Figure 5.9	
	Mass Notlineation System
Description	Obtain a mass communications system such as or similar to CTY connect for county and communities and Connect Ed for schools to allow for emergency notifications to citizens and to parents of school children in emergency situations.
Hazards Addressed	Dam Failure, Drought, Earthquake, Excessive Heat, Flooding, Hail, Lightning, Sink Holes, Tornado, High Wind, Wildfire, Winter Storm
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill
Completed?	Yes

	Figure 5-10
Misingalo Piped exiministrator	
Description	Pittsburg County will continue to maintain a floodplain administrator to oversee and monitor construction in the floodplain.
Hazards Addressed	Dam Failure, Flood
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna
Completed?	Yes

	Rigure 5-11
	Public Información and Education d'Efforts
Description	Implement a public information and educational program concerning Natural Hazards Mitigation and how to prepare and respond to hazardous conditions.
Hazards Addressed	Dam Failure, Drought, Earthquake, Excessive Heat, Flooding, Hail, Lightning, Sink Holes, Tornado, High Wind, Wildfire, Winter Storm
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill
Completed?	Yes

	Figure 5-12
	Sylpho Tritergon System
Description	Install internal intercom system in schools that currently have no system available to allow on-time communications between the main office and classrooms prior to and during hazardous events.
Hazards Addressed	Dam Failure, Extreme Heat, Flood, Hail, Lightning, Tornado, Wildfire, Wind, Winter Storm
Jurisdictions Affected	Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna
Completed?	Partially Completed
Reason if Not Completed	Funding
Still Relevant?	Yes

Figure 5-13		
Constitution of the Consti		
Description	Reduce flooding and erosion on Ty Valley Road by raising the road	
	bed and adding tin horn pipe.	
Hazards Addressed	Flood	
Jurisdictions Affected	Pittsburg County	
Completed?	No	
Reason if Not	Lack of Funding	
Completed		
Still Relevant?	Yes	

Figure 5-14	
SAN SAN BERGER AND TO SERVE	All Hazards Booklet and the control of the
Description	Design and distribute a booklet specific to Pittsburg County and its jurisdictions detailing what hazards citizens are at risk of, actions they can take to prepare for the hazards, and actions to take following a disaster event.
Hazards Addressed	Dam Failure, Drought, Earthquake, Expansive Soil, Excessive Heat, Flooding, Hail, Lightning, Sink Holes, Tornado, High Wind, Wildfire, Winter Storm
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill
Completed?	Partially Completed
Reason if Not Completed	Funding
Still Relevant?	No

Rigure 5-15	
	Danaplan, Ordinance Compliance
Description	Pittsburg County will continue to regulate and force its floodplain regulations and will update said regulations as needed to comply with NFIP requirement.
Hazards Addressed	Dam Failure, Flood
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill
Completed?	Complete

Pigure 5-16	
Many Hard School	Drainage Dijek Improvements
Description	Make improvements as needed to drainage ditches along each side of county roads and community streets. This action would mitigate damage from flooding/flash flooding. Removal of limbs that hang over electric power lines and telephone lines would reduce the loss of those services. Additionally, fire hazards would be reduced.
Hazards Addressed	Dam Failure, Flooding, Lightning, Tornado, High Wind, Wildfire, Winter Storm
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna
Completed?	Partially Complete
Reason if Not Completed	Funding
Still Relevant?	Yes

Figure 5-17		
THE PERSON OF TH		
Description	As water retention pools are constructed to mitigate flooding	
	problems, dry hydrants should be installed.	
Hazards Addressed	Dam Failure, Wildfire, Flooding	
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville,	
	Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, and Savanna	
Completed?	Partially Completed	
Reason if Not	Funding	
Completed	; e)	
Still Relevant?	Yes	

Figure 5-18	
	Building Psymits
Description	Implement a building permit process for new construction as well as renovations that will include following a standard such as the BOCA Building Codes and that will discourage construction in flood prone areas.
Hazards Addressed	
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, and Savanna
Completed?	Partially Complete
Reason if Not	Funding
Completed	· · · · · · · · · · · · · · · · · · ·
Still Relevant?	Yes

	Pigure 5-19 NOAA Weather Radio Proposine
Description	Purchase, program, and distribute NOAA weather radios to all critical facilities and the public.
Hazards Addressed	Dam Failure, Drought, Earthquake, Extreme Heat, Flood, Hail, Lightning, Sink Holes, Tornado, Wildfire, Wind, Winter Storm
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill
Completed?	Yes

Figure 5-20		
	Portable Information Sign	
Description	Obtain portable lighted information signs that can be posted along highways during and after natural hazard events to warn motorists of hazardous conditions.	
Hazards Addressed	Dam Failure, Drought, Earthquake, Extreme Heat, Flood, Sink Holes, Tornado, Wildfire, Wind, Winter Storms	
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna	
Completed?	Yes	

	Figure 5-21		
	Water Storage Towers		
Description	Install water towers to provide short term water supply during power outages and as a source for fighting wildfires.		
Hazards Addressed	Dam Failure, Earthquake, Excessive Heat, Flooding, Hail, Lightning, Tornado, High Wind, Wildfire, Winter Storm		
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill		
Completed?	No		
Reason if Not Completed	Funding		
Still Relevant?	Yes		

Figure 5-22	
	Tenringhill Liter
Description	Reduce or eliminate flooding on Tannehill Loop Road by raising the
*	road bed and installing tin horns.
Hazards Addressed	Flooding
Jurisdictions Affected	Pittsburg County
Completed?	No
Reason if Not	Priorities Changed
Completed	
Still Relevant?	No

Figure 5-23)			
	Hell Resistant Roofing		
Description	As roofs are replaced and on new construction the use of hail resistant roofing materials will be encouraged. Education and printed materials will be provided to emphasize the benefits of hail resistant roofing materials.		
Hazards Addressed	Dam Failure, Drought, Earthquake, Excessive Heat, Flooding, Hail, Lightning, Sink Holes, Tornado, High Wind, Wildfire, Winter Storm		
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill		
Completed?	No		
Reason if Not Completed	Funding		
Still Relevant?	Yes		

	Figure 5-24
Harden/Retrofft Existing Structures	
Description	Harden existing Buildings in smaller communities where possible to provide safe shelter area.
Hazards Addressed	Tornado, High Wind
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna
Completed?	No
Reason if Not	Funding
Completed	
Still Relevant?	Yes

Figure 5-25	
	Lone Calc Road
Description	Reduce or eliminate flooding on Lone Oak Road by raising the road bed and installing tin horns.
Hazards Addressed	Flooding
Jurisdictions Affected	Pittsburg County
Completed?	No
Reason if Not	Funding
Completed	
Still Relevant?	Yes

Figure 5-26	
none disemble become	NETP Public Information
Description	Produce and distribute public awareness information regarding flooding and the NFIP and flood insurance.
Hazards Addressed	Dam Failure, Flooding
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill
Completed?	Yes

Figure 5-27	
	Circli (Tiree Higha)
Description	Reduce flooding and erosion on Crab Tree Road by raising the road bed and adding tin horn pipe.
Hazards Addressed	Flood
Jurisdictions Affected	Pittsburg County
Completed?	No
Reason if Not	Grant Funding Not Available
Completed	
Still Relevant?	No

Figure 5-28	
	Wellow Bull Rosti
Description	Reduce or eliminate flooding on Yellow Bull Road by raising the road
- IA	bed and installing tin horns.
Hazards Addressed	Flood
Jurisdictions Affected	Pittsburg County
Completed?	No
Reason if Not	Grant Funding Not Available
Completed	
Still Relevant?	Yes

	Njgure 5-29
	FIRMINI III
Description	Request current/updated flood insurance rate maps for all participating jurisdictions.
Hazards Addressed	Dam Failure, Flood
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, and Savanna
Completed?	Yes

	Figure 5-30		
	Fin and Feather Bridge		
Description	Reduce or eliminate repetitive flooding and washout problems by replacing existing wooden bridge with a large pipe and stabilize the roadbed.		
Hazards Addressed	Flood		
Jurisdictions Affected	Pittsburg County		
Completed?	Yes		

Higher 5-31

Develop Digital Waps	
Description	Prepare digital maps of incorporated and un-incorporated jurisdictions of the county denoting critical facilities.
Hazards Addressed	Dam Failure, Drought, Earthquake, Expansive Soil, Excessive Heat, Flood, Hail, Lightning, Sink Holes, Tornado, High Wind, Wildfire, Winter Storm
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill
Completed?	Yes

Figure 5-32		
	Bury Electric Lines 34 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Description	Upon electric line replacement, local utility providers will be encouraged to bury electric distribution lines to lessen damages and power outages during hazardous weather events.	
Hazards Addressed	Dam Failure, Drought, Earthquake, Excessive Heat, Flooding, Hail, Lightning, Sink Holes, Tornado, High Wind, Wildfire, Winter Storm	
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill.	
Completed?	No	
Reason if Not Completed	Funding	
Still Relevant?	No	

Figure 5-33 Rock Per Road		
Description	Reduce or eliminate flooding by elevating, widening, strengthening, the roadbed, and installing tin horns.	
Hazards Addressed	Flooding	
Jurisdictions Affected	Pittsburg County	
Completed?	No	
Reason if Not	Funding	
Completed		
Still Relevant?	Yes	

Tom Polantic	
Description	Reduce or eliminate repetitive flooding by strengthening and lining channel with rip rap and installing a tin horn.
Hazards Addressed	Flooding
Jurisdictions Affected	Pittsburg County
Completed?	No
Reason if Not	Funding
Completed	
Still Relevant?	No. Action item was changed to reflect current needs.

Figure 5-35	
	Armonic of Ville
Description	Map abandoned mines to identify and locate possible sink hole locations.
Hazards Addressed	Sink Holes
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna
Completed?	No
Reason if Not Completed	Another agency has already completed this project.
Still Relevant?	No

Figure 5-36	
	Wholey with the state of the st
Description	Install impact resistant window film on windows of critical facilities to prevent foreign objects from penetrating windows and prevent glass shattering.
Hazards Addressed	Earthquake, Extreme Heat, Hail, Tornado, Wind
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill
Completed?	No
Reason if Not Completed	School could not find the right film.
Still Relevant?	No

	Fan Distribution Program with the same and t
Description	Develop a program to provide cooling fans to the handicapped, elderly, and other special needs situations that occur in Pittsburg County. These populations are often the most susceptible to the hazards associated with extreme heat.
Hazards Addressed	Extreme Heat
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna
Completed?	No No
Reason if Not	Another agency has started a similar program.
Completed	
Still Relevant?	No

	Rigure 5-38)
	NOAA Weather Repeater
Description	Install a NOAA weather repeater and tower to allow better access to NOAA broadcasts for citizens throughout the county where reception is currently poor.
Hazards Addressed	Dam Failure, Drought, Earthquake, Extreme Heat, Flood, Hail, Lightning, Sink Holes, Tornado, Wildfire, Wind, Winter Storms
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill
Completed?	No
Reason if Not Completed	The technology has expired.
Still Relevant?	No

CONTRACTOR OFFICE VIEW	Figure 5-39
	Expansive Soft Testing
Description	Require soil testing for expansive soils on roads and critical facilities and stabilize soil prior to start of construction.
Hazards Addressed	Expansive Soils
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill
Completed?	No
Reason if Not Completed	Priorities Changed
Still Relevant?	No

Figure 5-40	
	Lighthing Defection
Description	Purchase lightning detection systems and detectors for use at outdoor facilities and parks for the protection of citizens from possible lightning strikes.
Hazards Addressed	Lightning
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill
Completed?	Partially
Reason if Not Completed	Funding
Still Relevant?	Yes

Figure 5-41	
	Stream Water Abrilloting Davide
Description	Install stream water level monitors to monitor the level of streams to give warning of fast rising waters that may indicate a possible dam failure or approaching flood conditions
Hazards Addressed	Dam Failure, Floor, Drought, Earthquake, Excessive Heat, Flooding, Hail, Lightning, Sink Holes, Tornado, High Wind, Wildfire, Winter Storm
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill
Completed?	No
Reason if Not Completed	Funding
Still Relevant?	Yes

	Figure 5-42
	Promote Keniscaping
Description	Promote the use of vegetation and materials native to the local area when landscaping to reduce the need for outdoor watering promoting water conservation which reduces the need for additional water sources and watering during drought conditions.
Hazards Addressed	Dam Failure, Drought, Earthquake, Expansive Soil, Excessive Heat, Flooding, Hail, Lightning, Sink Holes, Tornado, High Wind, Wildfire, Winter Storm
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill
Completed?	Complete

Pigure 5::33			
	Drift Additional Water Wells		
Description	Drill additional water wells where needed to provide additional water sources for communities and as water supply for fire departments to fight wildfire.		
Hazards Addressed	Drought, Wildfire		
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna, and the Public School Districts of Canadian, Crowder, Frink-Chambers, Haileyville, Hartshorne, Haywood, Indianola, Kiowa, Krebs, McAlester, Pittsburg, Quinton, Savanna, and Tannehill		
Completed?	No		
Reason if Not Completed	Funding		
Still Relevant?	Yes		

Figure 5-44)	
	Hundleine Clins
Description	Provide education and encourage the use of hurricane clips on new construction projects.
Hazards Addressed	Dam Failure, Drought Earthquake, Excessive Heat, Flooding, Hail, Lightning, Sink Holes, Tornado, High Wind, Wildfire, Winter Storm
Jurisdictions Affected	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, Savanna
Completed?	Partially
Reason if Not	This is an ongoing action.
Completed	-
Still Relevant?	Yes

5.6 Action Items

Figure 5-45	
Action Ren 1	Broston Miligation for Roads
Description	Elevate and improve drainage for the county roads listed in figures 3-10, 3-11, and 3-12.
Hazards Addressed	Flood
Jurisdictions	Pittsburg County
Mitigation Action Type	Structure and Infrastructure Projects
Responsible Party	Pittsburg County Commissioners
Potential Implementation Timeline	4 Years
Estimated Cost	\$500,000
Potential Funding Sources	County Funds, Rural Economic Plan (REAP) Funds, Community Development Block Grants (CDBG), HMGP

	Figure 5-46
Action from 2	Diagram Warning Devices
Description	Purchase additional and update or replace existing outdoor warning devices to ensure the entire Planning Area is covered. There are several places within the area without coverage.
Hazards Addressed	Tornado/High Wind
Jurisdictions	All Jurisdictions
Mitigation Action Type	5%
Responsible Party	Pittsburg County and town's Emergency Managers, Pittsburg County Fire Departments, the school boards, and the municipal boards of each city or town.
Potential	5 Years
Implementation Timeline	9
Estimated Cost	\$600,000
Potential Funding Sources	5%, Community Development Block Grants

	Figure 5-47
Action Rem 3	Safe Rooms for Critical Facilities
Description	Install safe rooms in critical facilities that either lack them, or are currently utilizing inadequate shelters.
Hazards Addressed	Tornado/High Wind
Jurisdictions	All Jurisdictions
Mitigation Action Type	Structure and Infrastructure
Responsible Party	Pittsburg County Commissioners, the school boards, and the municipal boards of each city or town.
Potential Implementation Timeline	5 Years or More
Estimated Cost	\$20,000,000
Potential Funding Sources	HMGP

Figure 5-48	
Action Them 4	Backup Generally and the Backup Generally and the second
Description	Purchase and install backup generators for all facilities that don't have one.
Hazards Addressed	Tornado/High Wind, Flood, Winter Storm, Wildfire, Lightning, Hail, Extreme Heat, Earthquake, Dam Failure*
Jurisdictions	All Jurisdictions
Mitigation Action Type	5%
Responsible Party	Pittsburg County Commissioners, the school boards, and the municipal boards of each city or town.
Potential	4 Years
Implementation	
Timeline	
Estimated Cost	\$1,000,000
Potential Funding Sources	5% or city, town, or county funds

^{*} Not all jurisdictions are affected by Dam Failure.

Figure 5-49	
Action Rem 5	Dramage
Description	Improve drainage systems around identified critical facility buildings.
Hazards Addressed	Flood
Jurisdictions	All Jurisdictions
Mitigation Action	Structure and Infrastructure Projects
Туре	
Responsible Party	Pittsburg County Commissioners the school boards, public works
-	departments, and the municipal boards of each city or town.
Potential	2 Years
Implementation	
Timeline	
Estimated Cost	\$50,000
Potential Funding	HMGP, or county, city, or town funds
Sources	

Nigure 5-50	
Action Jipm 6	Stirrii Wass Münerentin
Description	Improve storm water management systems throughout the Planning Area to handle more water intake.
Hazards Addressed	Flood
Jurisdictions	All Jurisdictions
Mitigation Action Type	Structure and Infrastructure Project
Responsible Party	Pittsburg County, the school boards, public works departments, and the municipal boards of each city or town.
Potential	5 Years
Implementation Timeline	
Estimated Cost	\$5,000,000
Potential Funding Sources	HMGP, or county, city, or town budgets.

Figure 5-51	
Action Item 7	110 Street (Between Pennsylvania and Wighte).
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action Type	Structure and Infrastructure Project
Responsible Party	City of Hartshorne Public Works
Potential Implementation Timeline	3 Years
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Rigure 5-52	
Action Item 8	9" Street (Biggreen PennsylV meranit Vinglas)
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action	Structure and Infrastructure Project
Type	
Responsible Party	City of Hartshorne Public Works
Potential	3 Years
Implementation	
Timeline	
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Figure 5-53	
Action Item 9	Kill- (nla Sizzeri (Barween 8th and 11(b)
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action	Structure and Infrastructure Project
Туре	_
Responsible Party	City of Hartshorne Public Works

Potential	3 Years
Implementation	*
Timeline	
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Figure 5-54	
Action from 10	South 2 Street (from I shigh to the end of Lebisa)
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action	Structure and Infrastructure Project
Type	
Responsible Party	City of Hartshorne Public Works
Potential	3 Years
Implementation	
Timeline	
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Figure 5-55	
Action Item 11	10th Signer (From Pennsylvania and Modoc)
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action	Structure and Infrastructure Project
Туре	No
Responsible Party	City of Hartshorne Public Works
Potential	3 Years
Implementation	
Timeline	
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Figure 5-56	
Action tiem 12	Carelino, Street (From 7th to 9th Street).
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action	Structure and Infrastructure Project
Type	
Responsible Party	City of Hartshorne Public Works

Potential	3 Years
Implementation	a a
Timeline	
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Figure 5-57	
Action Item 13	Motion Street (From 5th to 10th)
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action	Structure and Infrastructure Project
Type	
Responsible Party	City of Hartshorne Public Works
Potential	3 Years
Implementation	ν,
Timeline	
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Figure 5-58	
Action Item 14	South 69 (Promitabligh to the end of 60 Silves)
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action	Structure and Infrastructure Project
Туре	
Responsible Party	City of Hartshorne Public Works
Potential	3 Years
Implementation	
Timeline	
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Figure 5-59	
Action Item 15	Communelle Street (From 5th to 8th)
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action	Structure and Infrastructure Project
Туре	

Responsible Party	City of Hartshorne Public Works
Potential	3 Years
Implementation	
Timeline	4)
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Figure 5-60	
Action Item 16	7 Street (forom Panary/vental to Bricalill)
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action Type	Structure and Infrastructure Project
Responsible Party	City of Hartshorne Public Works
Potential Implementation Timeline	3 Years
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Figure 5-61	
Adjum Gen 107	AMARGA Steers (Proposally to 69" (Street)
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action	Structure and Infrastructure Project
Туре	
Responsible Party	City of Hartshorne Public Works
Potential	3 Years
Implementation	
Timeline	
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Figure 5-62	
Addion Tem 18	15th Street (From Lettish to Kalls (dia Street)
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action	Structure and Infrastructure Project
Туре	. •

Responsible Party	City of Hartshorne Public Works
Potential	3 Years
Implementation	
Timeline	*
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Figure 5-68	
Action Item 19	Deepen and Widen City Canal
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action	Structure and Infrastructure Project
Туре	there:
Responsible Party	City of Hartshorne Public Works
Potential	3 Years
Implementation	
Timeline	
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Pigure 5-6c)	
Action Item 20	Comanche Street (From 51) to 8th Street
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action	Structure and Infrastructure Project
Туре	
Responsible Party	City of Hartshorne Public Works
Potential	3 Years
Implementation	
Timeline	
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Figure 5-65	
Action Item 24	Osrigi Streat (Brom 101th to 15th)
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action	Structure and Infrastructure Project
Туре	

Responsible Party	City of Hartshorne Public Works
Potential	3 Years
Implementation	
Timeline	
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Rigure 5-66		
Action Tem 22	(4th Street (From Pawnes to Pennsylvania Street)	
Description	Elevate and improve drainage.	
Hazards Addressed	Flood	
Jurisdictions	City of Hartshorne	
Mitigation Action Type	Structure and Infrastructure Project	
Responsible Party	City of Hartshorne Public Works	
Potential Implementation Timeline	3 Years	
Estimated Cost	\$200,000	
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community	
Sources	Development Block Grants (CDBG), HMGP	

Figure 5-67	
Action train 2st	ISP Street (Vium Cherokes to Cheventon)
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action	Structure and Infrastructure Project
Туре	200
Responsible Party	City of Hartshorne Public Works
Potential	3 Years
Implementation	20
Timeline	
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Figure 5-68	
Agricon Riem 26	High Hill Road
Description	Elevate and improve drainage.
Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action	Structure and Infrastructure Project
Туре	

Responsible Party	City of Hartshorne Public Works
Potential	3 Years
Implementation	
Timeline	
Estimated Cost	\$200,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

Figure 5-69		
Action Item 25	Hospital Water Fower 1981 1991 1991	
Description	Install a water tower at the hospital to store more supply.	
Hazards Addressed	Drought	
Jurisdictions	City of McAlester, Hospital	
Mitigation Action	Structure and Infrastructure Project	
Туре	<u> </u>	
Responsible Party	City of McAlester, Hospital Administrator	
Potential	5 Years	
Implementation		
Timeline		
Estimated Cost	\$1,250,000	
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community	
Sources	Development Block Grants (CDBG), HMGP	

Figure 5-70	
Action Item 26	Mass Northcarlon System Education
Description	Get education for city, town, county, and school employees on how and when to utilize the existing notification system.
Hazards Addressed	All Hazards*
Jurisdictions	All Jurisdictions
Mitigation Action Type	Education and Awareness Program
Responsible Party	Pittsburg County Emergency Management, the school boards, and the municipal boards of each city or town.
Potential	2 Years
Implementation	
Timeline	
Estimated Cost	\$15,000
Potential Funding	City Funds, Rural Economic Plan (REAP) Funds, Community
Sources	Development Block Grants (CDBG), HMGP

^{*} Not all jurisidcions affected by Dam Failure.

	Figure 5-71	
Action Item 27	Seign to	Rengam Systems

Description	Purchase or upgrade school intercom systems to use for drills and
	hazard related announcements.
Hazards Addressed	Tornado/High Wind, Flood, Winter Storm, Wildfire, Lightning, Hail,
	Extreme Heat, Dam Failure*, Earthquake
Jurisdictions	All School District
Mitigation Action	5%
Туре	
Responsible Party	School Superintendents
Potential	2 Years
Implementation	
Timeline	
Estimated Cost	\$10,000
Potential Funding	School Funds, HMGP
Sources	

^{*} Not all jurisideions affected by Dam Failure.

Figure 5-73		
Action (fem 28)	Philips Shellers	
Description	Install public shelters to ensure the safety of the public during storms.	
Hazards Addressed	Tornado/High Wind	
Jurisdictions	Pittsburg county and all cities and towns	
Mitigation Action Type	Structure and Infrastructure	
Responsible Party	Pittsburg County Emergency Management and the municipal boards of each city or town.	
Potential Implementation Timeline	3 Years	
Estimated Cost	\$2,000,000	
Potential Funding Sources	HMGP or city, county, or town budgets	

La La Company de la Company	Figure 5-74
Aetton Ifem 29	Tin Hoyan
Description	Purchase new tin horns to improve drainage.
Hazards Addressed	Flood
Jurisdictions	Pittsburg County and all cities and towns
Mitigation Action Type	Flood
Responsible Party	Pittsburg County Commissioners and the governments of each city or town.
Potential Implementation Timeline	3 Years
Estimated Cost	\$1,000,000
Potential Funding Sources	HMGP or city, county, town budgets.

Figure 5-75	
Action Item 30	Public Equipation and Awareness
Description	Educate the public on hazards through social media campaigns.
Hazards Addressed	All Hazards*
Jurisdictions	All Jurisdictions
Mitigation Action Type	Education and Awareness
Responsible Party	Pittsburg County Emergency Management, the school boards, and the governments of each city or town.
Potential Implementation Timeline	1 Year
Estimated Cost	\$50,000
Potential Funding Sources	HMGP or county, city, or town budgets

^{*} Not all jurisideions affected by Dam Failure.

Figure 5-76	
Action from 31	Defenable Space
Description	Implement and execute a defensible space program within all jurisdictions.
Hazards Addressed	Wildfire
Jurisdictions	All Jurisdictions

Mitigation Action	Local Planning and Regulations, Natural Systems Protection
Mitigation Action	Local Flaining and Rogalations, Rutain Systems 2 2000
Туре	
Responsible Party	Pittsburg County Emergency Management, Fire Departments, the
,	school boards, and the governments of each city or town.
Potential	2 Years
Implementation	
Timeline	
Estimated Cost	\$800,000
Potential Funding	HMGP or county, city, or town budgets
Sources	

Figure 5-77.	
Agdini Reni 32	Water Line Undate
Description	Update all the old waterlines within the jurisdiction.
Hazards Addressed	Drought, Wildfire
Jurisdictions	All Jurisdiction
Mitigation Action	Structure and Infrastructure
Туре	
Responsible Party	Pittsburg County Commissioners, Water Departments, Public Works Departments, the school boards, and the governments of each city or town.
Potential	10-20 Years
Implementation	"
Timeline	
Estimated Cost	\$1,250,000
Potential Funding	HMGP or county, city, or town budgets
Sources	

Figure 5-78	
Action Rem 35	Flore Incorpance
Description	Promote flood insurance by providing education to the public.
Hazards Addressed	Flood
Jurisdictions	Pittsburg County and all cities and towns
Mitigation Action	Education and Awareness
Туре	

Responsible Party	Pittsburg County Emergency Management, Floodplain Administrators, and the governments of each city or town.
Potential Implementation Timeline	2 Years
Estimated Cost	\$20,000
Potential Funding Sources	HMGP or county, city, or town budgets

Figure 5-79	
Action Item 3d	Winter-Stone Campaign
Description	Implement "First 72 is on You" program within all jurisdictions to promote 72-hour preparedness following a winter storm.
Hazards Addressed	Winter Storm
Jurisdictions	All Jurisdictions
Mitigation Action Type	Education and Awareness
Responsible Party	Pittsburg County Emergency Management, the school boards, and the municipal boards of each city or town.
Potential Implementation	6 Months
Timeline	
Estimated Cost	\$20,000
Potential Funding Sources	HMGP or county, city, or town budgets

Action Item 35	Risk Mapping
Description	Map and identify potential risk areas.
Hazards Addressed	All Hazards*
Jurisdictions	All Jurisdictions
Mitigation Action	Local Planning and Regulations
Type	
Responsible Party	Pittsburg County Emergency Management, the school boards, and the municipal boards of each city or town.
Potential	2 Years
Implementation	
Timeline	
Estimated Cost	\$500,000
Potential Funding	HMGP or county, city, or town budgets
Sources	, , ,

^{*} Not all jurisideions affected by Dam Failure.

Figure 5-81	
Action from 36	Communications
Description	Ensure interoperability between jurisdictions by upgrading communication systems to prevent delays in essential services to the public.
Hazards Addressed	All Hazards*
Jurisdictions	All Jurisdictions
Mitigation Action Type	Structure and Infrastructure
Responsible Party	Pittsburg County and town's Emergency Managers, the school Superintendent, and the municipal boards of each city or town.
Potential Implementation Timeline	5 Years
Estimated Cost	\$1,000,000
Potential Funding Sources	HMGP or county, city, or town budgets

^{*} Not all jurisideions affected by Dam Failure.

Figure 5-82	
Agitor Hom 37	What Recont
Description	Purchase building connectors to retrofit critical facilities to handle higher wind loads.
Hazards Addressed	Tornado/High Wind
Jurisdictions	All Jurisdictions
Mitigation Action Type	Structure and Infrastructure Project
Responsible Party	Pittsburg County Emergency Management, the School Superintendents, and the municipal boards of each city or town.
Potential Implementation Timeline	5 Years
Estimated Cost	\$1,000,000
Potential Funding Sources	HMGP

经工程的 机 和导致机	Figure 5-83
Againm Tem 38	Sife ReonoRebna
Description	Provide a safe room rebate program for citizens within the Planning Area.
Hazards Addressed	Tornado/High Winds

Jurisdictions	Pittsburg Co, Alderson, Ashland, Canadian, Carlton Landing, Crowder, Indianola, Kiowa, Pittsburg, Quinton, Savanna, Haileyville, Hartshorne, Krebs, McAlester
Mitigation Action Type	Local Plans and Regulations
Responsible Party	Pittsburg County and town's Emergency Managers.
Potential	3 Years
Implementation	
Timeline	
Estimated Cost	\$800,000
Potential Funding Sources	HMGP or county, city, or town budgets

Figure 5-84		
Action Iron 39	Repetitive Loss Properties	
Description	Identify and track potential repetitive loss properties.	
Hazards Addressed	Flood	
Jurisdictions	All Jurisdictions	
Mitigation Action	Local Planning and Regulations	
Type	P'01 C 1 1 1 1 1 2 7	
Responsible Party	Pittsburg County and town's Floodplain Managers.	
Potential Implementation Timeline	4 Years	
Estimated Cost	\$500,000	
Potential Funding Sources	HMGP or county, city, or town budgets	

Figure 5-85	
Action Item 40	Bank Stabilization
Description	Install Rip Rap as needed to stabilize riverbanks to prevent wash out and loss of homes.
Hazards Addressed	Flood
Jurisdictions	Pittsburg County
Mitigation Action Type	Structure and Infrastructure
Responsible Party	Pittsburg County Commissioners
Potential Implementation Timeline	5 Years
Estimated Cost	\$500,000
Potential Funding Sources	HMGP or county, city, or town budgets

Figure 5-86	
Action Item 41	il ghilling and Surge Suppression
Description	Protect critical facilities from surges.
Hazards Addressed	Lightning
Jurisdictions	All Jurisdictions
Mitigation Action	5%
Туре	
Responsible Party	Pittsburg County Emergency Management, the school boards, and the municipal boards of each city or town.
Potential	3 Years
Implementation	
Timeline	
Estimated Cost	\$500,000
Potential Funding	HMGP or county, city, or town budgets
Sources	

Figure 5-87	
Auton From 412	Dvainage Direit Improyements
Description	Improve the load capacity of drainage ditches.
Hazards Addressed	Flood
Jurisdictions	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, and Savanna
Mitigation Action Type	Structure and Infrastructure
Responsible Party	Pittsburg County Commissioners, Public Works Departments, and the municipal boards of each city or town.
Potential	3 Years
Implementation Timeline	
Estimated Cost	\$800,000
Potential Funding Sources	HMGP or county, city, or town budgets

Figure 5-88		
Action Item 43	Day Hydranic	
Description As water retention pools are constructed to mitigate flooding		
1	problems, dry hydrants should be installed.	
Hazards Addressed	Flood	
Jurisdictions	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville,	
	Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, and Savanna	
Mitigation Action	Structure and Infrastructure	
Туре		

Responsible Party	Pittsburg County and the municipal boards of each city or town.
Potential	5 Years
Implementation	
Timeline	
Estimated Cost	\$1,000,000
Potential Funding	HMGP or county, city, or town budgets
Sources	

	Figure 5-89)
Action Item 44	Building Permits
Description	Implement a building permit process for new construction as well as renovations that will include following a standard such as the BOCA Building Codes.
Hazards Addressed	Flood
Jurisdictions	Pittsburg County, Alderson, Ashland, Canadian, Crowder, Haileyville, Hartshorne, Indianola, Kiowa, Krebs, Pittsburg, Quinton, and Savanna
Mitigation Action Type	Local Plans and Regulations
Responsible Party	Pittsburg County and the municipal boards of each city or town.
Potential Implementation Timeline	5 Years
Estimated Cost	\$700,000
Potential Funding Sources	HMGP or county, city, or town budgets

	Figure 5-90	
Avidor Ben 45	Chies Com Wetti-Spelly 1999	
Description	Install water towers to provide short term water supply as a source for fighting wildfires and to use in times of drought.	
Hazards Addressed	Drought, Wildfire	
Jurisdictions	All Jurisdictions	
Mitigation Action Type	Structure and Infrastructure	
Responsible Party	Pittsburg County and the municipal boards of each city or town.	
Potential Implementation Timeline	5 Years	
Estimated Cost	\$1,000,000	
Potential Funding Sources	HMGP or county, city, or town budgets	

The second secon	CENTRAL PROPERTY OF THE PARTY O	CHARLEST THE RESERVE OF THE PROPERTY OF THE PARTY OF THE
THE REPORT OF THE PROPERTY OF	Figure 5-91	STORY THE RESERVE OF THE PARTY
	A Property of the second of th	Manager and Manager and Assessment
assertion frem an	Lightning Beschi	

Description	Purchase lightning detection systems and detectors for use at outdoor facilities and parks for the protection of citizens from possible lightning strikes.
Hazards Addressed	Lightning
Jurisdictions	All Jurisdictions
Mitigation Action Type	Structure and Infrastructure Projects
Responsible Party	Pittsburg County and town's Emergency Managers, and the School Superintendents.
Potential Implementation Timeline	3 Years
Estimated Cost	\$600,000
Potential Funding Sources	HMGP or county, city, or town budgets

Pigure 5-92		
Action (tam 4)	Siream Water Montinging	
Description	Install stream water level monitors to monitor the level of streams to give warning of fast rising waters that may indicate a possible dam failure or approaching flood conditions.	
Hazards Addressed	Flood	
Jurisdictions	Pittsburg County Floodplain Manager	
Mitigation Action	Structure and Infrastructure	
Type	30.1	
Responsible Party	Pittsburg County	
Potential	5 Years	
Implementation		
Timeline		
Estimated Cost	\$800,000	
Potential Funding Sources	HMGP or county, city, or town budgets	

Figure 5-93		
Action Rem 48	Actes Road	
Description	Construct an alternative access road.	
Hazards Addressed	Tornado/High Wind, Flood, Winter Storm, Wildfire, Lightning, Hail,	
	Earthquake, Dam Failure*	
Jurisdictions	Carlton Landing	
Mitigation Action	Structure and Infrastructure Projects	
Type	·	
Responsible Party	Carlton Landing municipal board.	

Potential	4 Years	
Implementation		
Timeline		
Estimated Cost	\$2,000,000	***************************************
Potential Funding	HMGP or county, city, or town budgets	
Sources		

^{*}Not all jurisdictions affected by Dam Failure.

Figure 5-94	
Action Item 49	Winter Roads
Description	Purchase equipment to winterize roads before winter storms.
Hazards Addressed	Winter Storms
Jurisdictions	Pittsburg County and all cities and towns
Mitigation Action	5%
Type	0
Responsible Party	Pittsburg County and the municipal board of each city or town.
Potential	4 Years
Implementation	
Timeline	
Estimated Cost	\$400,000
Potential Funding	HMGP or county, city, or town budgets
Sources	

Figure 5-95	
Action Hom 50	Covered Aceas
Description	Build covered areas for exposed vehicles and equipment to prevent hail damage.
Hazards Addressed	Hail
Jurisdictions	All Jurisdictions
Mitigation Action Type	Structure and Infrastructure
Responsible Party	Pittsburg County, the school boards, and the municipal board of each city or town.
Potential Implementation Timeline	5 Years
Estimated Cost	\$800,000
Potential Funding Sources	HMGP or county, city, or town budgets

	Figure 5-96
Action Itam 51	Vultaecable Populations

Description	Identify and map vulnerable populations to allow emergency personnel to assist those individuals and mitigate the risks of hazard
	events.
Hazards Addressed	All Hazards
Jurisdictions	All Jurisdictions
Mitigation Action	5%
Type	
Responsible Party	Pittsburg County and town's Emergency Managers, and the school
	boards.
Potential	2 Years
Implementation	
Timeline	
Estimated Cost	\$100,000
Potential Funding	HMGP or county, city, or town budgets
Sources	

Figure 5:97	
Action Rem 52	Rec-1930's Buildings
Description	Inspect pre-1940's buildings to prevent potential future collapses.
Hazards Addressed	Earthquake, Tornado/High Wind
Jurisdictions	All Jurisdictions
Mitigation Action	Local Plans and Regulations
Type	
Responsible Party	Pittsburg County, the school boards, and the municipal board of each city or town.
Potential	2 Years
Implementation	
Timeline	
Estimated Cost	\$1,000,000
Potential Funding	HMGP or county, city, or town budgets
Sources	

Figure 5-98	
Action Item 53	Winter Pipe Protection
Description	Reinforce pipes to prevent freezing and busts during severe winter weather.
Hazards Addressed	Winter Storms
Jurisdictions	All Jurisdictions
Mitigation Action Type	Structure and Infrastructure Projects
Responsible Party	Pittsburg County, the school boards, and the municipal board of each city or town.

Potential	5 Years
Implementation	
Timeline	
Estimated Cost	\$4,000,000
Potential Funding	HMGP or county, city, or town budgets
Sources	

Figure 5-99	
Action Item 54	Warning Signs and Barriers
Description	Purchase additional warning signs and barriers for flooded roads to prevent vehicles from driving down them.
Hazards Addressed	Flood
Jurisdictions	Pittsburg County and all cities and towns
Mitigation Action Type	5% and Structure/Infrastructure Projects
Responsible Party	Pittsburg County and each town's Emergency Manager, and municipal boards.
Potential Implementation Timeline	3 Years
Estimated Cost	\$300,000
Potential Funding Sources	HMGP or county, city, or town budgets

Figure 5-100	
Action Item 55	Sheller Locations
Description	Purchase and post seasonal signage that directs citizens to public shelters, warming stations, and cooling stations.
Hazards Addressed	Tornado/High Wind, Winter Storm, and Extreme Heat
Jurisdictions	All Jurisdictions
Mitigation Action Type	Education and Awareness
Responsible Party	Pittsburg County and each town's Emergency Manager, and municipal boards.
Potential Implementation Timeline	2 Years
Estimated Cost	\$20,000
Potential Funding Sources	HMGP or county, city, or town budgets

	Figure 5-101
Action Item 56	Warming Stations 12 19 19 19 19 19 19 19 19 19 19 19 19 19
Description	Identify warming stations within each jurisdiction and

Hazards Addressed	Winter Storm
Jurisdictions	All Jurisdictions
Mitigation Action	Education and Awareness
Type	
Responsible Party	Pittsburg County and each town's Emergency Managers, the school
	boards, and municipal boards.
Potential	3 Years
Implementation	
Timeline	
Estimated Cost	\$500,000
Potential Funding	HMGP or city, town, or county budgets
Sources	<u> </u>

Figure 5-102	
Action from St	Hall Realth of Resolution
Description	Install hazard resistant roofing on critical facilities to prevent storm damages.
Hazards Addressed	Hail
Jurisdictions	All Jurisdictions
Mitigation Action Type	Structure and Infrastructure Project
Responsible Party	Pittsburg County, the school boards, and municipal boards of each jurisdiction.
Potential Implementation Timeline	5 Years
Estimated Cost	\$5,000,000
Potential Funding Sources	HMGP or City, town, or school budgets.

Figure 5-103		
Action from 58	Loss of the second of the Chy Canal House E. Many Edward	
Description	Deepen and widen the city canal from Modoc to 7th Street.	

Hazards Addressed	Flood
Jurisdictions	City of Hartshorne
Mitigation Action Type	Structure and Infrastructure
Responsible Party	City of Hartshorne Public Works Department
Potential	5 Years
Implementation	
Timeline	
Estimated Cost	\$1,250,000
Potential Funding	HMGP, City Funds
Sources	

Rigure 5-104		
Action Item 59	Improve NPR Complaince	
Description	Enable jurisctions to improve NFIP compliance by adopting	
	floodplain ordinance and/or having a dedicated Floodplain Manager	
Hazards Addressed	Flood	
Jurisdictions	Alderson, Canadian, Crowder, Haileyville, Hartshorne, Kiowa, Krebs,	
	McAlester, Pittsburg, and Quinton	
Mitigation Action	Local Plans and Regs	
Туре		
Responsible Party	Municipal boards of each town/city.	
Potential	1 Years	
Implementation		
Timeline		
Estimated Cost	Unknown	
Potential Funding Sources	HMGP, City Funds	

Figure 5-105		
Action Item 60	Address Dan Timondation (Man Deficiency	
Description	Create Innundation Maps for Planning Area to Depict Adequate	
	Extent of Dam Failure	
Hazards Addressed	Dam Failure	
Jurisdictions	Pittsburg Co, McAlester, Pittsburg, McAlester PS, Pittsburg PS	
Mitigation Action	Local Plans and Regs	
Турс		
Responsible Party	OWRB	
Potential	5 Years	
Implementation	98	
Timeline		
Estimated Cost	Unknown	

Potential Funding	OWRB Funding
Sources	

5.7 Conclusion

The Pittsburg County Planning Committee understands that regular evaluation of this plan, to include the action items listed, will guarantee that this plan serves as a useful tool for all participating jurisdictions in the county. The public has a vital role to serve in this process. Continuing to seek public feedback and incorporating it into the evaluation process is a critical step in ensuring our mitigation resources and actions will benefit the highest number of the public.

APPENDIX A: CRITICAL FACILITIES

		Figure A-	1		
	Pittsburg	County Crit	ical Facilities		
Name	Address	Chy/Toan	Tarkinde.	Longicale	Backer
					Powa
Pittsburg County	115 E Carl Albert	McAlester	34.94333638	-	N
Courthouse	Parkway			95.7694128	
Pittsburg County	1210 N. West St	McAlester	34.9475456	-	Y
Sheriff				95.7814654	
Dept./County Jail					
Pittsburg County	200 N. Craig	Haileyville	34.8589286	-	N
District 1 County				95.5770946	
Barn					
Pittsburg County	692 Pittsburg	Pittsburg	34.5918798	-	N
District 2 County	Road			95.7595683	
Barn					
Pittsburg County	1906 N. 15 th	McAlester	34.9472173	•	Y
District 3 County	â.			95.7425916	
Barn					
Pittsburg County	1400 College	McAlester	34.9331119	-	Y
Health Department	Ave			95.7464186	
Pittsburg County	705 EOC Drive	McAlester	34.948034	-95.779302	Y
Emergency					
Operations Center	х (
Pittsburg County	1208 North West	McAlester	34.948979	-95.780409	N
Juvenile Detention	Street				
Center					
Blanco Fire	6359 North 4070	McAlester	34.74835	-95.77640	N
Department	Road				

High Hill Fire	4128 High Hill	McAlester	34.86943	-95.66332	N
Department	Road	7.			
Union Chappell Fire	8275 Pounds	Pittsburg	34.66640	-95.74357	N
Department	Valley Road				\
Russellville Fire	3085 Russelville	Quinton	35.15226	-95.46752	N
Department	Road				
Bugtussle Fire	2295 Flowery	McAlester	35.007490	-95.718350	N
Department	Mound Road	14			
Shady Grove Fire	3637State Hwy	McAlester	35.000050	-95.742190	Y
Department	113				
Tannehill Fire	10679 Tannehill	McAlester	34.9998293	-	N
Department	Road			95.8842811	
Highway 9 Fire	106019 OK-9	Eufaula	35.2411648	-	Y
Department				95.5175614	
Haywood-Arpelar	67 South Arpelar	Arpelar	34.941044	-	N
Fire Department	Road			95.9652818	

	Town of A	Figure A-2	eal Facilities		
Name	Address	C)(V/Town	THE STATE OF THE S	Longstrate	Buckup. Rower
Alderson Fire	103 Washington	Alderson	34.901750	-95.691380	N
Department	Street				

Figure A-3 Town of Ashland Critical Facilities							
Came	Address	Chy/Powa	initiale.	Longitude	Backup Power		
Ashland Fire Department	1329 S Harper Valley Road	Stuart	34.675950	-95.989930	N		

Figure A-4 Town of Canadian Critical Facilities								
Nihme	Address	Town/City	Lattifude	Congitude	Backup Power			
Canadian Town Hall	465 NW Toole Ave	Canadian	35.180900	-95.659300	N			
Canadian Sewage/Lift Station	South Wilson St	Canadian	N35 10.3474	W95 39.1426	N			
Canadian Water Treatment Plant	West Main Street	Canadian	N35 10.4254	W95 39.8288	N			
Arrowhead Estates Fire Department	815 Arrowhead Drive	Canadian	35.174320	-95.618410	N			
Canadian Fire Department	302 North Tignor St	Canadian	N35 10.6873	W95 39.1123	Y			

Figure A-5 Carlton Landing Critical Facilities								
Name	Addires	Chyllawa	Latifude,	Longarde	Backup Power			
Carlton Landing Fire		Carlton	N35-12-	W95-32-				
Department		Landing	13.16	38.50				
RW&SD No 20	Water Lane	Carlton	N35-12-	W95-32-	Y			
Carlton Landing		Landing	16.49	33.60				
Sewage Lift Station								
RW&SD No 20	Water Lane	Carlton	N35-12-	W95-32-	N			
Carlton Landing		Landing	32.66	24.37				
Sewage Lagoons								

Figure A-6 Town of Crowder Critical Facilities								
Name	Address		Latitude.	Liongindhe'	Blackup Fower			
Crowder Fire Department	805 Bond St	Crowder	35.123469	-95.675119	N			
Crowder Wastewater	721 Bond St	Crowder	35.132979	-95.674567	Y			
Crowder PWA Lift #1	320 South C Ave	Crowder	35.121007	-95.673438	Y			
Crowder PWA Lift #2	215 North F Ave	Crowder	35.125217	-95.666556	Y			
PCDWA Water Plant	510 2 nd St	Crowder	35.126956	-95671805	Y			
PCDWA Pump Station	910 6 th St	Crowder	35.122904	-95.676329	Y			
Crowder Senior Citizen Center	121 South B St	Crowder	35.122849	-95.674552	N			

Figure A-7 Town of Indianola Critical Facilities								
Name	Address	Cley/Town	Entitude	Longitude	Backup Power			
Indianola Fire Department	2 nd & Walnut	Indianola	35.165890	-95.775170				
Canadian Shores Fire Department	6303 Canadian Shores	Indianola	35.16887	-95.73639	N			

Figure A-8 Town of Kiowa Critical Facilities								
Name	Address	City/Tova	Latinue.	il angjenis	Bodson Power			
Kiowa Fire Department	916 south Harrison	Kiowa	34.721618	-95.904915	Y			

		Figure A						
Town of Pittsburg Critical Facilities								
Name	AVARITEE	City/Town	Latitute	Uniginal	Baston			
					Th wer			
Pittsburg City Hall	501 Main	Pittsburg	34.711068	-95.850928	N			
	Street							
Pittsburg Fire	413 Broadway	Pittsburg	34.71440	-95.85083	N			
Department								
Pittsburg Water	968 Indian	Pittsburg	34.687168	-95.834861	N			
Plant	Trail							
Pittsburg Sewer	809 Main	Pittsburg	34.716835	-95.844330	N			
Plant	Street		¥.					
Pittsburg	968 Indian	Pittsburg	34.686645	-95.836374	N			
Pumphouse Intake	Trail							

Figure A-10 Town of Quinton Critical Facilities								
Name	Airmean	City/Hown	Ladiuce	Longitude	Buckup			
Quinton City Hall	1021 Main St.	Quinton	35.123020	-95.368490	N			
Quinton Fire Department	700 East Main	Quinton	35.12448	-95.36482	N			

Figure A-11 Town of Savanna Critical Facilities							
Name	Address	City/Toye	Lattinie	Longitude	Backup Boyer		
Savanna City Hall/Police Station	10 So Main	Savanna	34.8291	-95.8442	Y		
Savanna Public Works/City Barn	10 N. Main	Savanna	34.8294	-95.8437	N		
Savanna Civic Center	105 H Avenue	Savanna	34.8324	-95.8389	N		
Savanna Water Tower	9418 ½ So. US Highway 69	Savanna	34.8997	-95.8430	Y		
Savanna Lift Station	A Ave & Stadia Drive	Savanna	34.8251	-95.8384	N		
Savanna Lift Station	End of A Street	Savanna	34.8339	-95.8328	N		
Savanna Lift Station	Old Highway South	Savanna	34.8444	-95.8327	N		
Savanna Fire Department Station #1	101 H Ave	Savanna	34.8322	-95.8394	Y		
Savanna Fire Department Station #2	42 N Washington	Savanna	34.8316	-95.8470	N		

Figure A-12 City of Haileyville Critical Facilities							
Name Address Town/City Latitude Longitude Backup. Power							
Haileyville Fire Department	110 Main Street	Haileyville	34.85472	-95.58008	N		
Haileyville City Hall	110 Main	Haileyville	34.853760	-95.583794	N		

Figure A-13 City of Hartshorne Critical Facilities							
NERVIO	Andren	ToxyaCity	Laffinite	Longitalit	Terstrop Town		
Hartshorne Fire Department	1101 Pennsylvania Ave	Hartshorne	34.844640	-95.553850	Y		
Hartshorne City Hall	1101 Pennsylvania	Hartshorne	34.844640	-95.553850	N		

Figure A-14 City of Krebs Critical Facilities							
Name I	Andress	Tava/City	Lattinde	Langitunte	Briefeije Power		
Krebs Fire Department	10 North Ash	Krebs	34.93085	-95.71556	Y		
Krebs City Hall	5 East Washington	Krebs	34.927780	-95.713060	Y		

18:00-00-00-00-00-00-00-00-00-00-00-00-00-		Figure A			
	M	cAlester Criti	cal Facilities		
Name	Aldifess	Town/Curv	Latitude	Longitude	Backey
					Power
McAlester City Hall	28 East	McAlester	34.933991	-95.768304	Y
	Washington				
Frink Chambers	454 Frink	McAlester	34.878055	-95.790084	N
Community Center	Road				
Kiamichi Technology	301 Kiamichi	McAlester	34.924445	-95.745674	N
Center	Drive				1
McAlester Regional	1 Clark Bass	McAlester	34.936857	-95.750509	Y
Hospital	Blvd.				
Blue Fire Department	518 Verner	McAlester	34.945634	-95.881638	Y
	Road				
Elm Point Fire	6590 East	McAlester	35.0017185	-956029654	N
Department	Highway 31			l'	
McAlester Fire	607 Village	McAlester	34.908260	-95.742094	Y
Department Main	Blvd.				
Station					
McAlester Fire	1313 So.	McAlester	34.914967	-95.760008	Y
Department South	Strong Blvd.				
Station					
McAlester Fire	2717 N Main	McAlester	34.955752	-95.761324	N
Department North					
Station		6			
Sams Point Fire	205 Kelso	McAlester	35.194230	-95.694290	Y
Department	Drive				
Steven Taylor Water	New Baker	McAlester	34.931511	-95.828191	N
Tower	Road		9		

McAlester Public	1212 North	McAlester	34.949977	-95.779327	N
Works Facility	West Street				
McAlester Public	299 East	McAlester	34.935098	-95.764617	N
Safety Radio	Adams				
Repeater					
McAlester Public	913 Larue	McAlester	34.894724	-95.759730	N
Safety Radio	Road	,			
Repeater					
McAlester Softball	2500 West	McAlester	34.943083	-95.812409	N
Complex Lift Station	Highway 270				
McAlester Storm	Railroad &	McAlester	34.947322	-95765513	N
Sewer Lift Station	West Electric				
	Ave.				
McAlester Landfill	2810 North	McAlester	34.952861	-95830640	N
Lift Station	Mitchell Road				
McAlester/Walmart	440 South	McAlester	34.920080	-95.738252	Y
Sewer Lift Station	George Nigh				
	Ехру				
McAlester/Links	14 Torrey	McAlester	34.904385	95.751904	Ň
Sewer Lift Station	Pines Court				
McAlester/Katy	2900 North	McAlester	34.958830	-95.761318	N
Sewer Lift Station	Katy				
McAlester/UPS Lift	150 Express	McAlester	34.884002	-95.776239	Y
Station	Lane				
McAlester/Fireside	925 Fireside	McAlester	34.891256	-95758588	N
Lift Station					
McAlester Regional	104 Airport	McAlester	34.884739	-95.784563	M
Airport	Road				

McAlester/KFC	705 South	McAlester	34.912410	-95.746308	N
Water Booster Pump	George Nigh			35.7 10500	
Station	Ехру				
McAlester/Summit	9 Briar Cliff	McAlester	34.899710	-95.738853	NT.
	Road	MICATESIEI	34.899/10	-95./38853	N
Ridge Water Booster	Road				l l
Pump					
McAlester/West SS	1305 West	McAlester	34.932019	-95.709270	Y
Treatment	Hwy 31				-
McAlester/East SS	1360 East	McAlester	34.954613	-95.745579	Y
Treatment	Krebs Lake				
	Road				
McAlester/Skyline	3327 North	McAlester	34.970377	-95.767804	N
Water Tower	Hickory				
McAlester/Buffalo	299 East	McAlester	34.935094	-95.764620	N
Water Tower	Adams				
McAlester/Carl	913 Larue	McAlester	34.894723	-95.759727	N
Albert Water Tower	Road				
McAlester/B &	226 West	McAlester	34.925841	-95776449	N
Seminole Water	Seminole				
Tower					
McAlester Water	5200	McAlester	34.993118	-95.797660	Y
Treatment Plant	Waterworks				
	Road				
McAlester/Airport	210 Airport	McAlester	34.884077	-95.786862	N
Lift Station	Drive			33.700002	"
McAlester/Midway	727 South	McAlester	34.909503	-95.746012	N
•		MICTICAL	JT.707JUJ	-93.770012	14
Lodge Lift Station	George Nigh				
	Expy				
McAlester/Walnut	2301 South	McAlester	34.901072	-95.754350	N
Grove Lift Station	14 th			383	

McAlester/Country	1428 Country	McAlester	34.909240	-95.750540	N
Club Lift Station	Club Road				
McAlester/OSP Lift	7300 North	McAlester	34.956107	-95.780655	N
Station	West St				
McAlester/Colony	1 Melissa	Krebs	34.935989	-95.734143	N
North Lift Station	Lane				
Л Stipe Recreation	801 North 9th	McAlester	34.936949	-95.756381	N
Center	Street				
McAlester EXPO	4500 West	McAlester	34.944603	-95.824948	N
	Highway 270				

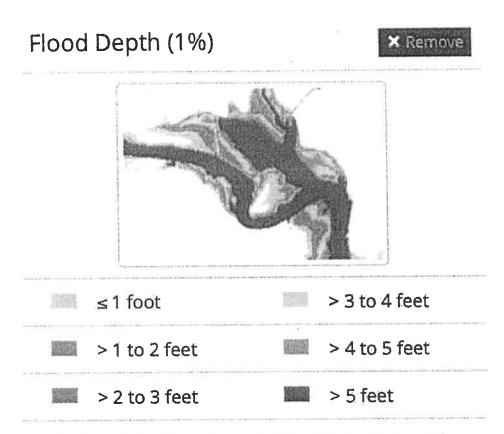
Figure A-16 School District Critical Facilities						
Name	Address	Town/City	isteri i eremites	Longitude	Backup	
					Porter	
McAlester Public	501 South C	McAlester	34.929420	-95.777631	N	
Schools Early	St				-	
Childhood Center	1					
Jefferson						
McAlester Public	700 South 6th	McAlester	34.922846	-95.764513	N	
Schools Early						
Childhood Center						
Washington						
McAlester Public	600 W.	McAlester	34.938381	-95.778135	N	
Schools Early	Madison					
Childhood Center						
William Gay						
Edmond Doyle	520 E. Smith	McAlester	34.956074	-95.755917	N	
Elementary School					1	
Emerson Elementary	301 E Van	McAlester	34.940113	-95761541	N	
School	Buren		i		1	
Parker Intermediate	1310 N 6 th	McAlester	34.942337	-95.755781	N	
School		a.				
Will Rogers	1200 East	McAlester	34.916364	-95.757352	N	
Elementary School	South St					
Puterbaugh Middle	1100 East	McAlester	34.916156	-95.758893	N	
School	South St					
McAlester High	1 Buffalo	McAlester	34.936773	-95.741124	N	
School	Drive					
Quinton Public	210 J St	Quinton	35.884490	-95.367165	N	
School						

Crowder Public	400 Bond	Crowder	35.123704	-95.669680	N
School	Street				
Haileyville Public	205 Riley	Haileyville	34.851672	-95.579524	N
School		,			
Canadian Public	Belt	Canadian	N35 10.3286	W95 39.3934	N
School	St/Rogers Rd				
Hartshorne Public	821 Arapahoe	Hartshorne	34.849656	-95.557436	Y
School Elementary					
Hartshorne Junior	913 Modoc	Hartshorne			N
High School					
Hartshorne High	520 South 5 th	Hartshorne	34.842696	-95.567289	Y
School					
Krebs Public School	20 SW Fifth	Krebs	34.927379	-95.7065417	Y
	St				
Frink-Chambers	485 Frink	McAlester	34.877558	-95.789215	N
Public Schools	Road		:		
Frink-Chambers Gym	567 Frink	McAlester	34.876537	-95.788966	N
	Road				
Tannehill Public	9283	McAlester	35.002824	-95.844201	N
Schools	Tannehill		3		
	Road				
Haywood Public	11461 W	McAlester	34.884490	-95.947513	N
Schools	State Hwy 31				
Savanna Public	9567 South	Savanna	34.838141	-95.835140	N
Schools	UD Hwy 69				
Pittsburg Public	301 W Grand	Pittsburg	34.11417	-95.85366	N
Schools					
Indianola Public	900 Hwy 113	Indianola	35.159340	-95.772318	N
Schools	South	9			

Kiowa Public	406 East 8th	Kiowa	34.7176	-95.8950	N
Schools					
Carlton Landing	10 Boulevard	Carlton	N 35-12-	-95-32-41.64	N
Academy	Unit A	Landing	11.79		

APPENDIX B: FLOOD DEPTH MAPS

Figure B-42



Comments: Depicts estimated water depths above land surface during a 1% annual chance storm event (a storm that has a 1/100 chance of occurring in any calendar year).

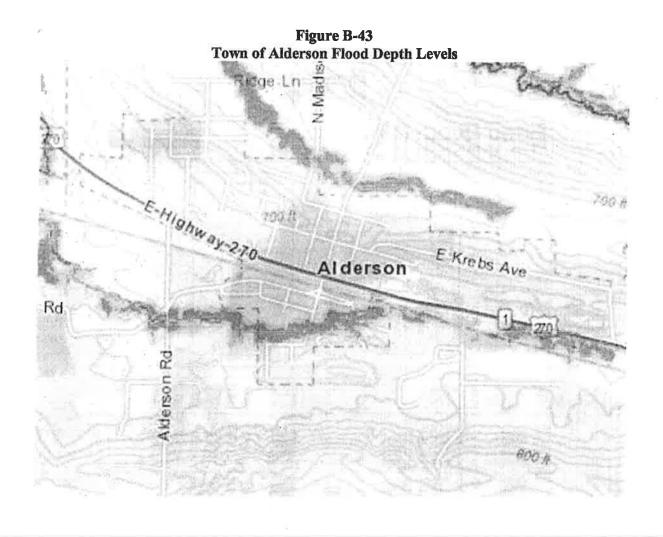
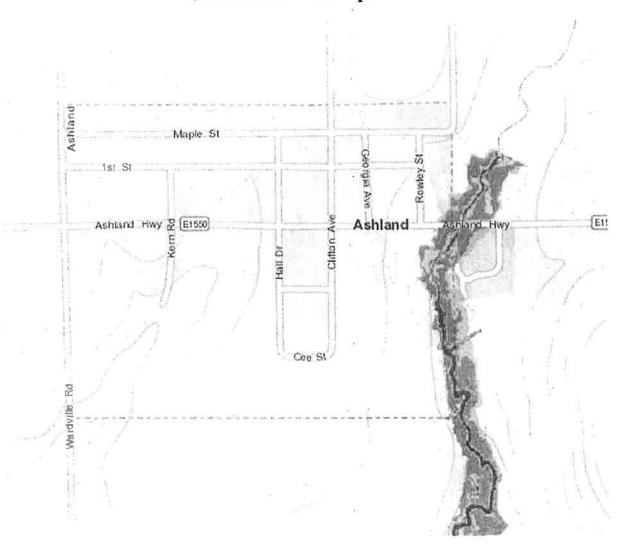


Figure B-44
Town of Ashland Flood Depth Levels



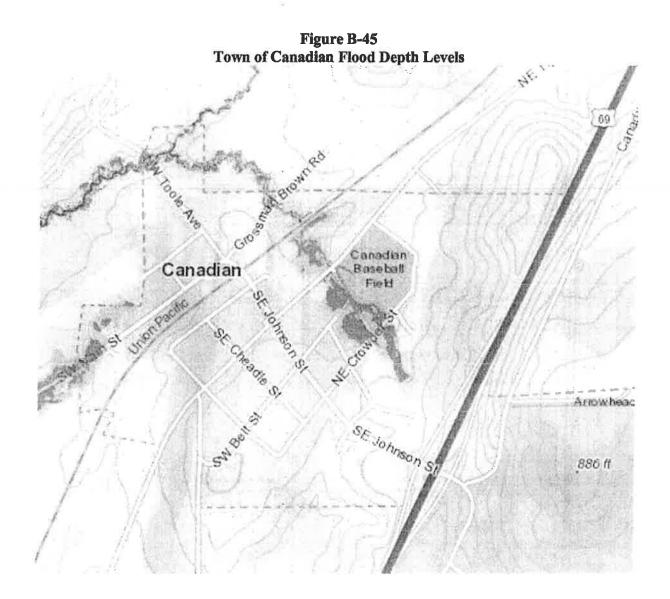
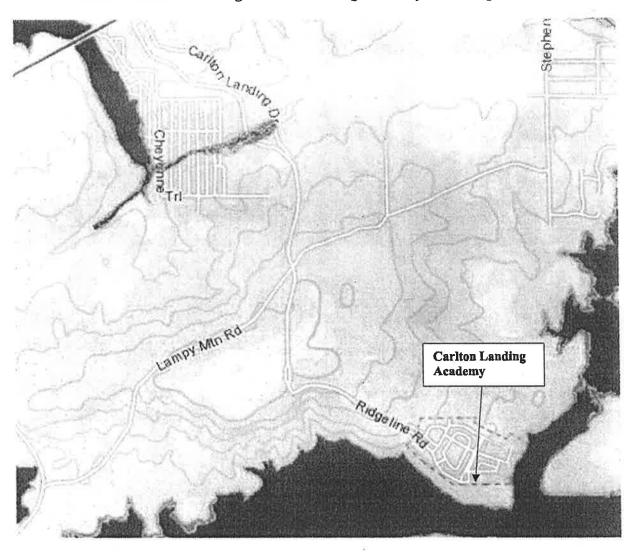
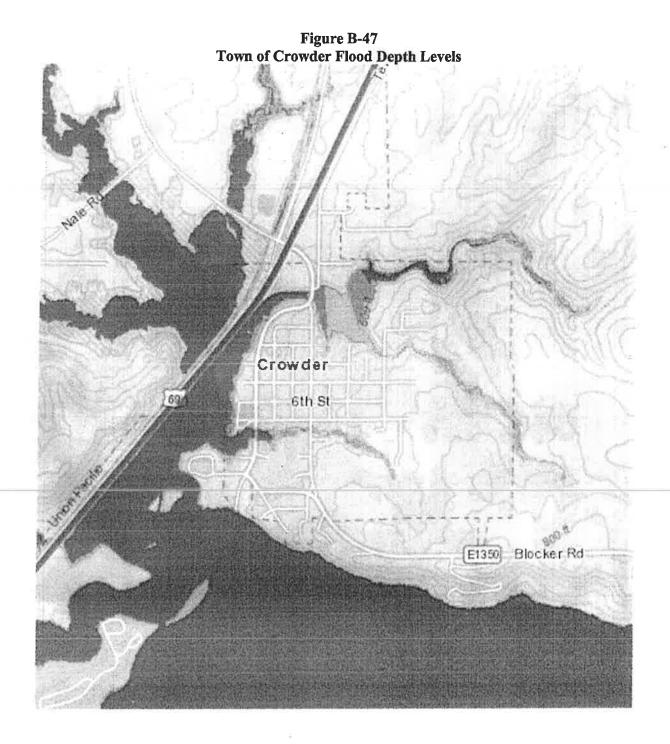
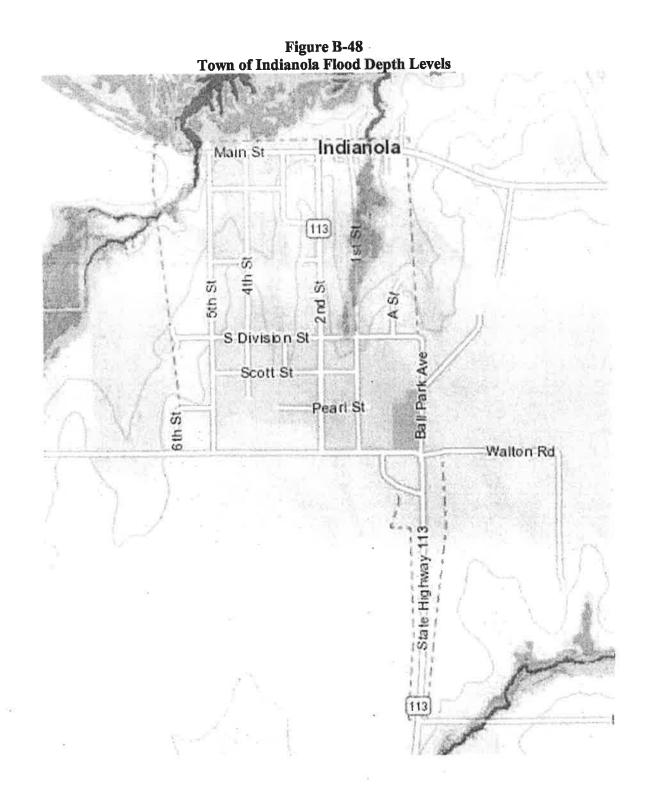


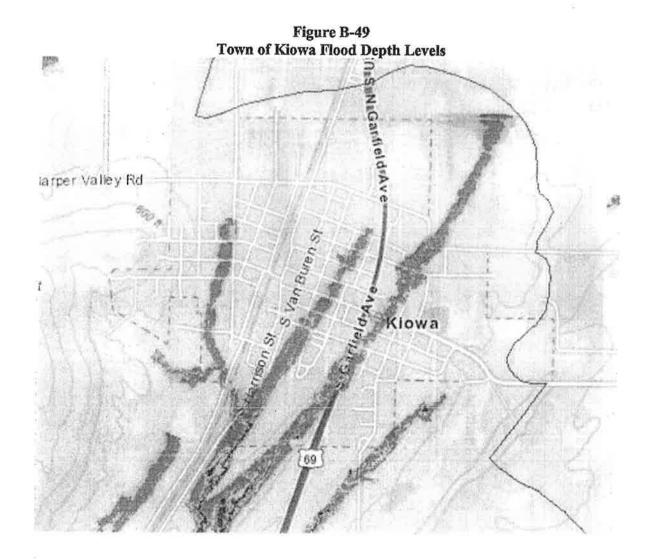
Figure B-46
Town of Carlton Landing/Carlton Landing Academy Flood Depth Levels



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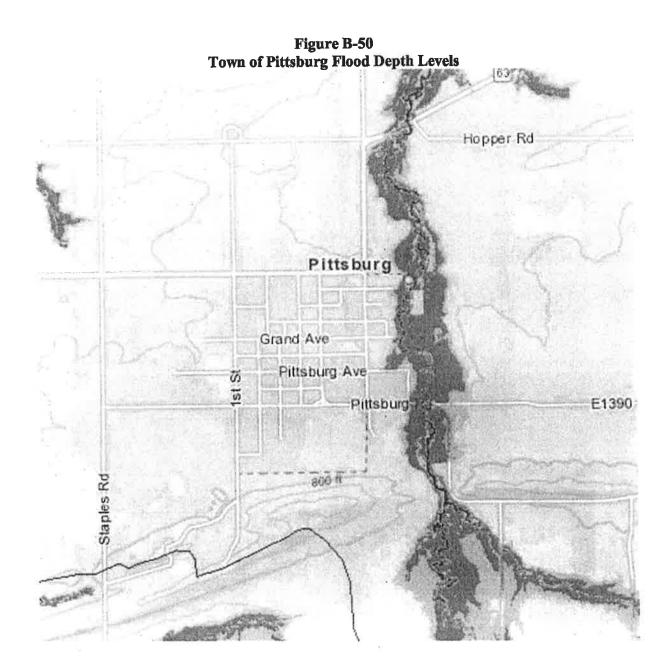
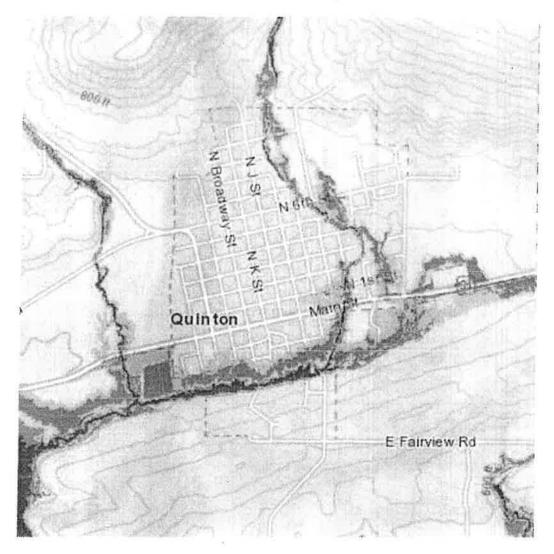


Figure B-51
Town of Quinton Flood Depth Levels



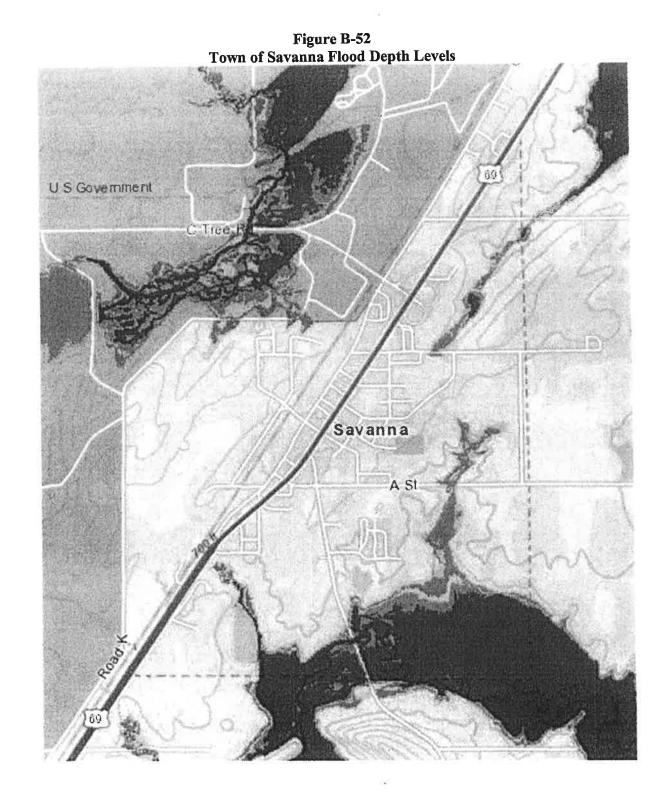




Figure B-53
City off Haileyville Flood Depth Levels

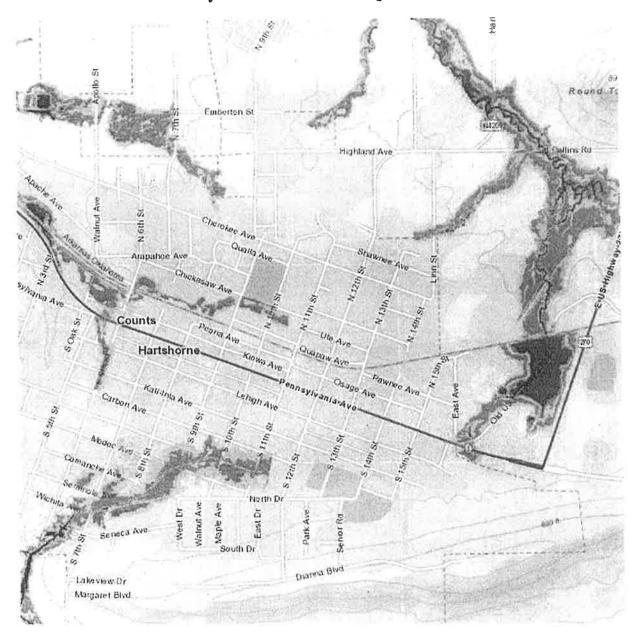
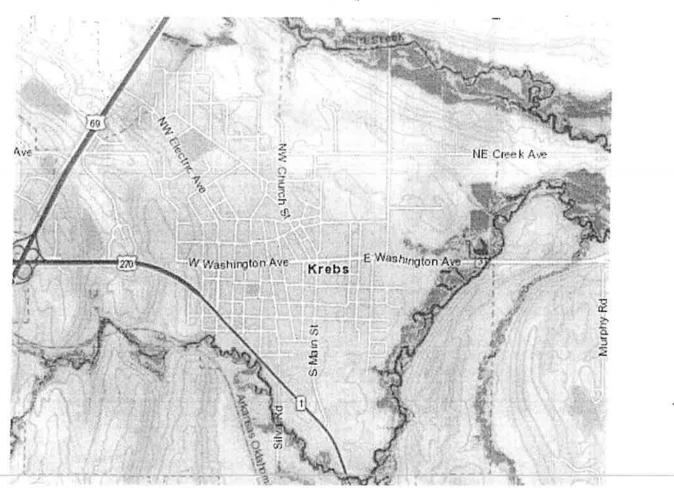


Figure B-54 City of Hartshorne Flood Depth Levels

Figure B-55
City of Krebs Flood Depth Levels



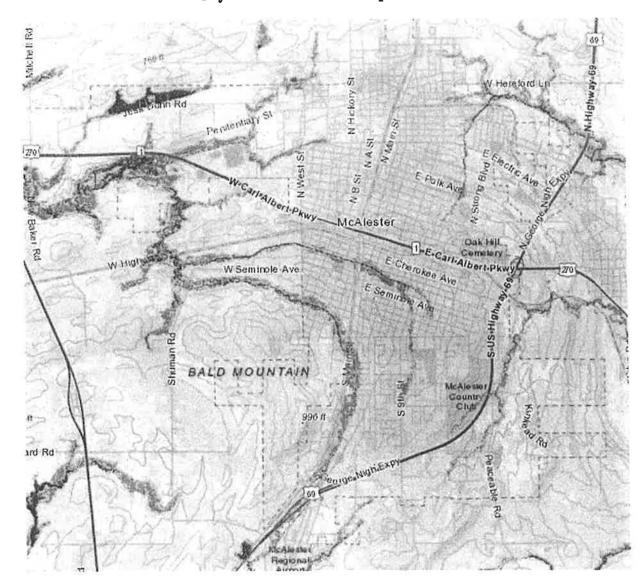
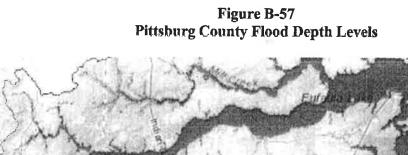
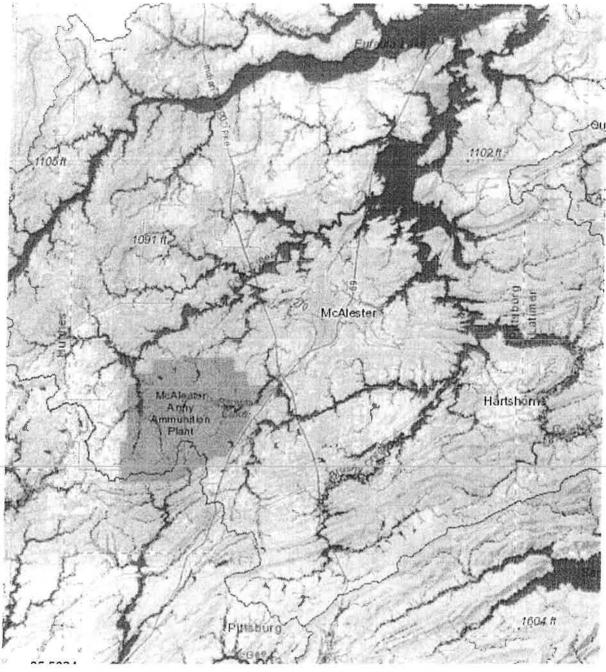
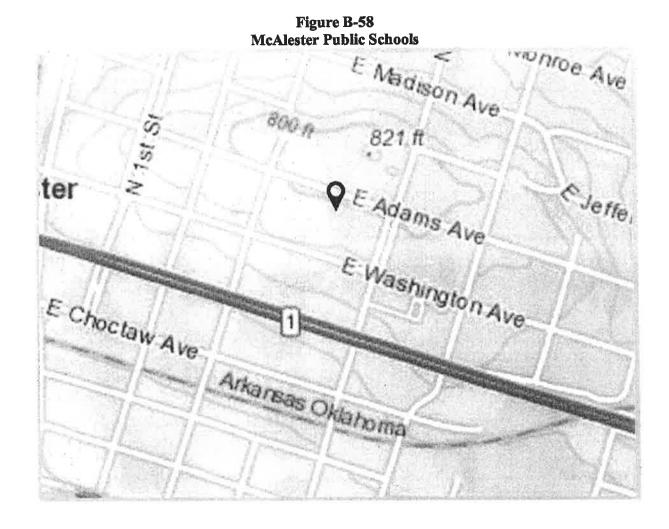
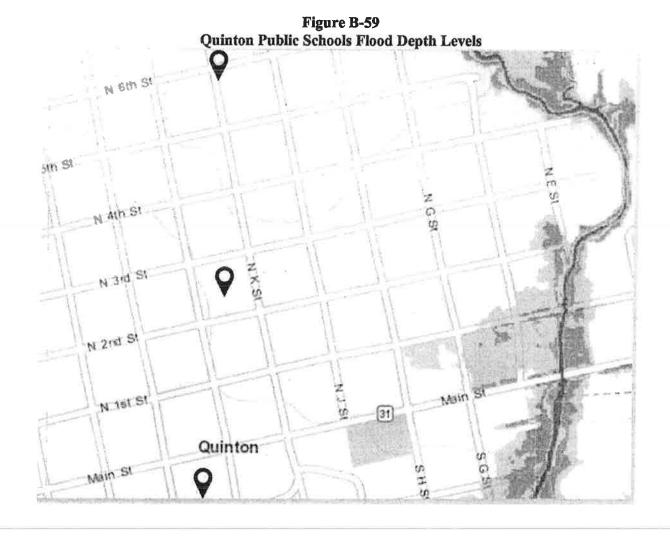


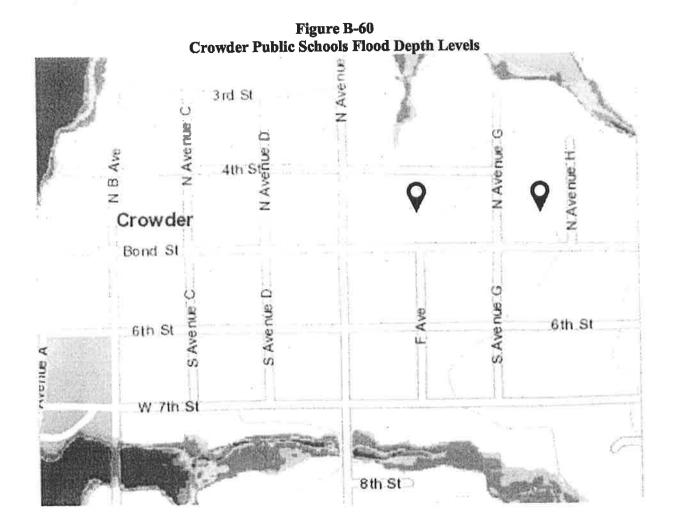
Figure B-56
City of McAlester Flood Depth Levels

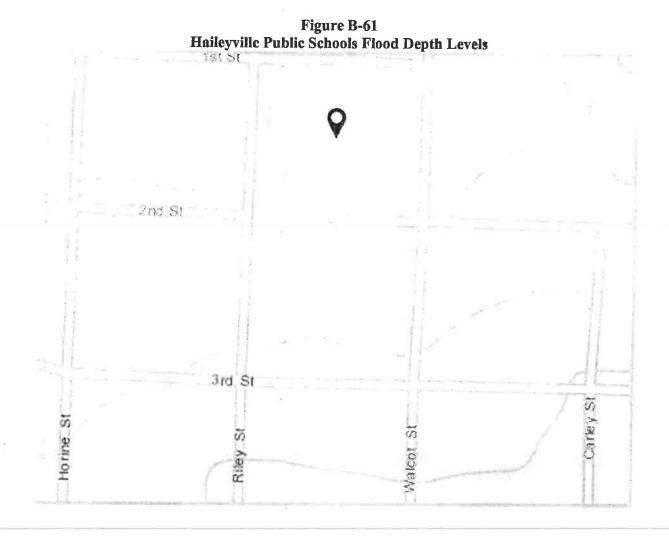












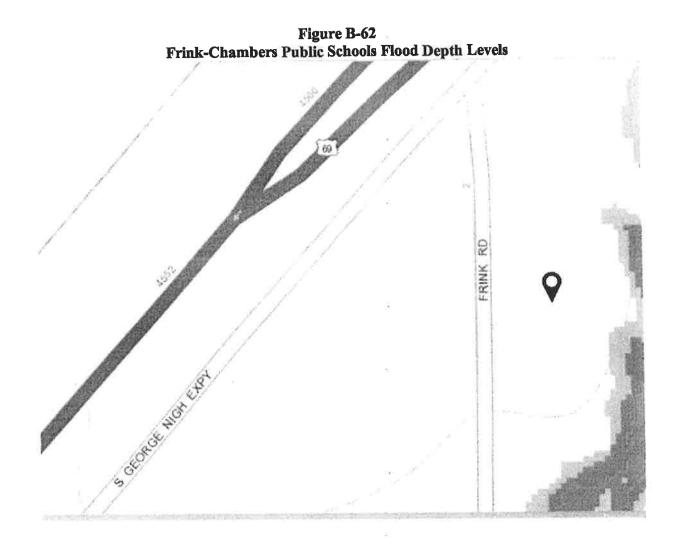


Figure B-63
Tannehill Public Schools Flood Depth Levels



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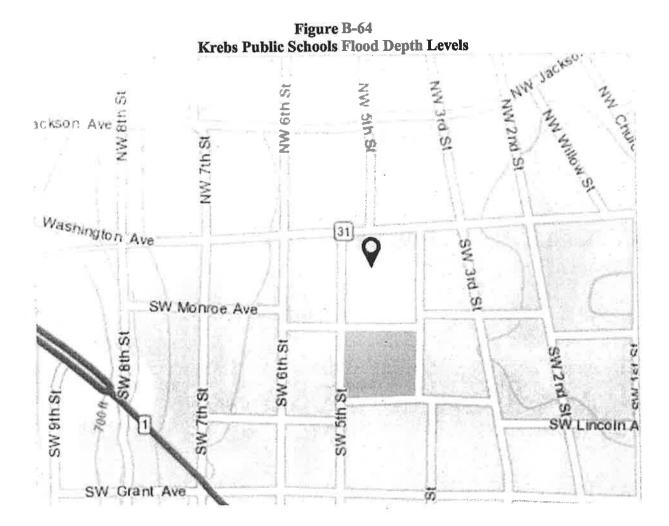
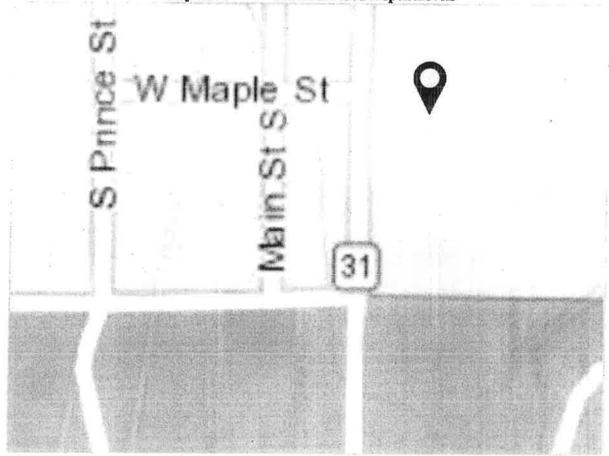
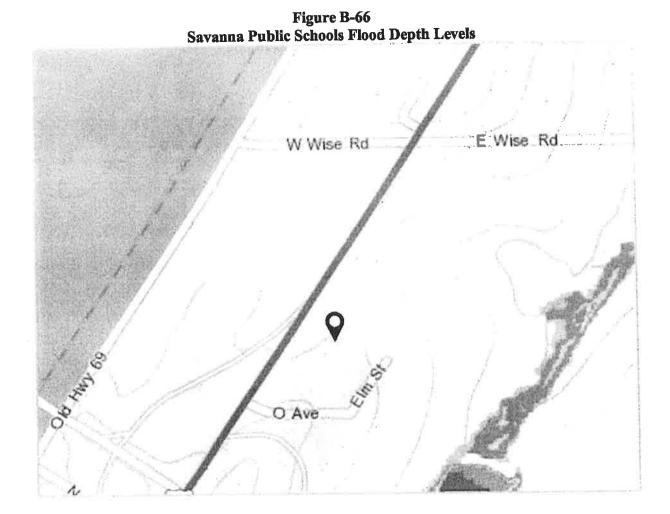


Figure B-65
Haywood Public Schools Flood Depth Levels





Canadian Public Schools Flood Depth Levels

Canadian

Canadian

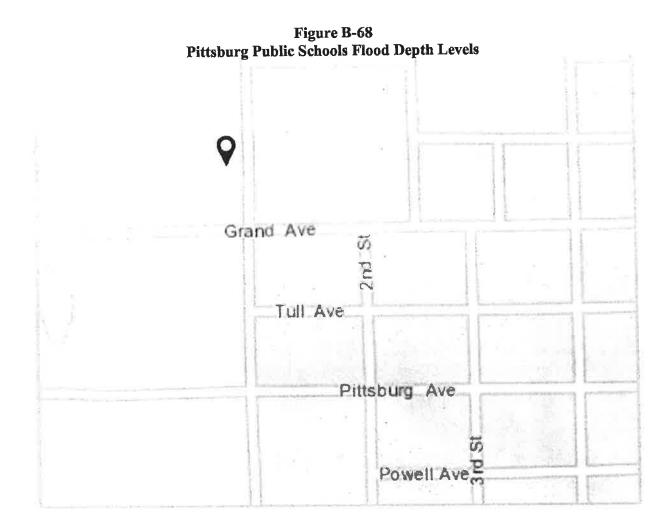
Base ball

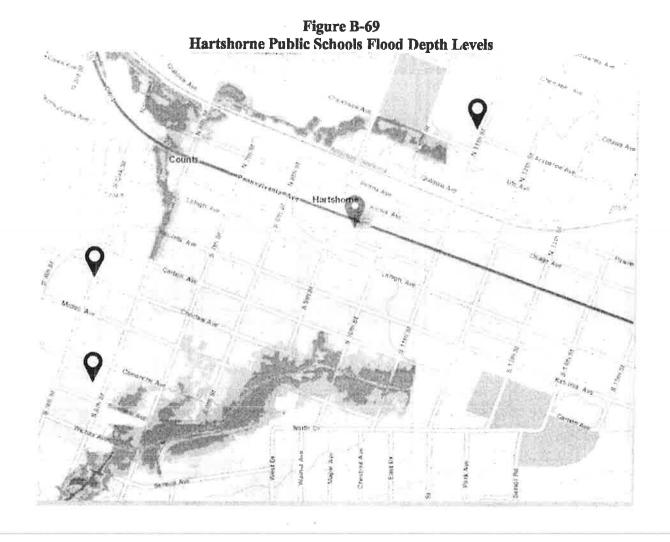
Field

Quantity

Quan

317





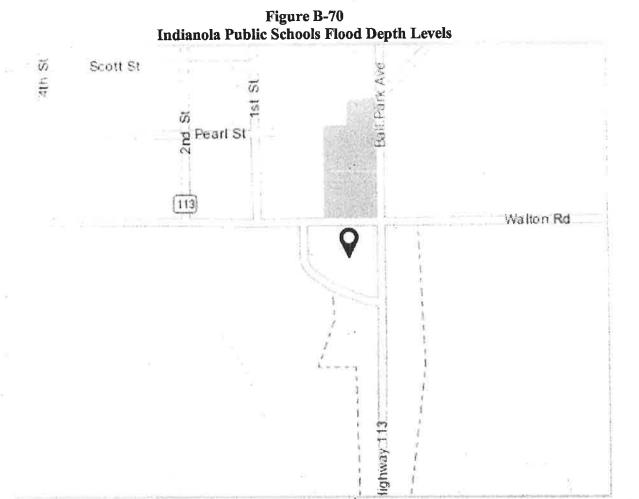


Figure B-71 Kiowa Public Schools Flood Depth Levels

