

## **Northern Piedmont Regional Hazard Mitigation Plan - Base Plan 2**

### Sections 7-10

Section 7 -	Capability Assessment
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# SECTION 7

## CAPABILITY ASSESSMENT

This section of the plan discusses the capability of communities in the Northern Piedmont Region to implement hazard mitigation activities. It consists of the following four subsections:

- 7.1 What is a Capability Assessment?
- 7.2 Conducting the Capability Assessment
- 7.3 Capability Assessment Findings
- 7.4 Conclusions on Local Capability

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### 7.1 WHAT IS A CAPABILITY ASSESSMENT?

The purpose of the capability assessment is to determine the ability of a local jurisdiction to implement a comprehensive mitigation strategy and to identify potential opportunities for establishing or enhancing specific mitigation policies, programs, or projects.<sup>1</sup> As in any planning process, it is important to try to establish feasible goals, objectives, and/or actions based on an understanding of the organization's capacity (agencies and/or departments) to implement the proposed strategies. The capability assessment helps determine practical mitigation actions that are likely to be implemented over time, given a local government's planning and regulatory framework, level of administrative and technical support, amount of fiscal resources, and current political climate.

A capability assessment has two primary components: 1) an inventory of a local jurisdiction's relevant plans, ordinances, or programs already in place and 2) an analysis of its capacity to implement mitigation measures. Careful examination of local capabilities helps identify existing gaps, shortfalls, or weaknesses with ongoing government activities that potentially hinder proposed mitigation activities and possibly exacerbate community hazard vulnerability. A capability assessment acknowledges the existing mitigation measures (completed or underway) at the local government level, which should be leveraged and enhanced through future mitigation efforts.

The capability assessment completed for the Northern Piedmont Region serves as a critical planning step and an integral part of the foundation for designing an effective hazard mitigation strategy. Coupled with the risk assessment, the capability assessment helps identify and target meaningful mitigation actions for incorporation in the Mitigation Strategy portion of the Hazard Mitigation Plan. This helps establish the goals and objectives for the region to pursue under this Plan and ensures that such goals and objectives are feasible under given local conditions.

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<sup>1</sup> While the Final Rule for implementing the Disaster Mitigation Act of 2000 does not require a local capability assessment to be completed for local hazard mitigation plans, it is a critical step in developing a mitigation strategy that meets the needs of the region while taking into account their own unique abilities. The Rule does state that a community's mitigation strategy should be "based on existing authorities, policies, programs and resources, and its ability to expand on and improve these existing tools" (44 CFR, Part 201.6(c)(3)).

## **7.2 CONDUCTING THE CAPABILITY ASSESSMENT**

To facilitate the inventory and analysis of local government capabilities within Caswell, Davie, Forsyth, Rockingham, Stokes, Surry, and Yadkin counties, a detailed capability assessment was completed for each of the participating jurisdictions based on the information found in existing hazard mitigation plans and local government websites. The assessment compiled information on various “capability indicators” including relevant planning regulatory practices (plans, programs, and ordinances), fiscal resources, administrative and technical capacity, and current political climate. These capability indicators provide insight into existing conditions that support and/or hinder the region’s ability to implement hazard mitigation actions.

The standardized indicators used to assess capability promote an extensive inventory of existing local plans, ordinances, programs, and resources that are in place or underway in addition to their overall effect on hazard loss reduction. Additionally, this information can help identify gaps, weaknesses, or conflicts that counties and local jurisdictions can be addressed through newly proposed mitigation actions as part of the hazard mitigation strategy.

The information collected for the capability assessment was incorporated into a database for further analysis. A general scoring methodology was then applied to quantify each jurisdiction’s overall capability. According to the scoring system, each capability indicator was assigned a point value based on its relevance to hazard mitigation. The scoring methodology is included in Appendix B: Planning Tools. Using this scoring methodology, a total score<sup>2</sup> and an overall capability rating of “high,” “moderate,” or “limited” could be determined according to the total number of points received. These classifications are designed to provide a general assessment of local government capability. The results of this capability assessment help inform and the development of an effective and practical mitigation strategy.

## **7.3 CAPABILITY ASSESSMENT FINDINGS**

The findings of the capability assessment are summarized in this Plan to provide insight into the relevant capacity of the participating jurisdictions in the Northern Piedmont Region to implement hazard mitigation activities. All information is based upon the review of existing hazard mitigation plans and local government websites and input provided by local government officials during meetings of the Northern Piedmont Regional Hazard Mitigation Planning Team.

### **7.3.1 Planning and Regulatory Capability**

Planning and regulatory capability is based on the successful enforcement and implementation of plans, ordinances, and programs that are intended to guide and manage growth, development, and redevelopment in a responsible manner while maintaining the general welfare of the community. It includes emergency response and mitigation planning, comprehensive land use planning, and transportation planning; the enforcement of zoning or subdivision ordinances and building codes that regulate how land is developed and structures are built; as well as protecting environmental, historic, and cultural resources in the community. These planning initiatives generally present significant opportunities to integrate hazard mitigation principles and practices into the local decision-making process.

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<sup>2</sup> The scoring methodology used to quantify and rank the region’s capability can be found in Appendix B.

This assessment is designed to provide a general overview of the key planning and regulatory tools and programs in place or underway for the participating jurisdictions in the Northern Piedmont Region and highlight the potential effect on loss reduction. This information helps identify opportunities to address existing gaps, weaknesses, or conflicts with other initiatives in addition to integrating the implementation of this Plan with existing planning mechanisms where appropriate.

**Table 7.1** provides a summary of the relevant local plans, ordinances, and programs already in place or under development for the jurisdictions in the Northern Piedmont Region. A checkmark (✓) indicates that the given item is currently in place and being implemented. An asterisk (\*) indicates that the given item is currently being developed for future implementation. Each of these local plans, ordinances, and programs should be considered available mechanisms for incorporating the requirements of the Northern Piedmont Regional Hazard Mitigation Plan.

**TABLE 7.1: RELEVANT PLANS, ORDINANCES, AND PROGRAMS**

Planning / Regulatory Tool	CASWELL COUNTY			DAVIE COUNTY			FORSYTH COUNTY			ROCKINGHAM COUNTY							STOKES COUNTY										SURREY COUNTY			YADKIN COUNTY		
	Milton	Yanceyville		Bermuda Run	Cooleemee	Mocksville	Bethania	Clemmons	Kernersville	Lewisville	Rural Hall	Tobaccoville	Walkertown	Winston-Salem	Eden	Madison	Mayodan	Reidsville	Stoneville	Wentworth	Danbury	King	Walnut Cove	Dobson	Elkin	Mount Airy	Pilot Mountain	Boonville	East Bend	Jonesville	Yadkinville	
Hazard Mitigation Plan	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Comprehensive Land Use Plan	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floodplain Management Plan																																
Open Space Management Plan (Parks & Rec/Greenway Plan)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Stormwater Management Plan/Ordinance				✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓								✓						
Natural Resource Protection Plan																																
Flood Response Plan																																
Emergency Operations Plan	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Continuity of Operations Plan				✓			✓	✓			✓	✓									✓		✓									
Evacuation Plan																																
Disaster Recovery Plan																																
Capital Improvements Plan	✓		✓	✓		✓	✓		✓	✓	✓			✓	✓	✓	*	✓			✓		✓	✓	✓		✓	✓				✓

Planning / Regulatory Tool	CASWELL COUNTY			DAVIE COUNTY			FORSYTH COUNTY			ROCKINGHAM COUNTY			STOKES COUNTY			SURREY COUNTY			YADKIN COUNTY															
	Milton	Yanceville		Bermuda Run	Cooleemee	Mocksville	Bethania	Clemmons	Kernersville	Lewisville	Rural Hall	Tobaccoville	Walkertown	Winston-Salem	Eden	Madison	Mayodan	Reidsville	Stoneville	Wentworth	Danbury	King	Walnut Cove	Dobson	Elkin	Mount Airy	Pilot Mountain	Boonville	East Bend	Jonesville	Yadkinville			
Economic Development Plan	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Historic Preservation Plan																																		
Flood Damage Prevention Ordinance	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓		✓	✓			
Zoning Ordinance	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Subdivision Ordinance	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓		
Unified Development Ordinance	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓								✓								
Post-Disaster Redevelopment Ordinance																																		
Building Code	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Fire Code	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
National Flood Insurance Program (NFIP)	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓			✓	✓		
NFIP Community Rating System							✓							✓																				

A more detailed discussion on the region's planning and regulatory capability follows.

### 7.3.2 Emergency Management

Hazard mitigation is widely recognized as one of the four primary phases of emergency management. The three other phases include preparedness, response, and recovery. Each phase is interconnected with hazard mitigation, as **Figure 7.1** suggests. Opportunities to reduce potential losses through mitigation practices are most often implemented before disaster strikes, such as the elevation of flood prone structures or the continuous enforcement of policies that prevent and regulate development that is vulnerable to hazards due to its location, design, or other characteristics. Mitigation opportunities can be presented during immediate preparedness or response activities, such as installing storm shutters in advance of a hurricane, and during the long-term recovery and redevelopment process following a hazard event.

**FIGURE 7.1: THE FOUR PHASES OF EMERGENCY MANAGEMENT**

Planning for each phase is a critical part of a comprehensive emergency management program and is crucial for the successful implementation of hazard mitigation actions. As a result, the capability indicators reviewed a range of emergency management plans in order to assess the Northern Piedmont Region's willingness to plan as well as the level of technical planning proficiency.

**Hazard Mitigation Plan:** A hazard mitigation plan represents a community's blueprint for how it intends to reduce the impact of natural and human-caused hazards on people and the built environment. The essential elements of a hazard mitigation plan include a risk assessment, capability assessment, and mitigation strategy.

- Each of the seven counties participating in this multi-jurisdictional plan has previously adopted a hazard mitigation plan. Each participating municipality was included in their respective county's plan.

**Disaster Recovery Plan:** A disaster recovery plan serves to guide the physical, social, environmental, and economic recovery and reconstruction process following a disaster. In many instances, hazard mitigation principles and practices are incorporated into local disaster recovery plans with the intent of capitalizing on opportunities to break the cycle of repetitive disaster losses. Disaster recovery plans can also lead to the preparation of disaster redevelopment policies and ordinances to be enacted following a hazard event.

- None of the counties or municipalities participating in this multi-jurisdictional plan have adopted a disaster recovery plan. They should consider developing a plan to guide the recovery and reconstruction process following a disaster.

**Emergency Operations Plan:** An emergency operations plan outlines responsibilities and how resources are deployed during and following an emergency or disaster.

- Caswell, Davie, Forsyth, Rockingham, Stokes, Surry, and Yadkin Counties each maintain emergency operations plans through their respective Emergency Management Departments. Each participating municipality is included in their respective county's emergency operations plan.

- The Village of Clemmons, City of Winston-Salem, and the Town of Elkin also each maintain a municipal-level emergency operations plan.

**Continuity of Operations Plan:** A continuity of operations plan establishes a chain of command, line of succession, and plans for backup or alternate emergency facilities in case of an extreme emergency or disaster event.

- Stokes County Emergency Management and Surry County Emergency Services have each developed a county continuity of operations plan.
- Davie County Health Department and Forsyth County Public Health have also developed continuity of operations plans.

### 7.3.3 General Planning

The implementation of hazard mitigation activities often involves agencies and individuals beyond the emergency management profession. Stakeholders may include local planners, public works officials, economic development specialists, and others. In many instances, concurrent local planning efforts will help to achieve or complement hazard mitigation goals. Therefore, the capability assessment also included questions pertaining to general planning capabilities and the degree to which hazard mitigation is integrated into other on-going planning efforts in the Northern Piedmont Region.

**Comprehensive Land Use Plan:** A comprehensive land use plan establishes the overall vision for what a community wants to be and serves as a guide for future governmental decision making. Typically, a comprehensive plan contains sections on demographic conditions, land use, transportation elements, and community facilities. Given the broad nature of the plan and its regulatory standing in many communities, the integration of hazard mitigation measures into the comprehensive plan can enhance the likelihood of achieving risk reduction goals, objectives, and actions.

- Each of the seven participating counties has adopted a comprehensive land use plan. Several of the county plans cover participating municipalities, including Cooleemee and Bermuda Run in Davie County and all municipalities in Forsyth County.
- The following municipalities have each adopted a municipal-level land use plan: Milton, Yanceyville, Mocksville, Clemmons, Kernersville, Lewisville, Winston-Salem, Eden, Madison, Mayodan, Reidsville, Stoneville, Wentworth, Boonville, King, Dobson, Elkin, Mount Airy, Pilot Mountain, and Yadkinville.

**Capital Improvements Plan:** A capital improvements plan guides the scheduling of spending on public improvements. A capital improvements plan can serve as an important mechanism for guiding future development away from identified hazard areas. Limiting public spending in hazardous areas is one of the most effective long-term mitigation actions available to local governments.

- Each of the seven participating counties has a capital improvement plan in place.
- The following municipalities also have a capital improvements plan: Yanceyville, Mocksville, Clemmons, Kernersville, Lewisville, Winston-Salem, Eden, Reidsville, King, Walnut Cove, Elkin, Boonville, and Yadkinville.

**Historic Preservation Plan:** A historic preservation plan is intended to preserve historic structures or districts within a community. An often overlooked aspect of the historic preservation plan is the assessment of buildings and sites located in areas subject to natural hazards and the identification of ways to reduce future damages. This may involve retrofitting or relocation techniques that account for the need to protect buildings that do not meet current building standards or are within a historic district that cannot easily be relocated out of harm's way.

- None of the counties or municipalities participating in this multi-jurisdictional plan have a historic preservation plan.

**Zoning Ordinance:** Zoning represents the primary means by which land use is controlled by local governments. As part of a community's police power, zoning is used to protect the public health, safety, and welfare of those in each jurisdiction that maintains zoning authority. A zoning ordinance is the mechanism through which zoning is typically implemented. Since zoning regulations enable municipal governments to limit the type and density of development, a zoning ordinance can serve as a powerful tool when applied in identified hazard areas.

- Each of the seven participating counties has adopted a zoning ordinance. Caswell, Forsyth, and Rockingham Counties include zoning regulations as part of their unified development ordinance. The remaining counties have adopted stand-alone zoning ordinances.
- All participating municipalities have zoning ordinances in place, except East Bend. All municipalities in Forsyth County include zoning regulations as part of their unified development ordinance. The remaining municipalities have adopted stand-alone zoning ordinances.

**Subdivision Ordinance:** A subdivision ordinance is intended to regulate the development of residential, commercial, industrial, or other uses, including associated public infrastructure, as land is subdivided into buildable lots for sale or future development. Subdivision design that accounts for natural hazards can dramatically reduce the exposure of future development.

- Each of the seven participating counties has adopted subdivision regulations. Caswell, Forsyth, and Rockingham Counties include subdivision regulations as part of their local unified development ordinance. The remaining counties have adopted stand-alone subdivision ordinances.
- All participating municipalities have subdivision regulations in place, except Milton, Stoneville, Boonville, and East Bend. All the municipalities in Forsyth County include subdivision regulations as part of their local unified development ordinance. The remaining municipalities with subdivision regulations have adopted stand-alone subdivision ordinances.

**Building Codes, Permitting, and Inspections:** Building codes regulate construction standards. In many communities, permits and inspections are required for new construction. Decisions regarding the adoption of building codes (that account for hazard risk), the type of permitting process required both before and after a disaster, and the enforcement of inspection protocols all affect the level of hazard risk faced by a community.

- North Carolina has a state compulsory building code, which applies throughout the state; however, jurisdictions may adopt codes if approved as providing adequate minimum standards. All participating counties and municipalities have adopted a building code.



- Many of the counties provide building code enforcement for municipalities under interlocal agreement. These municipalities include, Milton, Yanceyville, Bermuda Run, Cooleemee, Mocksville, Mayodan, Stoneville, Wentworth, Danbury, Dobson, Elkin, Mount Airy, Pilot Mountain, Boonville, East Bend, Jonesville, and Yadkinville.
- Winston-Salem and Forsyth County have a joint city-county planning and development services agency that includes a building inspections division. The Inspections Division administers and enforces the state building code in Forsyth County and Winston-Salem as well as all of the other municipalities in the county except Kernersville.

The adoption and enforcement of building codes by local jurisdictions is routinely assessed through the Building Code Effectiveness Grading Schedule (BCEGS) program developed by the Insurance Services Office, Inc. (ISO).<sup>3</sup> In North Carolina, the North Carolina Department of Insurance assesses the building codes in effect in a particular community and how the community enforces its building codes *with special emphasis on mitigation of losses from natural hazards*. The results of BCEGS assessments are routinely provided to ISO's member private insurance companies, which in turn may offer ratings credits for new buildings constructed in communities with strong BCEGS classifications. The concept is that communities with well-enforced, up-to-date codes should experience fewer disaster-related losses and, as a result, should have lower insurance rates.

In conducting the assessment, ISO collects information related to personnel qualification and continuing education as well as the number of inspections performed per day. This type of information combined with local building codes is used to determine a grade for that jurisdiction. The grades range from 1 to 10 with a BCEGS grade of 1 representing exemplary commitment to building code enforcement and a grade of 10 indicating less than minimum recognized protection.

### 7.3.4 Floodplain Management

Flooding represents the greatest natural hazard facing the nation. Accordingly, advanced tools have been developed and are readily available to help reduce the impacts associated with flooding. These tools are among the most developed when compared to other hazard-specific mitigation techniques. In addition to approaches that cut across hazards such as education, outreach, and the training of local officials, the *National Flood Insurance Program* (NFIP) contains specific regulatory measures that enable government officials to determine where and how growth occurs relative to flood hazards. Participation in the NFIP is voluntary for local governments; however, program participation is strongly encouraged by FEMA as a first step to implement and sustain an effective hazard mitigation program. It is therefore used as part of this assessment as a key indicator for measuring local capability.

In order for a county or municipality to participate in the NFIP, they must adopt a local flood damage prevention ordinance that requires jurisdictions to follow established minimum building standards in the floodplain. These standards require that all new buildings and substantial improvements to existing buildings will be protected from damage by a 100-year flood event and that new development in the floodplain will not exacerbate existing flood problems or increase damage to other properties.

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<sup>3</sup> Participation in BCEGS is voluntary and may be declined by local governments if they do not wish to have their local building codes evaluated

A key service provided by the NFIP is the mapping of identified flood hazard areas. Once completed, the Flood Insurance Rate Maps (FIRMs) are used to assess flood hazard risk, regulate construction practices, and set flood insurance rates. FIRMs are an important source of information to educate residents, government officials, and the private sector about the likelihood of flooding in the community.

**Table 7.2** provides NFIP policy and claim information for each participating jurisdiction in the Northern Piedmont Region.

**TABLE 7.2: NFIP POLICY AND CLAIM INFORMATION**

Jurisdiction	Date Joined NFIP	Current Effective Map Date	NFIP Policies in Force	Insurance in Force	Closed Claims	Total Payments to Date
<b>CASWELL COUNTY†</b>	09/28/07	11/17/17	2	\$530,000	0	\$0
Milton*	--	--	--	--	--	--
Yanceyville	09/28/07	09/28/07	0	\$0	0	\$0
<b>DAVIE COUNTY†</b>	03/21/80	06/16/09	26	\$7,607,000	5	\$27,597
Bermuda Run	01/22/09	06/16/09	31	\$8,786,000	4	\$119,251
Cooleemee	10/01/10	06/16/09	0	\$0	0	\$0
Mocksville	09/17/08	06/16/09	6	\$1,753,000	0	\$0
<b>FORSYTH COUNTY†</b>	09/01/72	08/18/09	117	\$35,975,000	64	\$736,409
Bethania	04/24/02	08/18/09	1	\$699,000	0	\$0
Clemmons	06/27/00	08/18/09	50	\$14,115,000	5	\$62,218
Kernersville	06/27/00	08/18/09	33	\$9,553,000	4	\$136,347
Lewisville	09/28/09	08/18/09	16	\$4,891,000	5	\$28,094
Rural Hall	04/25/02	08/18/09	1	\$191,000	0	\$0
Tobaccoville	08/13/02	08/18/09	1	\$145,000	0	\$0
Walkertown	09/24/02	08/18/09	4	\$1,330,000	0	\$0
Winston-Salem	08/31/73	08/18/09	405	\$118,813,000	195	\$2,617,595
<b>ROCKINGHAM COUNTY†</b>	05/15/91	01/02/09	22	\$5,131,000	10	\$118,942
Eden	01/05/78	01/02/09	27	\$5,431,000	39	\$375,227
Madison	11/16/77	01/02/09	6	\$1,922,000	18	\$163,187
Mayodan	07/18/77	01/02/09	5	\$1,691,000	8	\$295,063

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Jurisdiction	Date Joined NFIP	Current Effective Map Date	NFIP Policies in Force	Insurance in Force	Closed Claims	Total Payments to Date
Reidsville	09/29/78	09/28/07	16	\$4,236,000	5	\$10,804
Stoneville	07/03/07	01/02/09	0	\$0	0	\$0
Wentworth	10/01/10	01/02/09	1	\$350,000	0	\$0
<b>STOKES COUNTY†</b>	09/30/88	08/18/09	13	\$3,225,000	8	\$185,099
Danbury	07/16/87	08/18/09	0	\$0	1	\$3,828
King	07/04/89	08/18/09	10	\$2,264,000	0	\$0
Walnut Cove	06/03/86	08/18/09	0	\$0	1	\$6,669
<b>SURRY COUNTY†</b>	12/01/81	11/18/16	4	\$1,350,000	17	\$355,747
Dobson*	--	--	--	--	--	--
Elkin	08/15/78	12/03/09	7	\$2,350,000	1	\$3,582
Mount Airy	12/01/81	11/18/16	23	\$7,219,000	38	\$811,245
Pilot Mountain	04/10/19	08/18/09	1	\$134,000	0	\$0
<b>YADKIN COUNTY†</b>	06/22/05	08/18/09	7	\$1,863,000	1	\$2,110
Boonville*	--	--	--	--	--	--
East Bend*	--	--	--	--	--	--
Jonesville	07/01/87	08/18/09	4	\$989,000	0	\$0
Yadkinville	01/07/11	08/18/09	0	\$0	0	\$0

†Includes unincorporated areas of county only

\*Community does not participate in the NFIP

Source: NFIP Community Status information as of May 2025; NFIP claims and policy information as of November 2024.

All jurisdictions listed above that are participants in the NFIP will continue to comply with all required provisions of the program and will work to adequately comply in the future utilizing several strategies. For example, the jurisdictions will coordinate with NCEM and FEMA to develop maps and regulations related to special flood hazard areas within their jurisdictional boundaries and, through a consistent monitoring process, will design and improve their floodplain management program in a way that reduces the risk of flooding to people and property.

The Towns of Dobson, Pilot Mountain, Boonville, and East Bend do not participate in the NFIP because they have no land area (or a very small amount of land area) currently located within the floodplain. The Town of Milton does not participate in the NFIP due to lack of available funding and political support.

**Community Rating System:** An additional indicator of floodplain management capability is the active participation of local jurisdictions in the Community Rating System (CRS). The CRS is an incentive-based program that encourages counties and municipalities to undertake defined flood mitigation activities that go beyond the minimum requirements of the NFIP by adding extra local measures to provide protection from flooding. All of the 18 creditable CRS mitigation activities are assigned a range of point values. As points are accumulated and reach identified thresholds, communities can apply for an improved CRS class rating. Class ratings, which range from 10 to 1, are tied to flood insurance premium reductions as shown in **Table 7.3**. As class rating improves (the lower the number the better), the percent reduction in flood insurance premiums for NFIP policyholders in that community increases.

**TABLE 7.3: CRS PREMIUM DISCOUNTS, BY CLASS**

CRS Class	Premium Reduction
1	45%
2	40%
3	35%
4	30%
5	25%
6	20%
7	15%
8	10%
9	5%
10	0

Source: FEMA

Community participation in the CRS is voluntary. Any community that is in full compliance with the rules and regulations of the NFIP may apply to FEMA for a CRS classification better than class 10. The CRS application process has been greatly simplified over the past several years based on community comments. Changes were made with the intent of making the CRS more user-friendly and make extensive technical assistance available for communities who request it.

- Forsyth County (Class 8) and the City of Winston-Salem (Class 8) are the only two jurisdictions that currently participate in the CRS. Participation in the CRS program should be considered as a mitigation action by the other counties and municipalities. The program would be most beneficial to Davie County, the Town of Kernersville, and the City of Mount Airy, which have 56, 37, and 38 NFIP policies, respectively.

**Flood Damage Prevention Ordinance:** A flood damage prevention ordinance establishes minimum building standards in the floodplain with the intent to minimize public and private losses due to flood conditions.

- All communities participating in the NFIP are required to adopt a local flood damage prevention ordinance. All counties and municipalities participating in this hazard mitigation plan, except for Milton, Dobson, Boonville, and East Bend, also participate in the NFIP and they all have adopted flood damage prevention regulations.

**Floodplain Management Plan:** A floodplain management plan (or a flood mitigation plan) provides a framework for action regarding corrective and preventative measures to reduce flood-related impacts.

- None of the counties or municipalities participating in this multi-jurisdictional plan have adopted floodplain management plans.

**Open Space Management Plan:** An open space management plan is designed to preserve, protect, and restore largely undeveloped lands in their natural state and to expand or connect areas in the public domain such as parks, greenways, and other outdoor recreation areas. In many instances, open space management practices are consistent with the goals of reducing hazard losses, such as the preservation of wetlands or other flood-prone areas in their natural state in perpetuity.

- Each of the participating counties has participated in the development of the Piedmont Triad Regional Open Space Strategy which identifies a wide variety of key conservation opportunities across the region as well as a strategy meant to serve as the foundation for future conservation planning efforts within each county.
- Several counties and municipalities have developed jurisdiction-level parks, recreation, open space, and/or greenway master plans, including Davie County, Mocksville, Forsyth County, Kernersville, Lewisville, Winston-Salem, Rockingham County, Madison, Mayodan, Reidsville, Stokes County, King, Walnut Cove, Surry County, Dobson, Elkin, Mount Airy, and Yadkin County.

**Stormwater Management Plan:** A stormwater management plan is designed to address flooding associated with stormwater runoff. The stormwater management plan is typically focused on design and construction measures that are intended to reduce the impact of more frequently occurring minor urban flooding.

- Although none of the participating counties or municipalities have stormwater management plans in place, the following jurisdictions have adopted stormwater management regulations through local unified development or stormwater ordinances: Forsyth County, Bermuda Run, Bethania, Clemmons, Kernersville, Lewisville, Rural Hall, Tobaccoville, Walkertown, Winston-Salem, Mount Airy, Eden, and Reidsville.
- Many of the other participating jurisdictions have adopted stormwater regulations through various local ordinances (such as a zoning or subdivision ordinance), including Caswell County, Davie County, Bermuda Run, Cooleemee, Mocksville, Rockingham County, Madison, Stokes County, Danbury, King, Walnut Cove, Dobson, Pilot Mountain, Yadkin County, Jonesville, and Yadkinville.

**Substantial Damage Estimate Procedures:** Properties in communities the Northern Piedmont Region that participate in the NFIP that are determined to be “substantially damaged” following a flood event must be brought into compliance with the local flood damage prevention ordinance.

Floodplain management and substantial damage estimating procedures for participating jurisdictions are detailed below in **Table 7.4**.

**TABLE 7.4: CRS PREMIUM DISCOUNTS, BY CLASS**

Jurisdiction	Local Floodplain Management Regulations	Designated Officials for SD/SI Determinations	Process Used to Make SD/SI Determinations	Communication Procedures for SD/SI Requirements
<b>CASWELL COUNTY</b>	The County maintains a county-wide Flood Damage Prevention Ordinance.	The County UDO Administrator is designated as the Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between Caswell County Emergency Management, Police and Fire Departments, Permitting Departments and all jurisdictions within the County that participate in the NFIP.</p> <p>Following a flood event, County Emergency Management staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by County staff and compliance with building codes and flood prevention ordinance required.
Milton*	--	--	--	--
Yanceyville	The Town participates in the NFIP.	Determination of substantial damage is a coordinated effort between relevant Town staff and Caswell County Emergency Management, Police and Fire Departments, Permitting Departments.	<p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.

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Jurisdiction	Local Floodplain Management Regulations	Designated Officials for SD/SI Determinations	Process Used to Make SD/SI Determinations	Communication Procedures for SD/SI Requirements
			This process involves comparing the damage assessment information with permit applications.	
<b>DAVIE COUNTY</b>	The County maintains a county-wide Flood Damage Prevention Ordinance.	The County Director of Development Services is designated as the Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between Davie County Emergency Management, Police and Fire Departments, Permitting Departments and all jurisdictions within the County that participate in the NFIP.</p> <p>Following a flood event, County Emergency Management staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by County staff and compliance with building codes and flood prevention ordinance required.
<b>Bermuda Run</b>	The Town maintains a town-wide Flood Damage Prevention Ordinance.	Determination of substantial damage is a coordinated effort between relevant Town staff and Davie County Emergency Management, Police and Fire Departments, Permitting Departments.	<p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-</li> </ol>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.

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Jurisdiction	Local Floodplain Management Regulations	Designated Officials for SD/SI Determinations	Process Used to Make SD/SI Determinations	Communication Procedures for SD/SI Requirements
			<p>damaged condition, or combined, vs. market value of building/structure</p> <p>c. Determination of whether work constitutes substantial improvement/repair of damage</p> <p>This process involves comparing the damage assessment information with permit applications.</p>	
Cooleemee	The Town maintains a town-wide Flood Damage Prevention Ordinance.	The Town Mayor is designated as the Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between relevant Town staff and Davie County Emergency Management, Police and Fire Departments, Permitting Departments.</p> <p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.
Mocksville	The Town participates in the NFIP.	Determination of substantial damage is a coordinated effort between relevant Town staff and Davie County Emergency Management, Police and Fire Departments, Permitting Departments.	<p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.



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Jurisdiction	Local Floodplain Management Regulations	Designated Officials for SD/SI Determinations	Process Used to Make SD/SI Determinations	Communication Procedures for SD/SI Requirements
			This process involves comparing the damage assessment information with permit applications.	
<b>FORSYTH COUNTY</b>	The County maintains a county-wide Floodway and Floodway Fringe Regulations within its UDO and is a CRS Community (Class 8).	The County Stormwater Director is designated as the Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between Forsyth County Emergency Management, Police and Fire Departments, Permitting Departments and all jurisdictions within the County that participate in the NFIP.</p> <p>Following a flood event, County Emergency Management staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by County staff and compliance with building codes and flood prevention ordinance required.
Bethania	The Town Participates in the NFIP.	Determination of substantial damage is a coordinated effort between relevant Town staff and Forsyth County Emergency Management, Police and Fire Departments, Permitting Departments.	<p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.
Clemmons	The Village maintains a village-wide	The Village Stormwater	Determination of substantial damage is a coordinated effort between Village staff and	If work constitutes substantial

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Jurisdiction	Local Floodplain Management Regulations	Designated Officials for SD/SI Determinations	Process Used to Make SD/SI Determinations	Communication Procedures for SD/SI Requirements
	Floodway and Floodway Fringe Regulations within its UDO.	Administrator is designated as the Floodplain Administrator.	<p>Forsyth County Emergency Management, Police and Fire Departments, Permitting Departments.</p> <p>Following a flood event, Village staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	improvement or repair of substantial damage, applicants are notified by Village staff and compliance with building codes and flood prevention ordinance required.
Kernersville	The Town maintains a town-wide Floodway and Floodway Fringe Regulations within its UDO.	The Town Community Development Director is designated as the Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between Town staff and Forsyth County Emergency Management, Police and Fire Departments, Permitting Departments.</p> <p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.
Lewisville	The Town maintains a town-wide Floodway, Floodway	The Town Planner is designated as the	Determination of substantial damage is a coordinated effort between Town staff and Forsyth County Emergency Management,	If work constitutes substantial improvement or

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Jurisdiction	Local Floodplain Management Regulations	Designated Officials for SD/SI Determinations	Process Used to Make SD/SI Determinations	Communication Procedures for SD/SI Requirements
	Fringe, and Flood Prevention Regulations within its UDO.	Floodplain Administrator.	<p>Police and Fire Departments, Permitting Departments.</p> <p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.
Rural Hall	The Town Participates in the NFIP.	Determination of substantial damage is a coordinated effort between Town staff and Forsyth County Emergency Management, Police and Fire Departments, Permitting Departments.	<p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.
Tobaccoville	The Village participates in the NFIP.	Determination of substantial damage is a coordinated effort between Village staff and Forsyth County Emergency Management, Police and Fire Departments,	<p>Following a flood event, Village staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Village staff and compliance with building codes and

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Jurisdiction	Local Floodplain Management Regulations	Designated Officials for SD/SI Determinations	Process Used to Make SD/SI Determinations	Communication Procedures for SD/SI Requirements
		Permitting Departments.	<ul style="list-style-type: none"> <li>a. Estimation of market value or obtaining appraisal</li> <li>b. Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>c. Determination of whether work constitutes substantial improvement/repair of damage</li> </ul> <p>This process involves comparing the damage assessment information with permit applications.</p>	flood prevention ordinance required.
Walkerton	The Town maintains a town-wide Floodway and Floodway Fringe Regulations within its UDO.	The Town Manager or Town Clerk is designated as the Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between Town staff and Forsyth County Emergency Management, Police and Fire Departments, Permitting Departments.</p> <p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ul style="list-style-type: none"> <li>d. Estimation of market value or obtaining appraisal</li> <li>e. Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>f. Determination of whether work constitutes substantial improvement/repair of damage</li> </ul> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.
Winston-Salem	The City maintains a city-wide Floodway and Floodway Fringe Regulations within its UDO and is a CRS Community (Class 8).	The County Stormwater Director is designated as the Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between City staff and Forsyth County Emergency Management, Police and Fire Departments, Permitting Departments.</p> <p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by City staff and compliance with building codes and flood prevention ordinance required

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Jurisdiction	Local Floodplain Management Regulations	Designated Officials for SD/SI Determinations	Process Used to Make SD/SI Determinations	Communication Procedures for SD/SI Requirements
			<ul style="list-style-type: none"> <li>a. Estimation of market value or obtaining appraisal</li> <li>b. Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>c. Determination of whether work constitutes substantial improvement/repair of damage</li> </ul> <p>This process involves comparing the damage assessment information with permit applications.</p>	
<b>ROCKINGHAM COUNTY</b>	The County maintains a county-wide Flood Damage Prevention Ordinance.	The County Planning Director is designated as the Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between Rockingham County Emergency Management, Police and Fire Departments, Permitting Departments and all jurisdictions within the County that participate in the NFIP.</p> <p>Following a flood event, County Emergency Management staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ul style="list-style-type: none"> <li>a. Estimation of market value or obtaining appraisal</li> <li>b. Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>c. Determination of whether work constitutes substantial improvement/repair of damage</li> </ul> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by County staff and compliance with building codes and flood prevention ordinance required.
Eden	The City maintains a city-wide Flood Damage Prevention Ordinance.	The City Planning and Inspections Director is designated as the Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between City staff and Rockingham County Emergency Management, Police and Fire Departments, Permitting Departments.</p> <p>Following a flood event, City staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by City staff and compliance with building codes and flood prevention ordinance required.

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Jurisdiction	Local Floodplain Management Regulations	Designated Officials for SD/SI Determinations	Process Used to Make SD/SI Determinations	Communication Procedures for SD/SI Requirements
			<ul style="list-style-type: none"> <li>a. Estimation of market value or obtaining appraisal</li> <li>b. Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>c. Determination of whether work constitutes substantial improvement/repair of damage</li> </ul> <p>This process involves comparing the damage assessment information with permit applications.</p>	
Madison	The Town maintains a town-wide Flood Damage Prevention Ordinance.	The Town Building Inspector is designated as the Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between Town staff and Rockingham County Emergency Management, Police and Fire Departments, Permitting Departments.</p> <p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ul style="list-style-type: none"> <li>a. Estimation of market value or obtaining appraisal</li> <li>b. Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>c. Determination of whether work constitutes substantial improvement/repair of damage</li> </ul> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.
Mayodan	The Town participates in the NFIP.	Determination of substantial damage is a coordinated effort between relevant Town staff and Rockingham County Emergency Management, Police and Fire Departments, Permitting Departments.	<p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ul style="list-style-type: none"> <li>a. Estimation of market value or obtaining appraisal</li> <li>b. Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined,</li> </ul>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.

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Jurisdiction	Local Floodplain Management Regulations	Designated Officials for SD/SI Determinations	Process Used to Make SD/SI Determinations	Communication Procedures for SD/SI Requirements
			<p>vs. market value of building/structure</p> <p>c. Determination of whether work constitutes substantial improvement/repair of damage</p> <p>This process involves comparing the damage assessment information with permit applications.</p>	
Reidsville	The City maintains a city-wide Flood Damage Prevention Ordinance.	The City Community Development Director is designated as the Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between relevant City staff and Rockingham County Emergency Management, Police and Fire Departments, Permitting Departments.</p> <p>Following a flood event, City staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by City staff and compliance with building codes and flood prevention ordinance required.
Stoneville	The Town participates in the NFIP.	Determination of substantial damage is a coordinated effort between relevant Town staff and Rockingham County Emergency Management, Police and Fire Departments, Permitting Departments.	<p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.

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Jurisdiction	Local Floodplain Management Regulations	Designated Officials for SD/SI Determinations	Process Used to Make SD/SI Determinations	Communication Procedures for SD/SI Requirements
Wentworth	The Town participates in the NFIP.	Determination of substantial damage is a coordinated effort between relevant Town staff and Rockingham County Emergency Management, Police and Fire Departments, Permitting Departments.	<p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.
STOKES COUNTY	The County maintains a county-wide Flood Damage Prevention Ordinance.	Determination of substantial damage is a coordinated effort between Stokes County Emergency Management, Police and Fire Departments, Permitting Departments and all jurisdictions within the County that participate in the NFIP.	<p>Following a flood event, County staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by County staff and compliance with building codes and flood prevention ordinance required.
Danbury	The Town maintains a town-wide Flood Damage Prevention Ordinance.	Determination of substantial damage is a coordinated effort between relevant Town staff and Stokes County Emergency Management, Police and Fire Departments, Permitting Departments.	<p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> </ol>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.



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Jurisdiction	Local Floodplain Management Regulations	Designated Officials for SD/SI Determinations	Process Used to Make SD/SI Determinations	Communication Procedures for SD/SI Requirements
			<ul style="list-style-type: none"> <li>b. Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>c. Determination of whether work constitutes substantial improvement/repair of damage</li> </ul> <p>This process involves comparing the damage assessment information with permit applications.</p>	
King	The City maintains a city-wide Floodplain Development Regulations.	The City Director of Planning and Inspections is designated as Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between relevant City staff and Stokes County Emergency Management, Police and Fire Departments, Permitting Departments.</p> <p>Following a flood event, City staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ul style="list-style-type: none"> <li>a. Estimation of market value or obtaining appraisal</li> <li>b. Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>c. Determination of whether work constitutes substantial improvement/repair of damage</li> </ul> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by City staff and compliance with building codes and flood prevention ordinance required.
Walnut Cove	The Town maintains a town-wide Flood Damage Prevention Ordinance.	The Town Manager is designated as Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between relevant Town staff and Stokes County Emergency Management, Police and Fire Departments, Permitting Departments.</p> <p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ul style="list-style-type: none"> <li>a. Estimation of market value or obtaining appraisal</li> <li>b. Cost comparison to improve, to repair a damaged building to pre-</li> </ul>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.

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Jurisdiction	Local Floodplain Management Regulations	Designated Officials for SD/SI Determinations	Process Used to Make SD/SI Determinations	Communication Procedures for SD/SI Requirements
			<p>damaged condition, or combined, vs. market value of building/structure</p> <p>c. Determination of whether work constitutes substantial improvement/repair of damage</p> <p>This process involves comparing the damage assessment information with permit applications.</p>	
<b>SURRY COUNTY</b>	The County maintains a county-wide Flood Damage Prevention Ordinance.	The County Zoning Administrator is designated as Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between Surry County Emergency Management, Police and Fire Departments, Permitting Departments and all jurisdictions within the County that participate in the NFIP.</p> <p>Following a flood event, County staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by County staff and compliance with building codes and flood prevention ordinance required.
Dobson*	--	--	--	--
Elkin	The Town maintains a town-wide Flood Damage Prevention Ordinance.	The Town Planner is designated as Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between relevant Town staff and Surry County Emergency Management, Police and Fire Departments, Permitting Departments.</p> <p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>For applications for building permits to improve buildings and structures, including alterations, movement, enlargement, replacement, repair, change of occupancy, additions, rehabilitations, renovations, substantial improvements, repairs of</p>	Town staff will notify the applicant if it is determined that the work constitutes substantial improvement or repair of substantial damage and that compliance with the flood resistant construction requirements of the NC Building Code and this ordinance is required.

**SECTION 7: CAPABILITY ASSESSMENT**

Jurisdiction	Local Floodplain Management Regulations	Designated Officials for SD/SI Determinations	Process Used to Make SD/SI Determinations	Communication Procedures for SD/SI Requirements
			<p>substantial damage, and any other improvement of or work on such buildings and structures, the Floodplain Administrator, in coordination with the Building Official, shall:</p> <ol style="list-style-type: none"> <li>Estimate the market value, or require the applicant to obtain an appraisal of the market value prepared by a qualified independent appraiser, of the building or structure before the start of construction of the proposed work; in the case of repair, the market value of the building or structure shall be the market value before the damage occurred and before any repairs are made;</li> <li>Compare the cost to perform the improvement, the cost to repair a damaged building to its pre-damaged condition, or the combined costs of improvements and repairs, if applicable, to the market value of the building or structure; and</li> <li>Determine and document whether the proposed work constitutes substantial improvement or repair of substantial damage.</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	
Mount Airy	The City maintains a city-wide Flood Damage Prevention Ordinance.	The County Planning Director's selected designee is designated as Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between relevant City staff and Surry County Emergency Management, Police and Fire Departments, Permitting Departments.</p> <p>Following a flood event, City staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by City staff and compliance with building codes and flood prevention ordinance required.

**SECTION 7: CAPABILITY ASSESSMENT**

Jurisdiction	Local Floodplain Management Regulations	Designated Officials for SD/SI Determinations	Process Used to Make SD/SI Determinations	Communication Procedures for SD/SI Requirements
			This process involves comparing the damage assessment information with permit applications.	
Pilot Mountain	The Town maintains a town-wide Flood Damage Prevention Ordinance.	Determination of substantial damage is a coordinated effort between relevant Town staff and Surry County Emergency Management, Police and Fire Departments, Permitting Departments.	<p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.
YADKIN COUNTY	The County maintains a county-wide Flood Damage Prevention Ordinance.	The County Zoning Director and/or GIS Administrator is designated as Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between Yadkin County Emergency Management, Police and Fire Departments, Permitting Departments and all jurisdictions within the County that participate in the NFIP.</p> <p>Following a flood event, County staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by County staff and compliance with building codes and flood prevention ordinance required.
Boonville*	--	--	--	--

**SECTION 7: CAPABILITY ASSESSMENT**

Jurisdiction	Local Floodplain Management Regulations	Designated Officials for SD/SI Determinations	Process Used to Make SD/SI Determinations	Communication Procedures for SD/SI Requirements
East Bend*	--	--	--	--
Jonesville	The Town maintains a town-wide Flood Damage Prevention Ordinance.	The Town Manager is designated as Floodplain Administrator.	<p>Determination of substantial damage is a coordinated effort between relevant Town staff and Yadkin County Emergency Management, Police and Fire Departments, Permitting Departments.</p> <p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.
Yadkinville	The Town participates in the NFIP.	Determination of substantial damage is a coordinated effort between relevant Town staff and Yadkin County Emergency Management, Police and Fire Departments, Permitting Departments.	<p>Following a flood event, Town staff (along with other County, municipal and mutual aid staff as needed) conduct damage assessments and collect data on damaged structures.</p> <p>Substantial damages/improvements determined by Floodplain Administrator with Building Official coordination using the following process:</p> <ol style="list-style-type: none"> <li>Estimation of market value or obtaining appraisal</li> <li>Cost comparison to improve, to repair a damaged building to pre-damaged condition, or combined, vs. market value of building/structure</li> <li>Determination of whether work constitutes substantial improvement/repair of damage</li> </ol> <p>This process involves comparing the damage assessment information with permit applications.</p>	If work constitutes substantial improvement or repair of substantial damage, applicants are notified by Town staff and compliance with building codes and flood prevention ordinance required.

### 7.3.5 Administrative and Technical Capability

The ability of a local government to develop and implement mitigation projects, policies, and programs is directly tied to its ability to direct staff time and resources for that purpose. Administrative capability can be evaluated by determining how mitigation-related activities are assigned to local departments and if there are adequate personnel resources to complete these activities. The degree of intergovernmental coordination among departments will also affect administrative capability for the implementation and success of proposed mitigation activities.

Technical capability can generally be evaluated by assessing the level of knowledge and technical expertise of local government employees, such as personnel skilled in using Geographic Information Systems (GIS) to analyze and assess community hazard vulnerability. The Capability Assessment Survey was used to capture information on administrative and technical capability through the identification of available staff and personnel resources.

**Table 7.5** provides a summary of the capability assessment results for the Northern Piedmont Region with regard to relevant staff and personnel resources. A checkmark (✓) indicates the presence of a staff member(s) in that jurisdiction with the specified knowledge or skill.

**TABLE 7.5: RELEVANT STAFF / PERSONNEL RESOURCES**

Staff / Personnel Resource	CASWELL COUNTY	Milton	Yanceville	DAVIE COUNTY	Bermuda Run	Cooleemee	Mocksville	FORSYTH COUNTY	Bethania	Clemmons	Kernersville	Lewisville	Rural Hall	Tobaccoville	Walkertown	Winston-Salem	ROCKINGHAM COUNTY	Eden	Madison	Mavodan	Reidsville	Stoneville	Wentworth	STOKES COUNTY	Danburv	King	Walnut Cove	SURRY COUNTY	Dobson	Elkin	Mount Airv	Pilot Mountain	YADKIN COUNTY	Boonville	East Bend	Jonesville	Yadkinville
Planners with knowledge of land development / land management practices	✓			✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓			✓		✓		✓	✓	✓	✓		✓				
Engineers or professionals trained in construction practices related to buildings and/or infrastructure	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Planners or engineers with an understanding of natural and/or human-caused hazards	✓			✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓			✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emergency Manager	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floodplain Manager	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓			✓			✓	✓
Land Surveyors										✓	✓					✓																					

Staff / Personnel Resource	CASWELL COUNTY	Milton	Yanceville	DAVIE COUNTY	Bermuda Run	Cooleemee	Mocksville	FORSYTH COUNTY	Bethania	Clemmons	Kernersville	Lewisville	Rural Hall	Tobaccoville	Walkertown	Winston-Salem	ROCKINGHAM COUNTY	Eden	Madison	Mayodan	Reidsville	Stoneville	Wentworth	STOKES COUNTY	Danbury	King	Walnut Cove	SURRY COUNTY	Dobson	Elkin	Mount Airy	Pilot Mountain	YADKIN COUNTY	Boonville	East Bend	Jonesville	Yadkinville
Scientists familiar with the hazards of the community	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Staff with education or expertise to assess the community's vulnerability to hazards	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Personnel skilled in GIS and/or Hazus	✓			✓			✓	✓	✓	✓		✓	✓	✓		✓	✓			✓	✓		✓		✓		✓		✓	✓		✓					
Resource development staff or grant writers									✓			✓			✓																						

Credit for having a floodplain manager was given to those jurisdictions that have a flood damage prevention ordinance, and therefore an appointed floodplain administrator, regardless of whether the appointee was dedicated solely to floodplain management. Credit was given for having a scientist familiar with the hazards of the community if a jurisdiction has a Cooperative Extension Service or Soil and Water Conservation Department. Credit was also given for having staff with education or expertise to assess the community's vulnerability to hazards if a staff member from the jurisdiction was a participant on the existing hazard mitigation plan's planning committee.

### 7.3.6 Fiscal Capability

The ability of a local government to take action is often closely associated with the amount of money available to implement policies and projects. This may take the form of outside grant funding awards or locally based revenue and financing. The costs associated with mitigation policy and project implementation vary widely. In some cases, policies are tied primarily to staff time or administrative costs associated with the creation and monitoring of a given program. In other cases, direct expenses are linked to an actual project, such as the acquisition of flood-prone homes, which can require a substantial commitment from local, state, and federal funding sources. The Capability Assessment Survey was used to capture information on the region's fiscal capability through the identification of locally available financial resources.

**Table 7.6** provides a summary of the results for the Northern Piedmont Region with regard to relevant fiscal resources. A checkmark (✓) indicates that the given fiscal resource is locally available for hazard mitigation purposes (including match funds for state and federal mitigation grant funds) according to the previous county hazard mitigation plans.

**TABLE 7.6: RELEVANT FISCAL RESOURCES**

<b>Fiscal Tool / Resource</b>	<b>CASWELL COUNTY</b>	<b>Milton</b>	<b>Yanceyville</b>	<b>DAVIE COUNTY</b>	<b>Bermuda Run</b>	<b>Cooleemee</b>	<b>Mocksville</b>	<b>FORSYTH COUNTY</b>	<b>Bethania</b>	<b>Clemmons</b>	<b>Kernersville</b>	<b>Lewisville</b>	<b>Rural Hall</b>	<b>Tobaccoville</b>	<b>Walkertown</b>	<b>Winston-Salem</b>	<b>ROCKINGHAM COUNTY</b>	<b>Eden</b>	<b>Madison</b>	<b>Mavedan</b>	<b>Reidsville</b>	<b>Stoneville</b>	<b>Wentworth</b>	<b>STOKES COUNTY</b>	<b>Danbury</b>	<b>King</b>	<b>Walnut Cove</b>	<b>SURRY COUNTY</b>	<b>Dobson</b>	<b>Elkin</b>	<b>Mount Airy</b>	<b>Pilot Mountain</b>	<b>YADKIN COUNTY</b>	<b>Boonville</b>	<b>East Bend</b>	<b>Jonesville</b>	<b>Yadkinville</b>
Capital Improvement Programming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Community Development Block Grants (CDBG)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Special Purpose Taxes (or taxing districts)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Gas / Electric Utility Fees																																					
Water / Sewer Fees																✓																					
Stormwater Utility Fees									✓	✓					✓																						
Development Impact Fees																																					
General Obligation, Revenue, and/or Special Tax Bonds																																					
Partnering Arrangements or Intergovernmental Agreements	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Other: PDM, FMAP, HMGP, PA, SBA, other state, local, and non-governmental funding sources, etc.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

### 7.3.7 Political Capability

One of the most difficult capabilities to evaluate involves the political will of a jurisdiction to enact meaningful policies and projects designed to reduce the impact of future hazard events. Hazard mitigation may not be a local priority or may conflict with or be seen as an impediment to other goals of the community, such as growth and economic development. Therefore, the local political climate must be considered in designing mitigation strategies as it could be the most difficult hurdle to overcome in accomplishing their adoption and implementation.

The Capability Assessment Survey was used to capture information on political capability of the Northern Piedmont Region. Previous county-level hazard mitigation plans were reviewed for general examples of local political capability, such as guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local



development standards that go beyond minimum state or federal requirements (i.e., building codes, floodplain management, etc.).

- Caswell County and its municipalities have experienced the devastating effects of natural hazards (i.e., recent hurricanes and ice storms). The citizens, property owners, business owners, and elected officials of the county and towns are committed to implementing a hazard mitigation plan in order to reduce community vulnerability. The Caswell County Board of Commissioners, Milton Town Council, Yanceyville Town Council, the professional staff, and the citizens of the county are continually striving to make Caswell County a safer community in which to live, work, and play. The county recognizes that implementation of a hazard mitigation plan is an essential component in helping to achieve these goals.
- Davie County has experienced the devastating effects of natural hazards (i.e., recent hurricanes and ice storms). The citizens, property owners, business owners, and elected officials of the county are committed to implementing a hazard mitigation plan in order to reduce community vulnerability. The Davie County Board of Commissioners, the professional staff, and the citizens of the county are continually striving to make Davie County a safer community in which to live, work, and play. The county recognizes that implementation of a hazard mitigation plan is an essential component in helping to achieve these goals.
- Forsyth County has experienced the devastating effects of natural hazards (i.e., recent hurricanes and ice storms). The citizens, property owners, business owners, and elected officials of the county are committed to implementing a hazard mitigation plan in order to reduce community vulnerability and impact. The Forsyth County Board of Commissioners, the professional staff, and the citizens of the county are continually striving to make Forsyth County a safer community in which to live, work, and play. The county recognizes that implementation of a hazard mitigation plan is an essential component in helping to achieve these goals.
- Rockingham County has experienced the devastating effects of natural hazards (i.e., recent hurricanes and ice storms). The citizens, property owners, business owners, and elected officials of the county are committed to implementing a hazard mitigation plan in order to reduce community vulnerability. The Rockingham County Board of Commissioners, the professional staff, and the citizens of the county are continually striving to make Rockingham County a safer community in which to live, work, and play. The county recognizes that implementation of a hazard mitigation plan is an essential component in helping to achieve these goals.
- Stokes County has experienced the effects of natural hazards (i.e., recent hurricanes and ice storms). The citizens, property owners, business owners, and elected officials of the county are committed to implementing a hazard mitigation plan in order to reduce community vulnerability. The Stokes County Board of Commissioners, the City/Town Councils/Boards, the professional staff, and the citizens of the county are continually striving to make Stokes County a safer community in which to live, work, and play. The county and municipalities recognize that implementation of a hazard mitigation plan is an essential component in helping to achieve these goals.
- Surry County and the four municipalities are separated into five distinctive political jurisdictions. Each operates under the manager-board of commissioners' form of government. In regards to carrying out the goals dealing with mitigating hazards identified within this plan, it is the consensus of governing body to work collectively for the greater good of Surry County as a whole. This is evident with the joint cooperation on developing and adopting the previous hazard mitigation plan.

- Yadkin County has experienced the devastating effects of natural hazards (i.e., recent hurricanes and ice storms). The citizens, property owners, business owners, and elected officials of the county are committed to implementing a hazard mitigation plan in order to reduce community vulnerability. The Yadkin County Board of Commissioners, the professional staff, and the citizens of the county are continually striving to make Yadkin County a safer community in which to live, work, and play. The county recognizes that implementation of hazard mitigation plan is an essential component in helping to achieve these goals.

## 7.4 CONCLUSIONS ON LOCAL CAPABILITY

In order to form meaningful conclusions on the assessment of local capability, a quantitative scoring methodology was designed and applied to results of the Capability Assessment Survey. This methodology, further described in Appendix B, attempts to assess the overall level of capability of the Northern Piedmont Region to implement hazard mitigation actions.

The overall capability to implement hazard mitigation actions varies among the participating jurisdictions. For planning and regulatory capability, the majority of the jurisdictions are in the limited to moderate range. There is also variation in the administrative and technical capability among the jurisdictions with larger jurisdictions generally having greater staff and technical resources. Almost all of jurisdictions are in the limited range for fiscal capability.

**Table 7.7** shows the results of the capability assessment using the designed scoring methodology. The capability score is based solely on the information found in existing hazard mitigation plans and readily available on the jurisdictions' government websites. According to the assessment, the average local capability score for all jurisdictions is 31.5, which falls into the moderate capability ranking.

**TABLE 7.7: CAPABILITY ASSESSMENT RESULTS**

Jurisdiction	Overall Capability Score	Overall Capability Rating
<b>CASWELL COUNTY</b>	40	High
Milton	19	Limited
Yanceyville	28	Moderate
<b>DAVIE COUNTY</b>	41	High
Bermuda Run	29	Moderate
Cooleemee	25	Moderate
Mocksville	31	Moderate
<b>FORSYTH COUNTY</b>	47	High
Bethania	28	Moderate
Clemmons	38	Moderate
Kernersville	40	High

Jurisdiction	Overall Capability Score	Overall Capability Rating
Lewsville	34	Moderate
Rural Hall	28	Moderate
Tobaccoville	28	Moderate
Walkertown	29	Moderate
Winston-Salem	47	High
<b>ROCKINGHAM COUNTY</b>	40	High
Eden	36	Moderate
Madison	32	Moderate
Mayodan	28	Moderate
Reidsville	38	Moderate
Stoneville	26	Moderate
Wentworth	26	Moderate
<b>STOKES COUNTY</b>	41	High
Danbury	23	Moderate
King	35	Moderate
Walnut Cove	26	Moderate
<b>SURRY COUNTY</b>	41	High
Dobson	23	Moderate
Elkin	32	Moderate
Mount Airy	36	Moderate
Pilot Mountain	22	Moderate
<b>YADKIN COUNTY</b>	39	Moderate
Boonville	21	Moderate
East Bend	16	Limited
Jonesville	25	Moderate
Yadkinville	29	Moderate

As previously discussed, one of the reasons for conducting a Capability Assessment is to examine local capabilities to detect any existing gaps or weaknesses within ongoing government activities that could hinder proposed mitigation activities and possibly exacerbate community hazard vulnerability. These gaps or weaknesses have been identified for each jurisdiction in the tables found throughout this section. The participating jurisdictions used the Capability Assessment as part of the basis for the Mitigation Actions that are identified in Section 9; therefore, each jurisdiction addresses their ability to expand on and improve their existing capabilities through the identification of their Mitigation Actions.

### **7.4.1 Linking the Capability Assessment with the Risk Assessment and the Mitigation Strategy**

The conclusions of the Risk Assessment and Capability Assessment serve as the foundation for the development of a meaningful hazard mitigation strategy. During the process of identifying specific mitigation actions to pursue, the Regional Hazard Mitigation Planning Team considered not only each jurisdiction's level of hazard risk, but also their existing capability to minimize or eliminate that risk.

# SECTION 8

## MITIGATION STRATEGY

This section of the Plan provides the blueprint for the participating jurisdictions in the Northern Piedmont Region to follow in order to become less vulnerable to its identified hazards. It is based on general consensus of the Northern Piedmont Regional Hazard Mitigation Planning Team and the findings and conclusions of the *Capability Assessment* and *Risk Assessment*. It consists of the following five subsections:

- 8.1 Introduction
  - 8.2 Mitigation Goals
  - 8.3 Identification and Analysis of Mitigation Techniques
  - 8.4 Selection of Mitigation Techniques for the Northern Piedmont Region
  - 8.5 Plan Update Requirement
- 

### 8.1 INTRODUCTION

The intent of the Mitigation Strategy is to provide the communities in the Northern Piedmont Region with the goals that will serve as guiding principles for future mitigation policy and project administration, along with an analysis of mitigation techniques available to meet those goals and reduce the impact of identified hazards. It is designed to be comprehensive, strategic, and functional in nature:

- In being *comprehensive*, the development of the strategy includes a thorough review of all hazards and identifies extensive mitigation measures intended to not only reduce the future impacts of high risk hazards, but also to help the region achieve compatible economic, environmental, and social goals.
- In being *strategic*, the development of the strategy ensures that all policies and projects proposed for implementation are consistent with pre-identified, long-term planning goals.
- In being *functional*, each proposed mitigation action is linked to established priorities and assigned to specific departments or individuals responsible for their implementation with target completion deadlines. When necessary, funding sources are identified that can be used to assist in project implementation.

The first step in designing the Mitigation Strategy includes the identification of mitigation goals. Mitigation goals represent broad statements that are achieved through the implementation of more specific mitigation actions. These actions include both hazard mitigation policies (such as the regulation of land in known hazard areas through a local ordinance) and hazard mitigation projects that seek to address specifically targeted hazard risks (such as the acquisition and relocation of a repetitive loss structure).

The second step involves the identification, consideration, and analysis of available mitigation

measures to help achieve the identified mitigation goals. This is a long-term, continuous process sustained through the development and maintenance of this Plan. Alternative mitigation measures will continue to be considered as future mitigation opportunities are identified, as data and technology improve, as mitigation funding becomes available, and as this Plan is maintained over time.

The third and last step in designing the Mitigation Strategy is the selection and prioritization of specific mitigation actions for the Northern Piedmont Region (provided separately in Section 9: *Mitigation Action Plan*). Each county and participating jurisdiction has its own Mitigation Action Plan (MAP) that reflects the needs and concerns of that jurisdiction. The MAP represents an unambiguous and functional plan for action and is considered to be the most essential outcome of the mitigation planning process.

The MAP includes a prioritized listing of proposed hazard mitigation actions (policies and projects) for the Northern Piedmont counties and their municipal jurisdictions to complete. Each action has accompanying information, such as those departments or individuals assigned responsibility for implementation, potential funding sources, and an estimated target date for completion. The MAP provides those departments or individuals responsible for implementing mitigation actions with a clear roadmap that also serves as an important tool for monitoring success or progress over time. The cohesive collection of actions listed in the MAP can also serve as an easily understood menu of mitigation policies and projects for those local decision makers who want to quickly review the recommendations and proposed actions of the Regional Hazard Mitigation Plan.

In preparing each Mitigation Action Plan for the Northern Piedmont Region, officials considered the overall hazard risk and capability to mitigate the effects of hazards as recorded through the risk and capability assessment process, in addition to meeting the adopted mitigation goals and unique needs of the community.

### 8.1.1 Mitigation Action Prioritization

Prioritization of the proposed mitigation actions was based on the following six factors:

- Effect on overall risk to life and property
- Ease of implementation
- Political and community support
- A general economic cost/benefit review<sup>1</sup>
- Funding availability
- Continued compliance with the NFIP

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<sup>1</sup> Only a general economic cost/benefit review was considered by the Regional Hazard Mitigation Planning Committee through the process of selecting and prioritizing mitigation actions. Mitigation actions with “high” priority were determined to be the most cost effective and most compatible with the participating jurisdictions’ unique needs. Actions with a “moderate” priority were determined to be cost-effective and compatible with jurisdictional needs, but may be more challenging to complete administratively or fiscally than “high” priority actions. Actions with a “low” priority were determined to be important community needs, but the community likely identified several potential challenges in terms of implementation (e.g. lack of funding, technical obstacles). A more detailed cost/benefit analysis will be applied to particular projects prior to the application for or obligation of funding, as appropriate.

The point of contact for each county helped coordinate the prioritization process by reviewing each action and working with the lead agency/department responsible to determine a priority for each action using the six factors listed above.

Using these criteria, actions were classified as high, moderate, or low priority by the participating jurisdiction officials.

### 8.2 MITIGATION GOALS

<b>44 CFR Requirement</b>
<b>44 CFR Part 201.6(c)(3)(i):</b> The mitigation strategy shall include a description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.

The primary goal of all local governments is to promote the public health, safety, and welfare of its citizens. In keeping with this standard, Northern Piedmont counties and the participating municipalities have developed seven goal statements for local hazard mitigation planning in the region. In developing these goals, the previous seven county hazard mitigation plans were reviewed to determine areas of consistency. The project consultant reviewed the goals from each of the seven existing plans that were combined to form this regional plan. Many of the goals were similar and regional goals were formulated based on commonalities found between the goals in each plan.

During the development of the initial regional plan for the region, the proposed regional goals were presented, reviewed, voted on, and accepted by the Planning Team at the second Regional Hazard Mitigation Planning Team meeting. This process of combining goals from the previous plans served to highlight the planning process that had occurred in each county prior to joining this regional planning effort. Each goal, purposefully broad in nature, serves to establish parameters that were used in developing more mitigation actions. The Northern Piedmont Regional Mitigation Goals are presented in **Table 8.1**. Consistent implementation of actions over time will ensure that community goals are achieved.

As part of the development of the 2025 update of this plan, the goals found in Table 8.1 were reviewed and discussed at the 3/5/25 meeting of the Regional Hazard Mitigation Planning Committee. It was determined that the goals are still applicable for the region.

**TABLE 8.1: NORTHERN PIEDMONT REGIONAL MITIGATION GOALS**

Goal	
Goal #1	Protect the public health, safety, and welfare by increasing public awareness of hazards and by encouraging collective and individual responsibility for mitigating hazard risks.
Goal #2	Improve technical capability to respond to hazards and to improve the effectiveness of hazard mitigation actions.
Goal #3	Enhance existing or create new policies and ordinances that will help reduce the damaging effects of natural hazards.
Goal #4	Protect the most vulnerable populations, buildings, and critical facilities through the implementation of cost-effective and technically feasible mitigation actions.
Goal #5	Decrease the community's vulnerability to future hazard events.
Goal #6	Increase the community's resiliency so that recovery can be quicker and less costly.
Goal #7	Reduce hazard risks to citizens' lives and property.



## 8.3 IDENTIFICATION AND ANALYSIS OF MITIGATION TECHNIQUES

### 44 CFR Requirement

**44 CFR Part 201.6(c)(3)(ii):** The mitigation strategy shall include a section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effect of each hazard, with particular emphasis on new and existing buildings and infrastructure.

In formulating the Mitigation Strategy for the Northern Piedmont Region, a wide range of activities were considered in order to help achieve the established mitigation goals, in addition to addressing any specific hazard concerns. These activities were discussed during the Northern Piedmont Regional Hazard Mitigation Planning Team meetings. In general, all activities considered by the Regional Hazard Mitigation Planning Team can be classified under one of the following six broad categories of mitigation techniques: Prevention, Property Protection, Natural Resource Protection, Structural Projects, Emergency Services, and Public Awareness and Education. These are discussed in detail below.

### 8.1.2 Prevention

Preventative activities are intended to keep hazard problems from getting worse, and are typically administered through government programs or regulatory actions that influence the way land is developed and buildings are built. They are particularly effective in reducing a community's future vulnerability, especially in areas where development has not occurred or capital improvements have not been substantial. Examples of preventative activities include:

- Planning and zoning
- Building codes
- Open space preservation
- Floodplain regulations
- Stormwater management regulations
- Drainage system maintenance
- Capital improvements programming
- Riverine / fault zone setbacks

### 8.1.3 Property Protection

Property protection measures involve the modification of existing buildings and structures to help them better withstand the forces of a hazard, or removal of the structures from hazardous locations. Examples include:

- Acquisition
- Relocation
- Building elevation
- Critical facilities protection
- Retrofitting (e.g., windproofing, floodproofing, seismic design techniques, etc.)
- Safe rooms, shutters, shatter-resistant glass

- Insurance

#### 8.1.4 Natural Resource Protection

Natural resource protection activities reduce the impact of natural hazards by preserving or restoring natural areas and their protective functions. Such areas include floodplains, wetlands, steep slopes, and sand dunes. Parks, recreation, or conservation agencies and organizations often implement these protective measures. Examples include:

- Floodplain protection
- Watershed management
- Riparian buffers
- Forest and vegetation management (e.g., fire resistant landscaping, fuel breaks, etc.)
- Erosion and sediment control
- Wetland preservation and restoration
- Habitat preservation
- Slope stabilization

#### 8.1.5 Structural Projects

Structural mitigation projects are intended to lessen the impact of a hazard by modifying the environmental natural progression of the hazard event through construction. They are usually designed by engineers and managed or maintained by public works staff. Examples include:

- Reservoirs
- Dams / levees / dikes / floodwalls
- Diversions / detention / retention
- Channel modification
- Storm sewers

#### 8.1.6 Emergency Services

Although not typically considered a “mitigation” technique, emergency service measures do minimize the impact of a hazard event on people and property. These commonly are actions taken immediately prior to, during, or in response to a hazard event. Examples include:

- Warning systems
- Evacuation planning and management
- Emergency response training and exercises
- Sandbagging for flood protection
- Installing temporary shutters for wind protection

### 8.1.7 Public Education and Awareness

Public education and awareness activities are used to advise residents, elected officials, business owners, potential property buyers, and visitors about hazards, hazardous areas, and mitigation techniques they can use to protect themselves and their property. Examples of measures to educate and inform the public include:

- Outreach projects
- Speaker series / demonstration events
- Hazard map information
- Real estate disclosure
- Library materials
- School children educational programs
- Hazard expositions

## 8.4 SELECTION OF MITIGATION TECHNIQUES FOR THE NORTHERN PIEDMONT REGION

In order to determine the most appropriate mitigation techniques for the communities in the Northern Piedmont Region, the Regional Hazard Mitigation Planning Team members thoroughly reviewed and considered the findings of the *Capability Assessment* and *Risk Assessment* to determine the best activities for their respective communities. Other considerations included the effect of each mitigation action on overall risk to life and property, its ease of implementation, its degree of political and community support, its general cost-effectiveness, and funding availability (if necessary).

## 8.5 PLAN UPDATE REQUIREMENT

In keeping with FEMA requirements for plan updates, the Mitigation Actions identified in the previous regional plan were evaluated to determine their 2025 implementation status. Updates on the implementation status of each action are provided. Any changes to the relative priority of the actions are noted as well. The mitigation actions provided in Section 9: Mitigation Action Plan include the mitigation actions from the previous plans as well as any new mitigation actions proposed through the 2025 planning process. Actions identified as completed in the 2020 version of the plan have been moved to Appendix E.

# SECTION 9

## MITIGATION ACTION PLAN

This section includes the listing of the mitigation actions proposed by the participating jurisdictions in the Northern Piedmont Region. It consists of the following two subsections:

- 9.1 Overview
- 9.2 Mitigation Action Plans

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### 44 CFR Requirement

**44 CFR Part 201.6(c)(3)(iii):** The mitigation strategy shall include an action plan describing how the actions identified in paragraph (c)(2)(ii) of this section will be prioritized, implemented, and administered by the local jurisdiction.

## 9.1 OVERVIEW

As described in the previous section, the Mitigation Action Plan, or MAP, provides a functional plan of action for each jurisdiction. It is designed to achieve the mitigation goals established in Section 8: *Mitigation Strategy* and will be maintained on a regular basis according to the plan maintenance procedures established in Section 10: *Plan Maintenance*.

Each proposed mitigation action has been identified as an effective measure (policy or project) to reduce hazard risk for the Northern Piedmont Region. Each action is listed in the MAP in conjunction with background information such as hazard(s) addressed, relative priority, and estimated cost. Other information provided in the MAP includes potential funding sources to implement the action should funding be required (not all proposed actions are contingent upon funding). Most importantly, implementation mechanisms are provided for each action, including the designation of a lead agency or department responsible for carrying the action out as well as a timeframe for its completion. These implementation mechanisms ensure that the Northern Piedmont Regional Hazard Mitigation Plan remains a functional document that can be monitored for progress over time. The proposed actions are not listed in priority order, though each has been assigned a priority level of “high,” “moderate,” or “low” as described below and in Section 8 (page 8.2).

The Mitigation Action Plan is organized by mitigation strategy category (Prevention, Property Protection, Natural Resource Protection, Structural Projects, Emergency Services, or Public Education and Awareness). The following are the key elements described in the Mitigation Action Plan:

- Hazard(s) Addressed—Hazard which the action addresses.
- Relative Priority—High, moderate, or low priority as assigned by the jurisdiction.
- Lead Agency/Department—Department responsible for undertaking the action.

- Potential Funding Sources—Local, State, or Federal sources of funds are noted here, where applicable.
- Implementation Schedule—Date by which the action the action should be completed. More information is provided when possible.
- Implementation Status (2025)—Indication of completion, progress, deferment, or no change since the previous plan. If the action is new, that will be noted here.

## 9.2 MITIGATION ACTION PLANS

The mitigation actions proposed by each of the participating jurisdictions are listed in 37 individual MAPs on the following pages. **Table 9.1** shows the location of each jurisdiction's MAP within this section as well as the number of mitigation actions proposed by each jurisdiction.

**TABLE 9.1: INDIVIDUAL MAP LOCATIONS**

Location	Page	Number of Mitigation Actions
<b>Caswell County</b>	<b>9:4</b>	<b>15</b>
Milton	9:8	15
Yanceyville	9:12	14
<b>Davie County</b>	<b>9:16</b>	<b>7</b>
Bermuda Run	9:20	10
Cooleemee	9:25	10
Mocksville	9:30	11
<b>Forsyth County</b>	<b>9:35</b>	<b>13</b>
Bethania	9:40	6
Clemmons	9:44	11
Kernersville	9:48	6
Lewisville	9:52	6
Rural Hall	9:56	5
Tobaccoville	9:59	6
Walkertown	9:63	6
Winston-Salem	9:67	7
<b>Rockingham County</b>	<b>9:72</b>	<b>8</b>
Eden	9:75	8
Madison	9:78	8
Mayodan	9:81	8
Reidsville	9:84	8
Stoneville	9:87	8
Wentworth	9:91	8
<b>Stokes County</b>	<b>9:94</b>	<b>7</b>
Danbury	9:96	7
King	9:98	7
Walnut Cove	9:100	7
<b>Surry County</b>	<b>9:102</b>	<b>42</b>
Dobson	9:111	40

## SECTION 9: MITIGATION ACTION PLAN

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Location	Page	Number of Mitigation Actions
Elkin	9:119	29
Mount Airy	9:124	41
Pilot Mountain	9:132	40
<b>Yadkin County</b>	<b>9:141</b>	<b>12</b>
Boonville	9:145	12
East Bend	9:149	12
Jonesville	9:153	12
Yadkinville	9:157	12

## SECTION 9: MITIGATION ACTION PLAN

### Caswell County Mitigation Action Plan

Action	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Caswell County Planning and Zoning	Local	2030	Although hazard mitigation objectives were reviewed at the last Land Use Plan update, they will need to be integrated again at the next update as well.
P-2	The Towns of Milton and Yanceyville will adopt Resolutions to participate in the NFIP and request that an Inter-Local Agreement be reached with the County to provide Administrative Services over this program	All	High	Town Manager Milton, Town Manager of Yanceyville	Local	2030	The Town of Yanceyville is now a participant in the NFIP. The Town of Milton will continue to evaluate the feasibility of joining the NFIP. Action to be revisited in 2030.
P-3	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding	Moderate	Caswell County Planning and Zoning	Local	2030	Generally, there are policies in place to minimize new structures being located in the floodplain. However, additional regulations may further reduce the number of structures at flood risk, so these will be considered going forward.
P-4	Update the Subdivision Ordinance by reviewing and incorporating hazard mitigation objectives.	All	Moderate	Caswell County Planning and Zoning	Local	2030	Some mitigation objectives have been integrated into the Subdivision Ordinance, but additional integration would be beneficial.
P-5	Update the Watershed Ordinance by reviewing and incorporating hazard mitigation objectives	All	Moderate	Caswell County Planning and Zoning	Local	2030	Some mitigation objectives have been integrated into the Watershed Ordinance, but additional integration would be beneficial.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-7	<p>Building Inspections – Flood Damaged Structures. Any and all portions of buildings that have been submerged for any length of time will be inspected for flood related damage as well as other conditions that may be dangerous to life, health or other property. Plan for Damaged Structures:</p> <ol style="list-style-type: none"> <li>1. Overall damage assessment/data collection (visual inspection from roadways).</li> <li>2. Data compiled and geographical areas assigned to teams.</li> <li>3. Second detailed assessment by area teams.</li> <li>4. Portions of walls, floors, ceilings, etc. that have been exposed to water will be opened for evaluation.</li> <li>5. All construction that is repaired, replaced, dried or sealed will be inspected before covered.</li> <li>6. Structure inspected for certificate of compliance.</li> </ol>	Flooding	High	Caswell County Building Inspections	Local	2030, Review and update post-event	The county has implemented inspections of flood damaged structures in the past utilizing the method outlined. This action will continue to be implemented going forward as required when flooding damages structures. When this occurs, the policy will be re-evaluated to determine if changes are necessary.
P-8	<p>Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.</p>	All	High	Caswell County Building Inspections	Local	2030, Review and update post-event	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged. When this occurs, the policy will be re-evaluated to determine if changes are necessary.



## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-9	Create a zoning map (digital) that can be easily reproduced/updated for staff and public use.	All	High	Caswell County Planning and Zoning	Local	2030	The county has created a zoning map, but it will need to be updated periodically in the future so this action will remain in place.
P-10	Create layers of GIS data to maintain accurate and up to date information about critical facilities, hazard event history, Flood Plains, etc.	All	High	Caswell County Planning and Zoning, Caswell County GIS	Local	2030	GIS layers have been created for critical facilities and to delineate floodplains. These layers will need to be updated in the future as new information becomes available.
<b>Property Protection</b>							
PP-1	Develop a formal process for identifying potential hazard mitigation issues as a result of new development	All	Moderate	Caswell County Planning and Zoning	Local	2030	The county has identified potential hazard issues that have resulted from new development but there is not a formal process for identifying mitigation opportunities so this will need to be developed.
PP-2	Develop a Redevelopment Plan for Severe Repetitive Loss areas within the County and Towns.	All	Low	Caswell County Planning and Zoning	Local	2030	The county has not developed a Redevelopment Plan for SRL areas. This will need to be completed.
PP-3	Improve shelter capacities with alternate power/heat sources.	All	High	Caswell County Emergency Services	Local	2030	Although many shelters have improved capacities, improvements in the form of generators or other heat sources are still necessary and will be pursued.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Emergency Services</b>							
ES-1	Ensure adequate evacuation warning in case of major hazard event.	All	High	Caswell County Emergency Services	Local	2030, In advance of events	The county always works to ensure adequate evacuation warning in the case of major hazard events and will continue to do so going forward.
<b>Public Education and Awareness</b>							
PEA-1	Place flood protection and other hazard education materials in all branches of the Caswell County public library system.	All	High	Caswell County Planning and Zoning	Local	2030	The county has placed education materials concerning hazards in all branches of the county library, but this action will need to be reviewed and revised as additional information is likely available and other outreach strategies will be explored.
PEA-2	Ensure that the Planning Director is informed of erosion and sedimentation control methods and pushes this information out to the public.	Flooding	High	Caswell County Manger, Caswell County Planning and Zoning	Local	2030, Annual site visits	The Caswell County Planning Director has received training on erosion and sedimentation control methods and on floodplain surveying certification. On an annual basis, this person makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Milton Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Caswell County Planning and Zoning	Local	2030	Although hazard mitigation objectives were reviewed at the last Land Use Plan update, they will need to be integrated again at the next update as well.
P-2	The Town of Milton will adopt Resolutions to participate in the NFIP and request that an Inter- Local Agreement be reached with the County to provide Administrative Services over this program	Flooding	High	Town Manager Milton, Town Manager of Yanceyville	Local	2030	The Town of Milton will evaluate joining the NFIP.
P-3	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding	Moderate	Caswell County Planning and Zoning	Local	2030	Generally, there are policies in place to minimize new structures being located in the floodplain. However, additional regulations may further reduce the number of structures at flood risk, so these will be considered going forward.
P-4	Update the Subdivision Ordinance by reviewing and incorporating hazard mitigation objectives.	All	Moderate	Caswell County Planning and Zoning	Local	2030	Some mitigation objectives have been integrated into the Subdivision Ordinance, but additional integration would be beneficial.
P-5	Update the Watershed Ordinance by reviewing and incorporating hazard mitigation objectives	All	Moderate	Caswell County Planning and Zoning	Local	2030	Some mitigation objectives have been integrated into the Watershed Ordinance, but additional integration would be beneficial.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-7	<p>Building Inspections – Flood Damaged Structures. Any and all portions of buildings that have been submerged for any length of time will be inspected for flood related damage as well as other conditions that may be dangerous to life, health or other property. Plan for Damaged Structures:</p> <ol style="list-style-type: none"> <li>1. Overall damage assessment/data collection (visual inspection from roadways).</li> <li>2. Data compiled and geographical areas assigned to teams.</li> <li>3. Second detailed assessment by area teams.</li> <li>4. Portions of walls, floors, ceilings, etc. that have been exposed to water will be opened for evaluation.</li> <li>5. All construction that is repaired, replaced, dried or sealed will be inspected before covered.</li> <li>6. Structure inspected for certificate of compliance.</li> </ol>	Flooding	High	Caswell County Building Inspections	Local	2030, Review and update post-event	The county has implemented inspections of flood damaged structures in the past utilizing the method outlined. This action will continue to be implemented going forward as required when flooding damages structures. When this occurs, the policy will be re-evaluated to determine if changes are necessary.
P-8	<p>Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.</p>	All	High	Caswell County Building Inspections	Local	2030, Review and update post-event	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged. When this occurs, the policy will be re-evaluated to determine if changes are necessary.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-9	Create a zoning map (digital) that can be easily reproduced/updated for staff and public use.	All	High	Caswell County Planning and Zoning	Local	2030	The county has created a zoning map, but it will need to be updated periodically in the future so this action will remain in place.
P-10	Create layers of GIS data to maintain accurate and up to date information about critical facilities, hazard event history, Flood Plains, etc.	All	High	Caswell County Planning and Zoning, Caswell County GIS	Local	2030	GIS layers have been created for critical facilities and to delineate floodplains. These layers will need to be updated in the future as new information becomes available.
<b>Property Protection</b>							
PP-1	Develop a formal process for identifying potential hazard mitigation issues as a result of new development	All	Moderate	Caswell County Planning and Zoning	Local	2030	The county has identified potential hazard issues that have resulted from new development but there is not a formal process for identifying mitigation opportunities so this will need to be developed.
PP-2	Develop a Redevelopment Plan for Severe Repetitive Loss areas within the County and Towns.	All	Low	Caswell County Planning and Zoning	Local	2030	The county has not developed a Redevelopment Plan for SRL areas. This will need to be completed.
PP-3	Improve shelter capacities with alternate power/heat sources.	All	High	Caswell County Emergency Services	Local	2030	Although many shelters have improved capacities, improvements in the form of generators or other heat sources are still necessary and will be pursued.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Emergency Services</b>							
ES-1	Ensure adequate evacuation warning in case of major hazard event.	All	High	Caswell County Emergency Services	Local	2030, In advance of events	The county always works to ensure adequate evacuation warning in the case of major hazard events and will continue to do so going forward.
<b>Public Education and Awareness</b>							
PEA-1	Place flood protection and other hazard education materials in all branches of the Caswell County public library system.	All	High	Caswell County Planning and Zoning	Local	2030	The county has placed education materials concerning hazards in all branches of the county library, but this action will need to be reviewed and revised as additional information is likely available and other outreach strategies will be explored.
PEA-2	The Caswell County Planning Director has received training on erosion and sedimentation control methods and on floodplain surveying certification. On an annual basis, this person makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.	Flooding	High	Caswell County Manger, Caswell County Planning and Zoning	Local	2030, Annual site visits	The Caswell County Planning Director has received training on erosion and sedimentation control methods and on floodplain surveying certification. On an annual basis, this person makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Yanceyville Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Caswell County Planning and Zoning	Local	2030	Although hazard mitigation objectives were reviewed at the last Land Use Plan update, they will need to be integrated again at the next update as well.
P-3	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding	Moderate	Caswell County Planning and Zoning	Local	2030	Generally, there are policies in place to minimize new structures being located in the floodplain. However, additional regulations may further reduce the number of structures at flood risk, so these will be considered going forward.
P-4	Update the Subdivision Ordinance by reviewing and incorporating hazard mitigation objectives.	All	Moderate	Caswell County Planning and Zoning	Local	2030	Some mitigation objectives have been integrated into the Subdivision Ordinance, but additional integration would be beneficial.
P-5	Update the Watershed Ordinance by reviewing and incorporating hazard mitigation objectives	All	Moderate	Caswell County Planning and Zoning	Local	2030	Some mitigation objectives have been integrated into the Watershed Ordinance, but additional integration would be beneficial.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-7	<p>Building Inspections – Flood Damaged Structures. Any and all portions of buildings that have been submerged for any length of time will be inspected for flood related damage as well as other conditions that may be dangerous to life, health or other property. Plan for Damaged Structures:</p> <ol style="list-style-type: none"> <li>1. Overall damage assessment/data collection (visual inspection from roadways).</li> <li>2. Data compiled and geographical areas assigned to teams.</li> <li>3. Second detailed assessment by area teams.</li> <li>4. Portions of walls, floors, ceilings, etc. that have been exposed to water will be opened for evaluation.</li> <li>5. All construction that is repaired, replaced, dried or sealed will be inspected before covered.</li> <li>6. Structure inspected for certificate of compliance.</li> </ol>	Flooding	High	Caswell County Building Inspections	Local	2030, Review and update post-event	The county has implemented inspections of flood damaged structures in the past utilizing the method outlined. This action will continue to be implemented going forward as required when flooding damages structures. When this occurs, the policy will be re-evaluated to determine if changes are necessary.
P-8	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Caswell County Building Inspections	Local	2030, Review and update post-event	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged. When this occurs, the policy will be re-evaluated to determine if changes are necessary.



## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-9	Create a zoning map (digital) that can be easily reproduced/updated for staff and public use.	All	High	Caswell County Planning and Zoning	Local	2030	The county has created a zoning map, but it will need to be updated periodically in the future so this action will remain in place.
P-10	Create layers of GIS data to maintain accurate and up to date information about critical facilities, hazard event history, Flood Plains, etc.	All	High	Caswell County Planning and Zoning, Caswell County GIS	Local	2030	GIS layers have been created for critical facilities and to delineate floodplains. These layers will need to be updated in the future as new information becomes available.
<b>Property Protection</b>							
PP-1	Develop a formal process for identifying potential hazard mitigation issues as a result of new development	All	Moderate	Caswell County Planning and Zoning	Local	2030	The county has identified potential hazard issues that have resulted from new development but there is not a formal process for identifying mitigation opportunities so this will need to be developed.
PP-2	Develop a Redevelopment Plan for Severe Repetitive Loss areas within the County and Towns.	All	Low	Caswell County Planning and Zoning	Local	2030	The county has not developed a Redevelopment Plan for SRL areas. This will need to be completed.
PP-3	Improve shelter capacities with alternate power/heat sources.	All	High	Caswell County Emergency Services	Local	2030	Although many shelters have improved capacities, improvements in the form of generators or other heat sources are still necessary and will be pursued.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Emergency Services</b>							
ES-1	Ensure adequate evacuation warning in case of major hazard event.	All	High	Caswell County Emergency Services	Local	2030, In advance of events	The county always works to ensure adequate evacuation warning in the case of major hazard events and will continue to do so going forward.
<b>Public Education and Awareness</b>							
PEA-1	Place flood protection and other hazard education materials in all branches of the Caswell County public library system.	All	High	Caswell County Planning and Zoning	Local	2030	The county has placed education materials concerning hazards in all branches of the county library, but this action will need to be reviewed and revised as additional information is likely available and other outreach strategies will be explored.
PEA-2	The Caswell County Planning Director has received training on erosion and sedimentation control methods and on floodplain surveying certification. On an annual basis, this person makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.	Flooding	High	Caswell County Manger, Caswell County Planning and Zoning	Local	2030, Annual site visits	The Caswell County Planning Director has received training on erosion and sedimentation control methods and on floodplain surveying certification. On an annual basis, this person makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.

## SECTION 9: MITIGATION ACTION PLAN

### Davie County Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-8	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Davie County Building Inspections	Local	2030, Review and update post-event	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged. When this occurs, the policy will be re-evaluated to determine if changes are necessary. As of 2019, the previous actions are still utilized. Additional notifications are made through the Everbridge program and on the County webpage.
P-9	Create a zoning map (digital) that can be easily reproduced/updated for staff and public use.	All	High	Davie County Planning and Zoning	Local	2030	The county has created a zoning map, but it will need to be updated periodically in the future so this action will remain in place. As of 2025, the digital mapping is up to date and available to the public.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding	Moderate	Davie County Planning and Zoning	Local	2030, Annual review and update	The county currently has a list of all repetitive loss properties, but that list will need to be updated to ensure any repetitive loss properties are on the radar of local officials and that mitigation strategies can be devised. As of 2025, the current list of repetitive loss properties is updated as needed.
PP-2	Improve shelter capacities with alternate power/heat sources.	All	High	Davie County Emergency Services	Local	2030	Although many shelters have improved capacities, improvements in the form of generators or other heat sources are still necessary and will be pursued. Additional generators and transfer switches have been added to facilities since 2014.
<b>Emergency Services</b>							
ES-1	Ensure adequate evacuation warning in case of major hazard event.	All	High	Davie County Emergency Services	Local	2030, In advance of events	The county always works to ensure adequate evacuation warning in the case of major hazard events and will continue to do so going forward. As of 2025, the County utilizes Everbridge, local media resources and the County website to provide this information.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Public Education and Awareness</b>							
PEA-1	Place flood protection and other hazard education materials in all branches of the Davie County public library system.	All	High	Davie County Planning and Zoning	Local	2030	The county has placed education materials concerning hazards in all branches of the county library, but this action will need to be reviewed and revised as additional information is likely available and other outreach strategies will be explored. As of 2025, Davie County continues to follow this process.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PEA-2	Ensure that the Development Services Director is informed of erosion and sedimentation control methods and pushes this information out to the public.	Flooding	High	Davie County Development Services Director, Davie County Planning and Zoning	Local	2030, Annually	The Davie County Development Services Director has received training on erosion and sedimentation control methods and on floodplain surveying certification. On an annual basis, this person makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department. As of 2025, Davie County continues to follow this process.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Bermuda Run Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-2	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding	Moderate	Bermuda Run, Davie County Planning and Zoning	Local	2030	Through the planning and zoning process, Davie County ensures that there is a low impact from structures that may be in the 100-year floodplain by denying or restricting structures in these areas. Action to be revisited in 2030.
P-4	Update the Subdivision Ordinance by reviewing and incorporating hazard mitigation objectives.	All	Moderate	Bermuda Run, Davie County Planning and Zoning	Local	2030	Hazard mitigation is a high priority and strategies have been integrated and enforced through local ordinances. Action to be revisited in 2030.
P-5	Review and revise the Planning Ordinance to allow for clustering of residential lots.	Flooding	Moderate	Bermuda Run, Davie County Planning and Zoning	Local	2030	Although clustering of development is allowed through the watershed protection chapter of the land usage article, the county will work to further encourage cluster development in the future. As of 2025 Davie County has continued to encourage cluster development.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-8	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Bermuda Run, Davie County Building Inspections	Local	2030, Review and update post-event	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged. When this occurs, the policy will be re-evaluated to determine if changes are necessary. As of 2025 the previous actions are still utilized. Additional notifications are made through the Everbridge program and on the County webpage.
P-9	Create a zoning map (digital) that can be easily reproduced/updated for staff and public use.	All	High	Bermuda Run, Davie County Planning and Zoning	Local	2030	The county has created a zoning map, but it will need to be updated periodically in the future so this action will remain in place. As of 2025, the digital mapping is up to date and available to the public.



## SECTION 9: MITIGATION ACTION PLAN

Property Protection							
Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding	Moderate	Bermuda Run, Davie County Planning and Zoning	Local	2030, Annual review and update	The county currently has a list of all repetitive loss properties, but that list will need to be updated to ensure any repetitive loss properties are on the radar of local officials and that mitigation strategies can be devised. As of 2025 the current list of repetitive loss properties is updated as needed.
PP-2	Improve shelter capacities with alternate power/heat sources.	All	High	Bermuda Run, Davie County Emergency Services	Local	2030	Although many shelters have improved capacities, improvements in the form of generators or other heat sources are still necessary and will be pursued. As of 2025, additional generators and transfer switches have been added to facilities since 2014.
Emergency Services							
ES-1	Ensure adequate evacuation warning in case of major hazard event.	All	High	Bermuda Run, Davie County Emergency Services	Local	2030, In advance of events	The county always works to ensure adequate evacuation warning in the case of major hazard events and will continue to do so going forward. As of 2025, the County uses Everbridge, local media resources and the County website to provide this information.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Public Education and Awareness</b>							
PEA-1	Place flood protection and other hazard education materials in all branches of the Davie County public library system.	All	High	Bermuda Run, Davie County Planning and Zoning	Local	2030	The county has placed education materials concerning hazards in all branches of the county library, but this action will need to be reviewed and revised as additional information is likely available and other outreach strategies will be explored. As of 2025, the County still follows this process.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PEA-2	Ensure that the Development Services Director is informed of erosion and sedimentation control methods and pushes this information out to the public.	Flooding	High	Bermuda Run, Davie County Development Services Director, Davie County Planning and Zoning	Local	2030, Annually	The Davie County Development Services Director has received training on erosion and sedimentation control methods and on floodplain surveying certification. On an annual basis, this person makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department. As of 2025, the County continues to follow this process.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Cooleemee Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-2	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding	Moderate	Cooleemee, Davie County Planning and Zoning	Local	2030	Through the planning and zoning process, Davie County ensures that there is a low impact from structures that may be in the 100-year floodplain by denying or restricting structures in these areas. This action will be revisited in 2030.
P-4	Update the Subdivision Ordinance by reviewing and incorporating hazard mitigation objectives.	All	Moderate	Cooleemee, Davie County Planning and Zoning	Local	2030	Hazard mitigation is a high priority and strategies have been integrated and enforced through local ordinances. This action will be revisited in 2030.
P-5	Review and revise the Planning Ordinance to allow for clustering of residential lots.	Flooding	Moderate	Cooleemee, Davie County Planning and Zoning	Local	2030	Although clustering of development is allowed through the watershed protection chapter of the land usage article, the county will work to further encourage cluster development in the future. As of 2025 Davie County has continued to encourage cluster development.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-8	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Cooleemee, Davie County Building Inspections	Local	2030, Review and update post-event	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged. When this occurs, the policy will be re-evaluated to determine if changes are necessary. As of 2025 the previous actions are still utilized. Additional notifications are made through the Everbridge program and on the County webpage.
P-9	Create a zoning map (digital) that can be easily reproduced/updated for staff and public use.	All	High	Cooleemee, Davie County Planning and Zoning	Local	2030	The county has created a zoning map, but it will need to be updated periodically in the future so this action will remain in place. As of 2025, the digital mapping is up to date and available to the public.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding	Moderate	Cooleemee, Davie County Planning and Zoning	Local	2030, Annual review and update	The county currently has a list of all repetitive loss properties, but that list will need to be updated to ensure any repetitive loss properties are on the radar of local officials and that mitigation strategies can be devised. As of 2025 the current list of repetitive loss properties is updated as needed.
PP-2	Improve shelter capacities with alternate power/heat sources.	All	High	Cooleemee, Davie County Emergency Services	Local	2030	Although many shelters have improved capacities, improvements in the form of generators or other heat sources are still necessary and will be pursued. As of 2025, additional generators and transfer switches have been added to facilities since 2014.
<b>Emergency Services</b>							
ES-1	Ensure adequate evacuation warning in case of major hazard event.	All	High	Cooleemee, Davie County Emergency Services	Local	2030, In advance of events	The county always works to ensure adequate evacuation warning in the case of major hazard events and will continue to do so going forward. As of 2025, the County uses Everbridge, local media resources and the County website to provide this information.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Public Education and Awareness</b>							
PEA-1	Place flood protection and other hazard education materials in all branches of the Davie County public library system.	All	High	Cooleemee, Davie County Planning and Zoning	Local	2030	The county has placed education materials concerning hazards in all branches of the county library, but this action will need to be reviewed and revised as additional information is likely available and other outreach strategies will be explored. As of 2025, the County still follows this process.

## SECTION 9: MITIGATION ACTION PLAN

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Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PEA-2	Ensure that the Development Services Director is informed of erosion and sedimentation control methods and pushes this information out to the public.	Flooding	High	Cooleemee, Davie County Development Services Director, Davie County Planning and Zoning	Local	2030, Annually	The Davie County Development Services Director has received training on erosion and sedimentation control methods and on floodplain surveying certification. On an annual basis, this person makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department. As of 2025, the County continues to follow this process.



## SECTION 9: MITIGATION ACTION PLAN

### Town of Mocksville Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-2	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding	Moderate	Mocksville, Davie County Planning and Zoning	Local	2030	Through the planning and zoning process, Davie County ensures that there is a low impact from structures that may be in the 100-year floodplain by denying or restricting structures in these areas. This action will be revisited in 2030.
P-4	Update the Subdivision Ordinance by reviewing and incorporating hazard mitigation objectives.	All	Moderate	Mocksville, Davie County Planning and Zoning	Local	2030	Hazard mitigation is a high priority and strategies have been integrated and enforced through local ordinances. This action will be revisited in 2030.
P-5	Review and revise the Planning Ordinance to allow for clustering of residential lots.	Flooding	Moderate	Mocksville, Davie County Planning and Zoning	Local	2030	Although clustering of development is allowed through the watershed protection chapter of the land usage article, the county will work to further encourage cluster development in the future. As of 2025 Davie County has continued to encourage cluster development.
P-6	Revise and update the regulatory floodplain maps.	Flooding	High	Mocksville, Davie County Planning and Zoning	Federal, State	2030	Floodplain maps are updated by the state and while they have been updated relatively recently, another update of these maps is likely on the horizon. This action will be revisited in 2030.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-8	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Mocksville, Davie County Building Inspections	Local	2030, Review and update post-event	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged. When this occurs, the policy will be re-evaluated to determine if changes are necessary. As of 2025 the previous actions are still utilized. Additional notifications are made through the Everbridge program and on the County webpage.
P-9	Create a zoning map (digital) that can be easily reproduced/updated for staff and public use.	All	High	Mocksville, Davie County Planning and Zoning	Local	2030	The county has created a zoning map, but it will need to be updated periodically in the future so this action will remain in place. As of 2025, the digital mapping is up to date and available to the public.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding	Moderate	Mocksville, Davie County Planning and Zoning	Local	2030, Annual review and update	The county currently has a list of all repetitive loss properties, but that list will need to be updated to ensure any repetitive loss properties are on the radar of local officials and that mitigation strategies can be devised. As of 2025 the current list of repetitive loss properties is updated as needed.
PP-2	Improve shelter capacities with alternate power/heat sources.	All	High	Mocksville, Davie County Emergency Services	Local	2030	Although many shelters have improved capacities, improvements in the form of generators or other heat sources are still necessary and will be pursued. As of 2025, additional generators and transfer switches have been added to facilities since 2014.
<b>Emergency Services</b>							
ES-1	Ensure adequate evacuation warning in case of major hazard event.	All	High	Mocksville, Davie County Emergency Services	Local	2030, In advance of events	The county always works to ensure adequate evacuation warning in the case of major hazard events and will continue to do so going forward. As of 2025, the County uses Everbridge, local media resources and the County website to provide this information.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Public Education and Awareness</b>							
PEA-1	Place flood protection and other hazard education materials in all branches of the Davie County public library system.	All	High	Mocksville, Davie County Planning and Zoning	Local	2030	The county has placed education materials concerning hazards in all branches of the county library, but this action will need to be reviewed and revised as additional information is likely available and other outreach strategies will be explored. As of 2025, the County still follows this process.

## SECTION 9: MITIGATION ACTION PLAN

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Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PEA-2	Ensure that the Development Services Director is informed of erosion and sedimentation control methods and pushes this information out to the public.	Flooding	High	Mocksville, Davie County Development Services Director, Davie County Planning and Zoning	Local	2030, Annually	The Davie County Development Services Director has received training on erosion and sedimentation control methods and on floodplain surveying certification. On an annual basis, this person makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department. As of 2025, the County continues to follow this process.

## SECTION 9: MITIGATION ACTION PLAN

### Forsyth County Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Winston-Salem/Forsyth County Planning	Local	2030	Many hazard mitigation objectives have been included in the Land Use Plan Update already but, in conjunction with its efforts to improve its CRS rating, the county will look at including actions to increase the amount of open space it has and prevent infrastructure expansion in flood prone areas.
P-6	Revise, update, and locally adopt floodplain maps (FIRMs – Flood Insurance Rate Maps).	Flooding	High	Winston-Salem Stormwater Division	Federal, State, Local	2030	This action is dependent on the NC Floodplain Mapping Program. We know they had survey crews in Forsyth County back in 2020-21. However, we haven't been given any official notification from the NC Floodplain Mapping Program on when preliminary maps will be made available. This action should be carried forward and will hopefully have resolution in the coming years.
P-17	Conduct regular training on recognizing threats and safe online practices	Cybersecurity	High	Winston-Salem/Forsyth County EM and Winston-Salem IT and County IS	Local, state, federal	2030	New action for the 2025 plan.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-18	Invest in cybersecurity measures for local government systems, including firewalls and security audits.	Cybersecurity	High	Winston-Salem/Forsyth County EM and Winston-Salem IT and County IS	Local, state, federal	2030	New action for the 2025 plan.
<b>Property Protection</b>							
PP-2	Acquire and remove or elevate homes in flood prone areas.	Flooding	High	Winston-Salem Stormwater Division	Federal grants, property owner cost share	2030	The CoWS Stormwater Divisions involvement with the FEMA HMGP for Private Property Acquisition Program has been temporarily placed in a status of dormancy due to the lack of available personnel and resources. With current projections of staff workload and increased departmental demands, we do not envision any foreseeable timeframe for placing this program back online. However, this action should be carried forward in the NPHMP since the program could be brought back online in the future if personnel and resources become more available.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PP-4	Equip an emergency shelter with an alternate power source.	All	Moderate	Winston-Salem/Forsyth County Emergency Management	Federal grant, Local staff costs	2030	Displacement of individuals and families during emergencies require local governments to provide emergency shelter. Past Forsyth County events include severe winter weather and tropical systems, but shelters may be used for other types of emergencies. These emergencies often result in widespread power outages that affect shelter locations. Shelter locations include Winston-Salem/Forsyth County Schools. This action is estimated to cost \$50,000. As of 2025, no monies have become available to support this activity.



## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Emergency Services</b>							
ES-6	Install stream gauges along flood prone streams for flood warning and alerting purposes.	Flooding	Moderate	Winston-Salem Stormwater Division	Federal, Local, Local staff costs	2030	No new stream gauges have been installed by the CoWS Stormwater Division. To the best of our knowledge, August Vernon was seeking local funding for new stream gauges from the City Manager's Office when Patrice Toney was the acting City Manager. This was a considerable time ago, so we do not know the current status of this action. The intent would be for this action to be carried forward until funding can be secured and additional stream gauges installed.
ES-8	Create maps indicating flood inundation areas during high hazard dam failure.	Dam Failures	High	Map Forsyth	Local staff time	Complete	All high hazard dams have been mapped with inundation areas, critical infrastructure and buildings (residential & commercial) indicated. These maps are available to emergency management and all stakeholders with access to WebEOC. This action will be removed in the 2030 plan.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-9	Ensure adequate evacuation alert and warning in case of any major hazard throughout the county.	All	High	Winston-Salem/Forsyth County EM	Local, state, federal	2030	New action for the 2025 plan.
ES-10	Upgrade communication systems for reliable information flow, including community alert systems and social media for realtime updates.	All	High	Winston-Salem/Forsyth County EM	Local, state, federal	2030	New action for the 2025 plan.
<b>Public Education and Awareness</b>							
PEA-5	Update and maintain ReadyFORSYTH website, ReadyFORSYTH social media, and ReadyFORSYTH web application for mobile devices on a daily basis.	All	High	Winston-Salem/Forsyth County Emergency Management	Local	Complete	The Ready FORSYTH website has been upgraded and is now ADA/508 compliant. This action will be removed from the 2030 update.
PEA-6	Implement educational initiatives to inform community members about emergency management and mitigation measures before, during and after hazard impacts.	All	Medium	Winston-Salem/Forsyth County EM	Local, state, federal	2030	New action for the 2025 plan.
PEA-7	Launch campaigns to educate residents on heat risks, prevention strategies and self-preservation.	Excessive Heat	Medium	Winston-Salem/Forsyth County EM	Local, state, federal	2030	New action for the 2025 plan.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Bethania Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Town of Bethania, Winston-Salem/Forsyth County Planning	Local	2030	Many hazard mitigation objectives have been included in the Land Use Plan Update already but, in conjunction with its efforts to improve its CRS rating, the county will look at including actions to increase the amount of open space it has and prevent infrastructure expansion in flood prone areas.
P-6	Revise, update, and locally adopt floodplain maps (FIRMs – Flood Insurance Rate Maps).	Flooding	High	Town of Bethania, Winston-Salem Stormwater Division	Federal, State, Local	Present – December 2030	This action is dependent on the NC Floodplain Mapping Program. We know they had survey crews in Forsyth County back in 2020-21. However, we haven't been given any official notification from the NC Floodplain Mapping Program on when preliminary maps will be made available. This action should be carried forward and will hopefully have resolution in the coming years.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-4	Equip an emergency shelter with an alternate power source.	All	Moderate	Winston-Salem/Forsyth County Emergency Management	Federal grant, Local staff costs	2030	Displacement of individuals and families during emergencies require local governments to provide emergency shelter. Past Forsyth County events include severe winter weather and tropical systems, but shelters may be used for other types of emergencies. These emergencies often result in widespread power outages that affect shelter locations. Shelter locations include Winston-Salem/Forsyth County Schools. This action is estimated to cost \$50,000. As of 2025, no monies have become available to support this activity.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-6	Install stream gauges along flood prone streams for flood warning and alerting purposes.	Flooding	Moderate	Winston-Salem Stormwater Division	Federal, Local, Local staff costs	2030	No new stream gauges have been installed by the CoWS Stormwater Division. To the best of our knowledge, August Vernon was seeking local funding for new stream gauges from the City Manager's Office when Patrice Toney was the acting City Manager. This was a considerable time ago, so we do not know the current status of this action. The intent would be for this action to be carried forward until funding can be secured and additional stream gauges installed.

## SECTION 9: MITIGATION ACTION PLAN

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Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-8	Create maps indicating flood inundation areas during high hazard dam failure.	Dam Failures	High	Map Forsyth	Local staff time	2030	All high hazard dams have been identified, mapped in individual PDFs and placed on WebEOC.
<b>Public Education and Awareness</b>							
PEA-5	Update and maintain ReadyFORSYTH website, ReadyFORSYTH social media, and ReadyFORSYTH web application for mobile devices on a daily basis.	All	High	Winston-Salem/Forsyth County Emergency Management	Local	Complete	The Ready FORSYTH website has been upgraded and is now ADA/508 compliant. This action will be removed from the 2030 update.

## SECTION 9: MITIGATION ACTION PLAN

### Village of Clemmons Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Comprehensive Plan Update, review and include hazard mitigation objectives.	All	Moderate	Village of Clemmons, Planning and Community Development	Local	2028	Many hazard mitigation objectives have been included in the Comprehensive Plan Update already but, in conjunction with its efforts to improve its CRS rating, the county will look at including actions to increase the amount of open space it has and prevent infrastructure expansion in flood prone areas.
P-2	Acquire, remove, or elevate homes in flood-prone areas.	Flooding	Moderate	Village of Clemmons	Federal Grants, property owner cost share	2030	New Action for 2025 update. The Village of Clemmons has several flood prone areas and NFIP Repetitive Loss properties.
P-3	Review and include hazard mitigation objectives that apply to the Unified Development Ordinance	All	Moderate	Village of Clemmons Planning and Community Development	Local	2026	New Action for 2025 update. Mitigation-related objectives need to be included in the Unified Development Ordinance.
P-4	Develop a comprehensive Capital Improvement Plan	All	Moderate	Village of Clemmons	Local	2028	New Action for 2025 update. The Village needs to develop a comprehensive Capital Improvement Plan (CIP) that includes mitigation improvements.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-5	Design and install improvements to drainage systems, erosion control, and stream stabilization measures in vulnerable areas.	Flooding	Moderate	Village of Clemmons	Federal grants, Local funds	2030	New action for the 2025 update. Capital improvements are being made to reduce flood risk and protect vital infrastructure, enabling it to better withstand hazards.
P-6	Design and install infrastructure upgrades, such as underground powerlines and road repairs, to better withstand hazards.	All	Moderate	Village of Clemmons, Duke Energy, Winston-Salem/Forsyth County Public Utilities	Federal grants, Local funds	2030	New action for the 2025 update. Capital improvements are being made to reduce flood risk and protect vital infrastructure, enabling it to better withstand hazards.



## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-7	Investing in a cybersecurity program that conducts security assessments and training for local organizations and personnel. Implementation would also include the creation of an online portal with resources and best practices to enhance cybersecurity.	Cybersecurity	Moderate	Village of Clemmons	Federal grants, Local funds	2030	A cybersecurity program would be established to oversee assessments, training, and implementation of the online portal.
<b>Property Protection</b>							
PP-4	Equip an emergency shelter with an alternate power source.	All	Moderate	Winston-Salem/Forsyth County Emergency Management	Federal grant, Local staff costs	2030	Displacement of individuals and families during emergencies require local governments to provide emergency shelter. Past Forsyth County events include Severe Winter Weathers and tropical systems, but shelters may be used for other types of emergencies. These emergencies often result in widespread power outages that affect shelter locations. Shelter locations include Winston-Salem/Forsyth County Schools. This action is estimated to cost \$50,000. As of 2025, no monies have become available to support this activity.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-6	Install stream gauges along flood prone streams for flood warning and alerting purposes.	Flooding	Moderate	Winston-Salem Stormwater Division	Federal, Local, Local staff costs	2030	No new stream gauges have been installed by the CoWS Stormwater Division. To the best of our knowledge, August Vernon was seeking local funding for new stream gauges from the City Manager's Office when Patrice Toney was the acting City Manager. This was a considerable time ago, so we do not know the current status of this action. The intent would be for this action to be carried forward until funding can be secured and additional stream gauges installed.
ES-8	Create maps indicating flood inundation areas during high hazard dam failure.	Dam Failures	High	Map Forsyth	Local staff time	2025	All high hazard dams have been identified, mapped in individual PDFs and placed on WebEOC.
<b>Public Education and Awareness</b>							
PEA-5	Update and maintain ReadyFORSYTH website, ReadyFORSYTH social media, and ReadyFORSYTH web application for mobile devices on a daily basis.	All	High	Winston-Salem/Forsyth County Emergency Management	Local	Complete	The Ready FORSYTH website has been upgraded and is now ADA/508 compliant. This action will be removed from the 2030 update.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Kernersville Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Town of Kernersville, Winston-Salem/Forsyth County Planning	Local	2030	Many hazard mitigation objectives have been included in the Land Use Plan Update already but, in conjunction with its efforts to improve its CRS rating, the county will look at including actions to increase the amount of open space it has and prevent infrastructure expansion in flood prone areas.
P-6	Revise, update, and locally adopt floodplain maps (FIRMs – Flood Insurance Rate Maps).	Flooding	High	Town of Kernersville, Winston-Salem Stormwater Division	Federal, State, Local	2030	This action is dependent on the NC Floodplain Mapping Program. We know they had survey crews in Forsyth County back in 2020-21. However, we haven't been given any official notification from the NC Floodplain Mapping Program on when preliminary maps will be made available. This action should be carried forward and will hopefully have resolution in the coming years.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-4	Equip an emergency shelter with an alternate power source.	All	Moderate	Winston-Salem/Forsyth County Emergency Management	Federal grant, Local staff costs	2030	Displacement of individuals and families during emergencies require local governments to provide emergency shelter. Past Forsyth County events include Severe Winter Weathers and tropical systems, but shelters may be used for other types of emergencies. These emergencies often result in widespread power outages that affect shelter locations. Shelter locations include Winston-Salem/Forsyth County Schools. This action is estimated to cost \$50,000. As of 2025, no monies have become available to support this activity.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-6	Install stream gauges along flood prone streams for flood warning and alerting purposes.	Flooding	Moderate	Winston-Salem Stormwater Division	Federal, Local, Local staff costs	2030	No new stream gauges have been installed by the CoWS Stormwater Division. To the best of our knowledge, August Vernon was seeking local funding for new stream gauges from the City Manager's Office when Patrice Toney was the acting City Manager. This was a considerable time ago, so we do not know the current status of this action. The intent would be for this action to be carried forward until funding can be secured and additional stream gauges installed.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-8	Create maps indicating flood inundation areas during high hazard dam failure.	Dam Failures	High	Map Forsyth	Local staff time	2030	All high hazard dams have been identified, mapped in individual PDFs and placed on WebEOC.
<b>Public Education and Awareness</b>							
PEA-5	Update and maintain ReadyFORSYTH website, ReadyFORSYTH social media, and ReadyFORSYTH web application for mobile devices on a daily basis.	All	High	Winston-Salem/Forsyth County Emergency Management	Local	Complete	The Ready FORSYTH website has been upgraded and is now ADA/508 compliant. This action will be removed from the 2030 update.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Lewisville Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Town of Lewisville, Winston-Salem/Forsyth County Planning	Local	2030	Many hazard mitigation objectives have been included in the Land Use Plan Update already but, in conjunction with its efforts to improve its CRS rating, the county will look at including actions to increase the amount of open space it has and prevent infrastructure expansion in flood prone areas.
P-6	Revise, update, and locally adopt floodplain maps (FIRMs – Flood Insurance Rate Maps).	Flooding	High	Town of Lewisville, Winston-Salem Stormwater Division	Federal, State, Local	2030	This action is dependent on the NC Floodplain Mapping Program. We know they had survey crews in Forsyth County back in 2020-21. However, we haven't been given any official notification from the NC Floodplain Mapping Program on when preliminary maps will be made available. This action should be carried forward and will hopefully have resolution in the coming years.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-4	Equip an emergency shelter with an alternate power source.	All	Moderate	Winston-Salem/Forsyth County Emergency Management	Federal grant, Local staff costs	2030	Displacement of individuals and families during emergencies require local governments to provide emergency shelter. Past Forsyth County events include Severe Winter Weathers and tropical systems, but shelters may be used for other types of emergencies. These emergencies often result in widespread power outages that affect shelter locations. Shelter locations include Winston-Salem/Forsyth County Schools. This action is estimated to cost \$50,000. As of 2025, no monies have become available to support this activity.



## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-6	Install stream gauges along flood prone streams for flood warning and alerting purposes.	Flooding	Moderate	Winston-Salem Stormwater Division	Federal, Local, Local staff costs	2030	No new stream gauges have been installed by the CoWS Stormwater Division. To the best of our knowledge, August Vernon was seeking local funding for new stream gauges from the City Manager's Office when Patrice Toney was the acting City Manager. This was a considerable time ago, so we do not know the current status of this action. The intent would be for this action to be carried forward until funding can be secured and additional stream gauges installed.

**SECTION 9: MITIGATION ACTION PLAN**

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-8	Create maps indicating flood inundation areas during high hazard dam failure.	Dam Failures	High	Map Forsyth	Local staff time	2030	All high hazard dams have been identified, mapped in individual PDFs and placed on WebEOC.
<b>Public Education and Awareness</b>							
PEA-5	Update and maintain ReadyFORSYTH website, ReadyFORSYTH social media, and ReadyFORSYTH web application for mobile devices on a daily basis.	All	High	Winston-Salem/Forsyth County Emergency Management	Local	Complete	The Ready FORSYTH website has been upgraded and is now ADA/508 compliant. This action will be removed from the 2030 update.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Rural Hall Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Town of Rural Hall, Winston-Salem/Forsyth County Planning	Local	2030	Many hazard mitigation objectives have been included in the Land Use Plan Update already but, in conjunction with its efforts to improve its CRS rating, the county will look at including actions to increase the amount of open space it has and prevent infrastructure expansion in flood prone areas.
<b>Property Protection</b>							
PP-4	Equip an emergency shelter with an alternate power source.	All	Moderate	Winston-Salem/Forsyth County Emergency Management	Federal grant, Local staff costs	2030	Displacement of individuals and families during emergencies require local governments to provide emergency shelter. Past Forsyth County events include Severe Winter Weathers and tropical systems, but shelters may be used for other types of emergencies. These emergencies often result in widespread power outages that affect shelter locations. Shelter locations include Winston-Salem/Forsyth County Schools. This action is estimated to cost \$50,000. As of 2025, no monies have become available to support this activity.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-6	Install stream gauges along flood prone streams for flood warning and alerting purposes.	Flooding	Moderate	Winston-Salem Stormwater Division	Federal, Local, Local staff costs	2030	No new stream gauges have been installed by the CoWS Stormwater Division. To the best of our knowledge, August Vernon was seeking local funding for new stream gauges from the City Manager's Office when Patrice Toney was the acting City Manager. This was a considerable time ago, so we do not know the current status of this action. The intent would be for this action to be carried forward until funding can be secured and additional stream gauges installed.

**SECTION 9: MITIGATION ACTION PLAN**

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-8	Create maps indicating flood inundation areas during high hazard dam failure.	Dam Failures	High	Map Forsyth	Local staff time	2030	All high hazard dams have been identified, mapped in individual PDFs and placed on WebEOC.
<b>Public Education and Awareness</b>							
PEA-5	Update and maintain ReadyFORSYTH website, ReadyFORSYTH social media, and ReadyFORSYTH web application for mobile devices on a daily basis.	All	High	Winston-Salem/Forsyth County Emergency Management	Local	Complete	The Ready FORSYTH website has been upgraded and is now ADA/508 compliant. This action will be removed from the 2030 update.

## Village of Tobaccoville Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Village of Tobaccoville, Winston-Salem/Forsyth County Planning	Local	2030	Many hazard mitigation objectives have been included in the Land Use Plan Update already but, in conjunction with its efforts to improve its CRS rating, the county will look at including actions to increase the amount of open space it has and prevent infrastructure expansion in flood prone areas.
P-6	Revise, update, and locally adopt floodplain maps (FIRMs – Flood Insurance Rate Maps).	Flooding	High	Village of Tobaccoville, Winston-Salem Stormwater Division	Federal, State, Local	2030	This action is dependent on the NC Floodplain Mapping Program. We know they had survey crews in Forsyth County back in 2020-21. However, we haven't been given any official notification from the NC Floodplain Mapping Program on when preliminary maps will be made available. This action should be carried forward and will hopefully have resolution in the coming years.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-4	Equip an emergency shelter with an alternate power source.	All	Moderate	Winston-Salem/Forsyth County Emergency Management	Federal grant, Local staff costs	2030	Displacement of individuals and families during emergencies require local governments to provide emergency shelter. Past Forsyth County events include Severe Winter Weathers and tropical systems, but shelters may be used for other types of emergencies. These emergencies often result in widespread power outages that affect shelter locations. Shelter locations include Winston-Salem/Forsyth County Schools. This action is estimated to cost \$50,000. As of 2025, no monies have become available to support this activity.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-6	Install stream gauges along flood prone streams for flood warning and alerting purposes.	Flooding	Moderate	Winston-Salem Stormwater Division	Federal, Local, Local staff costs	2030	No new stream gauges have been installed by the CoWS Stormwater Division. To the best of our knowledge, August Vernon was seeking local funding for new stream gauges from the City Manager's Office when Patrice Toney was the acting City Manager. This was a considerable time ago, so we do not know the current status of this action. The intent would be for this action to be carried forward until funding can be secured and additional stream gauges installed.



## SECTION 9: MITIGATION ACTION PLAN

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Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-8	Create maps indicating flood inundation areas during high hazard dam failure.	Dam Failures	High	Map Forsyth	Local staff time	2030	All high hazard dams have been identified, mapped in individual PDFs and placed on WebEOC.
<b>Public Education and Awareness</b>							
PEA-5	Update and maintain ReadyFORSYTH website, ReadyFORSYTH social media, and ReadyFORSYTH web application for mobile devices on a daily basis.	All	High	Winston-Salem/Forsyth County Emergency Management	Local	Complete	The Ready FORSYTH website has been upgraded and is now ADA/508 compliant. This action will be removed from the 2030 update.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Walkertown Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Town of Walkertown, Winston-Salem/Forsyth County Planning	Local	2030	Many hazard mitigation objectives have been included in the Land Use Plan Update already but, in conjunction with its efforts to improve its CRS rating, the county will look at including actions to increase the amount of open space it has and prevent infrastructure expansion in flood prone areas.
P-6	Revise, update, and locally adopt floodplain maps (FIRMs – Flood Insurance Rate Maps).	Flooding	High	Town of Walkertown, Winston-Salem Stormwater Division	Federal, State, Local	2030	This action is dependent on the NC Floodplain Mapping Program. We know they had survey crews in Forsyth County back in 2020-21. However, we haven't been given any official notification from the NC Floodplain Mapping Program on when preliminary maps will be made available. This action should be carried forward and will hopefully have resolution in the coming years.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-4	Equip an emergency shelter with an alternate power source.	All	Moderate	Winston-Salem/Forsyth County Emergency Management	Federal grant, Local staff costs	2030	Displacement of individuals and families during emergencies require local governments to provide emergency shelter. Past Forsyth County events include Severe Winter Weathers and tropical systems, but shelters may be used for other types of emergencies. These emergencies often result in widespread power outages that affect shelter locations. Shelter locations include Winston-Salem/Forsyth County Schools. This action is estimated to cost \$50,000. As of 2025, no monies have become available to support this activity.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-6	Install stream gauges along flood prone streams for flood warning and alerting purposes.	Flooding	Moderate	Winston-Salem Stormwater Division	Federal, Local, Local staff costs	2030	No new stream gauges have been installed by the CoWS Stormwater Division. To the best of our knowledge, August Vernon was seeking local funding for new stream gauges from the City Manager's Office when Patrice Toney was the acting City Manager. This was a considerable time ago, so we do not know the current status of this action. The intent would be for this action to be carried forward until funding can be secured and additional stream gauges installed.

## SECTION 9: MITIGATION ACTION PLAN

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Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-8	Create maps indicating flood inundation areas during high hazard dam failure.	Dam Failures	High	Map Forsyth	Local staff time	2030	All high hazard dams have been identified, mapped in individual PDFs and placed on WebEOC.
<b>Public Education and Awareness</b>							
PEA-5	Update and maintain ReadyFORSYTH website, ReadyFORSYTH social media, and ReadyFORSYTH web application for mobile devices on a daily basis.	All	High	Winston-Salem/Forsyth County Emergency Management	Local	Complete	The Ready FORSYTH website has been upgraded and is now ADA/508 compliant. This action will be removed from the 2030 update.

## SECTION 9: MITIGATION ACTION PLAN

### City of Winston-Salem Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	City of Winston-Salem, Winston-Salem/Forsyth County Planning	Local	2030	Many hazard mitigation objectives have been included in the Land Use Plan Update already but, in conjunction with its efforts to improve its CRS rating, the county will look at including actions to increase the amount of open space it has and prevent infrastructure expansion in flood prone areas.
P-6	Revise, update, and locally adopt floodplain maps (FIRMs – Flood Insurance Rate Maps).	Flooding	High	City of Winston-Salem, Winston-Salem Stormwater Division	Federal, State, Local	2030	This action is dependent on the NC Floodplain Mapping Program. We know they had survey crews in Forsyth County back in 2020-21. However, we haven't been given any official notification from the NC Floodplain Mapping Program on when preliminary maps will be made available. This action should be carried forward and will hopefully have resolution in the coming years.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-2	Acquire and remove or elevate homes in flood prone areas.	Flooding	High	Winston-Salem Stormwater Division	Federal grants, property owner cost share	2030	The CoWS Stormwater Divisions involvement with the FEMA HMGP for Private Property Acquisition Program has been temporarily placed in a status of dormancy due to the lack of available personnel and resources. With current projections of staff workload and increased departmental demands, we do not envision any foreseeable timeframe for placing this program back online. However, this action should be carried forward in the NPHMP since the program could be brought back online in the future if personnel and resources become more available.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PP-2	Equip an emergency shelter with an alternate power source.	All	Moderate	Winston-Salem/Forsyth County Emergency Management	Federal grant, Local staff costs	2030	Displacement of individuals and families during emergencies require local governments to provide emergency shelter. Past Forsyth County events include Severe Winter Weathers and tropical systems, but shelters may be used for other types of emergencies. These emergencies often result in widespread power outages that affect shelter locations. Shelter locations include Winston-Salem/Forsyth County Schools. This action is estimated to cost \$50,000. As of 2025, no monies have become available to support this activity.



## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-6	Install stream gauges along flood prone streams for flood warning and alerting purposes.	Flooding	Moderate	Winston-Salem Stormwater Division	Federal, Local, Local staff costs	2030	No new stream gauges have been installed by the CoWS Stormwater Division. To the best of our knowledge, August Vernon was seeking local funding for new stream gauges from the City Manager's Office when Patrice Toney was the acting City Manager. This was a considerable time ago, so we do not know the current status of this action. The intent would be for this action to be carried forward until funding can be secured and additional stream gauges installed.

## SECTION 9: MITIGATION ACTION PLAN

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Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-8	Create maps indicating flood inundation areas during high hazard dam failure.	Dam Failures	High	Map Forsyth	Local staff time	2030	All high hazard dams have been identified, mapped in individual PDFs and placed on WebEOC.
<b>Public Education and Awareness</b>							
PEA-5	Update and maintain ReadyFORSYTH website, ReadyFORSYTH social media, and ReadyFORSYTH web application for mobile devices on a daily basis.	All	High	Winston-Salem/Forsyth County Emergency Management	Local	Complete	The Ready FORSYTH website has been upgraded and is now ADA/508 compliant. This action will be removed from the 2030 update.

## SECTION 9: MITIGATION ACTION PLAN

### Rockingham County Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Rockingham County Planning and Zoning	Local	2030, Reviewed Annually	Hazard Mitigation objectives are reviewed annually.
P-2	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding / Dam Failures	Moderate	Rockingham County Planning and Zoning	Local	2030, Reviewed Annually	Generally, there are policies in place to minimize new structures being located in the floodplain. However, additional regulations may further reduce the number of structures at flood risk, so these will be considered going forward.
P-3	Revise and update the regulatory floodplain maps.	Flooding / Dam Failures	High	Rockingham County Planning and Zoning	Federal, State	2030	Floodplain maps are updated by the state and are updated by the County as needed.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-4	<p>Building Inspections – Flood Damaged Structures. Any and all portions of buildings that have been submerged for any length of time will be inspected for flood related damage as well as other conditions that may be dangerous to life, health or other property. Plan for Damaged Structures:</p> <ol style="list-style-type: none"> <li>1. Overall damage assessment/data collection (visual inspection from roadways).</li> <li>2. Data compiled and geographical areas assigned to teams.</li> <li>3. Second detailed assessment by area teams.</li> <li>4. Portions of walls, floors, ceilings, etc. that have been exposed to water will be opened for evaluation.</li> <li>5. All construction that is repaired, replaced, dried or sealed will be inspected before covered.</li> <li>6. Structure inspected for certificate of compliance.</li> </ol>	Flooding / Dam Failures	High	Rockingham County Building Inspections	Local	2030	<p>Completed and ongoing. Planning, Zoning and Inspection will assess buildings on an ongoing basis as needed.</p> <p>There have been no structures that have been submerged for a lengthy time since 2016.</p>
P-5	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; 3) conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Rockingham County Building Inspections	Local	2030	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding / Dam Failures	Moderate	Rockingham County Planning and Zoning	Local	2030, Annual review and update	The county currently has a list of all repetitive loss properties, and this list is updated as needed.
<b>Emergency Services</b>							
ES-1	Identify alternate Emergency Operations Center locations.	All	High	Rockingham County Emergency Services	Local	Complete	Primary EOC is located at the Emergency Services Building. The backup EOC is located at the 9-1-1 Center. This action will be removed from the 2030 plan.
<b>Public Education and Awareness</b>							
PEA-1	Ensure that the Public Information/County Engineer is informed of erosion and sedimentation control methods and pushes this information out to the public.	Flooding / Dam Failures	High	Rockingham County Engineer, Rockingham County Planning and Zoning	Local	2030, Annually	On an annual basis, the County Engineer, or their designee, makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.

**SECTION 9: MITIGATION ACTION PLAN****City of Eden Mitigation Action Plan**

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Rockingham County Planning and Zoning, City of Eden	Local	2030, Reviewed Annually	Hazard Mitigation objectives are reviewed annually.
P-2	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding /Dam Failures	Moderate	Rockingham County Planning and Zoning, City of Eden	Local	Reviewed Annually	Generally, there are policies in place to minimize new structures being located in the floodplain. However, additional regulations may further reduce the number of structures at flood risk, so these will be considered going forward.
P-3	Revise and update the regulatory floodplain maps.	Flooding/Dam Failures	High	Rockingham County Planning and Zoning, City of Eden	Federal, State	2030	Floodplain maps are updated by the state and are updated by the County as needed.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-4	<p>Building Inspections – Flood Damaged Structures. Any and all portions of buildings that have been submerged for any length of time will be inspected for flood related damage as well as other conditions that may be dangerous to life, health or other property. Plan for Damaged Structures:</p> <ol style="list-style-type: none"> <li>1. Overall damage assessment/data collection (visual inspection from roadways).</li> <li>2. Data compiled and geographical areas assigned to teams.</li> <li>3. Second detailed assessment by area teams.</li> <li>4. Portions of walls, floors, ceilings, etc. that have been exposed to water will be opened for evaluation.</li> <li>5. All construction that is repaired, replaced, dried or sealed will be inspected before covered.</li> <li>6. Structure inspected for certificate of compliance.</li> </ol>	Flooding / Dam Failures	High	Rockingham County Building Inspections, City of Eden	Local	2030	<p>Completed and ongoing. Planning, Zoning and Inspection will assess buildings as needed.</p> <p>There have been no structures that have been submerged for a lengthy time since 2016.</p>
P-5	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; 3) conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Rockingham County Building Inspections, City of Eden	Local	2030	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding / Dam Failures	Moderate	Rockingham County Planning and Zoning, City of Eden	Local	2030, Annual review and update	The county currently has a list of all repetitive loss properties, and this list is updated as needed.
<b>Emergency Services</b>							
ES-1	Identify alternate Emergency Operations Center locations.	All	High	Rockingham County Emergency Services	Local	Complete	Primary EOC is located at the Emergency Services Building. The backup EOC is located at the 9-1-1 Center. This action will be removed from the 2030 plan.
<b>Public Education and Awareness</b>							
PEA-1	Ensure that the Public Information/County Engineer is informed of erosion and sedimentation control methods and pushes this information out to the public.	Flooding / Dam Failures	High	Rockingham County Public Information/ County Engineer, Rockingham County Planning and Zoning, City of Eden	Local	2030, Annually	The Rockingham County Public Information/County Engineer will make numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.



## SECTION 9: MITIGATION ACTION PLAN

### Town of Madison Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Rockingham County Planning and Zoning, Town of Madison	Local	2030, Reviewed Annually	Hazard Mitigation objectives are reviewed annually.
P-2	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding / Dam Failures	Moderate	Rockingham County Planning and Zoning, Town of Madison	Local	Reviewed Annually	Generally, there are policies in place to minimize new structures being located in the floodplain. However, additional regulations may further reduce the number of structures at flood risk, so these will be considered going forward.
P-3	Revise and update the regulatory floodplain maps.	Flooding / Dam Failures	High	Rockingham County Planning and Zoning, Town of Madison	Federal, State	2030	Floodplain maps are updated by the state and are updated by the County as needed.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-4	<p>Building Inspections – Flood Damaged Structures. Any and all portions of buildings that have been submerged for any length of time will be inspected for flood related damage as well as other conditions that may be dangerous to life, health or other property. Plan for Damaged Structures:</p> <ol style="list-style-type: none"> <li>1. Overall damage assessment/data collection (visual inspection from roadways).</li> <li>2. Data compiled and geographical areas assigned to teams.</li> <li>3. Second detailed assessment by area teams.</li> <li>4. Portions of walls, floors, ceilings, etc. that have been exposed to water will be opened for evaluation.</li> <li>5. All construction that is repaired, replaced, dried or sealed will be inspected before covered.</li> <li>6. Structure inspected for certificate of compliance.</li> </ol>	Flooding / Dam Failures	High	Rockingham County Building Inspections, Town of Madison	Local	2030	<p>Completed and ongoing. Planning, Zoning and Inspection will assess buildings as needed.</p> <p>There have been no structures that have been submerged for a lengthy time since 2016.</p>
P-5	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; 3) conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Rockingham County Building Inspections, Town of Madison	Local	2030	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding / Dam Failures	Moderate	Rockingham County Planning and Zoning, Town of Madison	Local	2030, Annual review and update	The county currently has a list of all repetitive loss properties, and this list is updated as needed.
<b>Emergency Services</b>							
ES-1	Identify alternate Emergency Operations Center locations.	All	High	Rockingham County Emergency Services	Local	Completed	Primary EOC is located at the Emergency Services Bldg. With the backup EOC being located at the 9-1-1 Center. This action will be removed from the 2030 plan.
<b>Public Education and Awareness</b>							
PEA-1	Ensure that the Public Information/County Engineer is informed of erosion and sedimentation control methods and pushes this information out to the public.	Flooding / Dam Failures	High	Rockingham County Public Information/ County Engineer, Rockingham County Planning and Zoning, Town of Madison	Local	2030, Annually	The Rockingham County Public Information/County Engineer will make numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.

**SECTION 9: MITIGATION ACTION PLAN****Town of Mayodan Mitigation Action Plan**

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Rockingham County Planning and Zoning, Town of Mayodan	Local	2030, Reviewed Annually	Hazard Mitigation objectives are reviewed annually.
P-2	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding / Dam Failures	Moderate	Rockingham County Planning and Zoning, Town of Mayodan	Local	2030, Reviewed Annually	Generally, there are policies in place to minimize new structures being located in the floodplain. However, additional regulations may further reduce the number of structures at flood risk, so these will be considered going forward.
P-3	Revise and update the regulatory floodplain maps.	Flooding / Dam Failures	High	Rockingham County Planning and Zoning, Town of Mayodan	Federal, State	2030	Floodplain maps are updated by the state and are updated by the County as needed.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-4	<p>Building Inspections – Flood Damaged Structures. Any and all portions of buildings that have been submerged for any length of time will be inspected for flood related damage as well as other conditions that may be dangerous to life, health or other property. Plan for Damaged Structures:</p> <ol style="list-style-type: none"> <li>1. Overall damage assessment/data collection (visual inspection from roadways).</li> <li>2. Data compiled and geographical areas assigned to teams.</li> <li>3. Second detailed assessment by area teams.</li> <li>4. Portions of walls, floors, ceilings, etc. that have been exposed to water will be opened for evaluation.</li> <li>5. All construction that is repaired, replaced, dried or sealed will be inspected before covered.</li> <li>6. Structure inspected for certificate of compliance.</li> </ol>	Flooding / Dam Failures	High	Rockingham County Building Inspections, Town of Mayodan	Local	2030	<p>Completed and ongoing. Planning, Zoning and Inspection will assess buildings as needed.</p> <p>There have been no structures that have been submerged for a lengthy time since before 2016.</p>
P-5	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; 3) conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Rockingham County Building Inspections, Town of Mayodan	Local	2030	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding / Dam Failures	Moderate	Rockingham County Planning and Zoning, Town of Mayodan	Local	2030, Annual review and update	The county currently has a list of all repetitive loss properties, and this list is updated as needed.
<b>Emergency Services</b>							
ES-1	Identify alternate Emergency Operations Center locations.	All	High	Rockingham County Emergency Services	Local	Completed	Primary EOC is located at the Emergency Services Bldg. With the backup EOC being located at the 9-1-1 Center. This action will be removed from the 2030 update.
<b>Public Education and Awareness</b>							
PEA-1	Ensure that the Public Information/County Engineer is informed of erosion and sedimentation control methods and pushes this information out to the public.	Flooding / Dam Failures	High	Rockingham County Public Information/ County Engineer, Rockingham County Planning and Zoning, Town of Mayodan	Local	2030, Annually	The Rockingham County Public Information/County Engineer will make numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.

## SECTION 9: MITIGATION ACTION PLAN

### City of Reidsville Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Rockingham County Planning and Zoning, City of Reidsville	Local	2030, Reviewed Annually	Hazard Mitigation objectives are reviewed annually.
P-2	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding / Dam Failures	Moderate	Rockingham County Planning and Zoning, City of Reidsville	Local	2030, Reviewed Annually	Generally, there are policies in place to minimize new structures being located in the floodplain. However, additional regulations may further reduce the number of structures at flood risk, so these will be considered going forward.
P-3	Revise and update the regulatory floodplain maps.	Flooding / Dam Failures	High	Rockingham County Planning and Zoning, City of Reidsville	Federal, State	2030	Floodplain maps are updated by the state and are updated by the County as needed.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-4	<p>Building Inspections – Flood Damaged Structures. Any and all portions of buildings that have been submerged for any length of time will be inspected for flood related damage as well as other conditions that may be dangerous to life, health or other property. Plan for Damaged Structures:</p> <ol style="list-style-type: none"> <li>1. Overall damage assessment/data collection (visual inspection from roadways).</li> <li>2. Data compiled and geographical areas assigned to teams.</li> <li>3. Second detailed assessment by area teams.</li> <li>4. Portions of walls, floors, ceilings, etc. that have been exposed to water will be opened for evaluation.</li> <li>5. All construction that is repaired, replaced, dried or sealed will be inspected before covered.</li> <li>6. Structure inspected for certificate of compliance.</li> </ol>	Flooding / Dam Failures	High	Rockingham County Building Inspections, City of Reidsville	Local	2030	<p>Completed and ongoing. Planning, Zoning and Inspection will assess buildings as needed.</p> <p>There have been no structures that have been submerged for a lengthy time since before 2016.</p>
P-5	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; 3) conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Rockingham County Building Inspections, City of Reidsville	Local	2030	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged.



## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding / Dam Failures	Moderate	Rockingham County Planning and Zoning, City of Reidsville	Local	2030, Annual review and update	The county currently has a list of all repetitive loss properties, and this list is updated as needed.
<b>Emergency Services</b>							
ES-1	Identify alternate Emergency Operations Center locations.	All	High	Rockingham County Emergency Services	Local	Completed	Primary EOC is located at the Emergency Services Bldg. With the backup EOC being located at the 9-1-1 Center. This action will be removed from the 2030 update.
<b>Public Education and Awareness</b>							
PEA-1	Ensure that the Public Information/County Engineer is informed of erosion and sedimentation control methods and pushes this information out to the public.	Flooding / Dam Failures	High	Rockingham County Public Information/ County Engineer, Rockingham County Planning and Zoning, City of Reidsville	Local	2030, Annually	The Rockingham County Public Information/County Engineer will make numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Stoneville Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Rockingham County Planning and Zoning, Town of Stoneville	Local	2030, Reviewed Annually	Hazard Mitigation objectives are reviewed annually.
P-2	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding / Dam Failures	Moderate	Rockingham County Planning and Zoning, Town of Stoneville	Local	2030, Reviewed Annually	Generally, there are policies in place to minimize new structures being located in the floodplain. However, additional regulations may further reduce the number of structures at flood risk, so these will be considered going forward.
P-3	Revise and update the regulatory floodplain maps.	Flooding / Dam Failures	High	Rockingham County Planning and Zoning, Town of Stoneville	Federal, State	2030	Floodplain maps are updated by the state and are updated by the County as needed.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-4	<p>Building Inspections – Flood Damaged Structures. Any and all portions of buildings that have been submerged for any length of time will be inspected for flood related damage as well as other conditions that may be dangerous to life, health or other property. Plan for Damaged Structures:</p> <ol style="list-style-type: none"> <li>1. Overall damage assessment/data collection (visual inspection from roadways).</li> <li>2. Data compiled and geographical areas assigned to teams.</li> <li>3. Second detailed assessment by area teams.</li> <li>4. Portions of walls, floors, ceilings, etc. that have been exposed to water will be opened for evaluation.</li> <li>5. All construction that is repaired, replaced, dried or sealed will be inspected before covered.</li> <li>6. Structure inspected for certificate of compliance.</li> </ol>	Flooding / Dam Failures	High	Rockingham County Building Inspections, Town of Stoneville	Local	2030	<p>Completed and ongoing. Planning, Zoning and Inspection will assess buildings as needed.</p> <p>There have been no structures that have been submerged for a lengthy time since before 2016.</p>
P-5	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; 3) conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Rockingham County Building Inspections, Town of Stoneville	Local	2030	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding / Dam Failures	Moderate	Rockingham County Planning and Zoning, Town of Stoneville	Local	2030, Annual review and update	The county currently has a list of all repetitive loss properties, and this list is updated as needed.
<b>Emergency Services</b>							
ES-1	Identify alternate Emergency Operations Center locations.	All	High	Rockingham County Emergency Services	Local	2030	Primary EOC is located at the Emergency Services Bldg. With the backup EOC being located at the 9-1-1 Center.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Public Education and Awareness</b>							
PEA-1	Ensure that the Public Information/County Engineer is informed of erosion and sedimentation control methods and pushes this information out to the public.	Flooding / Dam Failures	High	Rockingham County Public Information/ County Engineer, Rockingham County Planning and Zoning, Town of Stoneville	Local	2030, Annually	The Rockingham County Public Information/County Engineer will make numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Wentworth Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Rockingham County Planning and Zoning, Town of Wentworth	Local	2030, Reviewed Annually	Hazard Mitigation objectives are reviewed annually.
P-2	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding / Dam Failures	Moderate	Rockingham County Planning and Zoning, Town of Wentworth	Local	2030, Reviewed Annually	Generally, there are policies in place to minimize new structures being located in the floodplain. However, additional regulations may further reduce the number of structures at flood risk, so these will be considered going forward.
P-3	Revise and update the regulatory floodplain maps.	Flooding / Dam Failures	High	Rockingham County Planning and Zoning, Town of Wentworth	Federal, State	2030	Floodplain maps are updated by the state and are updated by the County as needed.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-4	<p>Building Inspections – Flood Damaged Structures. Any and all portions of buildings that have been submerged for any length of time will be inspected for flood related damage as well as other conditions that may be dangerous to life, health or other property. Plan for Damaged Structures:</p> <ol style="list-style-type: none"> <li>1. Overall damage assessment/data collection (visual inspection from roadways).</li> <li>2. Data compiled and geographical areas assigned to teams.</li> <li>3. Second detailed assessment by area teams.</li> <li>4. Portions of walls, floors, ceilings, etc. that have been exposed to water will be opened for evaluation.</li> <li>5. All construction that is repaired, replaced, dried or sealed will be inspected before covered.</li> <li>6. Structure inspected for certificate of compliance.</li> </ol>	Flooding / Dam Failures	High	Rockingham County Building Inspections, Town of Wentworth	Local	2030	<p>Completed and ongoing. Planning, Zoning and Inspection will assess buildings as needed.</p> <p>There have been no structures that have been submerged for a lengthy time since before 2016.</p>
P-5	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; 3) conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Rockingham County Building Inspections, Town of Wentworth	Local	2030	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding / Dam Failures	Moderate	Rockingham County Planning and Zoning, Town of Wentworth	Local	2030, Annual review and update	The county currently has a list of all repetitive loss properties, and this list is updated as needed.
<b>Emergency Services</b>							
ES-1	Identify alternate Emergency Operations Center locations.	All	High	Rockingham County Emergency Services	Local	Completed	Primary EOC is located at the Emergency Services Bldg. With the backup EOC being located at the 9-1-1 Center.
<b>Public Education and Awareness</b>							
PEA-1	Ensure that the Public Information/County Engineer is informed of erosion and sedimentation control methods and pushes this information out to the public.	Flooding / Dam Failures	High	Rockingham County Public Information/ County Engineer, Rockingham County Planning and Zoning, Town of Wentworth	Local	2030, Annually	The Rockingham County Public Information/County Engineer will make numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.



## SECTION 9: MITIGATION ACTION PLAN

### Stokes County Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	Review and include hazard mitigation objectives that are applicable into zoning ordinances.	All	Moderate	Stokes County Planning and Community Development	Local	2030	No ordinance updates at this time, however our long-range plan could include some ordinance updates.
P-2	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding	Moderate	Stokes County Planning and Community Development	Local	2030	The county discourages development in the 100-year floodplain and therefore discourages public infrastructure improvements in those areas as well. Currently the county has an ordinance for new structures in the 100-year floodplain.
P-5	Create a zoning map (digital) that can be easily reproduced/updated for staff and public use.	All	High	Stokes County Geographical Information System	Local	2030	We currently have a GIS link on the county website, with updated flood zone information.
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding	Moderate	Stokes County Planning and Community Development	Local	2030, Annual Evaluation	During the update of this plan, the county compiled a list of repetitive loss properties. County staff will perform annual evaluations of properties to ensure that it is working to mitigate any repetitive loss properties. No loss of properties in the last 5 years.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PP-2	Improve shelter capacities with alternate power/heat sources.	All	High	Stokes County Emergency Services	Local	2030	We currently have numerous locations for shelters.
<b>Emergency Services</b>							
ES-1	Ensure adequate evacuation warning in case of major hazard event.	All	High	Stokes County Emergency Services	Local	2030, Annual Evaluation	Code Red warning system in place. We also utilize social media to inform citizens.
<b>Public Education and Awareness</b>							
PEA-1	Place flood protection and other hazard education materials in all branches of the Stokes County public library system.	All	High	Stokes County Planning and Community Development	Local	2030	In the past, hazard education materials have been placed in all branches of the Stokes County public library system. Currently updating materials to be distributed.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Danbury Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	Review and include hazard mitigation objectives that are applicable into zoning ordinances.	All	Moderate	Town of Danbury Land Use Administrator	Local	2030	No ordinance updates at this time, however our long-range plan could include some ordinance updates.
P-2	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding	Moderate	Town of Danbury Land Use Administrator	Local	2030	The county discourages development in the 100-year floodplain and therefore discourages public infrastructure improvements in those areas as well. Currently the county has an ordinance for new structures in the 100 year floodplain.
P-5	Create a zoning map (digital) that can be easily reproduced/updated for staff and public use.	All	High	Stokes County Geographical Information System	Local	2030	County website has GIS link with updates flood maps.
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding	Moderate	Stokes County Planning and Community Development	Local	2030, Annual Evaluation	During the update of this plan, the county compiled a list of repetitive loss properties. County staff will perform annual evaluations of properties to ensure that it is working to mitigate any repetitive loss properties. No loss of properties in the last 5 years.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PP-2	Improve shelter capacities with alternate power/heat sources.	All	High	Stokes County Emergency Services	Local	2030	The new shelter that was going to be in Danbury did not work out. But we do have numerous shelters in the county with alternate power and heat sources.
<b>Emergency Services</b>							
ES-1	Ensure adequate evaluation warning in case of major hazard event.	All	High	Stokes County Emergency Services	Local	2030, Annual Evaluation	Code Red warning system in place. We also utilize social media to inform citizens.
<b>Public Education and Awareness</b>							
PEA-1	Place flood protection and other hazard education materials in all branches of the Stokes County public library system.	All	High	Stokes County Planning and Community Development	Local	2030	In In the past, hazard education materials have been placed in all branches of the Stokes County public library system. Currently updating materials to be distributed.

## SECTION 9: MITIGATION ACTION PLAN

### City of King Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	Review and include hazard mitigation objectives that are applicable into zoning ordinances.	All	Moderate	City of King Planning Department	Local	2030	No ordinance updates at this time, however our long-range plan could include some ordinance updates.
P-2	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding	Moderate	City of King Planning Department	Local	2030	The City discourages development in the 100-year floodplain and therefore discourages public infrastructure improvements in those areas as well. Currently the county has an ordinance for new structures in the 100- year floodplain.
P-5	Create a zoning map (digital) that can be easily reproduced/updated for staff and public use.	All	High	Stokes County Geographical Information System	Local	2030	We currently have a GIS link on the county website, with updated flood zone information.
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding	Moderate	City of King Planning Department	Local	2030, Annual Evaluation	During the update of this plan, the county compiled a list of repetitive loss properties. County staff will perform annual evaluations of properties to ensure that it is working to mitigate any repetitive loss properties. No loss of properties in the last 5 years.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PP-2	Improve shelter capacities with alternate power/heat sources.	All	High	Stokes County Emergency Services	Local	2030	The shelter in King has been added. This action will be removed for the 2030 update.
<b>Emergency Services</b>							
ES-1	Ensure adequate evaluation warning in case of major hazard event.	All	High	Stokes County Emergency Services	Local	2030, Annual Evaluation	Code Red warning system in place. We also use social media to inform the public.
<b>Public Education and Awareness</b>							
PEA-1	Place flood protection and other hazard education materials in all branches of the Stokes County public library system.	All	High	City of King Planning Department	Local	2025	In the past, hazard education materials have been placed in all branches of the Stokes County public library system. Currently updating materials to be distributed.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Walnut Cove Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	Review and include hazard mitigation objectives that are applicable into zoning ordinances.	All	Moderate	Town of Walnut Cove Town Manager	Local	2030	No ordinance updates at this time, however our long-range plan could include some ordinance updates.
P-2	Develop a policy to minimize public services to proposed new structures that will be located in 100-year floodplain areas.	Flooding	Moderate	Town of Walnut Cove Town Manager	Local	2030	The Town discourages development in the 100-year floodplain and therefore discourages public infrastructure improvements in those areas as well. Currently the county has an ordinance for new structures in the 100- year floodplain.
P-5	Create a zoning map (digital) that can be easily reproduced/updated for staff and public use.	All	High	Stokes County Geographical Information System	Local	2030	We currently have a GIS link on the county website, with updated flood zone information.
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding	Moderate	Town of Walnut Cove Town Manager	Local	2030, Annual Evaluation	During the update of this plan, the county compiled a list of repetitive loss properties. County staff will perform annual evaluations of properties to ensure that it is working to mitigate any repetitive loss properties. No loss of properties in the last 5 years.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PP-2	Improve shelter capacities with alternate power/heat sources.	All	High	Stokes County Emergency Services	Local	2030	We currently have 1 shelter location in the Town of Walnut Cove at London Elementary School that has alternate power and heat sources.
<b>Emergency Services</b>							
ES-1	Ensure adequate evaluation warning in case of major hazard event.	All	High	Stokes County Emergency Services	Local	2030, Annual Evaluation	Code Red warning system in place for the Town of Walnut Cove. We also utilize social media to inform citizens.
<b>Public Education and Awareness</b>							
PEA-1	Place flood protection and other hazard education materials in all branches of the Stokes County public library system.	All	High	Town of Walnut Cove Town Manager	Local	2030	In the past, hazard education materials have been placed in all branches of the Stokes County public library system. Currently updating materials to be distributed.



## SECTION 9: MITIGATION ACTION PLAN

### Surry County Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	Consider a community ratings system evaluation to continue compliance with NFIP.	Flooding, Geological Hazards (Landslides)	Moderate	Surry County Emergency Management	Surry County Emergency Management	2030, Annually review	The county does not currently participate in the CRS, but it will continue to consider pursuing this, especially as it implements floodplain management actions that will contribute to points in the CRS.
P-2	Develop a comprehensive Capital Improvements Plan.	All	High	Surry County Planning and Development	Surry County Planning and Development	2030	The county has not yet developed a comprehensive CIP, although it has undertaken some capital projects. The county will continue to work to develop a comprehensive CIP going forward.
P-3	Adopt a Storm Water Management Ordinance or Plan	Flooding, Geological Hazards (Landslides)	High	Board of County Commissioners	Surry County Planning and Development	2030	The county has not yet adopted a Stormwater Management Ordinance or Plan. This will continue to be a goal in the future.
P-5	Require that structural features are manufactured and installed in such a way that the hazardous effect of wind-borne debris is limited.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Surry County Building Inspections	Surry County Planning and Development	2030	The county has attempted to identify structures that are constructed in a way that contributes to wind borne debris. Although many cases have been identified and rectified, there is still significant work to be completed on this action.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-6	Develop a wildfire management plan including clear objectives. The plan should include degree of fire risk and wildfire history of county.	Wildfires	Moderate	NCDFR, USFS, Surry County Fire Marshal's Office	NCDFR, USFS, Surry County Fire Marshal's Office	2030	A wildfire management plan is in progress of being developed but the plan is not complete, so additional work will need to be completed.
P-7	Make available all necessary resources for fire management planning at all levels.	Wildfires	Moderate	Surry County Emergency Management	Local, State, Federal	2030	Although many resources are available for fire management planning, additional resources would be useful and an ongoing task will be to pursue more resources.
<b>Property Protection</b>							
PP-1	Encourage low-interest loans to farmers from the State to assist with the effects of a drought.	Drought	Low	Board of County Commissioners	Surry County Government	2030	The county has encouraged low interest loans from the state and will continue to advocate for those to be available during/after a drought event.
PP-2	Address properties that are vulnerable to flood damage, especially those that are repetitive loss properties to continue compliance with NFIP.	Flooding, Geological Hazards (Landslides)	High	Surry County Planning and Development, Surry County Parks and Recreation	Local, State, Federal	2030	The county will continue to attempt to implement mitigation action for repetitive loss properties and other high risk properties.
PP-3	Review of public and private services for improvements while relocating infrastructure away from flood prone areas.	Flooding, Geological Hazards (Landslides)	High	Surry County Planning and Development	Local	2030	Generally, the county has worked to relocate infrastructure away from flood prone areas. However, there are still areas where infrastructure is located in flood prone areas and the county will work to address those areas.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PP-4	Ensure manufactured homes are properly installed and secured.		Moderate	Surry County Building Inspections	Surry County Planning and Development	2030	The county performs inspections on manufactured homes to ensure they are properly installed. This action will need to be continued going forward.
PP-5	Ensure all residential construction conforms with latest wind-resistance standards.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Surry County Building Inspections	Surry County Planning and Development	2030	The county is working to ensure that all residential construction is consistent with the latest wind standards. County officials will continue to identify structures that are in non-conformance and work with citizens to ensure compliance.
PP-6	Retrofit emergency operations centers and critical facilities.	All	High	Surry County	Surry County	2030	Some critical facilities have been retrofitted to protect against hazards, but many critical facilities remain unmitigated and will need to be addressed.
<b>Emergency Services</b>							
ES-1	Coordinate efforts in regards to equipment and manpower to unload hay and other agriculture products delivered by aircraft, trucks, and trains.	Drought	Moderate	NC Cooperative Extension, Surry County Emergency Management	NC Cooperative Extension	2030	The county has coordinated efforts on equipment in the past and will continue that effort in the event of a drought.
ES-2	Procure water trailers for communities with dry or contaminated wells.	Drought	Moderate	Surry County Emergency Management, Surry County Health and Nutrition	Surry County Emergency Management, Surry County Health and Nutrition	2030	In the past, water trailers were procured when needed to address dry/contaminate wells. This will continue to be the case going forward.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-3	Decrease the time for evacuation.	All	High	Surry County Emergency Management, Law Enforcement	Surry County Emergency Management, Law Enforcement	2030	The county has attempted to decrease evacuation times in the past, but this is an effort that will continue to be pursued to reduce times even further.
ES-4	Improve areas where evacuation may be impeded.	All	High	Surry County Emergency Management, Law Enforcement	Surry County Emergency Management	2030	The county has taken action in some locations where bottlenecks might occur and has worked to develop a plan to keep evacuation moving smoothly. However, as in E-3, the county will continue to try to reduce its evacuation times.
ES-5	Coordinate early warning flash flood systems with Virginia counties that are upstream of County tributaries.	All	Moderate	Surry County Emergency Management	Surry County Emergency Management, NCDEM	2030	The county has worked with upstream VA counties to provide advanced flash flood warnings. Continued coordination will be required on this and the county will work to improve warning systems overall.
ES-6	Make sure that all community warning sirens and warning systems are in proper working condition.	All	High	Surry County Emergency Management	Surry County Emergency Management	2030	The county regularly inspects all warning sirens and systems to ensure they will be ready for a disaster event. The city will continue inspect these systems going forward.
ES-7	Communicate with other cities/counties to facilitate emergency response and recovery.	All	Moderate	Surry County Emergency Management	Surry County Emergency Management	2030	The county has taken the lead in the past to coordinate on response and recovery activities with municipalities and it is in constant coordination with other counties. This will continue to be a priority in the future.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-8	Train fire fighters with the latest fire fighting techniques and equip them with the most up to date equipment.	Wildfires	Moderate	Surry County Fire Marshal's Office, NCDFR	Local	2030	Although firefighters have been well trained and equipped in the past, there is a constant need for additional training and resources, so this will be pursued going forward.
ES-9	Establish a housing numbering system and ensure that the numbers are visible from the road.	Wildfires	Low	Surry County Emergency Management	Surry County Emergency Management	2030, Annual review and update	The county completed its re-addressing in 2000 but it will need to be updated on a consistent basis and re-evaluated for an update in the future.
ES-10	Coordinate responses between each of the county's fire departments.	Wildfires	Moderate	Surry County Fire Marshal's Office	Surry County Fire Marshal's Office	2030	The county has coordinated response within each of its fire departments and will continue to ensure coordination is maintained.
ES-11	Post warning signs in communities during times when wildfire danger may be imminent.	Wildfires	Moderate	NCDFR	NCDFR	2030	When wildfire risk has been high in the past, the county has posted warning signs to let residents know their risk level. This action will be continued in the future.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-12	Monitor future wildfires so that response times are evaluated and determine the amount of progress made during each fire.	Wildfires	Low	Surry County Emergency Management	Surry County Emergency Management	2030	The county has monitored past fires which has helped them determine response times. This information will continue to be collected and will be integrated to help make better judgments in the future.
ES-13	Keep primary transportation routes clear for emergency traffic and needs.	Severe Winter Weather	High	NCDOT, Law Enforcement	NCDOT, Law Enforcement	2030	The county has worked to keep primary transportation routes cleared in case they are needed for emergency traffic. This action will continue to be pursued by the county.
ES-14	Equip all essential County emergency or non-emergency vehicles with proper equipment to navigate severe winter weather events.	Severe Winter Weather	Moderate	Each Surry County Department is responsible for its vehicles	Each Surry County Department is responsible for its vehicles	2030	The county has equipped many of its vehicles with the necessary equipment to navigate severe winter weather. However, some vehicles are not fully equipped and the county will work to ensure adequate resources.
<b>Public Education and Awareness</b>							
PEA-1	Distribute educational material to the public to stimulate hazard awareness through both public locations and online.	All	Moderate	NC Cooperative Extension, Surry County Planning and Development, Surry County Public Works	NC Cooperative Extension, Surry County Planning and Development	2030	The county has developed a number of educational materials and brochures for the public to utilize, but these may need to be updated and will need to be reviewed so this action will remain in the plan.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PEA-2	Increase awareness through all hazards awareness program at cooperative extension office and distribution of materials at government centers.	All	Moderate	NC Cooperative Extension, Surry County Planning and Development	NC Cooperative Extension, Surry County Planning and Development	2030	The county has worked to increase awareness through programs at the cooperative extension and has distributed materials via many government locations. However, these materials and programs will need to be reviewed, so this action will remain in the plan.
PEA-3	Create a mandatory water conservation ordinance to enforce, if necessary.	Drought	Moderate	Surry County Planning and Development, Surry County Health and Nutrition	Surry County Planning and Development, Disaster Declaration Funding	2030, implement when drought conditions require	The county has implemented a mandatory water conservation ordinance in the past when drought conditions persisted. The county will continue to do this when required.
PEA-5	Increase awareness through flood awareness program at local schools and distribution of materials at government centers.	Flooding, Geological Hazards (Landslides)	Moderate	NC Cooperative Extension, Surry County Planning and Development	NC Cooperative Extension	2030	The county has worked to increase awareness through programs at the local schools and has distributed materials via many government locations. However, these materials and programs will need to be reviewed, so this action will remain in the plan.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PEA-6	Increase awareness through high wind awareness program at local schools and distribution of materials at government centers.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Surry County Emergency Management	Surry County Emergency Management	2030	The county has worked to increase awareness through programs at the local schools and has distributed materials via many government locations. However, these materials and programs will need to be reviewed, so this action will remain in the plan.
PEA-7	Monitor and evaluate public response to high wind information.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Surry County Emergency Management	Surry County Emergency Management	2030	Integrate with PEA-1 and see Implementation Status above
PEA-8	Distribute educational material to the public to stimulate wildfire awareness and prevention.	Wildfires	Moderate	Surry County Fire Marshal's Office, Surry County Emergency Management	Surry County Fire Marshal's Office, Surry County Emergency Management	2030	Integrate with PEA-1 and see Implementation Status above
PEA-9	Increase awareness through wildfire awareness program at local schools and distribution of materials at government centers.	Wildfires	Moderate	Surry County Emergency Management	Surry County Emergency Management	2030	The county has worked to increase awareness through programs at the local schools and has distributed materials via many government locations. However, these materials and programs will need to be reviewed, so this action will remain in the plan.
PEA-10	Monitor and evaluate public response to wildfire information.	Wildfires	Moderate	Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above



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Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PEA-11	Educate on proper winterizing of homes.	Severe Winter Weather	Moderate	Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-12	Educate on proper emergency heating equipment.	Severe Winter Weather	Moderate	Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-13	Educate on winter weather disaster supplies.	Severe Winter Weather	Moderate	Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-14	Educate on several days' supply of non-perishable food.	Severe Winter Weather	Moderate	Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-15	Educate on checking smoke alarms and fire extinguishers.	Severe Winter Weather	Moderate	Surry County Fire Marshal's Office	Surry County Fire Marshal's Office	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-16	Inform and educate the citizens by providing hazard and mitigation information in public buildings and websites.	Earthquakes	Moderate	Surry County	Surry County	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-17	Educate via classes on proper retrofitting equipment.	Earthquakes	Moderate	Surry County	Surry County	2030	The county has provided some education on earthquake retrofitting, but it would like to encourage more of this and so it will work to hold more classes going forward.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Dobson Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-2	Develop a comprehensive Capital Improvements Plan.	All	High	Town of Dobson, Surry County Planning and Development	Surry County Planning and Development	2030	The county has not yet developed a comprehensive CIP, although it has undertaken some capital projects. The county will continue to work to develop a comprehensive CIP going forward.
P-3	Adopt a Storm Water Management Ordinance or Plan	Flooding, Geological Hazards (Landslides)	High	Town of Dobson, Board of County Commissioners	Surry County Planning and Development	2030	The county has not yet adopted a Stormwater Management Ordinance or Plan. This will continue to be a goal in the future.
P-5	Require that structural features are manufactured and installed in such a way that the hazardous effect of wind borne debris is limited.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Town of Dobson, Surry County Building Inspections	Surry County Planning and Development	2030	The county has attempted to identify structures that are constructed in a way that contributes to wind borne debris. Although many cases have been identified and rectified, there is still significant work to be completed on this action.
P-6	Develop a wildfire management plan including clear objectives. The plan should include degree of fire risk and wildfire history of county.	Wildfires	Moderate	Town of Dobson, NCDFR, USFS, Surry County Fire Marshal's Office	NCDFR, USFS, Surry County Fire Marshal's Office	2030	A wildfire management plan is in progress of being developed but the plan is not complete, so additional work will need to be completed.
P-7	Make available all necessary resources for fire management planning at all levels.	Wildfires	Moderate	Town of Dobson, Surry County Emergency Management	Local, State, Federal	2030	Although many resources are available for fire management planning, additional resources would be useful and an ongoing task will be to pursue more resources.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-1	Encourage low-interest loans to farmers from the State to assist with the effects of a drought.	Drought	Low	Town of Dobson, Board of County Commissioners	Surry County Government	2030	The county has encouraged low interest loans from the state and will continue to advocate for those to be available during/after a drought event.
PP-3	Review of public and private services for improvements while relocating infrastructure away from flood prone areas.	Flooding, Geological Hazards (Landslides)	High	Town of Dobson, Surry County Planning and Development	Local	2030	Generally, the county has worked to relocate infrastructure away from flood prone areas. However, there are still areas where infrastructure is located in flood prone areas and the county will work to address those areas.
PP-4	Ensure manufactured homes are property installed and secured.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Town of Dobson, Surry County Building Inspections	Surry County Planning and Development	2030	The county performs inspections on manufactured homes to ensure they are properly installed. This action will need to be continued going forward.
PP-5	Ensure all residential construction conforms with latest wind-resistance standards.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Town of Dobson, Surry County Building Inspections	Surry County Planning and Development	2030	The county is working to ensure that all residential construction is consistent with the latest wind standards. County officials will continue to identify structures that are in non-conformance and work with citizens to ensure compliance.
PP-6	Retrofit emergency operations centers and critical facilities.	All	High	Town of Dobson, Surry County	Surry County	2030	Some critical facilities have been retrofitted to protect against hazards, but many critical facilities remain unmitigated and will need to be addressed.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Emergency Services</b>							
ES-1	Coordinate efforts in regards to equipment and manpower to unload hay and other agriculture products delivered by aircraft, trucks, and trains.	Drought	Moderate	Town of Dobson, NC Cooperative Extension, Surry County Emergency Management	NC Cooperative Extension	2030	The county has coordinated efforts on equipment in the past and will continue that effort in the event of a drought.
ES-2	Procure water trailers for communities with dry or contaminated wells.	Drought	Moderate	Town of Dobson, Surry County Emergency Management, Surry County Health and Nutrition	Surry County Emergency Management, Surry County Health and Nutrition	2030	In the past, water trailers were procured when needed to address dry/contaminate wells. This will continue to be the case going forward.
ES-3	Decrease the time for evacuation.	All	High	Town of Dobson, Surry County Emergency Management, Law Enforcement	Surry County Emergency Management, Law Enforcement	2030	The county has attempted to decrease evacuation times in the past, but this is an effort that will continue to be pursued to reduce times even further.
ES-4	Improve areas where evacuation may be impeded.	All	High	Town of Dobson, Surry County Emergency Management, Law Enforcement	Surry County Emergency Management	2030	The county has taken action in some locations where bottlenecks might occur and has worked to develop a plan to keep evacuation moving smoothly. However, as in E-3, the county will continue to try to reduce its evacuation times.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-5	Coordinate early warning flash flood systems with Virginia counties that are upstream of County tributaries.	All	Moderate	Town of Dobson, Surry County Emergency Management	Surry County Emergency Management, NCDM	2030	The county has worked with upstream VA counties to provide advanced flash flood warnings. Continued coordination will be required on this and the county will work to improve warning systems overall.
ES-6	Make sure that all community warning sirens and warning systems are in proper working condition.	All	High	Town of Dobson, Surry County Emergency Management	Surry County Emergency Management	2030	The county regularly inspects all warning sirens and systems to ensure they will be ready for a disaster event. The city will continue inspect these systems going forward.
ES-7	Communicate with other cities/counties to facilitate emergency response and recovery.	All	Moderate	Town of Dobson, Surry County Emergency Management	Surry County Emergency Management	2030	The county has taken the lead in the past to coordinate on response and recovery activities with municipalities and it is in constant coordination with other counties. This will continue to be a priority in the future.
ES-8	Train fire fighters with the latest fire fighting techniques and equip them with the most up to date equipment.	Wildfires	Moderate	Town of Dobson, Surry County Fire Marshal's Office, NCDFR	Local	2030	Although firefighters have been well trained and equipped in the past, there is a constant need for additional training and resources, so this will be pursued going forward.
ES-9	Establish a housing numbering system and ensure that the numbers are visible from the road.	Wildfires	Low	Town of Dobson, Surry County Emergency Management	Surry County Emergency Management	2030, Annual review and update	The county completed its re-addressing in 2000 but it will need to be updated on a consistent basis and re-evaluated for an update in the future.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-10	Coordinate responses between each of the county's fire departments.	Wildfire	Moderate	Town of Dobson, Surry County Fire Marshal's Office	Surry County Fire Marshal's Office	2030	The county has coordinated response within each of its fire departments and will continue to ensure coordination is maintained.
ES-11	Post warning signs in communities during times when wildfire danger may be imminent.	Wildfire	Moderate	NCDFR	NCDFR	2030	When wildfire risk has been high in the past, the county has posted warning signs to let residents know their risk level. This action will be continued in the future.
ES-12	Monitor future wildfires so that response times are evaluated and determine the amount of progress made during each fire.	Wildfire	Low	Town of Dobson, Surry County Emergency Management	Surry County Emergency Management	2030	The county has monitored past fires which has helped them determine response times. This information will continue to be collected and will be integrated to help make better judgments in the future.
ES-13	Keep primary transportation routes clear for emergency traffic and needs.	Severe Winter Weather	High	NCDOT, Law Enforcement	NCDOT, Law Enforcement	2030	The county has worked to keep primary transportation routes cleared in case they are needed for emergency traffic. This action will continue to be pursued by the county.
ES-14	Equip all essential County emergency or non-emergency vehicles with proper equipment to navigate severe winter weather events.	Severe Winter Weather	Moderate	Town of Dobson, Each Surry County Department is responsible for its vehicles	Each Surry County Department is responsible for its vehicles	2030	The county has equipped many of its vehicles with the necessary equipment to navigate severe winter weather. However, some vehicles are not fully equipped and the county will work to ensure adequate resources.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Public Education and Awareness</b>							
PEA-1	Distribute educational material to the public to stimulate hazard awareness through both public locations and online.	All	Moderate	Town of Dobson, NC Cooperative Extension, Surry County Planning and Development, Surry County Public Works	NC Cooperative Extension, Surry County Planning and Development	2030	The county has developed a number of educational materials and brochures for the public to utilize, but these may need to be updated and will need to be reviewed so this action will remain in the plan.
PEA-2	Increase awareness through all hazards awareness program at cooperative extension office and distribution of materials at government centers.	All	Moderate	Town of Dobson, NC Cooperative Extension, Surry County Planning and Development	NC Cooperative Extension, Surry County Planning and Development	2030	The county has worked to increase awareness through programs at the cooperative extension and has distributed materials via many government locations. However, these materials and programs will need to be reviewed, so this action will remain in the plan.
PEA-3	Create a mandatory water conservation ordinance to enforce, if necessary.	Drought	Moderate	Town of Dobson, Surry County Planning and Development, Surry County Health and Nutrition	Surry County Planning and Development, Disaster Declaration Funding	2030, implement when drought conditions require	The county has implemented a mandatory water conservation ordinance in the past when drought conditions persisted. The county will continue to do this when required.
PEA-5	Increase awareness through flood awareness program at local schools and distribution of materials at government centers.	Flooding, Geological Hazards (Landslides)	Moderate	Town of Dobson, NC Cooperative Extension, Surry County Planning and Development	NC Cooperative Extension	See schedule for PEA-2	Coordinate with PEA-2 and see Implementation Status above

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PEA-6	Increase awareness through high wind awareness program at local schools and distribution of materials at government centers.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Town of Dobson, Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-2	Coordinate with PEA-2 and see Implementation Status above
PEA-7	Monitor and evaluate public response to high wind information.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Town of Dobson, Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-8	Distribute educational material to the public to simulate wildfire awareness and prevention.	Wildfires	Moderate	Town of Dobson, Surry County Fire Marshal's Office, Surry County Emergency Management	Surry County Fire Marshal's Office, Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-9	Increase awareness through wildfire awareness program at local schools and distribution of materials at government centers.	Wildfires	Moderate	Town of Dobson, Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-2	Coordinate with PEA-2 and see Implementation Status above
PEA-10	Monitor and evaluate public response to wildfire information.	Wildfires	Moderate	Town of Dobson, Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-11	Educate on proper winterizing of homes.	Severe Winter Weather	Moderate	Town of Dobson, Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above



## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PEA-12	Educate on proper emergency heating equipment.	Severe Winter Weather	Moderate	Town of Dobson, Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-13	Educate on winter weather disaster supplies.	Severe Winter Weather	Moderate	Town of Dobson, Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-14	Educate on several days' supply of non-perishable food.	Severe Winter Weather	Moderate	Town of Dobson, Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-15	Educate on checking smoke alarms and fire extinguishers.	Severe Winter Weather	Moderate	Town of Dobson, Surry County Fire Marshal's Office	Surry County Fire Marshal's Office	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-16	Inform and educate the citizens by providing hazard and mitigation information in public buildings and websites.	Earthquakes	Moderate	Town of Dobson, Surry County	Surry County	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-17	Educate via classes on proper retrofitting equipment.	Earthquakes	Moderate	Town of Dobson, Surry County	Surry County	2030	The county has provided some education on earthquake retrofitting, but it would like to encourage more of this and so it will work to hold more classes going forward.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Elkin Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	Comply with the Town's "Water Supply Shortage Ordinance" and the "Emergency Water Shortage Response Handbook for the Town of Elkin Water Supply System."	Drought	Moderate	Town of Elkin	Town of Elkin	2030	The town has complied with its water shortage response plans and will continue to abide by these going forward.
P-2	Evaluate the Town's eligibility to re-enter NFIP.	Flooding, Geological Hazards (Landslides)	Moderate	Town of Elkin	Town of Elkin	Completed	The town has been a member of the NFIP since 2013. This action will be removed from the 2030 plan.
P-3	Work with the Surry County to conduct a community ratings systems evaluation.	Flooding, Geological Hazards (Landslides)	Moderate	Town of Elkin, Surry County Planning and Development	Town of Elkin	2030, Annually review	The county does not currently participate in the CRS, but it will continue to consider pursuing this, especially as it implements floodplain management actions that will contribute to points in the CRS.
P-4	Re-enter the National Flood Insurance Program	Flooding, Geological Hazards (Landslides)	Moderate	Town of Elkin	Town of Elkin	Completed	The town has been a member of the NFIP since 2013. This action will be removed from the 2030 plan.
P-5	Adopt a Storm Water Management Ordinance or Plan	Flooding, Geological Hazards (Landslides)	High	Town of Elkin	Town of Elkin	2030	The Town of Elkin has included in the UDO to follow Storm Water Best Management Practices. A Storm Water Plan is a long-term goal since it will require additional funding and staff to implement.
P-6	Adopt Surry County Wildfire Management Plan.	Wildfires	Moderate	Town of Elkin	Town of Elkin	2030	A wildfire management plan is in progress of being developed but the plan is not complete, so additional work will need to be completed.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Property Protection</b>							
PP-1	Ensure manufactured homes are properly installed and secured.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Building Inspectors	Surry County Planning and Development	2030	The county performs inspections on manufactured homes to ensure they are properly installed. This action will need to be continued going forward.
PP-2	Ensure all residential construction conforms with latest wind-resistance standards.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Building Inspectors	Surry County Planning and Development	2030	The county is working to ensure that all residential construction is consistent with the latest wind standards. County officials will continue to identify structures that are in non-conformance and work with citizens to ensure compliance.
PP-3	Retrofit emergency operations centers and critical facilities.	All	High	Town of Elkin	Town of Elkin	2030	Some critical facilities have been retrofitted to protect against hazards, but many critical facilities remain unmitigated and will need to be addressed. Additional funds will be needed to implement.
<b>Emergency Services</b>							
ES-1	Train fire fighters with the latest fire fighting techniques and equip them with the most up to date equipment.	Wildfires	High	Elkin Fire Department	Elkin Fire Department	2030	Although firefighters have been well trained and equipped in the past, there is a constant need for additional training and resources, so this will be pursued going forward.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-2	Keep primary transportation routes clear for emergency traffic and needs.	Severe Winter Weather	High	Town of Elkin	Town of Elkin	2030	The county has worked to keep primary transportation routes cleared in case they are needed for emergency traffic. This action will continue to be pursued by the county.
ES-3	Equip all essential City emergency or non-emergency vehicles with proper equipment to navigate severe winter weather events.	Severe Winter Weather	High	Town of Elkin	Town of Elkin	2030	The town has equipped many of its vehicles with the necessary equipment to navigate a severe winter weather. However, some non-emergency vehicles are not fully equipped.
<b>Public Education and Awareness</b>							
PEA-1	Inform and educate the citizens by providing hazard and mitigation information in public buildings.	All	High	Town of Elkin	Town of Elkin	2030	The town has developed a number of educational materials and brochures for the public to utilize, but these may need to be updated and will need to be reviewed so this action will remain in the plan.
PEA-2	Educate residents about the importance of storm water management.	Flooding, Geological Hazards (Landslides)	Moderate	Town of Elkin	Town of Elkin	2030	The town has provided significant education on the importance of stormwater management to its citizens. Watershed NOW has applied for a grant for educational materials for residents.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PEA-3	Work with Surry County to increase public awareness of all hazards and potential mitigation.	All	Moderate	Town of Elkin, Surry County Emergency Management	Town of Elkin	2030	The town has worked to increase awareness through programs at the cooperative extension and has distributed materials via many government locations. However, these materials and programs will need to be reviewed, so this action will remain in the plan.
PEA-4	Inform and educate citizens by providing hazard and mitigation information in public buildings.	Flooding, Geological Hazards (Landslides)	Moderate	Town of Elkin	Town of Elkin	See schedule for PEA-3	Coordinate with PEA-3 and see Implementation Status above
PEA-5	Educate residents on all hazards associated with high winds and how to reduce exposure to damage.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Town of Elkin, Surry County Emergency Management	Town of Elkin	See schedule for PEA-3	Coordinate with PEA-3 and see Implementation Status above
PEA-6	Educate residents on wildfire prevention and awareness.	Wildfires	High	Town of Elkin, Surry County Emergency Management	Town of Elkin	See schedule for PEA-3	Coordinate with PEA-3 and see Implementation Status above
PEA-7	Assist Surry County with increasing public awareness of wildfire mitigation.	Wildfires	Moderate	Town of Elkin, Surry County Emergency Management	Town of Elkin	See schedule for PEA-3	Coordinate with PEA-3 and see Implementation Status above
PEA-8	Make home and business owners aware of potential hazards of collapse from heavy snowfall and inform them of structural retrofitting options.	Severe Winter Weather	Moderate	Surry County Planning and Development	Surry County Planning and Development	2030	To some extent, members of the public have been informed of structural retrofitting techniques, but additional education is required so this will remain an action.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PEA-9	Educate on proper winterizing of homes.	Severe Winter Weather	Moderate	Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-3	Coordinate with PEA-3 and see Implementation Status above
PEA-10	Educate on proper emergency heating equipment.	Severe Winter Weather	Moderate	Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-3	Coordinate with PEA-3 and see Implementation Status above
PEA-11	Educate on winter weather disaster supplies.	Severe Winter Weather	Moderate	Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-3	Coordinate with PEA-3 and see Implementation Status above
PEA-12	Educate on several days' supply of non-perishable food.	Severe Winter Weather	Moderate	Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-3	Coordinate with PEA-3 and see Implementation Status above
PEA-13	Educate on checking smoke alarms and fire extinguishers.	Severe Winter Weather	Moderate	Elkin Fire Department	Elkin Fire Department	See schedule for PEA-3	Coordinate with PEA-3 and see Implementation Status above
PEA-15	Provide home devices which directly access National Weather Service frequencies to the hearing impaired.	Severe Winter Weather	Moderate	Surry County Emergency Management	Surry County Emergency Management	2030	Although some home weather devices have been provided, the town would like to continue to make an effort to distribute these to a broader population.
PEA-16	Place severe winter weather mitigation information on the city website.	Severe Winter Weather	Moderate	Town of Elkin	Town of Elkin	See schedule for PEA-3	Coordinate with PEA-3 and see Implementation Status above
PEA-17	Inform and educate the citizens by providing hazard and mitigation information in public buildings and websites.	Earthquakes	Moderate	Town of Elkin	Town of Elkin	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-18	Educate via classes on proper retrofitting equipment.	Earthquakes	Moderate	Town of Elkin	Town of Elkin	2030	The county has provided some education on earthquake retrofitting, but it would like to encourage more of this and so it will work to hold more classes going forward.

## SECTION 9: MITIGATION ACTION PLAN

### City of Mount Airy Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	Conduct a community ratings system evaluation to continue compliance with NFIP.	Flooding, Geological Hazards (Landslides)	Moderate	Surry County Planning and Development	Surry County Planning and Development	2030, Annually review	The city does not currently participate in the CRS, but it will continue to consider pursuing this, especially as it implements floodplain management actions that will contribute to points in the CRS.
P-2	Develop a comprehensive Capital Improvements Plan.	All	High	Mt. Airy Public Services Department	Mt. Airy Public Services Department	2030	The city has not yet developed a comprehensive CIP, although it has undertaken some capital projects. The county will continue to work to develop a comprehensive CIP going forward.
P-3	Adopt a Storm Water Management Ordinance or Plan	Flooding, Geological Hazards (Landslides)	High	Mt. Airy Public Services Department	Mt. Airy Public Services Department	2030	The city has not yet adopted a Stormwater Management Ordinance or Plan. This will continue to be a goal in the future.
P-5	Require that structural features are manufactured and installed in such a way that the hazardous effect of wind borne debris is limited.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Surry County Planning and Development	Surry County Planning and Development	2030	The city has attempted to identify structures that are constructed in a way that contributes to wind borne debris. Although many cases have been identified and rectified, there is still significant work to be completed on this action.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-6	Make available all necessary resources for fire management planning at all levels.	Wildfire	Moderate	Mt. Airy Fire Department	Mt. Airy Fire Department	2030	Although many resources are available for fire management planning, additional resources would be useful and an ongoing task will be to pursue more resources.
<b>Property Protection</b>							
PP-1	Encourage low-interest loans to farmers from the State to assist with the effects of a drought.	Drought	Low	Board of Commissioners	Surry County Government	2030	The county has encouraged low interest loans from the state and will continue to advocate for those to be available during/after a drought event.
PP-2	Identify and acquire properties that are vulnerable to flood damage.	Flooding, Geological Hazards (Landslides)	High	Planning, Parks and Recreation	Local, State, Federal	2030	The county will continue to attempt to implement mitigation action for repetitive loss properties and other high-risk properties.
PP-3	Review of public and private services for improvements while relocating infrastructure away from flood prone areas.	Flooding, Geological Hazards (Landslides)	High	Mt. Airy Planning	Local	2030	Generally, the county has worked to relocate infrastructure away from flood prone areas. However, there are still areas where infrastructure is located in flood prone areas and the county will work to address those areas.
PP-4	Installation of manufactured homes are property installed and secured.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Surry County Building Inspections	Surry County Planning and Development	2030	The county performs inspections on manufactured homes to ensure they are properly installed. This action will need to be continued going forward.



## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PP-5	Ensure all residential construction conforms with latest wind-resistance standards.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Surry County Building Inspections	Surry County Planning and Development	2030	The county is working to ensure that all residential construction is consistent with the latest wind standards. County officials will continue to identify structures that are in non-conformance and work with citizens to ensure compliance.
PP-6	Retrofit emergency operations centers and critical facilities.	All	High	City of Mt. Airy	City of Mt. Airy	2030	Some critical facilities have been retrofitted to protect against hazards, but many critical facilities remain unmitigated and will need to be addressed.
<b>Emergency Services</b>							
ES-1	Coordinate efforts in regards to equipment and manpower to unload hay and other agriculture products delivered by aircraft, trucks, and trains.	Drought	Moderate	NC Cooperative Extension, Surry County Emergency Management	NC Cooperative Extension	2030	The county has coordinated efforts on equipment in the past and will continue that effort in the event of a drought.
ES-2	Procure water trailers for communities with dry or contaminated wells.	Drought	Moderate	Mt. Airy Public Services Department, Surry County Health and Nutrition	Mt. Airy Public Services Department, Surry County Health and Nutrition	2030	In the past, water trailers were procured when needed to address dry/contaminate wells. This will continue to be the case going forward.
ES-3	Decrease the time for evacuation.	All	High	Surry County Emergency Management, Law Enforcement, Mt. Airy Public Services Department	City of Mt. Airy	2030	The county has attempted to decrease evacuation times in the past, but this is an effort that will continue to be pursued to reduce times even further.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-4	Improve areas where evacuation may be impeded.	All	High	Surry County Emergency Management, Law Enforcement, Mt. Airy Public Services Department	City of Mt. Airy	2030	The county has taken action in some locations where bottlenecks might occur and has worked to develop a plan to keep evacuation moving smoothly. However, as in E-3, the county will continue to try to reduce its evacuation times.
ES-5	Coordinate early warning flash flood systems with Virginia counties that are upstream of County tributaries.	All	Moderate	Surry County Emergency Management	Surry County Emergency Management, NCDEM	2030	The county has worked with upstream VA counties to provide advanced flash flood warnings. Continued coordination will be required on this and the county will work to improve warning systems overall.
ES-6	Monitor and evaluated response time of critical facilities and emergency vehicles.	Flooding, Geological Hazards (Landslides)		Mt. Airy Public Services Department	Mt. Airy Public Services Department	2030	The city has monitored response time of critical facilities and emergency vehicles and will continue to look at ways to improve these going forward.
ES-7	Install and frequently update precipitation gauges and flood monitoring equipment along tributaries.	Flooding, Geological Hazards (Landslides)		Surry County Emergency Management	Surry County Emergency Management	2030	The city constantly monitors precipitation gauges but it will look to invest in greater infrastructure going forward.
ES-8	Make sure that all community warning sirens and warning systems are in proper working condition.	All	High	Surry County Emergency Management	Surry County Emergency Management	2030	The county regularly inspects all warning sirens and systems to ensure they will be ready for a disaster event. The city will continue inspect these systems going forward.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-9	Communicate with other cities/counties to facilitate emergency response and recovery.	All	Moderate	Surry County Emergency Management, Mt. Airy Public Services Department	Surry County Emergency Management, Mt. Airy Public Services Department	2030	The county has taken the lead in the past to coordinate on response and recovery activities with municipalities and it is in constant coordination with other counties. This will continue to be a priority in the future.
ES-10	Train fire fighters with the latest fire fighting techniques and equip them with the most up to date equipment.	Wildfires	Moderate	Mt. Airy Fire Department	Mt. Airy Fire Department	2030	Although firefighters have been well trained and equipped in the past, there is a constant need for additional training and resources, so this will be pursued going forward.
ES-11	Establish a housing numbering system and ensure that the numbers are visible from the road.	Wildfires	Low	E-911 Program	Surry County Emergency Management	2030, Annual review and update	The county completed its re-addressing in 2000 but it will need to be updated on a consistent basis and re-evaluated for an update in the future.
ES-12	Coordinate responses between each of the city's fire departments.	Wildfires	Moderate	Mt. Airy Fire Department	Mt. Airy Fire Department	2030	The county has coordinated response within each of its fire departments and will continue to ensure coordination is maintained.
ES-13	Post warning signs in communities during times when wildfire danger may be imminent.	Wildfires	Moderate	NCDNR	NCDNR	2030	When wildfire risk has been high in the past, the county has posted warning signs to let residents know their risk level. This action will be continued in the future.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-14	Monitor future wildfires so that response times are evaluated and determine the amount of progress made during each fire.	Wildfires	Low	Surry County Emergency Management	Surry County Emergency Management	2030	The county has monitored past fires which has helped them determine response times. This information will continue to be collected and will be integrated to help make better judgments in the future.
ES-15	Keep primary transportation routes clear for emergency traffic and needs.	Severe Winter Weather	High	Mt. Airy Public Services Department	Mt. Airy Public Services Department	2030	The county has worked to keep primary transportation routes cleared in case they are needed for emergency traffic. This action will continue to be pursued by the county.
ES-16	Equip all essential City emergency or non-emergency vehicles with proper equipment to navigate severe winter weather events.	Severe Winter Weather	Moderate	Mt. Airy Public Services Department	Mt. Airy Public Services Department	2030	The county has equipped many of its vehicles with the necessary equipment to navigate severe winter weather. However, some vehicles are not fully equipped and the county will work to ensure adequate resources.
<b>Public Education and Awareness</b>							
PEA-1	Create a mandatory water conservation ordinance to enforce, if necessary.	Drought	Moderate	Surry County Planning and Development, Surry County Health and Nutrition	Surry County Planning and Development, Disaster Declaration Funding	2030, implement when drought conditions require	The county has implemented a mandatory water conservation ordinance in the past when drought conditions persisted. The county will continue to do this when required.
PEA-2	Listing of local radio and TV stations which will broadcast local weather and emergency information.	Drought	Moderate	Surry County Emergency Management	Surry County Emergency Management	Completed	This list has been created and so the action is complete. This will be removed from the next update as a capability.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PEA-3	Monitor and evaluate public response to flood information.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Mt. Airy Planning	Mt. Airy Planning	See schedule for PEA-4	Coordinate with PEA-4 and see Implementation Status above
PEA-4	Increase awareness through all hazards awareness program at cooperative extension office and distribution of materials at government centers.	All	Moderate	NC Cooperative Extension, Surry County Planning and Development	NC Cooperative Extension, Surry County Planning and Development	2030	The county has worked to increase awareness through programs at the cooperative extension and has distributed materials via many government locations. However, these materials and programs will need to be reviewed, so this action will remain in the plan.
PEA-5	Monitor and evaluate public response to high wind information.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-4	Coordinate with PEA-4 and see Implementation Status above
PEA-6	Distribute educational material to the public to simulate wildfire awareness and prevention.	Wildfires	Moderate	Mt. Airy Fire Department	Mt. Airy Fire Department	See schedule for PEA-4	Coordinate with PEA-4 and see Implementation Status above
PEA-7	Monitor and evaluate public response to wildfire information.	Wildfires	Moderate	Mt. Airy Fire Department	Mt. Airy Fire Department	See schedule for PEA-4	Coordinate with PEA-4 and see Implementation Status above
PEA-8	Educate on proper winterizing of homes.	Severe Winter Weather	Moderate	Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-4	Coordinate with PEA-4 and see Implementation Status above
PEA-9	Educate on proper emergency heating equipment.	Severe Winter Weather	Moderate	Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-4	Coordinate with PEA-4 and see Implementation Status above
PEA-10	Educate on winter weather disaster supplies.	Severe Winter Weather	Moderate	Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-4	Coordinate with PEA-4 and see Implementation Status above

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Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PEA-11	Educate on several days' supply of non-perishable food.	Severe Winter Weather	Moderate	Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-4	Coordinate with PEA-4 and see Implementation Status above
PEA-12	Educate on checking smoke alarms and fire extinguishers.	Severe Winter Weather	Moderate	Mt Airy. Fire Department	Mt Airy. Fire Department	See schedule for PEA-4	Coordinate with PEA-4 and see Implementation Status above
PEA-13	Inform and educate the citizens by providing hazard and mitigation information in public buildings and websites.	Earthquakes	Moderate	City of Mt. Airy	City of Mt. Airy	See schedule for PEA-4	Coordinate with PEA-4 and see Implementation Status above
PEA-14	Educate via classes on proper retrofitting equipment.	Earthquakes	Moderate	City of Mt. Airy	City of Mt. Airy	2030	The county has provided some education on earthquake retrofitting, but it would like to encourage more of this and so it will work to hold more classes going forward.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Pilot Mountain Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-2	Develop a comprehensive Capital Improvements Plan.	All	High	Town of Pilot Mountain, Surry County Planning and Development	Surry County Planning and Development	2030	The county has not yet developed a comprehensive CIP, although it has undertaken some capital projects. The county will continue to work to develop a comprehensive CIP going forward.
P-3	Adopt a Storm Water Management Ordinance or Plan	Flooding, Geological Hazards (Landslides)	High	Town of Pilot Mountain, Board of County Commissioners	Surry County Planning and Development	2030	The county has not yet adopted a Stormwater Management Ordinance or Plan. This will continue to be a goal in the future.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-5	Require that structural features are manufactured and installed in such a way that the hazardous effect of wind borne debris is limited.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Town of Pilot Mountain, Surry County Building Inspections	Surry County Planning and Development	2030	The county has attempted to identify structures that are constructed in a way that contributes to wind borne debris. Although many cases have been identified and rectified, there is still significant work to be completed on this action.
P-6	Develop a wildfire management plan including clear objectives. The plan should include degree of fire risk and wildfire history of county.	Wildfires	Moderate	Town of Pilot Mountain, NCDFR, USFS, Surry County Fire Marshal's Office	NCDFR, USFS, Surry County Fire Marshal's Office	2030	A wildfire management plan is in progress of being developed but the plan is not complete, so additional work will need to be completed.
P-7	Make available all necessary resources for fire management planning at all levels.	Wildfires	Moderate	Town of Pilot Mountain, Surry County Emergency Management	Local, State, Federal	2030	Although many resources are available for fire management planning, additional resources would be useful and an ongoing task will be to pursue more resources.
<b>Property Protection</b>							
PP-1	Encourage low-interest loans to farmers from the State to assist with the effects of a drought.	Drought	Low	Board of County Commissioners	Surry County Government	2030	The county has encouraged low interest loans from the state and will continue to advocate for those to be available during/after a drought event.
PP-3	Review of public and private services for improvements while relocating infrastructure away from flood prone areas.	Flooding, Geological Hazards (Landslides)	High	Town of Pilot Mountain, Surry County Planning and Development	Local	2030	Generally, the county has worked to relocate infrastructure away from flood prone areas. However, there are still areas where infrastructure is located in flood prone areas and the county will work to address those areas.



## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PP-4	Installation of manufactured homes are properly installed and secured.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Town of Pilot Mountain, Surry County Building Inspections	Surry County Planning and Development	2030	The county performs inspections on manufactured homes to ensure they are properly installed. This action will need to be continued going forward.
PP-5	Ensure all residential construction conforms with latest wind-resistance standards.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Town of Pilot Mountain, Surry County Building Inspections	Surry County Planning and Development	2030	The county is working to ensure that all residential construction is consistent with the latest wind standards. County officials will continue to identify structures that are in non-conformance and work with citizens to ensure compliance.
PP-6	Retrofit emergency operations centers and critical facilities.	All	High	Town of Pilot Mountain, Surry County	Surry County	2030	Some critical facilities have been retrofitted to protect against hazards, but many critical facilities remain unmitigated and will need to be addressed.
<b>Emergency Services</b>							
ES-1	Coordinate efforts in regards to equipment and manpower to unload hay and other agriculture products delivered by aircraft, trucks, and trains.	Drought	Moderate	Town of Pilot Mountain, NC Cooperative Extension, Surry County Emergency Management	NC Cooperative Extension	2030	The county has coordinated efforts on equipment in the past and will continue that effort in the event of a drought.
ES-2	Procure water trailers for communities with dry or contaminated wells.	Drought	Moderate	Town of Pilot Mountain, Surry County Emergency Management, Surry County Health and Nutrition	Surry County Emergency Management, Surry County Health and Nutrition	2030	In the past, water trailers were procured when needed to address dry/contaminate wells. This will continue to be the case going forward.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-3	Decrease the time for evacuation.	All	High	Town of Pilot Mountain, Surry County Emergency Management, Law Enforcement	Surry County Emergency Management, Law Enforcement	2030	The county has attempted to decrease evacuation times in the past, but this is an effort that will continue to be pursued to reduce times even further.
ES-4	Improve areas where evacuation may be impeded.	All	High	Town of Pilot Mountain, Surry County Emergency Management, Law Enforcement	Surry County Emergency Management	2030	The county has taken action in some locations where bottlenecks might occur and has worked to develop a plan to keep evacuation moving smoothly. However, as in E-3, the county will continue to try to reduce its evacuation times.
ES-5	Coordinate early warning flash flood systems with Virginia counties that are upstream of County tributaries.	All	Moderate	Town of Pilot Mountain, Surry County Emergency Management	Surry County Emergency Management, NCDEM	2030	The county has worked with upstream VA counties to provide advanced flash flood warnings. Continued coordination will be required on this and the county will work to improve warning systems overall.
ES-6	Make sure that all community warning sirens and warning systems are in proper working condition.	All	High	Town of Pilot Mountain, Surry County Emergency Management	Surry County Emergency Management	2030	The county regularly inspects all warning sirens and systems to ensure they will be ready for a disaster event. The city will continue inspect these systems going forward.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-7	Communicate with other cities/counties to facilitate emergency response and recovery.	All	Moderate	Town of Pilot Mountain, Surry County Emergency Management	Surry County Emergency Management	2030	The county has taken the lead in the past to coordinate on response and recovery activities with municipalities and it is in constant coordination with other counties. This will continue to be a priority in the future.
ES-8	Train fire fighters with the latest fire fighting techniques and equip them with the most up to date equipment.	Wildfires	Moderate	Town of Pilot Mountain, Surry County Fire Marshal's Office, NCDNR	Local	2030	Although firefighters have been well trained and equipped in the past, there is a constant need for additional training and resources, so this will be pursued going forward.
ES-9	Establish a housing numbering system and ensure that the numbers are visible from the road.	Wildfires	Low	Town of Pilot Mountain, Surry County Emergency Management	Surry County Emergency Management	2030, Annual review and update	The county completed its re-addressing in 2000 but it will need to be updated on a consistent basis and re-evaluated for an update in the future.
ES-10	Coordinate responses between each of the county's fire departments.	Wildfires	Moderate	Town of Pilot Mountain, Surry County Fire Marshal's Office	Surry County Fire Marshal's Office	2030	The county has coordinated response within each of its fire departments and will continue to ensure coordination is maintained.
ES-11	Post warning signs in communities during times when wildfire danger may be imminent.	Wildfires	Moderate	NCDNR	NCDNR	2030	When wildfire risk has been high in the past, the county has posted warning signs to let residents know their risk level. This action will be continued in the future.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
ES-12	Monitor future wildfires so that response times are evaluated and determine the amount of progress made during each fire.	Wildfires	Low	Town of Pilot Mountain, Surry County Emergency Management	Surry County Emergency Management	2030	The county has monitored past fires which has helped them determine response times. This information will continue to be collected and will be integrated to help make better judgments in the future.
ES-13	Keep primary transportation routes clear for emergency traffic and needs.	Severe Winter Weather	High	NCDOT, Law Enforcement	NCDOT, Law Enforcement	2030	The county has worked to keep primary transportation routes cleared in case they are needed for emergency traffic. This action will continue to be pursued by the county.
ES-14	Equip all essential County emergency or non-emergency vehicles with proper equipment to navigate severe winter weather events.	Severe Winter Weather	Moderate	Town of Pilot Mountain, Each Surry County Department is responsible for its vehicles	Each Surry County Department is responsible for its vehicles	2030	The county has equipped many of its vehicles with the necessary equipment to navigate severe winter weather. However, some vehicles are not fully equipped and the county will work to ensure adequate resources.
<b>Public Education and Awareness</b>							
PEA-1	Distribute educational material to the public to stimulate drought awareness.	All	Moderate	Town of Pilot Mountain, NC Cooperative Extension, Surry County Planning and Development, Surry County Public Works	NC Cooperative Extension, Surry County Planning and Development	2030	The county has developed a number of educational materials and brochures for the public to utilize, but these may need to be updated and will need to be reviewed so this action will remain in the plan.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PEA-2	Increase awareness through drought awareness program at cooperative extension office and distribution of materials at government centers.	All	Moderate	Town of Pilot Mountain, NC Cooperative Extension, Surry County Planning and Development	NC Cooperative Extension, Surry County Planning and Development	2030	The county has worked to increase awareness through programs at the cooperative extension and has distributed materials via many government locations. However, these materials and programs will need to be reviewed, so this action will remain in the plan.
PEA-3	Create a mandatory water conservation ordinance to enforce, if necessary.	Drought	Moderate	Town of Pilot Mountain, Surry County Planning and Development, Surry County Health and Nutrition	Surry County Planning and Development, Disaster Declaration Funding	2030, implement when drought conditions require	The county has implemented a mandatory water conservation ordinance in the past when drought conditions persisted. The county will continue to do this when required.
PEA-5	Increase awareness through flood awareness program at local schools and distribution of materials at government centers.	Flooding, Geological Hazards (Landslides)	Moderate	NC Cooperative Extension, Surry County Planning and Development	NC Cooperative Extension	See schedule for PEA-2	Coordinate with PEA-2 and see Implementation Status above

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PEA-6	Increase awareness through high wind awareness program at local schools and distribution of materials at government centers.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Town of Pilot Mountain, Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-2	Coordinate with PEA-2 and see Implementation Status above
PEA-7	Monitor and evaluate public response to high wind information.	Tornadoes/ Thunderstorms, Hurricane and Coastal Hazards, Severe Winter Weather	Moderate	Town of Pilot Mountain, Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-8	Distribute educational material to the public to simulate wildfire awareness and prevention.	Wildfires	Moderate	Town of Pilot Mountain, Surry County Fire Marshal's Office, Surry County Emergency Management	Surry County Fire Marshal's Office, Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-9	Increase awareness through wildfire awareness program at local schools and distribution of materials at government centers.	Wildfires	Moderate	Town of Pilot Mountain, Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-2	Coordinate with PEA-2 and see Implementation Status above
PEA-10	Monitor and evaluate public response to wildfire information.	Wildfires	Moderate	Town of Pilot Mountain, Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-11	Educate on proper winterizing of homes.	Severe Winter Weather	Moderate	Town of Pilot Mountain, Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
PEA-12	Educate on proper emergency heating equipment.	Severe Winter Weather	Moderate	Town of Pilot Mountain, Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-13	Educate on winter weather disaster supplies.	Severe Winter Weather	Moderate	Town of Pilot Mountain, Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-14	Educate on several days' supply of non-perishable food.	Severe Winter Weather	Moderate	Town of Pilot Mountain, Surry County Emergency Management	Surry County Emergency Management	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-15	Educate on checking smoke alarms and fire extinguishers.	Severe Winter Weather	Moderate	Town of Pilot Mountain, Surry County Fire Marshal's Office	Surry County Fire Marshal's Office	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-16	Inform and educate the citizens by providing hazard and mitigation information in public buildings and websites.	Earthquakes	Moderate	Town of Pilot Mountain, Surry County	Surry County	See schedule for PEA-1	Coordinate with PEA-1 and see Implementation Status above
PEA-17	Educate via classes on proper retrofitting equipment.	Earthquakes	Moderate	Town of Pilot Mountain, Surry County	Surry County	2030	The county has provided some education on earthquake retrofitting, but it would like to encourage more of this and so it will work to hold more classes going forward.

## SECTION 9: MITIGATION ACTION PLAN

### Yadkin County Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Yadkin County Planning and Zoning	Local	Completed	Land Use Plan updated in November 2023 and includes hazard mitigation objectives. This action will be removed from the 2030 plan.
P-3	Update the Subdivision Ordinance by reviewing and incorporating hazard mitigation objectives.	All	Moderate	Yadkin County Planning and Zoning	Local	2030	Continue work on the Subdivision Ordinance. Action to be revisited in 2030.
P-4	Review and revise the Planning Ordinance to allow for clustering of residential lots.	Flooding	Moderate	Yadkin County Planning and Zoning	Local	2030	Although clustering of development is allowed through the group development article of the Planning Ordinance, the county will work to further encourage cluster development in the future.
P-5	Revise and update the regulatory floodplain maps.	Flooding	High	Yadkin County Planning and Zoning	Federal State	2030	Floodplain maps are being reviewed. Action to be revisited in 2030.



## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-6	<p>Building Inspections – Flood Damaged Structures. Any and all portions of buildings that have been submerged for any length of time will be inspected for flood related damage as well as other conditions that may be dangerous to life, health or other property. Plan for Damaged Structures:</p> <ol style="list-style-type: none"> <li>1. Overall damage assessment/data collection (visual inspection from roadways).</li> <li>2. Data compiled and geographical areas assigned to teams.</li> <li>3. Second detailed assessment by area teams.</li> <li>4. Portions of walls, floors, ceilings, etc. that have been exposed to water will be opened for evaluation.</li> <li>5. All construction that is repaired, replaced, dried or sealed will be inspected before covered.</li> <li>6. Structure inspected for certificate of compliance.</li> </ol>	Flooding	High	Yadkin County Building Inspections	Local	2030	The county has implemented inspections of flood damaged structures in the past utilizing the method outlined. This action will continue to be implemented going forward as required when flooding damages structures. When this occurs, the policy will be re-evaluated to determine if changes are necessary. Action to be revisited in 2030.
P-7	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; 3) conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Yadkin County Building Inspections	Local	2030, Review and update post-event	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged. When this occurs, the policy will be re-evaluated to determine if changes are necessary.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-8	Create a zoning map (digital) that can be easily reproduced/updated for staff and public use.	All	High	Yadkin County Planning and Zoning	Local	Completed	Zoning Map is available on GIS. This action will be removed from the 2030 plan.
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flood	Moderate	Yadkin County Planning and Zoning	Local	2030, Annual review and update	The county currently has a list of all repetitive loss properties, but that list will need to be updated to ensure any repetitive loss properties are on the radar of local officials and that mitigation strategies can be devised.
PP-2	Improve shelter capacities with alternate power/heat sources.	Severe Winter Weather	High	Yadkin County Emergency Services	Local	2030	A new sheltering plan is being written along with additional shelters are being added. Old shelters are being removed. Action to be revisited in 2030.
<b>Emergency Services</b>							
ES-1	Ensure adequate evacuation warning in case of major hazard event.	All	High	Yadkin County Emergency Services	Local	2030, In advance of events	The notification system has been continually funded and is still in operation today. Action to be revisited in 2030.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Public Education and Awareness</b>							
PEA-1	Place flood protection and other hazard education materials in all branches of the Yadkin County public library system.	All	High	Yadkin County Planning and Zoning	Local	Completed	Flyer created and shared with various entities. This action will be removed from the 2030 plan.
PEA-2	Ensure that the Planning Director is informed of erosion and sedimentation control methods and pushes this information out to the public.	Flooding	High	Yadkin County Planning and Zoning	Local	2030, Annually	The Yadkin County Planning and Zoning Director has received training on erosion and sedimentation control methods and on floodplain surveying certification. On an annual basis, this official or his designee makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Boonville Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Town of Boonville, Yadkin County Planning and Zoning	Local	2030	They will continue to be updated. Action to be revisited in 2030.
P-3	Update the Subdivision Ordinance by reviewing and incorporating hazard mitigation objectives.	All	Moderate	Town of Boonville, Yadkin County Planning and Zoning	Local	2030	This is being reviewed. Action to be revisited in 2030.
P-4	Review and revise the Planning Ordinance to allow for clustering of residential lots.	Flooding	Moderate	Town of Boonville, Yadkin County Planning and Zoning	Local	2030	This will continue. Action to be revisited in 2030.
P-5	Revise and update the regulatory floodplain maps.	Flooding	High	Town of Boonville, Yadkin County Planning and Zoning	Federal State	2030	This is reviewed by the county. Action to be revisited in 2030.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-6	<p>Building Inspections – Flood Damaged Structures. Any and all portions of buildings that have been submerged for any length of time will be inspected for flood related damage as well as other conditions that may be dangerous to life, health or other property. Plan for Damaged Structures:</p> <ol style="list-style-type: none"> <li>1. Overall damage assessment/data collection (visual inspection from roadways).</li> <li>2. Data compiled and geographical areas assigned to teams.</li> <li>3. Second detailed assessment by area teams.</li> <li>4. Portions of walls, floors, ceilings, etc. that have been exposed to water will be opened for evaluation.</li> <li>5. All construction that is repaired, replaced, dried or sealed will be inspected before covered.</li> <li>6. Structure inspected for certificate of compliance.</li> </ol>	Flooding	High	Town of Boonville, Yadkin County Building Inspections	Local	2030, Review and update post-event	This will continue. Action to be revisited in 2030.
P-7	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; 3) conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Town of Boonville, Yadkin County Building Inspections	Local	2030, Review and update post-event	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged. When this occurs, the policy will be re-evaluated to determine if changes are necessary.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-8	Create a zoning map (digital) that can be easily reproduced/updated for staff and public use.	All	High	Town of Boonville, Yadkin County Planning and Zoning	Local	2030	The county has created a zoning map, but it will need to be updated periodically in the future so this action will remain in place.
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding	Moderate	Town of Boonville, Yadkin County Planning and Zoning	Local	2030, Annual review and update	The county currently has a list of all repetitive loss properties, but that list will need to be updated to ensure any repetitive loss properties are on the radar of local officials and that mitigation strategies can be devised.
PP-2	Improve shelter capacities with alternate power/heat sources.	Severe Winter Weather	High	Town of Boonville, Yadkin County Emergency Services	Local	2030	The sheltering annex in the EOP is being updated to reflect improvements. Action to be revisited in 2030.
<b>Emergency Services</b>							
ES-1	Ensure adequate evacuation warning in case of major hazard event.	All	High	Town of Boonville, Yadkin County Emergency Services	Local	2030, In advance of events	The notification system has been continually funded and is still in operation today. Action to be revisited in 2030.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Public Education and Awareness</b>							
PEA-1	Place flood protection and other hazard education materials in all branches of the Yadkin County public library system.	All	High	Town of Boonville, Yadkin County Planning and Zoning	Local	2030	The county has placed education materials concerning hazards in all branches of the county library, but this action will need to be reviewed and revised as additional information is likely available and other outreach strategies will be explored.
PEA-2	The Yadkin County Planning and Zoning Director has received training on erosion and sedimentation control methods and on floodplain surveying certification. On an annual basis, this official or his designee makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.	Flooding	High	Town of Boonville, Yadkin County Planning and Zoning	Local	2030, Annually	The Yadkin County Planning and Zoning Director has received training on erosion and sedimentation control methods and on floodplain surveying certification. On an annual basis, this official or his designee makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.

## SECTION 9: MITIGATION ACTION PLAN

### Town of East Bend Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Town of East Bend, Yadkin County Planning and Zoning	Local	2030	Will review at next update. Action to be revisited in 2030.
P-3	Update the Subdivision Ordinance by reviewing and incorporating hazard mitigation objectives.	All	Moderate	Town of East Bend, Yadkin County Planning and Zoning	Local	2030	Some mitigation objectives have been integrated into the Subdivision Ordinance, but additional integration would be beneficial.
P-4	Review and revise the Planning Ordinance to allow for clustering of residential lots.	Flooding	Moderate	Town of East Bend, Yadkin County Planning and Zoning	Local	2030	Although clustering of development is allowed through the group development article of the Planning Ordinance, the county will work to further encourage cluster development in the future.
P-5	Revise and update the regulatory floodplain maps.	Flooding	High	Town of East Bend, Yadkin County Planning and Zoning	Federal State	2030	Floodplain maps are updated by the state and while they have been updated relatively recently, another update of these maps is likely on the horizon.



## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-6	<p>Building Inspections – Flood Damaged Structures. Any and all portions of buildings that have been submerged for any length of time will be inspected for flood related damage as well as other conditions that may be dangerous to life, health or other property. Plan for Damaged Structures:</p> <ol style="list-style-type: none"> <li>1. Overall damage assessment/data collection (visual inspection from roadways).</li> <li>2. Data compiled and geographical areas assigned to teams.</li> <li>3. Second detailed assessment by area teams.</li> <li>4. Portions of walls, floors, ceilings, etc. that have been exposed to water will be opened for evaluation.</li> <li>5. All construction that is repaired, replaced, dried or sealed will be inspected before covered.</li> <li>6. Structure inspected for certificate of compliance.</li> </ol>	Flooding	High	Town of East Bend, Yadkin County Building Inspections	Local	2030, Review and update post-event	The County takes care of this. Action to be revisited in 2030.
P-7	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; 3) conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Town of East Bend, Yadkin County Building Inspections	Local	2030, Review and update post-event	The county has implemented policies related to utility services in the past through the method outlined. This action will continue to be implemented going forward as required when utilities are damaged. When this occurs, the policy will be re-evaluated to determine if changes are necessary.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-8	Create a zoning map (digital) that can be easily reproduced/updated for staff and public use.	All	High	Town of East Bend, Yadkin County Planning and Zoning	Local	2030	The county has created a zoning map, but it will need to be updated periodically in the future so this action will remain in place.
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding	Moderate	Town of East Bend, Yadkin County Planning and Zoning	Local	2030, Annual review and update	The county currently has a list of all repetitive loss properties, but that list will need to be updated to ensure any repetitive loss properties are on the radar of local officials and that mitigation strategies can be devised.
PP-2	Improve shelter capacities with alternate power/heat sources.	All	High	Town of East Bend, Yadkin County Emergency Services	Local	2030	Although many shelters have improved capacities, improvements in the form of generators or other heat sources are still necessary and will be pursued.
<b>Emergency Services</b>							
ES-1	Ensure adequate evacuation warning in case of major hazard event.	All	High	Town of East Bend, Yadkin County Emergency Services	Local	2030, In advance of events	The notification system has been continually funded and is still in operation today. Action to be revisited in 2030.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Public Education and Awareness</b>							
PEA-1	Place flood protection and other hazard education materials in all branches of the Yadkin County public library system.	All	High	Town of East Bend, Yadkin County Planning and Zoning	Local	2030	The county has placed education materials concerning hazards in all branches of the county library, but this action will need to be reviewed and revised as additional information is likely available and other outreach strategies will be explored.
PEA-2	The Yadkin County Planning and Zoning Director has received training on erosion and sedimentation control methods and on floodplain surveying certification. On an annual basis, this official or his designee makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.	Flooding	High	Town of East Bend, Yadkin County Planning and Zoning	Local	2030, Annually	The Yadkin County Planning and Zoning Director has received training on erosion and sedimentation control methods and on floodplain surveying certification. On an annual basis, this official or his designee makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Jonesville Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Town of Jonesville, Yadkin County Planning and Zoning	Local	2030	Currently working on plan and this will be a part. Action to be revisited in 2030.
P-3	Update the Subdivision Ordinance by reviewing and incorporating hazard mitigation objectives.	All	Moderate	Town of Jonesville, Yadkin County Planning and Zoning	Local	2030	Town is looking into this. Action to be revisited in 2030.
P-4	Review and revise the Planning Ordinance to allow for clustering of residential lots.	Flooding	Moderate	Town of Jonesville, Yadkin County Planning and Zoning	Local	2030	Check with county. Action to be revisited in 2030.
P-5	Revise and update the regulatory floodplain maps.	Flooding	High	Town of Jonesville, Yadkin County Planning and Zoning	Federal State	2030	County has worked with the town to update this information. Action to be revisited in 2030.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-6	<p>Building Inspections – Flood Damaged Structures. Any and all portions of buildings that have been submerged for any length of time will be inspected for flood related damage as well as other conditions that may be dangerous to life, health or other property. Plan for Damaged Structures:</p> <ol style="list-style-type: none"> <li>1. Overall damage assessment/data collection (visual inspection from roadways).</li> <li>2. Data compiled and geographical areas assigned to teams.</li> <li>3. Second detailed assessment by area teams.</li> <li>4. Portions of walls, floors, ceilings, etc. that have been exposed to water will be opened for evaluation.</li> <li>5. All construction that is repaired, replaced, dried or sealed will be inspected before covered.</li> <li>6. Structure inspected for certificate of compliance.</li> </ol>	Flooding	High	Town of Jonesville, Yadkin County Building Inspections	Local	2030, Review and update post-event	Inspections are handled by the county. Action to be revisited in 2030.
P-7	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; 3) conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Town of Jonesville, Yadkin County Building Inspections	Local	2030, Review and update post-event	The county has invested in a mass notification system. This along with radio and TV. Action to be revisited in 2030.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-8	Create a zoning map (digital) that can be easily reproduced/updated for staff and public use.	All	High	Town of Jonesville, Yadkin County Planning and Zoning	Local	2030	The county GIS has this covered. Action to be revisited in 2030.
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding	Moderate	Town of Jonesville, Yadkin County Planning and Zoning	Local	2030, Annual review and update	This is maintained. Action to be revisited in 2030.
PP-2	Improve shelter capacities with alternate power/heat sources.	All	High	Town of Jonesville, Yadkin County Emergency Services	Local	2030	County is improving the sheltering plan. Action to be revisited in 2030.
<b>Emergency Services</b>							
ES-1	Ensure adequate evacuation warning in case of major hazard event.	All	High	Town of Jonesville, Yadkin County Emergency Services	Local	2030, In advance of events	The notification system has been continually funded and is still in operation today. Action to be revisited in 2030.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Public Education and Awareness</b>							
PEA-1	Place flood protection and other hazard education materials in all branches of the Yadkin County public library system.	All	High	Town of Jonesville, Yadkin County Planning and Zoning	Local	2030	Still in the works. Action to be revisited in 2030.
PEA-2	The Yadkin County Planning and Zoning Director has received training on erosion and sedimentation control methods and on floodplain surveying certification. On an annual basis, this official or his designee makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.	Flooding	High	Town of Jonesville, Yadkin County Planning and Zoning	Local	2030, Annually	Working with the county. Action to be revisited in 2030.

## SECTION 9: MITIGATION ACTION PLAN

### Town of Yadkinville Mitigation Action Plan

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Prevention</b>							
P-1	At next Land Use Plan Update, review and include hazard mitigation objectives.	All	Moderate	Town of Yadkinville, Yadkin County Planning and Zoning	Local	2030	No changes. Action to be revisited in 2030.
P-3	Update the Subdivision Ordinance by reviewing and incorporating hazard mitigation objectives.	All	Moderate	Town of Yadkinville, Yadkin County Planning and Zoning	Local	2030	This is encouraged. Action to be revisited in 2030.
P-4	Review and revise the Planning Ordinance to allow for clustering of residential lots.	Flooding	Moderate	Town of Yadkinville, Yadkin County Planning and Zoning	Local	2030	It was reviewed and it is encouraged. Action to be revisited in 2030.
P-5	Revise and update the regulatory floodplain maps.	Flooding	High	Town of Yadkinville, Yadkin County Planning and Zoning	Federal State	2030	Coordinate with the County. Action to be revisited in 2030.



## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-6	<p>Building Inspections – Flood Damaged Structures. Any and all portions of buildings that have been submerged for any length of time will be inspected for flood related damage as well as other conditions that may be dangerous to life, health or other property. Plan for Damaged Structures:</p> <ol style="list-style-type: none"> <li>1. Overall damage assessment/data collection (visual inspection from roadways).</li> <li>2. Data compiled and geographical areas assigned to teams.</li> <li>3. Second detailed assessment by area teams.</li> <li>4. Portions of walls, floors, ceilings, etc. that have been exposed to water will be opened for evaluation.</li> <li>5. All construction that is repaired, replaced, dried or sealed will be inspected before covered.</li> <li>6. Structure inspected for certificate of compliance.</li> </ol>	Flooding	High	Town of Yadkinville, Yadkin County Building Inspections	Local	2030, Review and update post-event	The County has this responsibility. Action to be revisited in 2030.
P-7	Policy and procedures related to storm damage and disconnected utility services: 1) inform public via television, radio and newspaper of the necessary steps to have utilities restored; 2) restrict travel as necessary while collecting damage assessment data; 3) conduct inspections on first come, first serve basis; 4) work overtime to expedite utility reconnections.	All	High	Town of Yadkinville, Yadkin County Building Inspections	Local	2030, Review and update post-event	The town has its own SEO. Action to be revisited in 2030.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
P-8	Create a zoning map (digital) that can be easily reproduced/updated for staff and public use.	All	High	Town of Yadkinville, Yadkin County Planning and Zoning	Local	2030	The County has this responsibility. Action to be revisited in 2030.
<b>Property Protection</b>							
PP-1	Create and maintain a list of repetitive flood loss properties.	Flooding	Moderate	Town of Yadkinville, Yadkin County Planning and Zoning	Local	2030, Annual review and update	The county currently has a list of all repetitive loss properties, but that list will need to be updated to ensure any repetitive loss properties are on the radar of local officials and that mitigation strategies can be devised.
PP-2	Improve shelter capacities with alternate power/heat sources.	All	High	Town of Yadkinville, Yadkin County Emergency Services	Local	2030	Although many shelters have improved capacities, improvements in the form of generators or other heat sources are still necessary and will be pursued.
<b>Emergency Services</b>							
ES-1	Ensure adequate evacuation warning in case of major hazard event.	All	High	Town of Yadkinville, Yadkin County Emergency Services	Local	2030, In advance of events	The notification system has been continually funded and is still in operation today. Action to be revisited in 2030.

## SECTION 9: MITIGATION ACTION PLAN

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2025)
<b>Public Education and Awareness</b>							
PEA-1	Place flood protection and other hazard education materials in all branches of the Yadkin County public library system.	All	High	Town of Yadkinville, Yadkin County Planning and Zoning	Local	2030	The county has placed education materials concerning hazards in all branches of the county library, but this action will need to be reviewed and revised as additional information is likely available and other outreach strategies will be explored.
PEA-2	The Yadkin County Planning and Zoning Director has received training on erosion and sedimentation control methods and on floodplain surveying certification. On an annual basis, this official or his designee makes numerous site visits to assist property owners and developers with problems and potential problems associated with drainage, erosion, and flooding. Site visits are made at the request of the property owner or developer and are usually handled through the Planning and Zoning Department.	Flooding	High	Town of Yadkinville, Yadkin County Planning and Zoning	Local	2030, Annually	The County has this responsibility. Action to be revisited in 2030.

# SECTION 10

## PLAN MAINTENANCE

This section discusses how the Northern Piedmont Region Mitigation Strategy and Mitigation Action Plan will be implemented and how the Regional Hazard Mitigation Plan will be evaluated and enhanced over time. This section also discusses how the public will continue to be involved in a sustained hazard mitigation planning process. It consists of the following four subsections:

- 10.1 Implementation and Integration
- 10.2 Monitoring, Evaluation, and Enhancement
- 10.3 Continued Public Involvement
- 10.4 Evaluation of Monitoring, Evaluation and Update Process

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### 44 CFR Requirement

#### **44 CFR Part 201.6(c)(4)(i):**

The plan shall include a plan maintenance process that includes a section describing the method and schedule of monitoring, evaluating and updating the mitigation plan within a five-year cycle.

#### **44 CFR Part 201.6(c)(4)(ii):**

The plan maintenance process shall include a process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate.

## 10.1 IMPLEMENTATION AND INTEGRATION

Each agency, department or other partner participating under the Northern Piedmont Regional Hazard Mitigation Plan is responsible for implementing specific mitigation actions as prescribed in the Mitigation Action Plan. Every proposed action listed in the Mitigation Action Plan is assigned to a specific “lead” agency or department in order to assign responsibility and accountability and increase the likelihood of subsequent implementation.

In addition to the assignment of a local lead department or agency, an implementation time period or a specific implementation date has been assigned to assess whether actions are being implemented in a timely fashion. The participating jurisdictions in the Northern Piedmont Region will seek outside funding sources to implement mitigation projects in both the pre-disaster and post-disaster environments. When applicable, potential funding sources have been identified for proposed actions listed in the Mitigation Action Plan.

The participating jurisdictions will integrate this Hazard Mitigation Plan into relevant City and County government decision-making processes or mechanisms, where feasible. This includes integrating the requirements of the Hazard Mitigation Plan into other local planning documents, processes or mechanisms, such as comprehensive or capital improvement plans, when appropriate. The members of

the Northern Piedmont Regional Hazard Mitigation Planning Committee will remain charged with ensuring that the goals and mitigation actions of new and updated local planning documents for their agencies or departments are consistent, or do not conflict with, the goals and actions of the Hazard Mitigation Plan, and will not contribute to increased hazard vulnerability in the Northern Piedmont Region.

Since the initial plan was adopted in 2015, each County and participating jurisdiction has worked to integrate the hazard mitigation plan into other planning mechanisms where applicable/feasible. Examples of how this integration has occurred have been documented in the Implementation Status discussion provided for each of the mitigation actions found in Section 9. Specific examples of how integration has occurred include:

- Integrating the mitigation plan into reviews and updates of floodplain management ordinances
- Integrating the mitigation plan into reviews and updates of County emergency operations plans
- Integrating the mitigation plan into review and updates of building codes
- Integrating the mitigation plan into the capital improvements plan through identification of mitigation actions that require local funding.

Opportunities to further integrate the requirements of this Plan into other local planning mechanisms shall continue to be identified through future meetings of the Regional Hazard Mitigation Planning Committee, individual county meetings, and the annual review process described herein. Although it is recognized that there are many possible benefits to integrating components of this Plan into other local planning mechanisms, the development and maintenance of this stand-alone Regional Hazard Mitigation Plan is deemed by the Northern Piedmont Regional Hazard Mitigation Planning Committee to be the most effective and appropriate method to implement local hazard mitigation actions at this time.

### 10.2 MONITORING, EVALUATION AND ENHANCEMENT

Periodic revisions and updates of the Hazard Mitigation Plan are required to ensure that the goals of the Plan are kept current, taking into account potential changes in hazard vulnerability and mitigation priorities. In addition, revisions may be necessary to ensure that the Plan is in full compliance with applicable federal and state regulations. Periodic evaluation of the Plan will also ensure that specific mitigation actions are being reviewed and carried out according to the Mitigation Action Plan.

When determined necessary, the Northern Piedmont Regional Hazard Mitigation Planning Committee shall meet in March of every year to evaluate and monitor the progress attained and to revise, where needed, the activities set forth in the Plan. The findings and recommendations of the Regional Hazard Mitigation Planning Committee shall be documented in the form of a report that can be shared with interested City and County Council members. The Regional Hazard Mitigation Planning Committee will also meet following any disaster events warranting a reexamination of the mitigation actions being implemented or proposed for future implementation. This will ensure that the Plan is continuously updated to reflect changing conditions and needs within the Northern Piedmont Region. For future updates of the plan, North Carolina Emergency Management's Hazard Mitigation Planning section will help coordinate the reconvening the Regional Hazard Mitigation Planning Committee for these reviews through coordination with each County's Emergency Management Departments. The Emergency Management Directors from the seven participating counties will maintain ultimate responsibility for their respective County's plan implementation and monitoring, evaluation and update.

### **Five (5) Year Plan Review**

The Plan will be thoroughly reviewed by the Regional Hazard Mitigation Planning Committee every five years to determine whether there have been any significant changes in the Northern Piedmont Region that may, in turn, necessitate changes in the types of mitigation actions proposed. New development in identified hazard areas, an increased exposure to hazards, an increase or decrease in capability to address hazards, and changes to federal or state legislation are examples of factors that may affect the necessary content of the Plan.

The plan review provides participating jurisdiction officials with an opportunity to evaluate those actions that have been successful and to explore the possibility of documenting potential losses avoided due to the implementation of specific mitigation measures. The plan review also provides the opportunity to address mitigation actions that may not have been successfully implemented as assigned. North Carolina Emergency Management's Hazard Mitigation Planning section will help coordinate the reconvening the Regional Hazard Mitigation Planning Committee and conducting the five-year review through coordination with each County's Emergency Management Departments.

During the five-year plan review process, the following questions will be considered as criteria for assessing the effectiveness and appropriateness of the Plan:

- Do the goals address current and expected conditions?
- Has the nature or magnitude of risks changed?
- Are the current resources appropriate for implementing the Plan?
- Are there implementation problems, such as technical, political, legal or coordination issues with other agencies?
- Have the outcomes occurred as expected?
- Did County departments participate in the plan implementation process as assigned?

Following the five-year review, any revisions deemed necessary will be summarized and implemented according to the reporting procedures and plan amendment process outlined herein. Upon completion of the review and update/amendment process, the Northern Piedmont Regional Hazard Mitigation Plan will be submitted to the State Hazard Mitigation Officer at the North Carolina Division of Emergency Management (NCEM) for final review and approval in coordination with the Federal Emergency Management Agency (FEMA).

### **Disaster Declaration**

Following a disaster declaration, the Northern Piedmont Regional Hazard Mitigation Plan will be revised as necessary to reflect lessons learned, or to address specific issues and circumstances arising from the event. It will be the responsibility North Carolina Emergency Management's Hazard Mitigation Planning section to coordinate the reconvening of the Regional Hazard Mitigation Planning Committee, through coordination with each County's Emergency Management Department, and ensure the appropriate stakeholders are invited to participate in the plan revision and update process following declared disaster events.

### **Reporting Procedures**

The results of the five-year review will be summarized by the Regional Hazard Mitigation Planning Committee in a report that will include an evaluation of the effectiveness of the Plan and any required or recommended changes or amendments. The report will also include an evaluation of

implementation progress for each of the proposed mitigation actions, identifying reasons for delays or obstacles to their completion along with recommended strategies to overcome them.

### **Plan Amendment Process**

Upon the initiation of the amendment process, representatives from Northern Piedmont counties will forward information on the proposed change(s) to all interested parties including, but not limited to, all directly affected County departments, residents, and businesses. Information will also be forwarded to the North Carolina Division of Emergency Management. This information will be disseminated in order to seek input on the proposed amendment(s) for no less than a 45-day review and comment period.

At the end of the 45-day review and comment period, the proposed amendment(s) and all comments will be forwarded to the Regional Hazard Mitigation Planning Committee for final consideration. The Planning Committee will review the proposed amendment along with the comments received from other parties, and if acceptable, the committee will submit a recommendation for the approval and adoption of changes to the Plan.

In determining whether to recommend approval or denial of a Plan amendment request, the following factors will be considered by the Regional Hazard Mitigation Planning Committee:

- There are errors, inaccuracies or omissions made in the identification of issues or needs in the Plan
- New issues or needs have been identified which are not adequately addressed in the Plan
- There has been a change in information, data, or assumptions from those on which the Plan is based

Upon receiving the recommendation from the Regional Hazard Mitigation Planning Committee and prior to adoption of the Plan, the participating jurisdictions will hold a public hearing, if deemed necessary. The governing bodies of each participating jurisdiction will review the recommendation from the Regional Hazard Mitigation Planning Committee (including the factors listed above) and any oral or written comments received at the public hearing. Following that review, the governing bodies will take one of the following actions:

- Adopt the proposed amendments as presented
- Adopt the proposed amendments with modifications
- Refer the amendments request back to the Regional Hazard Mitigation Planning Committee for further revision, or
- Defer the amendment request back to the Regional Hazard Mitigation Planning Committee for further consideration and/or additional hearings

## CONTINUED PUBLIC INVOLVEMENT

### 44 CFR Requirement

#### 44 CFR Part 201.6(c)(4)(iii):

The plan maintenance process shall include a discussion on how the community will continue public participation in the plan maintenance process

Public participation is an integral component to the mitigation planning process and will continue to be essential as this Plan evolves over time. As described above, significant changes or amendments to the Plan shall require a public hearing prior to any adoption procedures.

Other efforts to involve the public in the maintenance, evaluation and revision process will be made as necessary. These efforts may include:

- Advertising meetings of the Regional Hazard Mitigation Planning Committee in local newspapers, public bulletin boards and/or County office buildings
- Designating willing and voluntary citizens and private sector representatives as official members of the Regional Hazard Mitigation Planning Committee
- Utilizing local media to update the public on any maintenance and/or periodic review activities taking place
- Utilizing the Northern Piedmont participant county websites to advertise any maintenance and/or periodic review activities taking place, and
- Keeping copies of the Plan in public libraries.

## 10.3 EVALUATION OF MONITORING, EVALUATION AND UPDATE PROCESS

Over the past five years, the participating jurisdictions have been independently implementing, monitoring and evaluating their own mitigation action plans. Progress made in implementing actions has been documented in Section 9: Mitigation Action Plan where each action contains a narrative about the implementation status of the action as of 2025. That said, the jurisdiction did waiver slightly from the monitoring and evaluation process defined in the original version of the plan, but still made significant process in implementing their mitigation action plans. During the 2025 update of this plan, the Regional Hazard Mitigation Planning Committee determined that the procedures for the upcoming five-year monitoring and evaluation process will remain as defined above and will be re-evaluated during the next plan update process.

The five-year comprehensive update process began as early as 2024 when North Carolina Emergency Management made the decision to set aside HMGP funding to fund the update of the Northern Piedmont Regional Hazard Mitigation Plan. To facilitate this effort, NCEM assigned the plan update to their pre-qualified hazard mitigation planning consultants ESP Associates. Representatives from ESP Associates first reached out to county representatives in June 2024 to initiate the plan update process. More details about the plan update process are provided in Section 2, Planning Process. For the next update of this plan, NCEM's Hazard Mitigation Planning section will continue take the lead on organizing and initiating the 5-year update of the plan.