMMUNITY DEVELOPMENT

The Region 8 Planning and Development Council provides support to local governments in the area of community development. The Council provides financial packaging and administration for infrastructure projects such as water/sewer, community planning, parks and street repair. If you would like more information on community development contact Region 8 at 304-257-2448.

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THE PENDLETON TIMES

Serving the Community since 1913

75

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Franklin, Pendleton County, West Virginia 26807

Thursday
November 2, 2017

COMMUNITY calendar

Veterans dinner set for Saturday

A veterans recognition dinner, sponsored by the Spruce Mountain Ruritan Club, will be held at 1 p.m. Saturday at the Clinton Hedrick Community Building, Riverton. The dinner is free to all Pendleton County veterans.

EWVCA to offer holiday assistance

Eastern West Virginia Community Action will be taking applications for Christmas assistance during the month of November.

Due to limited resources, first priority will be given to families with children who are younger than school age.

To apply, please contact Edna Mullenax at 304-358-7589 or visit the office on Painters Point in Franklin.

Library friends to meet Tuesday

Friends of the Library will meet at 4 p.m. Tuesday in the community room at Pendleton County Library, Franklin.

Meeting scheduled to discuss ways to prevent ACEs

Childhood experiences, both positive and negative, have a tremendous impact on future violence victimization and perpetration and lifelong health and opportunity. As such, early experiences are an important public health issue. Much of the foundational research in this area has been referred to as Adverse Childhood Experiences. ACEs can be prevented.

Jennifer Taylor-Idie will present information about preventing ACEs at a Pendleton County Family Resource Council public meeting. The meeting will be held at noon Friday at the Community Action Office on Painters Point in Franklin. Lunch will be provided.

For more information, please contact Edna Mullenax at 304-358-7589.

Free activities available to local senior citizens

Pendleton Senior and Family Services offers free monthly services to a group of senior citizens. Seniors are advised to clip and save the following list of programs.

- Tai Chi class, 11 a.m. Monday, Wednesday and Friday, Franklin;

- VA rep Carol Hafner, 10 a.m. - noon second Wednesday of each month, Franklin;

- Blood pressure check, 11 a.m. every second Thursday, Franklin, and every fourth Thursday, North Fork;

- Bingo, 10:30 a.m. every Friday, Franklin and North Fork;

- Computer classes (by appointment only) 9 - 11 a.m. Tuesday, North Fork, and Thursday, Franklin;

- Hearing tests (by appointment only) first and third Fridays, Franklin; and

- Monthly craft classes, contact the centers for dates.

For questions or more information, please call the senior center at 304-358-2421.



Don't forget to set clocks back one hour Saturday night.

NA group continues to meet



President Donald Trump declared the opioid epidemic a national public health emergency during a speech Oct. 26.

By Shawn Stinson

FRANKLIN - President Donald Trump declared the opioid epidemic a public health emergency Oct. 26 during an event in the East Room of the White House.

"This epidemic is a national health emergency," Trump said. "Nobody has seen anything like what is going on now. As Americans, we cannot allow this to continue. It is time to liberate our communities from this scourge of drug addiction."

The president said 64,000 Americans died from overdoses last year - 175 a day, seven every hour.

"We can be the generation that ends the opioid epidemic," he said. "We can do it."

West Virginia Sen. Joe Manchin was one of the legislators in attendance during the president's announcement.

"I applaud President Trump for finally taking these steps that will help in our fight against the opioid epidemic," Manchin said in a release. "This public health crisis declaration will give states like West Virginia the flexibility to enlist help from federal agencies and resources to combat this epidemic. At the declaration announcement,

I was pleased to hear that Zohydro, a drug that I have been trying to get off the shelves since 2013, is being pulled from the market. Because of this painkiller's high potential for misuse and abuse, Zohydro poses a severely dangerous threat to our communities in West Virginia and across our country and I'm glad this horrible decision by the FDA will finally be made right. I have long pushed for many of the actions that the President is taking, including expanding access to treatment options and educating our children on the risks associated with drugs, especially opioids, in order to make long-term improvements."

Manchin also applauded the president for taking additional steps to combat the opioid problem.

"West Virginia faces unique challenges in the crisis, especially the rural areas in our state," Manchin said. "The expansion of telemedicine to these areas is a game changer and will allow people struggling with substance use disorder the ability to receive opioid treatment prescriptions without seeing a doctor, which is a huge

(Continued on Page 7, Column 3)

Students hear about watershed, pollution

By Shawn Stinson

FRANKLIN - Pam Waybright's gifted student classes at Brandywine, Franklin and North Fork elementary schools had a visitor last week.

Connor Roessler, from the Cacapon Institute, addressed the students Oct. 26 about the Chesapeake Bay watershed and how the Potomac River plays a role in it. The following day the students took a field trip to the Experience Learning's Spruce Knob Mountain Center.

The Cacapon Institute's mission statement is "From the Cacapon to the Potomac to the Chesapeake Bay, we protect rivers and watersheds using science and education."

Roessler worked with the students to discuss some of the pollutants that they get into a watershed. He also informed the students that there is nearly 64,000 square miles of the Chesapeake Bay watershed. There are six states - Delaware, Maryland, New York, Pennsylvania, Virginia and West Virginia as well as Washington, D.C. - that are part of the Chesapeake Bay watershed.

Roessler added that "all the water that leads into it and anything it carries with

it" will affect the watershed.

The students and Roessler discussed storm water runoff and items it might include with it. Among the items students said would be in the runoff were limbs, soil and trash.

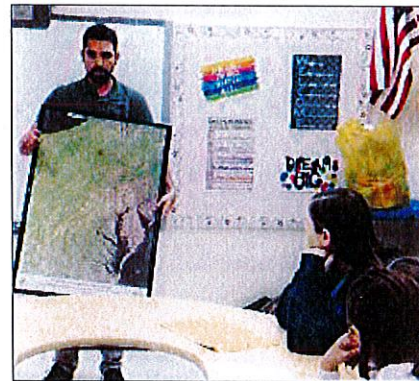
Roessler told the students about two categories of water pollution - point source and nonpoint source.

He defined point source pollution as something that people know where it comes from and how much there is. Roessler used a factory as an example of a point source because officials know the pollutants that are discharged through a pipe or smokestack.

"It's like having a light switch and we can turn it on and off," he said. "We know much is coming out of there."

Nonpoint source pollution, on the other hand, comes from several sources and officials aren't able to track a pollutant to just one. Roessler told the students that exhaust from cars is a "type of air pollution just like a factory," but is a nonpoint source because no one can determine the source of the pollution.

Reach Editor Shawn Stinson at 304-358-2304, editor@pendletontimes.com or follow him on Twitter @pendletontimes.



Connor Roessler displays a map of the Chesapeake Bay Watershed to students at Franklin Elementary School.

Volunteers take veterans hunting Officials asking for public input

By Shawn Stinson

BRANDYWINE - At first glance it looks like a group of guys getting together for a hunt, but a closer look reveals so much more.

The group features veterans as well as volunteers from the Potomac Highlands Wounded Warrior Outreach. They gathered at the South Fork Ruritan Club building Oct. 19 for a meet and greet before heading out for a crossbow deer hunt over the weekend.

Larry Flinn, the group's president, said this hunt, the capstone event for the year, is limited to as many as six wounded warriors because of the amount of supervision needed.

"There's stands built for them, we escort them out to the stands and actually sit with them in the stands," Flinn said. "We have guides with them to look after their needs, concerns and desires."

Flinn added there is usually one volunteer assigned to a participant, but increases depending on the ability of the wounded warrior.

During the weekend, the wounded warriors were also invited by Kevin Bartley with Sugar Grove Trophy Trout Farm to fish at the facility. Bartley also invites the group to fish during other activities throughout the year including last month's bear hunt.

"They will fish in the pond or

the stream or we have a little spring creek and they will fish in that," Bartley said. "They can fish in the river if they like. We just let them fish wherever they like."

"I think they caught 80 or 90 trout out of the pond during the bear hunt that I know of. I think six or seven fished and one guy caught 20 or so by himself."

The deer hunt or fly fishing at different spots in the state aren't the only activities planned by PHWWO throughout the year. Flinn said this is one of the easiest events to plan because of the limited number of wounded warriors.

"This one is the easy one because we limit the number of people," Flinn said. "We start out with the turkey hunt in the spring and we go to four fly fishing events in other parts of the state and we come back here for the bear hunt. And we finish up with this."

Both Bartley and Flinn credit Bill Armstrong for getting them involved in the PHWWO and continuing his legacy. Flinn said his involvement started in 2010 when the group was created by Armstrong, Carole Hartman, who serves as the secretary and treasurer, and others. Bartley came on board a year later and started taking wounded warriors deer, gobbler hunting and fishing on Roberts Pond.

Flinn estimates that nearly 500 wounded warriors have benefited

from the activities organized by the PHWWO.

Flinn was brought to tears when he talked about the program and how it can mean so much more to the wounded warriors than just going hunting or fishing. He recalled several years when one veteran nearly didn't participate, but he did and it changed this life.

"I have seen guys ready to put the pistol in their mouth and by the end of the weekend, they're enjoying it," Flinn said. "I had a guy out in Elk Springs three years ago. He almost didn't come ... he was just cursing the hell out of the world. If you know that picture about the 1st Cavalry Division in Vietnam 'We Were Soldiers.' He was one of the guys in the battalion that lost 50 percent. Some of the guys we bring back three or four times because we see what it's doing and they'll finally say thank you."

Flinn also wanted to thank his volunteers and the residents of Pendleton County for their assistance in making the wounded warriors feel welcomed. Flinn said the guides and their dogs did all they could during the recent bear hunt to make sure it is successful.

"They are bound and determined that everybody will leave with a bear," Flinn said. "We had 11 hunters and 10 bears. Out of all the counties in the state this place really opens up its heart and wallet to wounded warriors."

Officials asking for public input

By Shawn Stinson

FRANKLIN - Region 8 officials are seeking input from residents in the form of an online survey.

The survey, produced by JH Consulting, based in Buckhannon, is asking for public involvement in the Region 8 Hazard Mitigation Plan. The plan can be found at <https://www.surveymonkey.com/r/Region8HMP>.

Region 8 includes Grant, Hampshire, Hardy, Mineral and Pendleton counties.

Survey participants are asked questions concerning natural and man-made hazards such as flooding, severe weather and terrorist (foreign and domestic). The survey also includes questions about how well a community responds to a hazard.

Other questions center on information regarding the participant's residence. It asks if the participant carries flood, sewer backup, flood plain, homeowner's or renter's insurance on their dwelling. In addition, the survey asks if there have been repairs or upgrades to a residence to reduce mitigation.

Amy Heimberger, an emergency preparedness planner with JH Consulting, said a new hazard mitigation plan must be developed every five years and submitted to Federal Emergency Management Agency for approval.

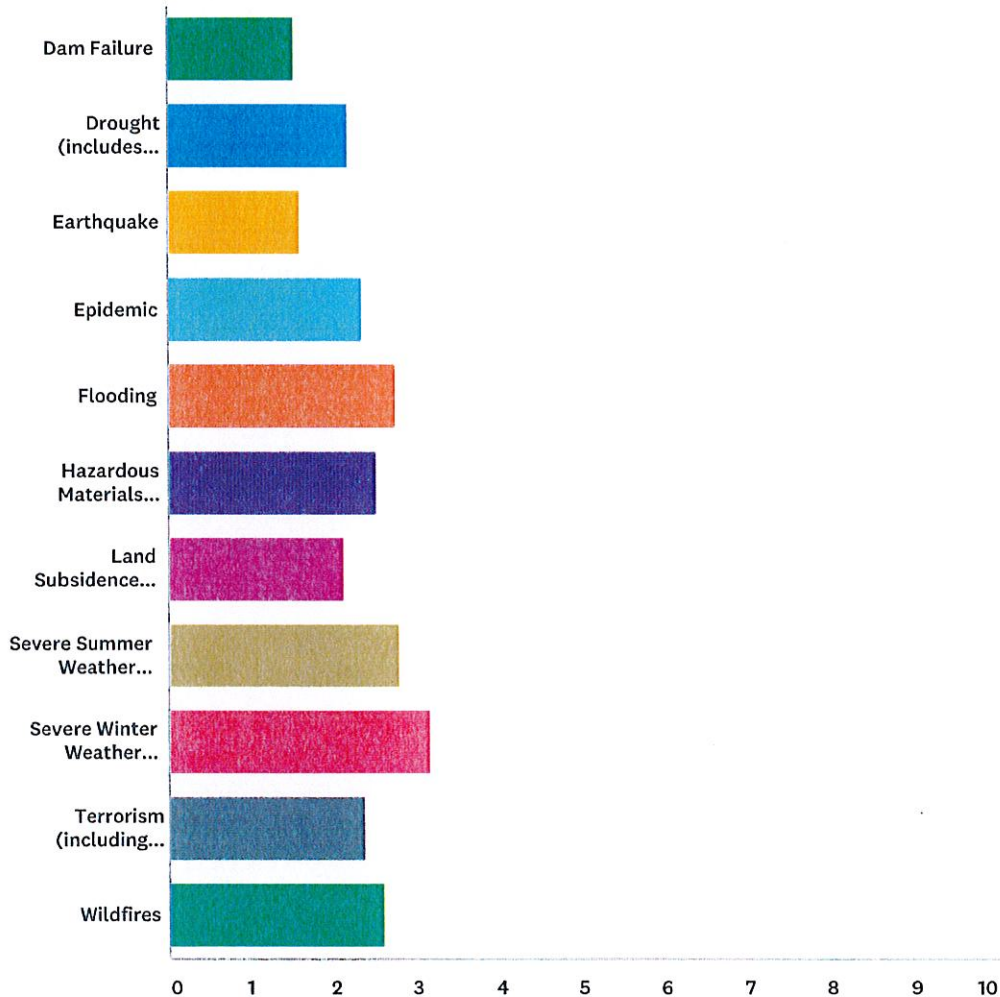
"The survey has been open for a couple of months," Heimberger said. "It will probably still be open for a couple more months."

The information garnered from the survey assists in identifying risks and vulnerabilities associated with natural and man-made disasters. In addition, officials will be able to use the information to develop long-term strategies for protecting people and property from future events.

Reach Editor Shawn Stinson at 304-358-2304, editor@pendletontimes.com or follow him on Twitter @pendletontimes.

Q1 Please indicate how concerned you are about the following hazards, specifically where you live.

Answered: 53 Skipped: 0



	NOT AT ALL CONCERNED	SOMEWHAT CONCERNED	CONCERNED	VERY CONCERNED	TOTAL	WEIGHTED AVERAGE
Dam Failure	62.50% 35	23.21% 13	14.29% 8	0.00% 0	56	1.52
Drought (includes convention drought and water interruptions due to chemical spills, etc.)	19.30% 11	47.37% 27	29.82% 17	3.51% 2	57	2.18
Earthquake	46.55% 27	48.28% 28	5.17% 3	0.00% 0	58	1.59
Epidemic	15.52% 9	44.83% 26	29.31% 17	10.34% 6	58	2.34
Flooding	5.17% 3	36.21% 21	37.93% 22	20.69% 12	58	2.74

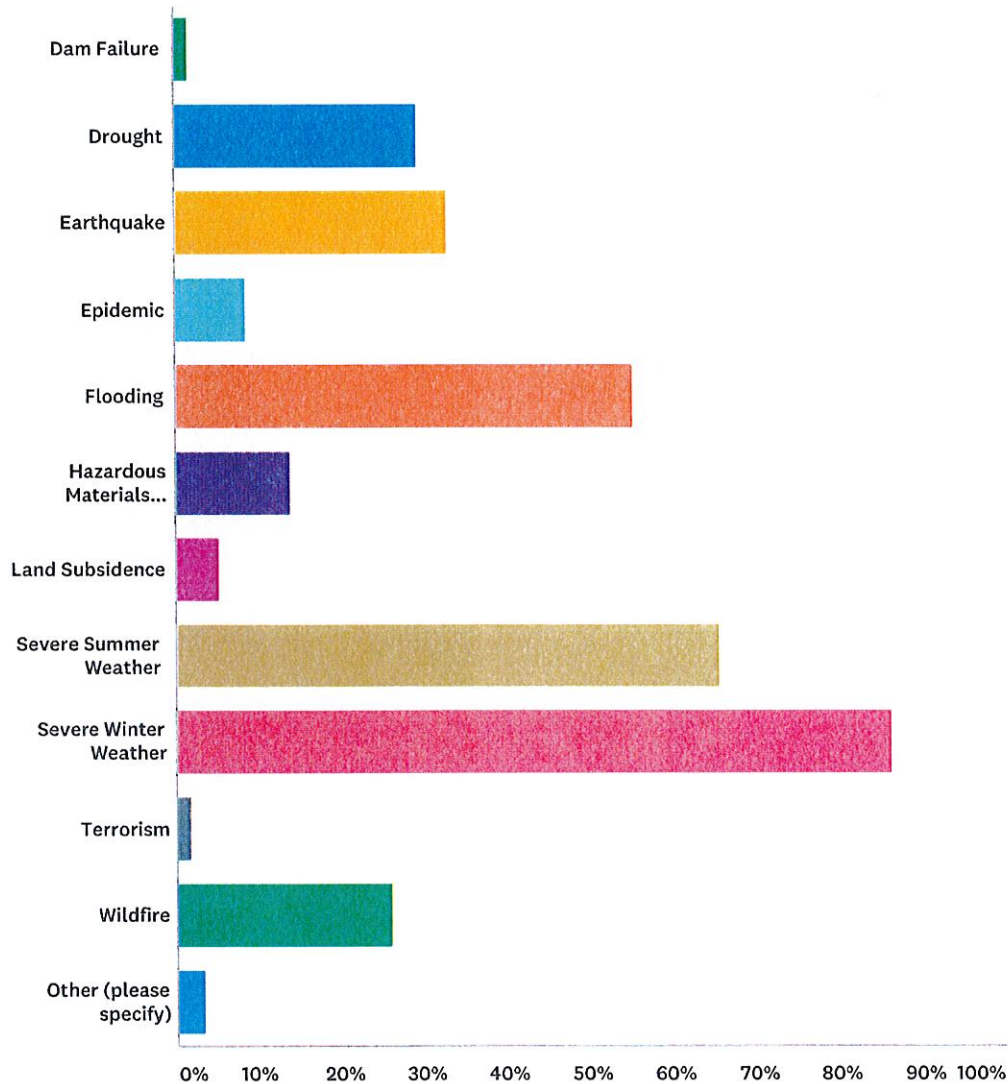
Region 8 Planning & Development Council Hazard Mitigation Survey

Hazardous Materials Incidents	14.04% 8	31.58% 18	43.86% 25	10.53% 6	57	2.51
Land Subsidence (includes landslides, rock slides, mud flows, sink holes, etc.)	20.69% 12	50.00% 29	25.86% 15	3.45% 2	58	2.12
Severe Summer Weather (includes tornadoes, lightning, hurricanes, thunderstorms, hail, etc.)	5.17% 3	31.03% 18	44.83% 26	18.97% 11	58	2.78
Severe Winter Weather (includes ice storms, blizzards, heavy snow, etc.)	1.72% 1	13.79% 8	51.72% 30	32.76% 19	58	3.16
Terrorism (including foreign and domestic)	17.24% 10	39.66% 23	32.76% 19	10.34% 6	58	2.36
Wildfires	8.62% 5	37.93% 22	37.93% 22	15.52% 9	58	2.60

Region 8 Planning & Development Council Hazard Mitigation Survey

Q2 In the past 10 years, which hazards do you recall having occurred in your community? (Check all that apply)

Answered: 58 Skipped: 0



ANSWER CHOICES

Dam Failure
Drought
Earthquake
Epidemic
Flooding
Hazardous Materials Incident (transportation or facility)
Land Subsidence

RESPONSES

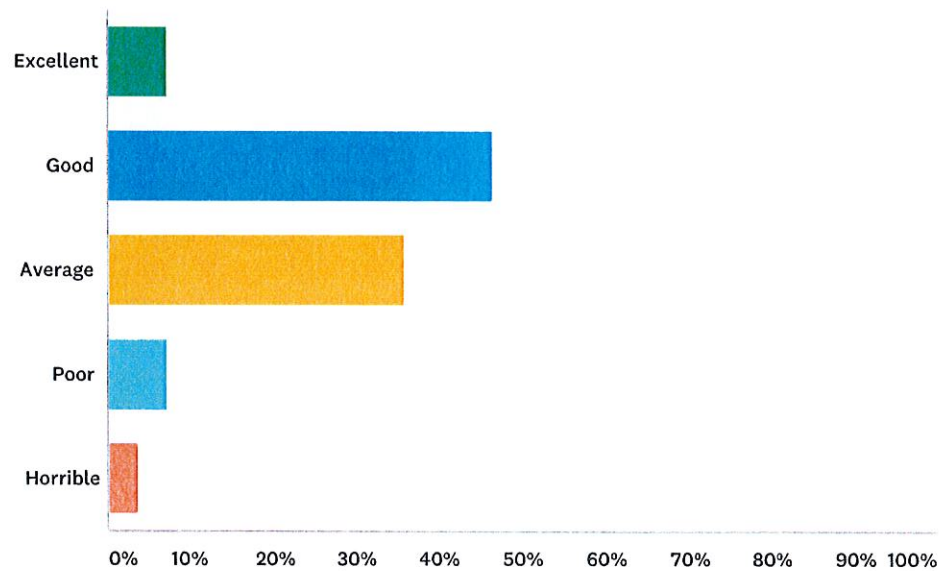
1.72% 1
29.31% 17
32.76% 19
8.62% 5
55.17% 32
13.79% 8
5.17% 3

Region 8 Planning & Development Council Hazard Mitigation Survey

Severe Summer Weather	65.52%	38
Severe Winter Weather	86.21%	50
Terrorism	1.72%	1
Wildfire	25.86%	15
Other (please specify)	3.45%	2
Total Respondents: 58		

Q3 Think back to a recent hazard occurrence (any from questions 1 or 2.)
How would you rate your community's ability to handle the hazard event?

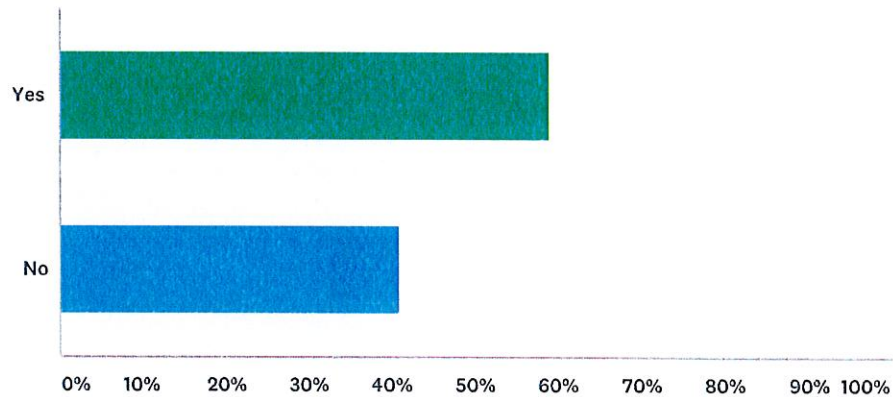
Answered: 56 Skipped: 2



ANSWER CHOICES	RESPONSES	
Excellent	7.14%	4
Good	46.43%	26
Average	35.71%	20
Poor	7.14%	4
Horrible	3.57%	2
TOTAL		56

Q4 During this event did you receive information or warnings from local media (TV, Radio, Text) or social media (Facebook/Twitter) that was either from or forwarded from your local public officials / emergency management officials?

Answered: 56 Skipped: 2



ANSWER CHOICES

Yes

No

TOTAL

RESPONSES

58.93%

41.07%

33

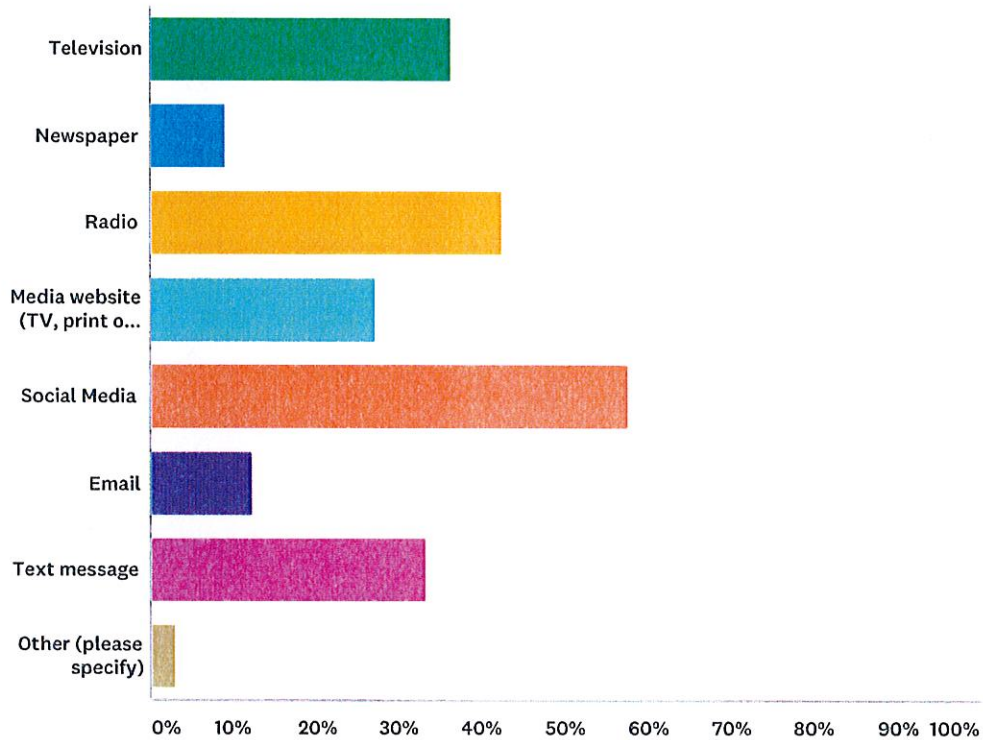
23

56

Region 8 Planning & Development Council Hazard Mitigation Survey

Q5 How did you receive this information?

Answered: 33 Skipped: 25



ANSWER CHOICES

Television
 Newspaper
 Radio
 Media website (TV, print or radio)
 Social Media
 Email
 Text message
 Other (please specify)

RESPONSES

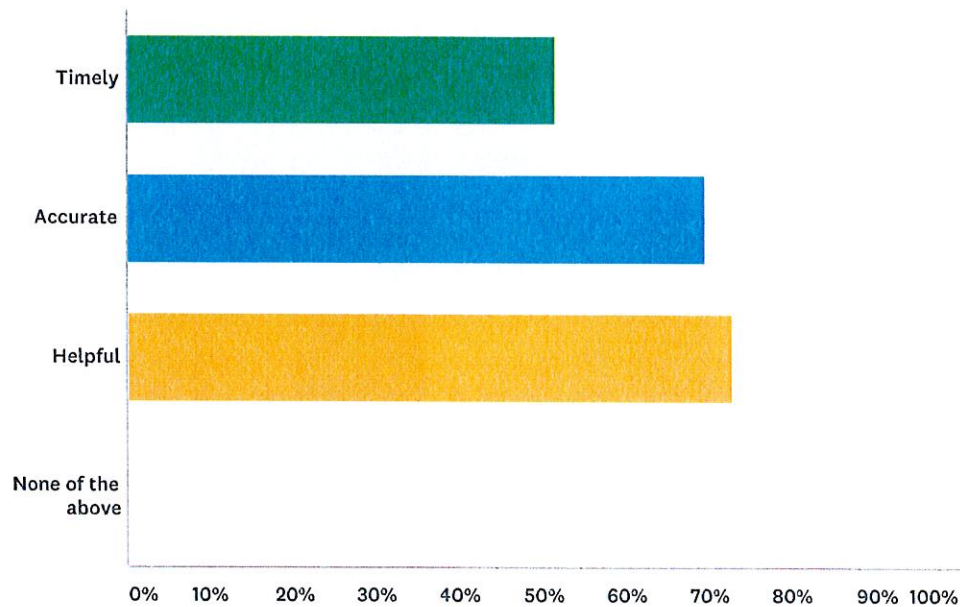
36.36%	12
9.09%	3
42.42%	14
27.27%	9
57.58%	19
12.12%	4
33.33%	11
3.03%	1

Total Respondents: 33



Q6 Was this information timely, accurate and helpful? (choose as many as apply)

Answered: 33 Skipped: 25



ANSWER CHOICES

RESPONSES

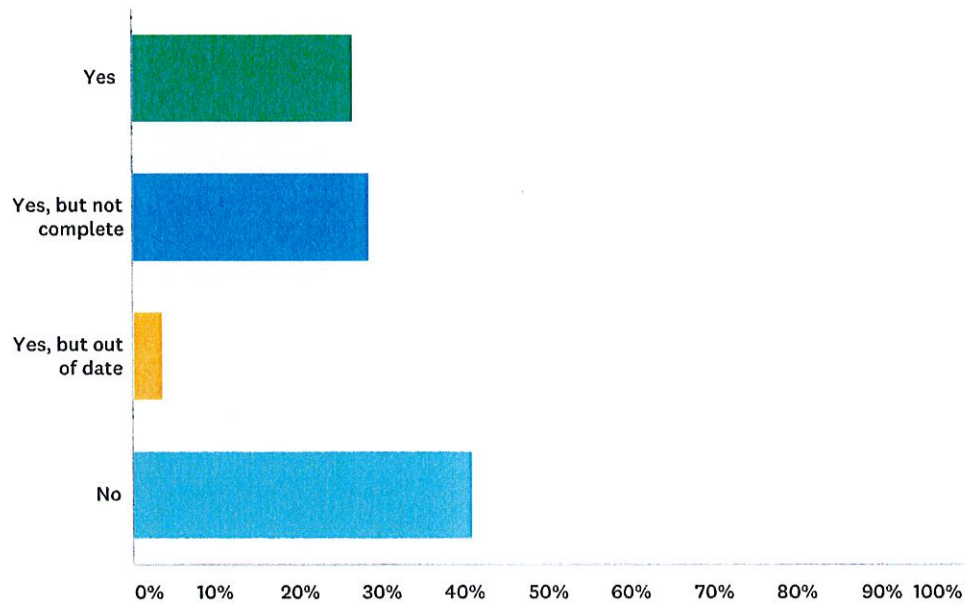
Timely	51.52%	17
Accurate	69.70%	23
Helpful	72.73%	24
None of the above	0.00%	0
Total Respondents: 33		



Region 8 Planning & Development Council Hazard Mitigation Survey

Q7 Do you / does your household have a 72-hour kit?
(<http://www.ready.gov/build-a-kit>)

Answered: 56 Skipped: 2



ANSWER CHOICES

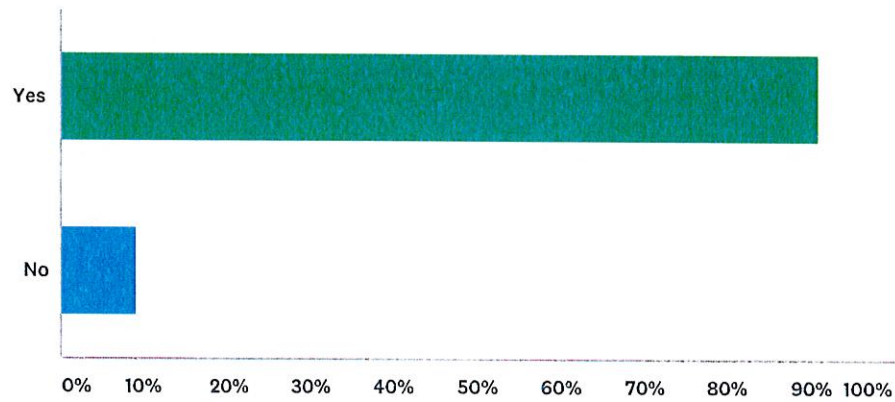
Yes
Yes, but not complete
Yes, but out of date
No
TOTAL

RESPONSES

26.79% 15
28.57% 16
3.57% 2
41.07% 23
56

Q8 Do you have homeowners/renters insurance?

Answered: 56 Skipped: 2



ANSWER CHOICES

Yes

No

TOTAL

RESPONSES

91.07%

8.93%

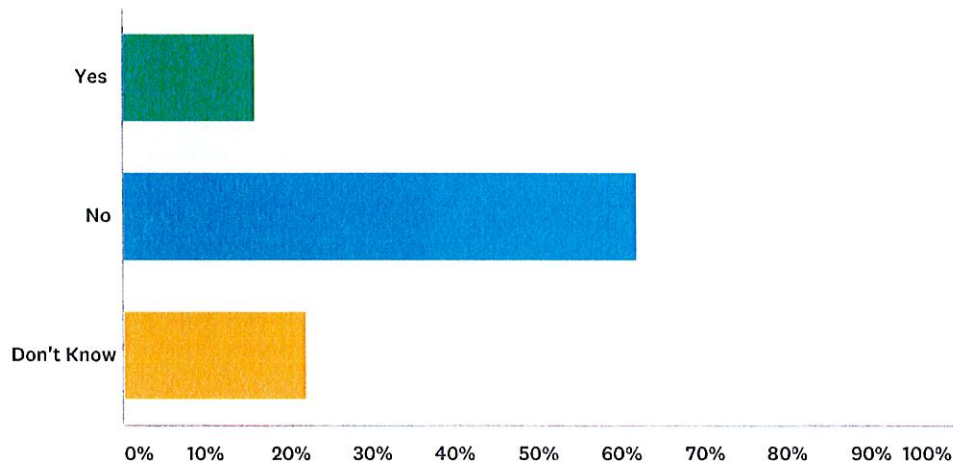
51

5

56

Q9 Does your homeowner/renters insurance include flood insurance?

Answered: 50 Skipped: 8



ANSWER CHOICES

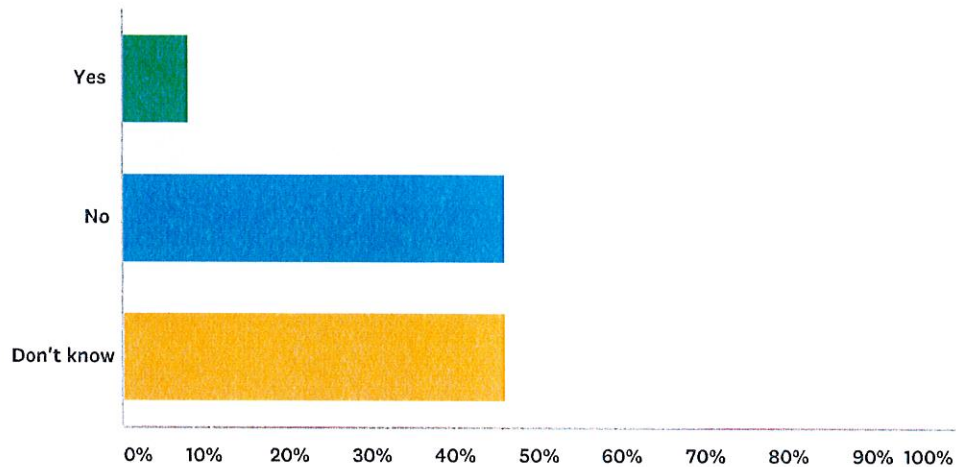
Yes
No
Don't Know
TOTAL

RESPONSES

16.00% 8
62.00% 31
22.00% 11
50

Q10 Does your policy include sewer back up insurance (or have a sewer back up policy rider)?

Answered: 50 Skipped: 8



ANSWER CHOICES

Yes

No

Don't know

TOTAL

RESPONSES

8.00%

46.00%

46.00%

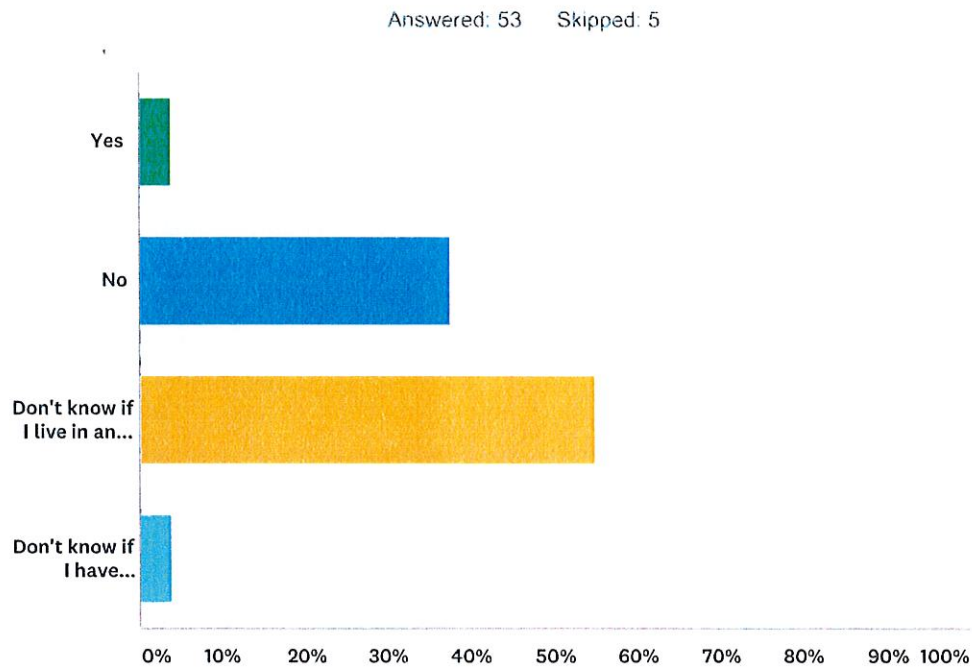
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23

50

Q11 If you live in a Special Flood Hazard Area (SFHA), do you have floodplain insurance?



ANSWER CHOICES

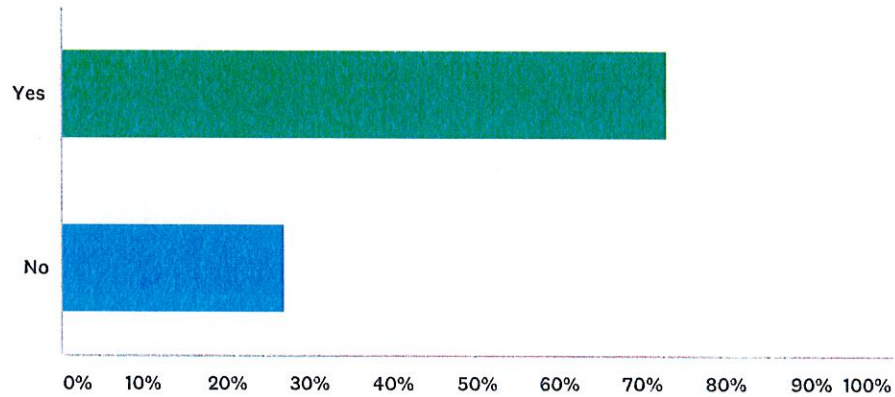
Yes
No
Don't know if I live in an SFHA
Don't know if I have floodplain insurance
TOTAL

RESPONSES

3.77% 2
37.74% 20
54.72% 29
3.77% 2
53

Q12 Are you willing to spend your money on mitigation activities for your home?

Answered: 52 Skipped: 6



ANSWER CHOICES

Yes

No

TOTAL

RESPONSES

73.08%

26.92%

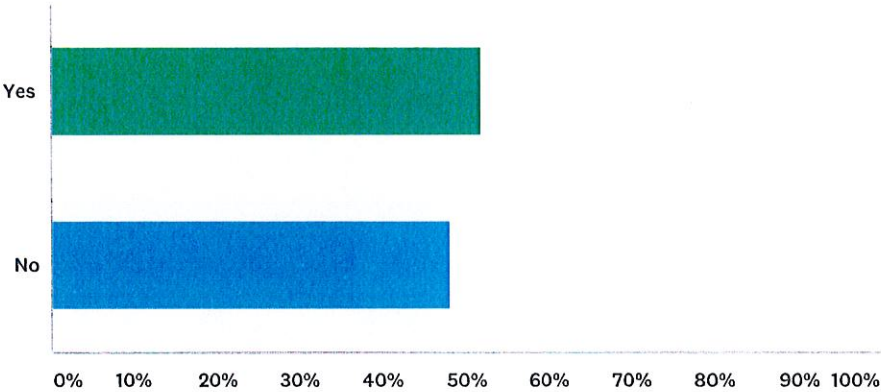
38

14

52

Q13 Have you performed any improvements to your home to reduce your risk from a hazard?

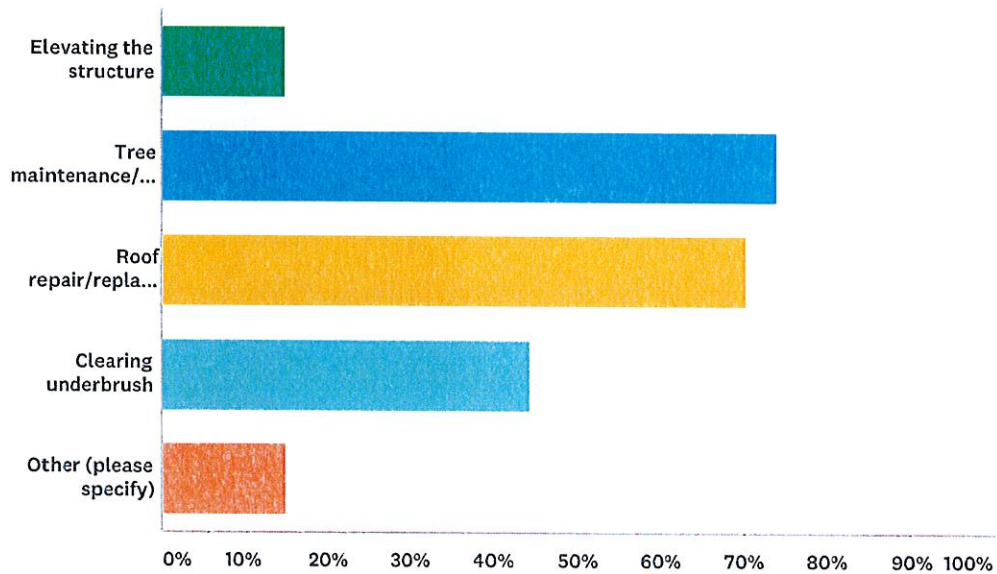
Answered: 52 Skipped: 6



ANSWER CHOICES	RESPONSES	
Yes	51.92%	27
No	48.08%	25
TOTAL		52

Q14 Please indicate what improvements you have made:

Answered: 27 Skipped: 31



ANSWER CHOICES

Elevating the structure
 Tree maintenance/removal
 Roof repair/replacement
 Clearing underbrush
 Other (please specify)
 Total Respondents: 27

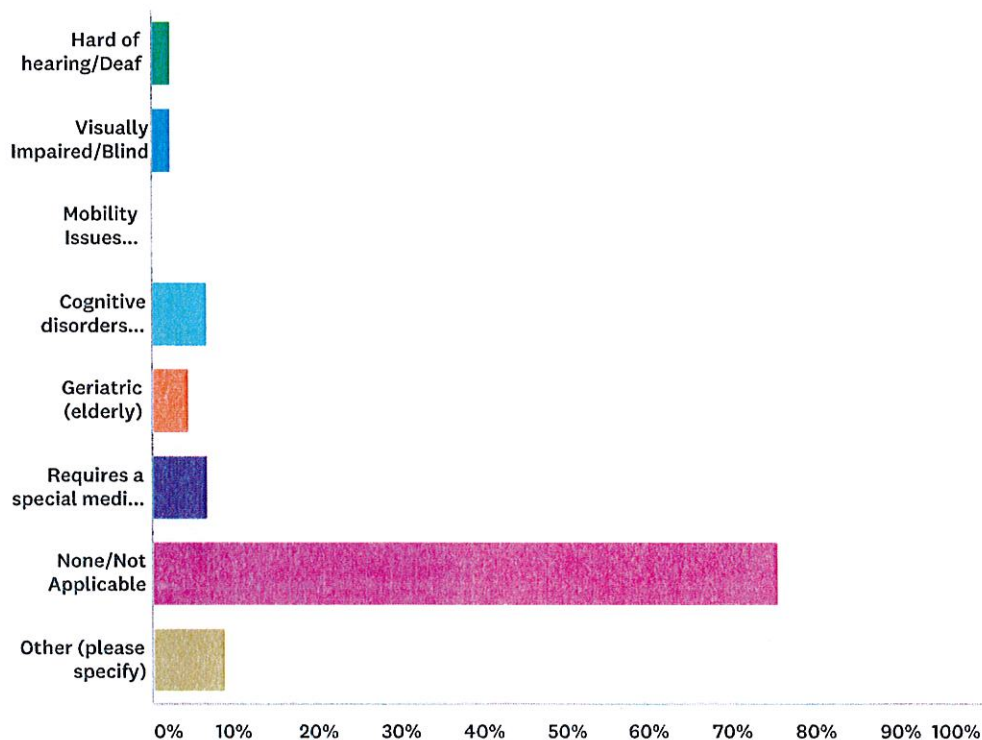
RESPONSES

14.81% 4
 74.07% 20
 70.37% 19
 44.44% 12
 14.81% 4

Region 8 Planning & Development Council Hazard Mitigation Survey

Q15 Do you, or someone who resides in your residence, have a special need that emergency service providers should be aware of in an emergency? (Please pick all the apply)

Answered: 45 Skipped: 13



ANSWER CHOICES

Hard of hearing/Deaf

Visually Impaired/Blind

Mobility Issues (non-ambulatory, confined to a wheelchair, requires the use of a cane or walker)

Cognitive disorders (includes autism, depression, etc.)

Geriatric (elderly)

Requires a special medical device (such as a Ventilator, CPAP machine, or drugs that require refrigeration [I.E. insulin])

None/Not Applicable

Other (please specify)

Total Respondents: 45

RESPONSES

2.22% 1

2.22% 1

0.00% 0

6.67% 3

4.44% 2

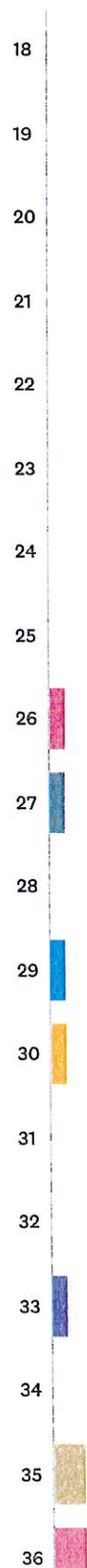
6.67% 3

75.56% 34

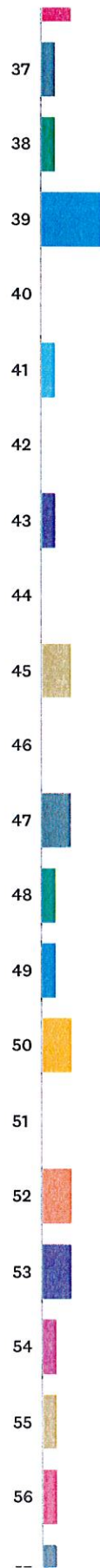
8.89% 4

Q16 Please provide your age

Answered: 47 Skipped: 11



Region 8 Planning & Development Council Hazard Mitigation Survey



Region 8 Planning & Development Council Hazard Mitigation Survey

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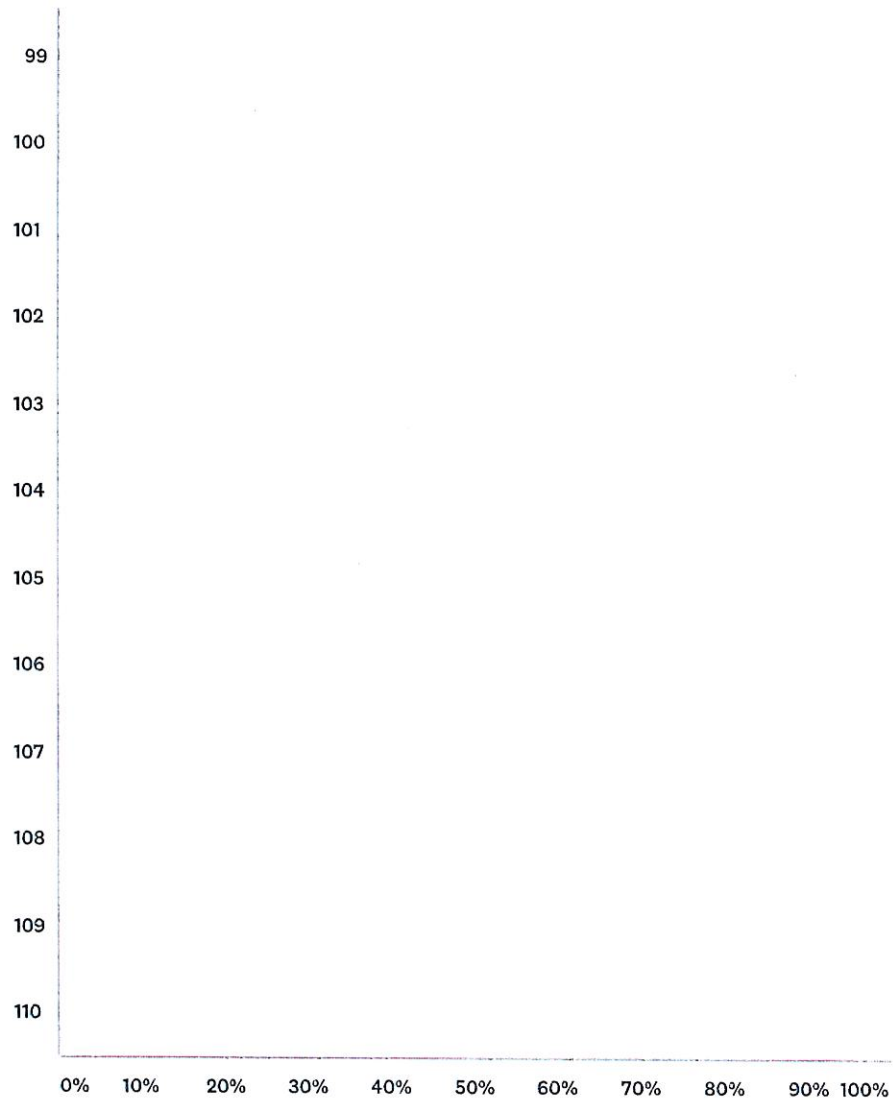


Region 8 Planning & Development Council Hazard Mitigation Survey

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96
97
98



Region 8 Planning & Development Council Hazard Mitigation Survey



ANSWER CHOICES

RESPONSES

18	0.00%	0
19	0.00%	0
20	0.00%	0
21	0.00%	0
22	0.00%	0
23	0.00%	0
24	0.00%	0
25	0.00%	0
26	2.13%	1
27	2.13%	1
28	0.00%	0

Region 8 Planning & Development Council Hazard Mitigation Survey

29	2.13%	1
30	2.13%	1
31	0.00%	0
32	0.00%	0
33	2.13%	1
34	0.00%	0
35	4.26%	2
36	4.26%	2
37	2.13%	1
38	2.13%	1
39	8.51%	4
40	0.00%	0
41	2.13%	1
42	0.00%	0
43	2.13%	1
44	0.00%	0
45	4.26%	2
46	0.00%	0
47	4.26%	2
48	2.13%	1
49	2.13%	1
50	4.26%	2
51	0.00%	0
52	4.26%	2
53	4.26%	2
54	2.13%	1
55	2.13%	1
56	2.13%	1
57	2.13%	1
58	0.00%	0
59	4.26%	2
60	2.13%	1
61	0.00%	0
62	0.00%	0
63	0.00%	0

Region 8 Planning & Development Council Hazard Mitigation Survey

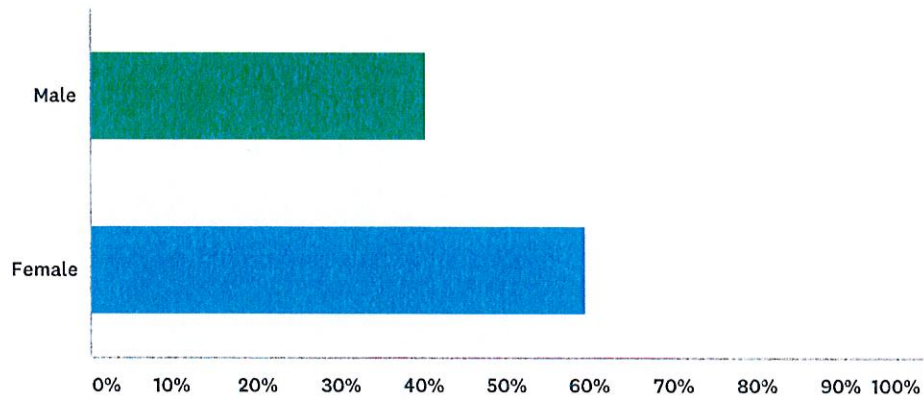
64	0.00%	0
65	0.00%	0
66	4.26%	2
67	2.13%	1
68	4.26%	2
69	2.13%	1
70	2.13%	1
71	0.00%	0
72	4.26%	2
73	0.00%	0
74	0.00%	0
75	2.13%	1
76	0.00%	0
77	0.00%	0
78	0.00%	0
79	0.00%	0
80	2.13%	1
81	0.00%	0
82	0.00%	0
83	0.00%	0
84	0.00%	0
85	0.00%	0
86	0.00%	0
87	0.00%	0
88	0.00%	0
89	0.00%	0
90	0.00%	0
91	0.00%	0
92	0.00%	0
93	0.00%	0
94	0.00%	0
95	0.00%	0
96	0.00%	0
97	0.00%	0
98	0.00%	0

Region 8 Planning & Development Council Hazard Mitigation Survey

99	0.00%	0
100	0.00%	0
101	0.00%	0
102	0.00%	0
103	0.00%	0
104	0.00%	0
105	0.00%	0
106	0.00%	0
107	0.00%	0
108	0.00%	0
109	0.00%	0
110	0.00%	0
TOTAL		47

Q17 Gender

Answered: 47 Skipped: 11



ANSWER CHOICES

Male

Female

TOTAL

RESPONSES

40.43%

59.57%

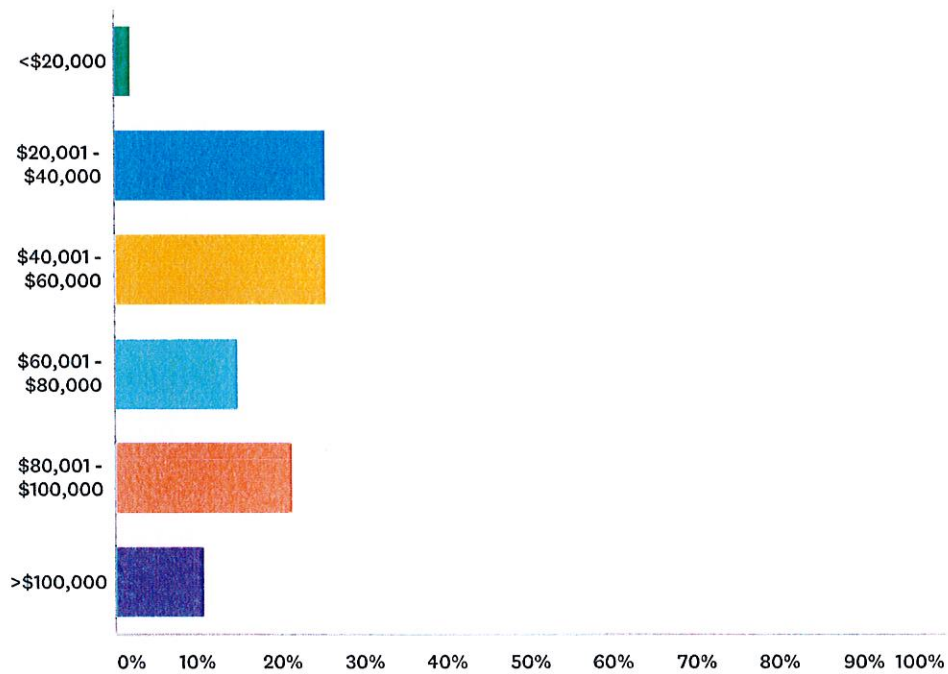
19

28

47

Q18 Please indicate your household income:

Answered: 47 Skipped: 11



ANSWER CHOICES

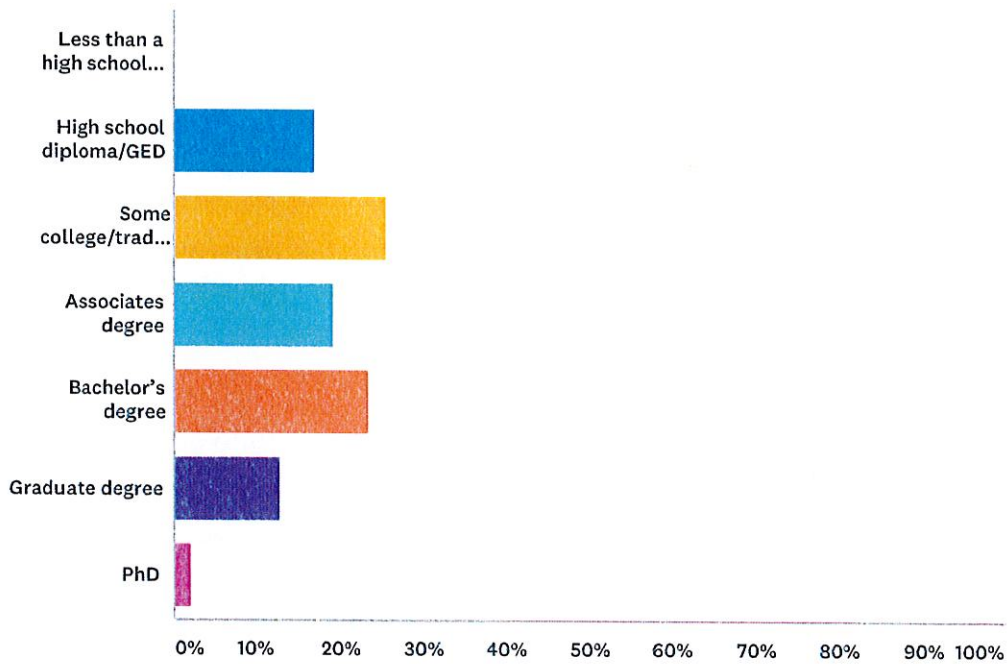
<\$20,000
\$20,001 - \$40,000
\$40,001 - \$60,000
\$60,001 - \$80,000
\$80,001 - \$100,000
>\$100,000
TOTAL

RESPONSES

2.13%	1
25.53%	12
25.53%	12
14.89%	7
21.28%	10
10.64%	5
	47

Q19 Please indicate your level of education

Answered: 47 Skipped: 11



ANSWER CHOICES

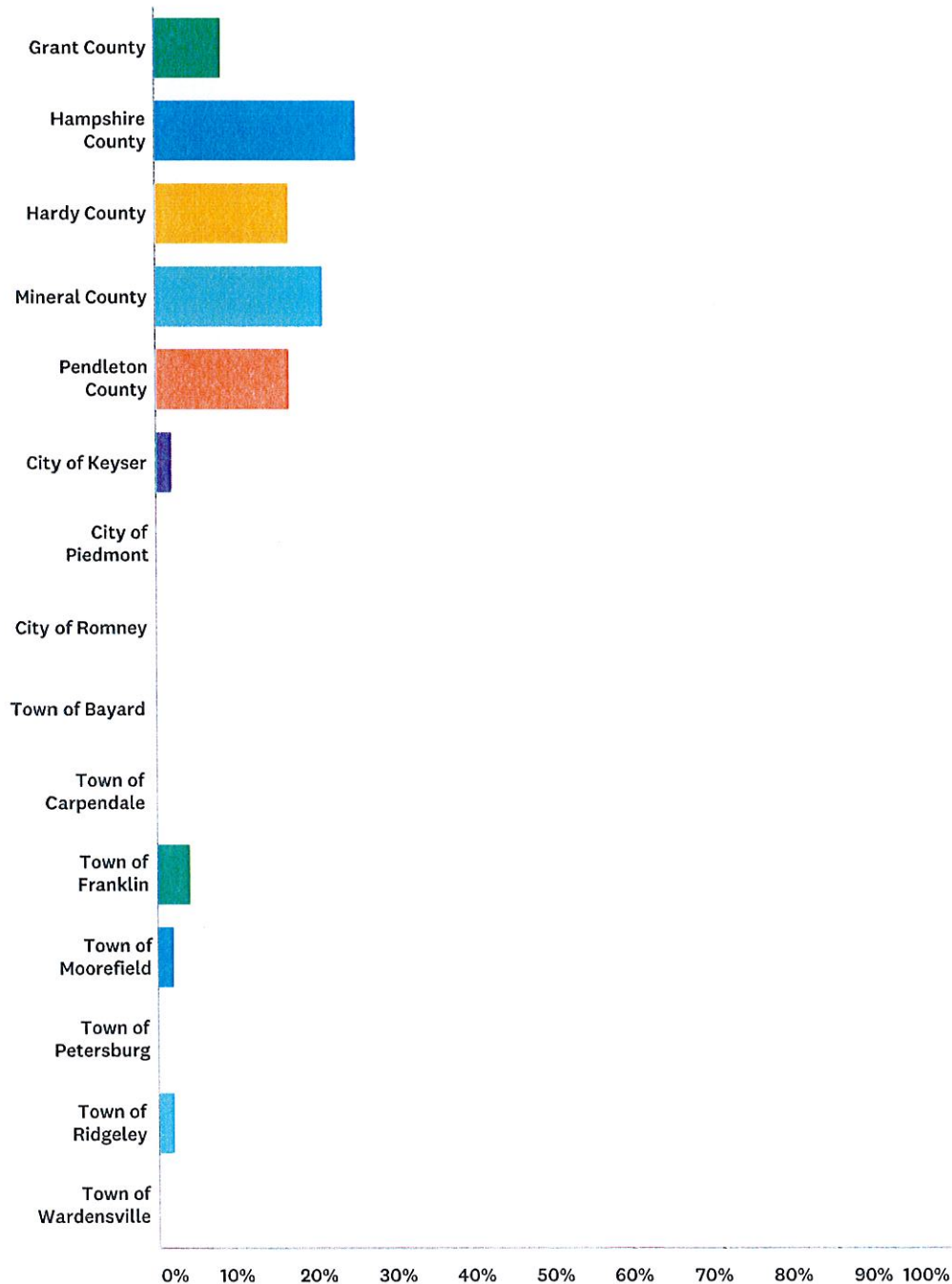
RESPONSES

Less than a high school diploma	0.00%	0
High school diploma/GED	17.02%	8
Some college/trade school	25.53%	12
Associates degree	19.15%	9
Bachelor's degree	23.40%	11
Graduate degree	12.77%	6
PhD	2.13%	1
TOTAL		47

Region 8 Planning & Development Council Hazard Mitigation Survey

Q20 Where do you live?

Answered: 47 Skipped: 11



ANSWER CHOICES

Grant County
Hampshire County
Hardy County

RESPONSES

8.51%
25.53%
17.02%

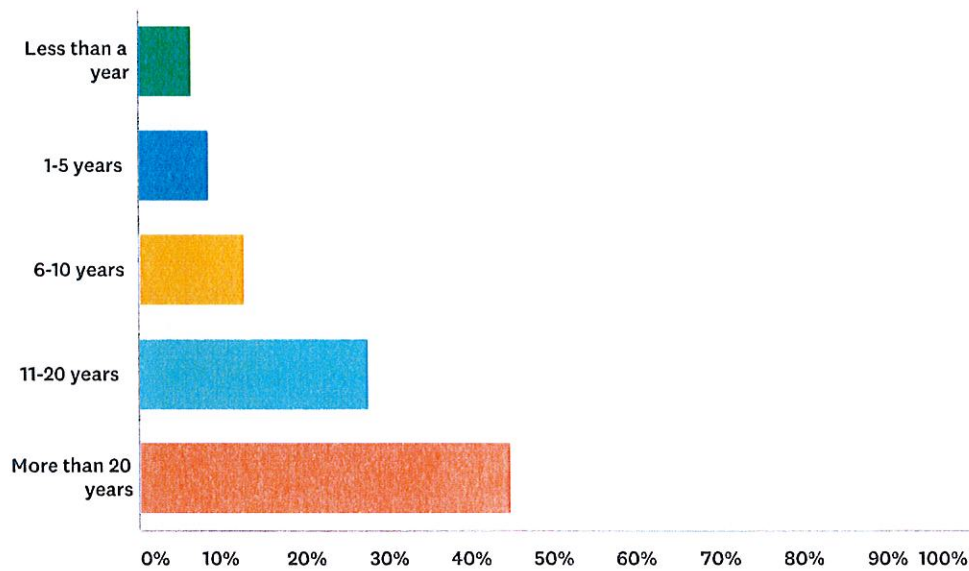
4
12
8

Region 8 Planning & Development Council Hazard Mitigation Survey

Mineral County	21.28%	10
Pendleton County	17.02%	8
City of Keyser	2.13%	1
City of Piedmont	0.00%	0
City of Romney	0.00%	0
Town of Bayard	0.00%	0
Town of Carpendale	0.00%	0
Town of Franklin	4.26%	2
Town of Moorefield	2.13%	1
Town of Petersburg	0.00%	0
Town of Ridgeley	2.13%	1
Town of Wardensville	0.00%	0
TOTAL		47

Q21 How long have you resided in your community?

Answered: 47 Skipped: 11



ANSWER CHOICES

- Less than a year
- 1-5 years
- 6-10 years
- 11-20 years
- More than 20 years
- TOTAL

RESPONSES

- 6.38%
- 8.51%
- 12.77%
- 27.66%
- 44.68%

- 3
- 4
- 6
- 13
- 21
- 47

Q22 If you would like to take part in additional surveys regarding potential hazard mitigation projects please provide a valid email address.

Answered: 12 Skipped: 46

Q23 Please share any other comments you have

Answered: 6 Skipped: 52

Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Grant Memorial Hospital
Ronnie Arbaugh, Human Resource Manager
P.O. Box 1019
Petersburg, WV 26847

Dear Mr. Arbaugh:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

In particular, we are interested in your thoughts as to any hazards that may be associated with your operation and impact our county. Conversely, we would like to know of any hazards that originate in Grant, Hampshire, Hardy, Mineral, or Pendleton Counties that you feel could impact your business. Also, please let us know what type of hazard you are most concerned about (dam failure, drought, earthquake, epidemic, flood, hazardous materials incident, land subsidence, severe summer or winter weather, terrorism, or wildfire).

If you have any questions or would like to comment on the plan, please submit all notes to me at cdent@regioneight.org or to our consultant, JH Consulting, at aheimberger@phcpreparedness.com. Please use the subject "Region 8 Hazard Mitigation Plan Comments."

Thank you for your participation in this important project. We look forward to your comments and, as always, feel free to contact me with any questions.

Sincerely,



Carla Dent, Executive Assistant

Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

American Woodmark
Faron Shanholtz, Human Resource Manager
587 Robert C. Byrd Industrial Park Road
Moorefield, WV 26836

Dear Mr. Shanholtz:

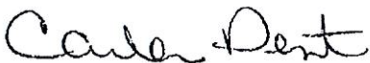
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Carla Dent, Executive Assistant

Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Pilgrims Pride
Peyton Umstot, Manager
129 Potomac Avenue
Moorefield, WV 26836

Dear Mr. Umstot:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

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Sincerely,



Carla Dent, Executive Assistant

Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Allegheny Dimensions
Paul Gilbert, Manager
390 Moorefield Industrial Park Road
Moorefield, WV 26836

Dear Mr. Gilbert:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

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Carla Dent, Executive Assistant

Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Region 9 Planning and Development Council
Bill Clark, Executive Director
400 W. Stephen Street, Suite 301
Martinsburg, WV 25401

Dear Mr. Clark:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

In particular, we are interested in your thoughts as to any hazards that may be associated with your operation and impact our county. Conversely, we would like to know of any hazards that originate in Grant, Hampshire, Hardy, Mineral, or Pendleton Counties that you feel could impact your business. Also, please let us know what type of hazard you are most concerned about (dam failure, drought, earthquake, epidemic, flood, hazardous materials incident, land subsidence, severe summer or winter weather, terrorism, or wildfire).

If you have any questions or would like to comment on the plan, please submit all notes to me at cdent@regioneight.org or to our consultant, JH Consulting, at aheimberger@phcpreparedness.com. Please use the subject "Region 8 Hazard Mitigation Plan Comments."

Thank you for your participation in this important project. We look forward to your comments and, as always, feel free to contact me with any questions.

Sincerely,



Carla Dent, Executive Assistant

Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Region 7 Planning and Development Council
Shane Whitehair, Executive Director
99 Edmiston Way, Suite 225
Buckhannon, West Virginia 26201

Dear Mr. Whitehair:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

In particular, we are interested in your thoughts as to any hazards that may be associated with your operation and impact our county. Conversely, we would like to know of any hazards that originate in Grant, Hampshire, Hardy, Mineral, or Pendleton Counties that you feel could impact your business. Also, please let us know what type of hazard you are most concerned about (dam failure, drought, earthquake, epidemic, flood, hazardous materials incident, land subsidence, severe summer or winter weather, terrorism, or wildfire).

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Sincerely,



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Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Eastern Community and Technical College
Charles Terrell, President
316 Eastern Drive
Moorefield, WV 26836

Dear President Terrell:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

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Sincerely,



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Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Grant County Board of Education
Doug Lambert, Superintendent
204 Jefferson Avenue
Petersburg, WV 26847

Dear Mr. Lambert:


The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

In particular, we are interested in your thoughts as to any hazards that may be associated with your operation and impact our county. Conversely, we would like to know of any hazards that originate in Grant, Hampshire, Hardy, Mineral, or Pendleton Counties that you feel could impact your operation. Also, please let us know what type of hazard you are most concerned about (dam failure, drought, earthquake, epidemic, flood, hazardous materials incident, land subsidence, severe summer or winter weather, terrorism, or wildfire).

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Sincerely,



Carla Dent, Executive Assistant

Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Region 4 Planning and Development Council
John Tuggle, Executive Director
885 Broad Street, Suite 100
Summersville, West Virginia 26651

Dear Mr. Tuggle:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

In particular, we are interested in your thoughts as to any hazards that may be associated with your operation and impact our county. Conversely, we would like to know of any hazards that originate in Grant, Hampshire, Hardy, Mineral, or Pendleton Counties that you feel could impact your business. Also, please let us know what type of hazard you are most concerned about (dam failure, drought, earthquake, epidemic, flood, hazardous materials incident, land subsidence, severe summer or winter weather, terrorism, or wildfire).

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Sincerely,



Carla Dent, Executive Assistant

Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Potomac Valley Hospital
Attn: Manager
100 Pin Oak Lane
Keyser, WV 26726

Dear Manager:

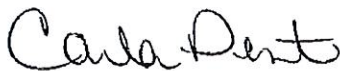
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Sincerely,



Carla Dent, Executive Assistant

Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Potomac Valley Hospital
Attn: Manager
100 Pin Oak Lane
Keyser, WV 26726

Dear Manager:

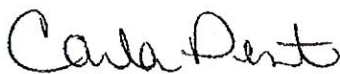
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Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Mineral County Board of Education
Shawn Dilly, Superintendent
36 Baker Place
Keyser, WV 26726

Dear Mr. Dilly:

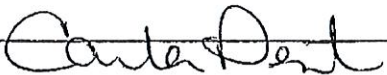
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Sincerely,



Carla Dent, Executive Assistant

Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Hardy County Board of Education
Sheena VanMeter, Superintendent
510 Ashby Street
Moorefield, WV 26836

Dear Mrs. VanMeter:

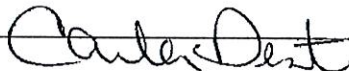
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Sincerely,



Carla Dent, Executive Assistant

Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Darin Judy
Judy's Drug Store
24 North Main Street
Petersburg, WV 26847

Dear Mr. Judy:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

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Thank you for your participation in this important project. We look forward to your comments and, as always, feel free to contact me with any questions.

Sincerely,



Carla Dent, Executive Assistant

Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Kari Evans, Administrator
Grant County Rehabilitation Center
27 Early Avenue
Petersburg, WV 26847

Dear Mrs. Evans:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

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Sincerely,



Carla Dent, Executive Assistant

Region 8 Planning and Development Council

Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Telephone (304) 257-2448
Fax (304) 257-4958
E-Mail: www.regioneight.org

January 5, 2018

Pendleton County Board of Education
Charles Hedrick, Superintendent
108 Walnut Street
Franklin, WV 26807

Dear Mr. Hedrick:

The Region 8 Planning and Development Council (Grant, Hampshire, Hardy, Mineral, and Pendleton Counties) is currently in the process of updating its hazard mitigation plan. As our project nears completion, we would like to encourage you to provide any comments you feel are appropriate.

In particular, we are interested in your thoughts as to any hazards that may be associated with your operation and impact our county. Conversely, we would like to know of any hazards that originate in Grant, Hampshire, Hardy, Mineral, or Pendleton Counties that you feel could impact your operation. Also, please let us know what type of hazard you are most concerned about (dam failure, drought, earthquake, epidemic, flood, hazardous materials incident, land subsidence, severe summer or winter weather, terrorism, or wildfire).

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Thank you for your participation in this important project. We look forward to your comments and, as always, feel free to contact me with any questions.

Sincerely,



Carla Dent, Executive Assistant

Amy Heimberger

From: Carla Dent <cdent@regioneight.org>
Sent: Wednesday, January 17, 2018 4:45 PM
To: 'Amy Heimberger'
Cc: 'Terry Lively'
Subject: FW: Region 8 Hazard Mitigation Plan comments

Flag Status: Flagged

Hi Amy,
I just received this e-mail with HMP comments.
Have a good evening,
Carla

From: Earnest, Brenna [<mailto:brenna.earnest@wvumedicine.org>]
Sent: Wednesday, January 17, 2018 12:32 PM
To: cdent@regioneight.org
Subject: Region 8 Hazard Mitigation Plan comments

Carla,
I am the safety officer here at PVH so I was given your letter.
I am not aware of any hazards that would be associated with our operations.
Hazards that concern the hospital of course would be flood because of our location and severe winter weather. Terrorism such as active shooter is a concern also.
Thank you

Brenna E. Earnest MSN, RN, CDE
Diabetes Education/Diabetes Prevention
Safety Officer
Potomac Valley Hospital
(304) 597-3774 phone
(304) 597-3683 fax

brenna.earnest@wvumedicine.org



POTOMAC VALLEY HOSPITAL

Confidentiality Notice: This e-mail message, including any attachments, is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.



Virus-free. www.avast.com

Amy Heimberger

From: Carla Dent <cdent@regioneight.org>
Sent: Monday, January 29, 2018 10:21 AM
To: 'Amy Heimberger'
Subject: FW: HVA

Flag Status: Flagged

Hi Amy,

I just received this e-mail. She will be sending me this information and I will forward it to you. I realize you have concluded the participation process, but I thought we may want to keep this information.

Thanks.

Carla

From: Kari Evans [<mailto:kevans@gcnh.us>]
Sent: Monday, January 29, 2018 9:55 AM
To: cdent@regioneight.org
Subject: HVA

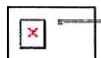
Hi Carla,

I received your letter regarding our assessment of potential hazards for our organization. My staff completed a Hazard Vulnerability Assessment that I am happy to share with you. Let me know if you would be interested in that information and I will send it to you via email.

Thanks,

Kari

Kari Evans RN, MSN, LNHA
Grant Rehabilitation and Care Center
127 Early Avenue
Petersburg, WV 26847
304-257-4233
kevans@gcnh.us



Virus-free. www.avast.com



*Planning & Development
Council*

Region 4 Planning and Development Council

885 Broad Street, Suite 100
Summersville, WV 26651

Phone: 304-872-4970
Fax: 304-872-1012
www.reg4wv.org

Region 8 Planning and Development Council
Carla Dent, Executive Assistant
Grant County Industrial Park
131 Providence Lane
Petersburg, WV 26847

Re: Region 8 Hazard Mitigation Plan Comments

Dear Ms. Dent,

We recently received a letter from Region 8 Planning and Development Council requesting our thoughts regarding any hazards that may be associated with our operation and impact your county. Pocahontas County located within the Region 4 Planning and Development Council boundary sits abut to Pendleton County located within Region 8 Planning and Development Council. A large factor we take into consideration within Pocahontas County is the Monongahela National Forest, this National Forest also extends into parts of Pendleton County.

In the Region 4 Planning and Development Council Hazard Mitigation Plan we looked at a variety of potential hazards that could affect our Region, such as Dam Failure, Drought, Earthquake, Extreme Temperatures, Flooding, Hailstorm, Hazmat Incident, Mass Movement, Terrorism, Thunderstorm, Tornadoes, Wildfire, Wind and Winter Storm. Of the previously stated hazardous situations we feel it to be relevant between Pocahontas and Pendleton counties to consider additional planning in the event of Flooding, Mass Movement, Tornado and Wildfire. We are most concerned with flooding within the Monongahela National Forest, the June 2016 flood had a significant impact in the portion of the forest located in Webster County. Slightly prior to the June 2016 flood evidence of a tornado touching down within the forest has also been reported. While many of the hazardous situations explained are not on a reoccurring basis we felt it relevant to continue to plan for such events.

Thank you for reaching out to Region 4 Planning and Development Council regarding Hazard Mitigation, we feel this is a very important matter. Should there be any additional questions, comments or concerns please feel free to contact me at 304-872-4970.

Sincerely,

John Tuggle, P.E., P.S.
Executive Director

JWT/as

REGION 8 EMAIL/FAX/PHONE CALL LOG

Stakeholder	Title	Name	Contact Method	To/From	Date	Subject
Mineral County		Ben Smith	Email	To	8/16/2017	Capabilities survey link (undeliverable)
Hampshire County	HSEM Director	Brian Malcolm	Email	To	8/16/2017	Capabilities survey link
Pendleton County	OEM Director	Bruce Minor	Email	To	8/16/2017	Capabilities survey link
Region 8 PDC	Office Assistant	Carla Dent	Email	To	8/16/2017	Capabilities survey link
Region 8 PDC	Office Assistant	Carla Dent	Email	To	8/16/2017	Request new contact info for Ben Smith and all other Jurisdictions
Grant County	Floodplain Manager	Cullen Sherman	Email	To	8/16/2017	Capabilities survey link
Mineral County	Floodplain Manager	Drew Brubaker	Email	To	8/16/2017	Capabilities survey link
Town of Franklin	Floodplain Manager	Frank Wehrle	Email	To	8/16/2017	Capabilities survey link
Pendleton County		Gene McConnell	Email	To	8/16/2017	Capabilities survey link
City of Romney	Floodplain Manager	Jessica Szabo	Email	To	8/16/2017	Capabilities survey link
Mineral County	HSEM Director	Luke McKenzie	Email	To	8/16/2017	Capabilities survey link
Hardy County	Floodplain Manager	Melissa Scott	Email	To	8/16/2017	Capabilities survey link
Hardy County	OEM Director	Paul Lewis	Email	To	8/16/2017	Capabilities survey link
Grant County	OEM Director	Peggy Bobo-Alt	Email	To	8/16/2017	Capabilities survey link
Mineral County	Commissioner	Roger Leatherman	Email	To	8/16/2017	Capabilities survey link
Region 8 PDC	Executive Director	Terry Lively	Email	To	8/16/2017	Capabilities survey link
Region 8 PDC	Office Assistant	Carla Dent	Email	From	8/17/2017	Sent other jurisdiction's contact info. Will check with Terry for next date for meeting
Town of Franklin	Floodplain Manager	Frank Wehrle	Email	From	8/28/2017	Sent back assets list
Mineral County	HSEM Director	Luke McKenzie	Phone	From	8/28/2017	Asked about assets in Excel format
All			Email	To	8/28/2017	Sent out capabilities survey reminder and asset list
All			Email	To	9/14/2017	Important dates of upcoming meetings
All			Email	To	9/18/2017	List of tasks and reminder of conference call and meetings
Hardy County	OEM Director	Paul Lewis	Fax	From	9/22/2017	Sent Moorefield asset list
City of Piedmont	Clerk	Debbie Weasenforth	Email	To	9/25/2017	Asked for the mayor's (Ben Smith) correct email address
Hardy County	OEM Director	Paul Lewis	Email	To	9/25/2017	Asked for updated county assets, sent list
Region 8 PDC	Office Assistant	Carla Dent	Email	To	10/13/2017	Need to reschedule next meeting
All		All	Email	To	11/21/2017	Please post public survey again, public meetings?
Hardy County	OEM Director	Paul Lewis	Email	To	11/21/2017	Requested contact info for Wardsville
Region 8 PDC	Office Assistant	Carla Dent	Email	To	1/4/2018	Sent info on requesting input from neighboring jurisdictions.
City of Romney	Mayor	Beverly Keadle	Email	To	1/5/2018	Requested assets, project status update and concerns with hazards.
Hampshire County	HSEM Director	Brian Malcolm	Email	To	1/5/2018	Requested project status update and NFIP survey completed
Hampshire County	HSEM Director	Brian Malcolm	Email	From	1/5/2018	Sent NFIP questionnaire answered
Hampshire County	HSEM Director	Brian Malcolm	Email	From	1/5/2018	Sent information about contacts for Capon Bridge and Romney
Region 8 PDC	Office Assistant	Carla Dent	Email	From	1/5/2018	Will send out emails to partners to request input to plan
Region 8 PDC	Office Assistant	Carla Dent	Email	To	1/5/2018	Requested contact for jurisdictions and for public survey to be posted on their website.
Region 8 PDC	Office Assistant	Carla Dent	Email	From	1/5/2018	Sent contact list of organizations contacted for HMP review
Hampshire County	Administrative Assistant	Christie Weddle	Email	From	1/5/2018	Sent contact information for Keyser, Ridgeley, Carpendale, Piedmont, and Elk Garden
City of Romney	Floodplain Manager	Jessica Szabo	Email	To	1/5/2018	Requested project status update and NFIP survey completed

REGION 8 EMAIL/FAX/PHONE CALL LOG						
Stakeholder	Title	Name	Contact Method	To/From	Date	Subject
Mineral County	HSEM Director	Luke McKenzie	Email	To	1/5/2018	Requested the capabilities and NFIP survey be sent to Mineral jurisdictions.
WV DOH District 8	Highway Engineer	Jeremiah Knavenshue	Email	From	1/8/2018	Sent information regarding landslides in Pendleton County
Region 8 PDC	Office Assistant	Carla Dent	Email	To	1/9/2018	Requested list of PDC members' affiliation
Region 8 PDC	Office Assistant	Carla Dent	Email	From	1/9/2018	Sent list of membership and meeting minutes
City of Romney	Mayor	Beverly Keadle	Phone	To	1/10/2018	Provided new email address
City of Romney	Mayor	Beverly Keadle	Email	To	1/10/2018	Requested assets, project status update and concerns with hazards.
Hampshire County	HSEM Director	Brian Malcolm	Phone	To	1/10/2018	Left message about project status and NFIP survey
Hampshire County	HSEM Director	Brian Malcolm	Email	To	1/10/2018	Don't need NFIP survey, just project status update
Pendleton County	OEM Director	Bruce Minor	Phone	To	1/10/2018	No answer
Grant County	Floodplain Manager	Cullen Sherman	Phone	To	1/10/2018	Left message about project status updates
City of Petersburg		Gary Michael	Email	To	1/10/2018	Requested capabilities survey and asked questions about hazards and projects
Pendleton County	Regional Epidemiologist	Kimberly Klein	Email	From	1/10/2018	Sent information regarding reportable diseases in Region 8
Hardy County	OEM Director	Paul Lewis	Phone	To	1/10/2018	Left message requesting assets
Town of Bayard	Mayor	Steven Durst	Email	To	1/10/2018	Requested capabilities survey and asked questions about hazards and projects
Hampshire County	HSEM Director	Brian Malcolm	Email	From	1/11/2018	Sent status of 2012 projects
Hampshire County	HSEM Director	Brian Malcolm	Phone	From	1/11/2018	Called in regards to my message yesterday.
Mineral County	HSEM Director	Luke McKenzie	Email	From	1/11/2018	Sent update of development areas
Hardy County	Floodplain Manager	Melissa Scott	Email	From	1/11/2018	Sent dam shapefiles for GIS mapping
Hampshire County	HSEM Director	Brian Malcolm	Phone	To	1/17/2018	Not in office
Region 8 PDC	Office Assistant	Carla Dent	Email	From	1/17/2018	Forwarded email response from WVU Medicine at the Potomac Valley Hospital
Grant County	Floodplain Manager	Cullen Sherman	Phone	To	1/17/2018	Called to remind of NFIP surveys and project status updates.
Grant County	Floodplain Manager	Cullen Sherman	Email	From	1/17/2018	Sent updated project list for county and jurisdictions
Mineral County	HSEM Director	Luke McKenzie	Email	From	1/17/2018	Sent information on Tier II facilities in the county
Hardy County	OEM Director	Paul Lewis	Phone	To	1/17/2018	Left message requesting assets
Town of Capon Bridge		Penny Feather	Phone	To	1/17/2018	Talked about jurisdictional participation and hazards.
Town of Capon Bridge		Penny Feather	Email	To	1/17/2018	Sent capabilities survey and questions about hazards.
City of Petersburg	City Manager	Sheila Vanmeter	Phone	To	1/17/2018	Left message to call me about participation
City of Petersburg	City Manager	Sheila Vanmeter	Phone	To	1/17/2018	Talked about the capabilities survey and asked hazards questions.
City of Petersburg	City Manager	Sheila Vanmeter	Email	To	1/17/2018	Emailled capabilities and hazards questions
Town of Bayard	Mayor	Steven Durst	Phone	To	1/17/2018	Talked about flooding in the town and history of the town
Town of Bayard	Mayor	Steven Durst	Email	To	1/17/2018	Sent capabilities survey
All		All	Email	To	1/18/2018	Sent updated project list to everyone for review and approval.
City of Piedmont	Mayor	Ben Smith	Phone	To	1/18/2018	Left message to call me about participation and got correct email.
City of Piedmont	Mayor	Ben Smith	Email	To	1/18/2018	Asked for email to send capabilities survey, question about hazards and review of projects
City of Keyser	Recorder	Brandi Paugh	Phone	To	1/18/2018	Asked for email to send capabilities survey, question about hazards and review of projects

TABLE 5.3.A INACTIVE PROJECTS			
<i>Jurisdiction</i>	<i>2012 Project Number</i>	<i>Strategy</i>	<i>Narrative</i>
Mineral County	J5.3.1	Consider the development of a flood-specific annex to the Mineral County Emergency Operations Plan.	Delete.
Mineral County	J6.1.1	Initiate response of Hazardous Incidents Response Team.	Complete
Mineral County	J6.1.2	Initiate response of Region III response team.	Complete
Mineral County	J6.1.3	Review the Mineral County Emergency Operations Plan regarding hazmat responses.	Complete
Mineral County	J6.2.2	Ensure regular updating of the commodity flow study.	Deferred.
Mineral County	J6.4.1	Educate public concerning response to hazardous incidents.	Deferred.
Mineral County	J8.4.1	Compile, update, and maintain a terrorism vulnerability assessment for Mineral County.	Deferred.
Mineral County	J8.4.2	Create a terrorism annex to the county Emergency Operations Plan.	Complete
Mineral County	J11.1.2	Access money for snow removal when there is an emergency declaration and the potential for reimbursement.	Delete.
Mineral County	J11.1.3	Identify snow removal resources locally and regionally.	Complete
Mineral County	J11.1.8	Consider creating a county-specific snow emergency plan.	Delete.
Moorefield, Town of	K1.2.3	The Town of Moorefield should flood proof its wastewater treatment plant and lagoon.	Delete. Moved out of town.
Moorefield, Town of	K1.2.4	Flood proofing the Town of Moorefield's Water Treatment Plant.	Delete. A new water treatment plant is being built.
Pendleton County	L3.2.1	Use drought monitor to determine where drought areas are located.	Complete with the update of this plan.

APPENDIX 3

INACTIVE PROJECTS

The following table lists the projects from 2012 that have been completed, deleted, or deferred in this update.

TABLE 5.3.A INACTIVE PROJECTS			
<i>Jurisdiction</i>	<i>2012 Project Number</i>	<i>Strategy</i>	<i>Narrative</i>
Franklin, Town of	E1.1.1	Flood wall needed for Town of Franklin.	Delete. No action taken.
Hardy County	H2.1.1	Review Hardy County Health Department plan.	Complete
Hardy County	H2.1.3	Compile an 'animals in disaster' plan for Hardy County.	Complete
Hardy County	H3.1.3	Identify water resources.	Complete
Hardy County	H5.1.4	The county needs to purchase equipment (hovercraft) to ensure that residents in the Old Fields area are accessible should a flood close US 220 out of Moorefield.	No longer necessary. Delete.
Hardy County	H6.1.3	Review the <i>Hardy County EOP</i> plans and fire department plans for compatibility.	Complete. This is done annually
Hardy County	H6.3.2	Identify location of natural gas lines.	Complete. This is done by the gas industry.
Hardy County	H8.1.3	Provide training for emergency personnel to identify human diseases.	Delete. Health Department daily activities.
Hardy County	H11.2.2	Implement snow route procedures after 2" of accumulated snowfall to protect infrastructure such as roads, alleys, and highways that are needed for emergency response capability.	Complete. DOH responsibility.
Keyser, City of	I1.1.1	Maintain or replace retaining walls in Keyser along Water Street.	Complete
Mineral County	J1.1.4	Review plan for Jennings Randolph dam in the Elk Garden area.	Complete
Mineral County	J1.1.6	Coordinate with the State of Maryland concerning the Savage River Dam. Review plan.	Complete
Mineral County	J1.1.7	Coordinate with the Soil Conservation Service regarding dam inspections; also, maintain copies of inundation mapping and other dam risk assessments at the Mineral County Office of Emergency Management office (in an attempt to warn the public).	Complete
Mineral County	J4.1.1	Educate the public as to the actual earthquake risk.	Deferred.

APPENDIX 4
HAMPSHIRE COUNTY FLOODPLAIN MANAGEMENT PLAN

Floodplain Management Plan

Hampshire County, West Virginia

1. Introduction and purpose

Pursuant to Hampshire County participating in the Community Rating System through the Federal Emergency Management Administration (FEMA), a voluntary program, a Floodplain Management Plan is required.

The purpose of the Floodplain Management Plan is to better prepare, plan, educate, mitigate, and prevent the loss of property and life due to flooding and other disasters in Hampshire County, West Virginia.

A. Setting:

Hampshire County is located in the Potomac Highlands region of the eastern panhandle of West Virginia, between Alleghany County, Maryland and Fredrick County, Virginia. Hampshire County covers 642 square miles. Hampshire County is also bordered by three West Virginia counties, Morgan to the north, Hardy to the south, and Mineral to the West. Hampshire County does share a boundary corner with Grant County, West Virginia.

The topography of Hampshire County is in the Valley and Ridge Province of West Virginia. The county is divided into three regions; southwestern which is drained by the Cacapon River and its tributaries, northwestern which is drained by the South Branch of the Potomac River, and the midsection which is drained by the Little Cacapon River. Three strata types appear in Hampshire County are sandstone, shale, and limestone.

The United States Census 2015 estimates paint an uncertain future for Hampshire County. The 2015 estimated population of 23,353 is down 611 from the actual 2010 census population of 23,964. This is a change of negative 2.5 percent. Housing however may indicate growth as housing units have increased from 13,688 units in 2010 to 13,806 units in the 2015 estimate, an increase of 118 units. Residential permits being issued is also on the rise, there were 45 permits issued in 2016 for stick built homes and 126 for manufactured or modular homes.

There are major traffic corridors leading throughout the county. US Route 50 is the major thoroughfare, leading from east to west transecting the middle of the county. Three major routes transect the county from north to south; Route 220 in the west, Route 29 in the center of the county, and Route 259 runs from south to US Route 50 in the east. All of these major arteries are at risk of damage or closure due to natural disasters. There are also two rail lines located within the county. The CSX rail line runs along the northern most borders along the Potomac River until it crosses into Morgan County, West Virginia. The South Branch Valley Railroad leads from its railhead with the CSX Railroad in Green Spring up the Greenspring Run Valley to Blues's Beach where it then follows the South Branch River Valley to Hardy County, West Virginia to the south. Air traffic would not be able to assist greatly in a disaster as there are only a few small heliports established for medical evacuation utilization and smaller private airports, none of these could support large scale transports.

2. Problem Identification

2.1 Flood History

Hampshire County sits in the Potomac Highlands and has five main drainage areas; Potomac River, South Branch of the Potomac, North River, Little Cacapon and the Cacapon River. There are also many larger tributaries leading to the main drainage areas, such as Greenspring Run, Dillon's Run, Mill Creek or South Fork or North Fork of the Little Cacapon. This ridge and valley type of terrain leads to riverine flooding. Typically flooding occurs in short durations lasting less than twenty-four (24) hours. Flooding occurs many different ways in Hampshire County; it can experience widespread, county wide flooding or localized flooding. Localized flooding can occur from a storm happening in the county itself or upstream in one of the major drains such as the Potomac, South Branch of the Potomac, or North Rivers.

The South Branch of the Potomac River in Hampshire County typically produces the floods with greater occurrences. Data from a river gage located on the South Branch near Springfield is readily available from February of 1932. At this site major flood stage is 25 feet, moderate flood at 19 feet, flood stage at 15 feet, and action stage at 12 feet. Since February, 4 1932 this location has recorded eighty (80) events over flood stage, twenty-eight (28) over moderate flood, and six (6) over major flood. The six major floods occurred on 11/05/1985, 09/07/1996, 03/18/1936, 06/18/1949, 01/20/1996, and 08/19/1955. The most sever of these was the 11/05/1985 flood which recorded a crest of 44.22 feet, 29.22 feet above flood stage. The majority of these flood occur during the winter and spring months.

2.2 Wind Storm History:

Hampshire County does have a history with wind damage. There has never been a massive disaster for Hampshire County involving wind; however the county has experienced a derecho, straight line winds, and tornados. These have been localized events that to date have caused little damage. These must be considered as the frequency and tenacity of storms are escalating. Hampshire County does also possess many high ridges that run in a north to south orientation that are susceptible to these types of events.

2.3 Landslide/Mudslide History:

Hampshire County has experienced minor slides in the past. These typically occur during rain events and often occur along the cut slopes of the road system. When these occur it is the responsibility of the West Virginia Department of Highways to repair. Given Hampshire County's terrain we are classified as high susceptibility/low incidence by the Unites State Geological Survey (USGS) Land Subsidence Map. This does raise concerns in that we are at a high risk and with increasing development this could lead to more occurrences of this type of disaster.

2.4 Dam Failure:

Dam failure has never impacted Hampshire County on a scale that can be documented. The county is at risk due to the positioning of impoundments upstream of the county. The largest of these structures is the Unites State Army Corps of Engineers dam of Jennings Randolph. Two

other large dams containing the Savage River and the Upper Potomac would impact Hampshire County. There are also numerous flood control impoundments constructed by the Natural Resource Conservation Service (NRCS). All of the previously noted impoundments are controlled and or regulated by governmental entities and have regular maintenance and inspections. Possibly of greater concern would be privately owned impoundments that are not properly maintained and inspected.

Historic Crests for The South Branch of the Potomac at Springfield WV

(1) 44.22 ft on 11/05/1985	(43) 17.38 ft on 03/24/1991
(2) 34.98 ft on 09/07/1996	(44) 17.35 ft on 04/15/1948
(3) 34.20 ft on 03/18/1936	(45) 17.32 ft on 10/19/1975
(4) 29.85 ft on 06/18/1949	(46) 17.31 ft on 03/02/1954
(5) 28.41 ft on 01/20/1996	(47) 17.27 ft on 03/22/1962
(6) 25.55 ft on 08/19/1955	(48) 17.21 ft on 01/27/1978
(7) 24.70 ft on 09/20/2003 (P)	(49) 17.15 ft on 09/19/1945
(8) 23.42 ft on 10/10/1976	(50) 17.02 ft on 12/05/1950
(9) 23.00 ft on 04/27/1937	(51) 17.00 ft on 08/24/1933
(10) 22.15 ft on 03/20/1963	(52) 16.93 ft on 03/05/2008
(11) 22.00 ft on 05/23/1942	(53) 16.79 ft on 05/09/2013
(12) 21.50 ft on 10/16/1954	(54) 16.79 ft on 05/09/2013
(13) 21.40 ft on 02/04/1939	(55) 16.79 ft on 05/18/1996
(14) 21.15 ft on 10/29/1937	(56) 16.75 ft on 01/01/1976
(15) 21.11 ft on 10/06/1972	(57) 16.71 ft on 04/25/1983
(16) 21.09 ft on 10/16/1942	(58) 16.70 ft on 05/09/1960
(17) 21.00 ft on 03/08/1967	(59) 16.63 ft on 05/17/1942
(18) 20.40 ft on 02/04/1932	(60) 16.58 ft on 04/06/1977
(19) 20.34 ft on 03/20/1975	(61) 16.55 ft on 03/21/1982
(20) 20.16 ft on 12/27/1973	(62) 16.33 ft on 10/23/1929
(21) 20.11 ft on 05/31/1940	(63) 16.33 ft on 03/31/1960
(22) 19.50 ft on 04/16/2007	(64) 16.20 ft on 06/01/1985
(23) 19.19 ft on 02/10/1994	(65) 16.13 ft on 04/13/2011
(24) 19.18 ft on 04/17/1987	(66) 16.10 ft on 02/26/1936
(25) 19.18 ft on 03/15/1986	(67) 16.07 ft on 05/01/1980
(26) 19.17 ft on 02/26/1979	(68) 15.98 ft on 01/09/1998
(27) 19.13 ft on 04/17/1929	(69) 15.95 ft on 05/11/2003 (P)
(28) 19.01 ft on 05/18/2011	(70) 15.69 ft on 03/27/1978
(29) 18.63 ft on 02/15/1984	(71) 15.37 ft on 04/29/2011
(30) 18.57 ft on 05/17/2014	(72) 15.35 ft on 01/31/1939
(31) 18.54 ft on 01/26/2010	(73) 15.35 ft on 04/17/2011
(32) 18.40 ft on 04/21/1901	(74) 15.29 ft on 02/27/1972
(33) 18.26 ft on 04/17/1993	(75) 15.28 ft on 12/30/1954
(34) 18.15 ft on 06/03/1974	(76) 15.27 ft on 11/19/1929
(35) 18.10 ft on 03/15/1978	(77) 15.24 ft on 03/11/2011
(36) 18.09 ft on 03/21/1998	(78) 15.24 ft on 03/16/1967
(37) 18.00 ft on 11/20/2003	(79) 15.07 ft on 02/24/2003 (P)
(38) 17.90 ft on 05/08/1994	(80) 15.00 ft on 01/16/1995
(39) 17.88 ft on 05/12/1932	(81) 14.99 ft on 03/29/2005
(40) 17.87 ft on 06/23/1972	(82) 13.90 ft on 05/05/2009
(41) 17.65 ft on 12/08/1950	
(42) 17.49 ft on 04/23/2002	

(P): Preliminary values subject to further review.

Recent Crests for the South Branch of the Potomac near Springfield WV

(1) 18.57 ft on 05/17/2014	(44) 17.32 ft on 10/19/1975
(2) 16.79 ft on 05/09/2013	(45) 20.34 ft on 03/20/1975
(3) 16.79 ft on 05/09/2013	(46) 18.15 ft on 06/03/1974
(4) 19.01 ft on 05/18/2011	(47) 20.16 ft on 12/27/1973
(5) 15.37 ft on 04/29/2011	(48) 21.11 ft on 10/06/1972
(6) 15.35 ft on 04/17/2011	(49) 17.87 ft on 06/23/1972
(7) 16.13 ft on 04/13/2011	(50) 15.29 ft on 02/27/1972
(8) 15.24 ft on 03/11/2011	(51) 15.24 ft on 03/16/1967
(9) 18.54 ft on 01/26/2010	(52) 21.00 ft on 03/08/1967
(10) 13.90 ft on 05/05/2009	(53) 22.15 ft on 03/20/1963
(11) 16.93 ft on 03/05/2008	(54) 17.27 ft on 03/22/1962
(12) 19.50 ft on 04/16/2007	(55) 16.70 ft on 05/09/1960
(13) 14.99 ft on 03/29/2005	(56) 16.33 ft on 03/31/1960
(14) 18.00 ft on 11/20/2003	(57) 25.55 ft on 08/19/1955
(15) 24.70 ft on 09/20/2003 (P)	(58) 15.28 ft on 12/30/1954
(16) 15.95 ft on 05/11/2003 (P)	(59) 21.50 ft on 10/16/1954
(17) 15.07 ft on 02/24/2003 (P)	(60) 17.31 ft on 03/02/1954
(18) 17.49 ft on 04/23/2002	(61) 17.65 ft on 12/08/1950
(19) 18.09 ft on 03/21/1998	(62) 17.02 ft on 12/05/1950
(20) 15.98 ft on 01/09/1998	(63) 29.85 ft on 06/18/1949
(21) 34.98 ft on 09/07/1996	(64) 17.35 ft on 04/15/1948
(22) 16.79 ft on 05/18/1996	(65) 17.15 ft on 09/19/1945
(23) 28.41 ft on 01/20/1996	(66) 21.09 ft on 10/16/1942
(24) 15.00 ft on 01/16/1995	(67) 22.00 ft on 05/23/1942
(25) 17.90 ft on 05/08/1994	(68) 16.63 ft on 05/17/1942
(26) 19.19 ft on 02/10/1994	(69) 20.11 ft on 05/31/1940
(27) 18.26 ft on 04/17/1993	(70) 21.40 ft on 02/04/1939
(28) 17.38 ft on 03/24/1991	(71) 15.35 ft on 01/31/1939
(29) 19.18 ft on 04/17/1987	(72) 21.15 ft on 10/29/1937
(30) 19.18 ft on 03/15/1986	(73) 23.00 ft on 04/27/1937
(31) 44.22 ft on 11/05/1985	(74) 34.20 ft on 03/18/1936
(32) 16.20 ft on 06/01/1985	(75) 16.10 ft on 02/26/1936
(33) 18.63 ft on 02/15/1984	(76) 17.00 ft on 08/24/1933
(34) 16.71 ft on 04/25/1983	(77) 17.88 ft on 05/12/1932
(35) 16.55 ft on 03/21/1982	(78) 20.40 ft on 02/04/1932
(36) 16.07 ft on 05/01/1980	(79) 15.27 ft on 11/19/1929
(37) 19.17 ft on 02/26/1979	(80) 16.33 ft on 10/23/1929
(38) 15.69 ft on 03/27/1978	(81) 19.13 ft on 04/17/1929
(39) 18.10 ft on 03/15/1978	(82) 18.40 ft on 04/21/1901
(40) 17.21 ft on 01/27/1978	
(41) 16.58 ft on 04/06/1977	
(42) 23.42 ft on 10/10/1976	
(43) 16.75 ft on 01/01/1976	

(P): Preliminary values subject to further review.

The Potomac River makes up a portion of Hampshire County's northern border with Allegheny County Maryland. The North Fork of the Potomac River is flood controlled by Jennings Randolph Dam which is an U.S. Army Corps of Engineers controlled impoundment. This alleviates a great deal of flooding that would normally be incurred should the river not have flood control measures installed. The one problem that is created by the North Fork of the Potomac River is backwater flooding the community of GreenSpring, West Virginia. Greenspring Run floods this community due to the fact that water backs up from the North Fork of the Potomac River. Hampshire County must consider the catastrophic impacts that would devastate the valley should a dam failure occur at the Jennings Randolph or Savage River Dams. The North Fork of the Potomac is monitored by a gauge in Cumberland, Maryland. The Potomac River is monitored by a river gauge located in Paw Paw, West Virginia; this community is located in Morgan County. Typically the Paw Paw gauge is utilized for planning for flooding events in Hampshire County. This gauge has a major flood height of 32 feet, moderate at 28 feet, flood stage at 25 feet, and action stage at 22.5 feet. Since 1928 this gauge has recorded thirty-six (36) events at or just below flood stage, the highest being a height of 54 feet recorded on 03/18/1936.

**Historic Crests for the Potomac
At Paw Paw**

- (1) 54.00 ft on 03/18/1936
- (2) 53.58 ft on 11/05/1985
- (3) 45.00 ft on 06/01/1889
- (4) 45.00 ft on 11/24/1877
- (5) 43.50 ft on 03/29/1924
- (6) 43.45 ft on 09/07/1996
- (7) 40.86 ft on 01/20/1996
- (8) 38.36 ft on 10/16/1942
- (9) 35.35 ft on 08/19/1955
- (10) 33.91 ft on 06/19/1949
- (11) 32.24 ft on 10/16/1954
- (12) 31.48 ft on 03/20/1963
- (13) 31.40 ft on 05/01/1928
- (14) 30.62 ft on 04/17/1993
- (15) 30.52 ft on 10/10/1976
- (16) 30.24 ft on 03/08/1967
- (17) 29.13 ft on 02/26/1979
- (18) 28.83 ft on 06/23/1972
- (19) 28.67 ft on 05/19/2011

- (20) 28.27 ft on 05/09/1960
- (21) 28.20 ft on 02/04/1939
- (22) 27.91 ft on 09/20/2003
- (23) 27.86 ft on 03/20/1986
- (24) 27.66 ft on 03/20/1975
- (25) 27.54 ft on 02/15/1984
- (26) 26.98 ft on 05/23/1942
- (27) 26.52 ft on 12/30/1942
- (28) 26.43 ft on 03/15/1978
- (29) 26.41 ft on 12/28/1973
- (30) 25.93 ft on 04/17/1987
- (31) 25.87 ft on 06/14/1951
- (32) 25.70 ft on 04/30/1964
- (33) 25.36 ft on 03/31/1960
- (34) 25.08 ft on 04/25/1983
- (35) 25.06 ft on 03/02/1954
- (36) 24.81 ft on 03/11/2011

Recent Crests

- (1) 28.67 ft on 05/19/2011
- (2) 24.81 ft on 03/11/2011
- (3) 27.91 ft on 09/20/2003
- (4) 43.45 ft on 09/07/1996
- (5) 40.86 ft on 01/20/1996
- (6) 30.62 ft on 04/17/1993
- (7) 25.93 ft on 04/17/1987
- (8) 27.86 ft on 03/20/1986
- (9) 53.58 ft on 11/05/1985
- (10) 27.54 ft on 02/15/1984
- (11) 25.08 ft on 04/25/1983
- (12) 29.13 ft on 02/26/1979
- (13) 26.43 ft on 03/15/1978
- (14) 30.52 ft on 10/10/1976
- (15) 27.66 ft on 03/20/1975
- (16) 26.41 ft on 12/28/1973
- (17) 28.83 ft on 06/23/1972

- (18) 30.24 ft on 03/08/1967
- (19) 25.70 ft on 04/30/1964
- (20) 31.48 ft on 03/20/1963
- (21) 28.27 ft on 05/09/1960
- (22) 25.36 ft on 03/31/1960
- (23) 35.35 ft on 08/19/1955
- (24) 32.24 ft on 10/16/1954
- (25) 25.06 ft on 03/02/1954
- (26) 25.87 ft on 06/14/1951
- (27) 33.91 ft on 06/19/1949
- (28) 26.52 ft on 12/30/1942
- (29) 38.36 ft on 10/16/1942
- (30) 26.98 ft on 05/23/1942
- (31) 28.20 ft on 02/04/1939
- (32) 54.00 ft on 03/18/1936
- (33) 31.40 ft on 05/01/1928
- (34) 43.50 ft on 03/29/1924
- (35) 45.00 ft on 06/01/1889

The Cacapon River runs through the Town of Capon Bridge. The river transects the County from south to north. There is a river gauge in the community of Great Cacapon in Morgan County; at this site which is down river from Hampshire County the major flood stage is 20 feet, moderate is 16 feet, flood stage is 9 feet, and action stage is 7 feet. There is no crest data for this gauge.

There are numerous stream gauges on different streams that are utilized to predict and monitor flooding potential in Hampshire County. There is the problem of no gauges on smaller drainages of North River, the Little Cacapon, Mill Creek, and Green Spring Run, this hinders predicting flooding events and when to evacuate areas.

2.5 Repetitive Loss Area

A. South Branch River (Coleman Farm, River Rat, Blue Beach, Wapocoma)

The Repetitive Loss Area located near the South Branch of the Potomac River experience these losses due to development occurring too close to the river bank itself. Development is often located in areas considered floodway or areas that would be floodway should a detailed study occur. Most of these structures are pre-FIRM and seasonal in nature with no mortgage.

Resolution of the repetitive losses could be resolved through relocation or demolition; however, due to the majority of the structures nature, seasonal use, owners are reluctant to pursue grants or invest additional monies to retrofit. The close proximity to the river bank is also what makes the location desirable, making relocation problematic.

B. Cacapon River (Raging River, Hooks Mill, Bubbling Springs, Kilgore, The Crossings)

The Repetitive Loss Areas located along the Cacapon River experience losses due to riverine flooding occurring from development in high hazard areas. Development is often in floodway areas or what would be a floodway if a detailed study would be performed. Most of these structures are pre-FIRM in nature.

Resolution of the repetitive losses could be resolved through relocation, demolition, or retrofitting. Demolition is unattractive due to the proximity in nature to the river and the opportunities it provides for recreation. Demolition also hurts the tax base in the County by removing taxable structures. Relocation is also unattractive to the owners because of the recreational opportunities the river provides. Retrofitting may be considered if funding is available, however; most owners are unwilling to spend additional dollars on second homes that are recreational in use.

C. North River (Hanging Rocks)

The Repetitive Loss Area located near North River experiences losses due to riverine flooding. It is located in a high hazard area and in close proximity to the river bank, making it prime for damage due to flooding. The structure in question is also a pre-FIRM building.

The property owners would have to be willing to apply for grants for retrofitting or relocation, relocation being the most desirable mitigation measure.

D. Critton Owl Hollow Road

The Repetitive Loss Area is outside of a mapped Special Flood Hazard Area. The structure was built in 1975 and experiences sheet flow from adjacent open fields which sit on a slope.

Losses could be mitigated through stormwater drainage plans that direct flows around the structure but not onto adjoining properties, which do not experience the same flooding issues.

E. North Branch of the Potomac River (Greenspring, confluence with Green Spring Run)

This Repetitive Loss Area experiences flooding due to its close proximity to the North Branch of the Potomac. Multiple factors come into play for this pre-FIRM community. One is the CSX railroad that acts as a levee for the town of Greenspring. This increases flood water height in this area as opposed to allowing it to distribute over the natural flat low lying areas.

Resolution could be achieved in this area through demolition, relocation, or retrofitting. Many homes in this area are rental properties. Landlords are typically unwilling to retrofit or demolish. The additional investment or demolishment would make the business plan unfeasible. Relocation would be challenging due to the conditions present.

F. Green Spring Run (Greenspring)

The Repetitive Loss Areas located near Green Spring Run receive overflow and backwater from Green Spring Run. This is caused by its confluence with the North Branch of the Potomac and the CSX railroad. Flood water heights back up the run from the North Branch and prohibit the run from flowing through an underpass in the railroad. This increases flood water heights throughout the town.

Repetitive losses could be mitigated through retrofitting, relocation, or demolition. This area has had some mitigation in the past with minor success. Current ownership of the majority of the properties is rental in nature and makes the profitability of the owners' business plans challenging. Retrofitting would consume funds from the profit margin, demolishing would destroy the business altogether. The older pre-FIRM structures would be hard to relocate.

3.0 Development in the Special Flood Hazard Areas:

Development in the Special Flood Hazard Areas in Hampshire County is mainly recreational in nature. Most development in the past decade has been by the way of recreational vehicles and accessory structures for those recreational vehicles by way of pavilions, small sheds, or decks. This is actually a positive in the fact that these are small in nature and have no adverse impact on the Special Flood Hazard Area. They are required to obtain a permit, as both Federal Code of Regulations and the Hampshire County Floodplain Ordinance require a permit for all development. Development can be defined as in 44 Code of Federal Regulations as any man-made change to improved or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, grading, paving, excavation or drilling operations or