

## **APPENDIX D – CUMBERLAND COUNTY**

Locality Map

Status of Mitigation Actions

Building Permit Data

Land Use Cover Map

Future Land Use Map

Critical Facilities Map

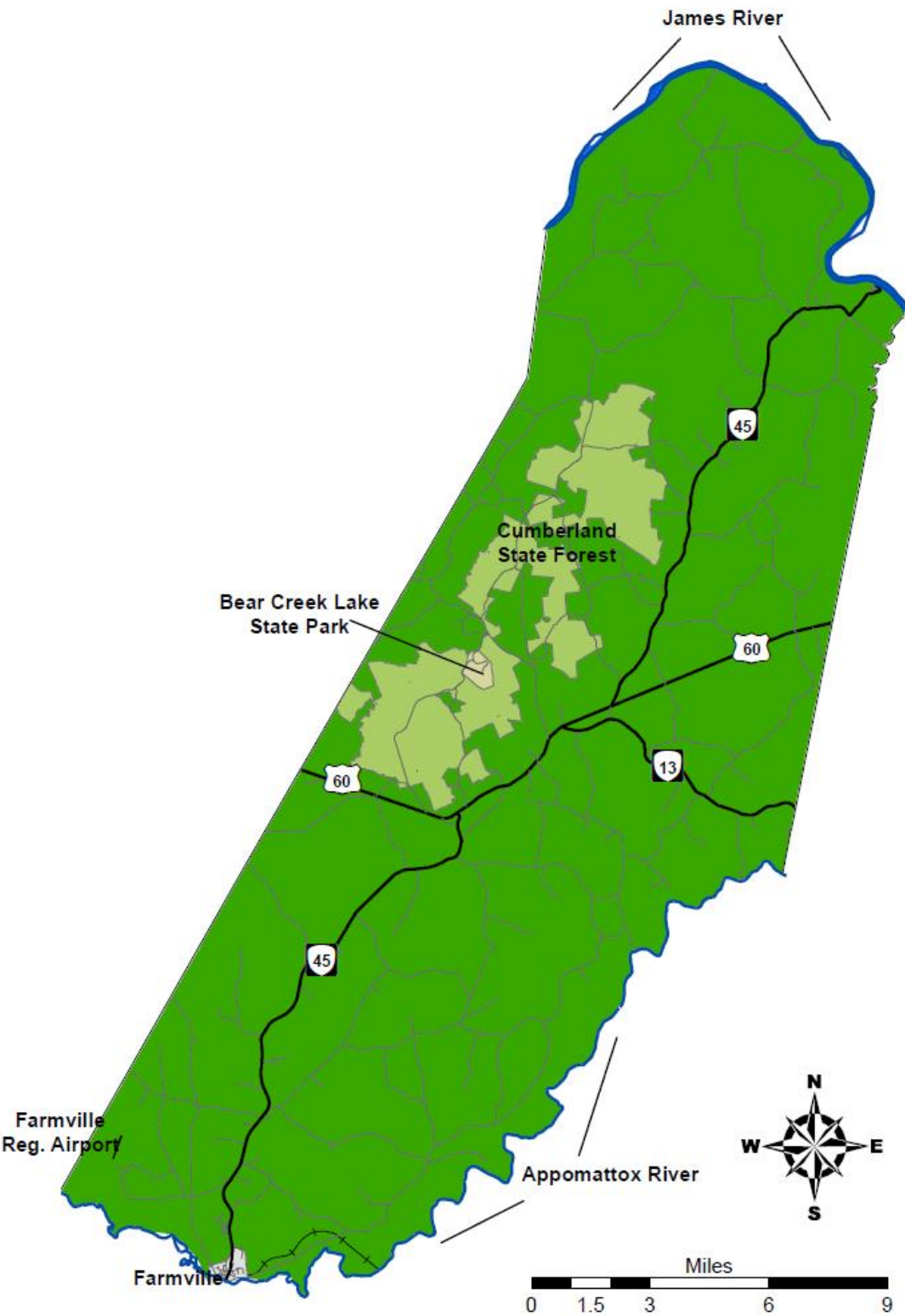
NFIP Survey Results

Flood Zone Maps

### **NOTES:**

- 1) For this update, the methodology for ranking hazards was changed. Localities were not actually tasked with scoring/ranking covered hazards directly. Table 6.17 in Section 6 of the Plan shows the risk ratings for the region based on quantitative and qualitative analysis as well as anecdotal input from the Project Management Team, but is not based on a locality ranking system. As a result, the "Hazard Ranking" table that appeared in the local appendices for the previous Plan updates has been supplanted by the "Hazard Risk Ratings" table (Table 6.17) in Section 6.
- 2) For the status of mitigation actions, any actions that were removed per previous Plan updates are not shown in this update. This section was also amended to list actions completed per prior Plan updates separately.

Cumberland County



Map created by CRC – May 2010

## Detailed Information/Status of Local Mitigation Actions

(includes detailed data for each action, as requested by FEMA)

Cumberland County Mitigation Action 1	Digitize tax, building footprint, and floodplain for use with GIS.	
Category:	Prevention	
Hazard(s) Addressed:	Multiple	
Priority (High, Moderate, Low):	Moderate/High	
Estimated Cost:	\$50,000 - \$75,000, based on estimates from other localities	
Potential Funding Sources:	BRIC, HMGP (with local matching funds)	
Lead Agency/Department Responsible:	County Planning Department	
Implementation Schedule:	Dependant on availability of funding	
Status: Ongoing, partially complete		

Cumberland County Mitigation Action 2	Review all permits for new development and substantial improvements for compliance with the County’s ordinances as they relate to flood areas.	
Category:	Prevention/Property Protection	
Hazard(s) Addressed:	Flood	
Priority (High, Moderate, Low):	Moderate	
Estimated Cost:	None	
Potential Funding Sources:	N/A	
Lead Agency/Department Responsible:	County Planning Department	
Implementation Schedule:	Short/near term	
Status: Ongoing – enforced by County Ordinances		

### Mitigation actions completed per previous Plan updates:

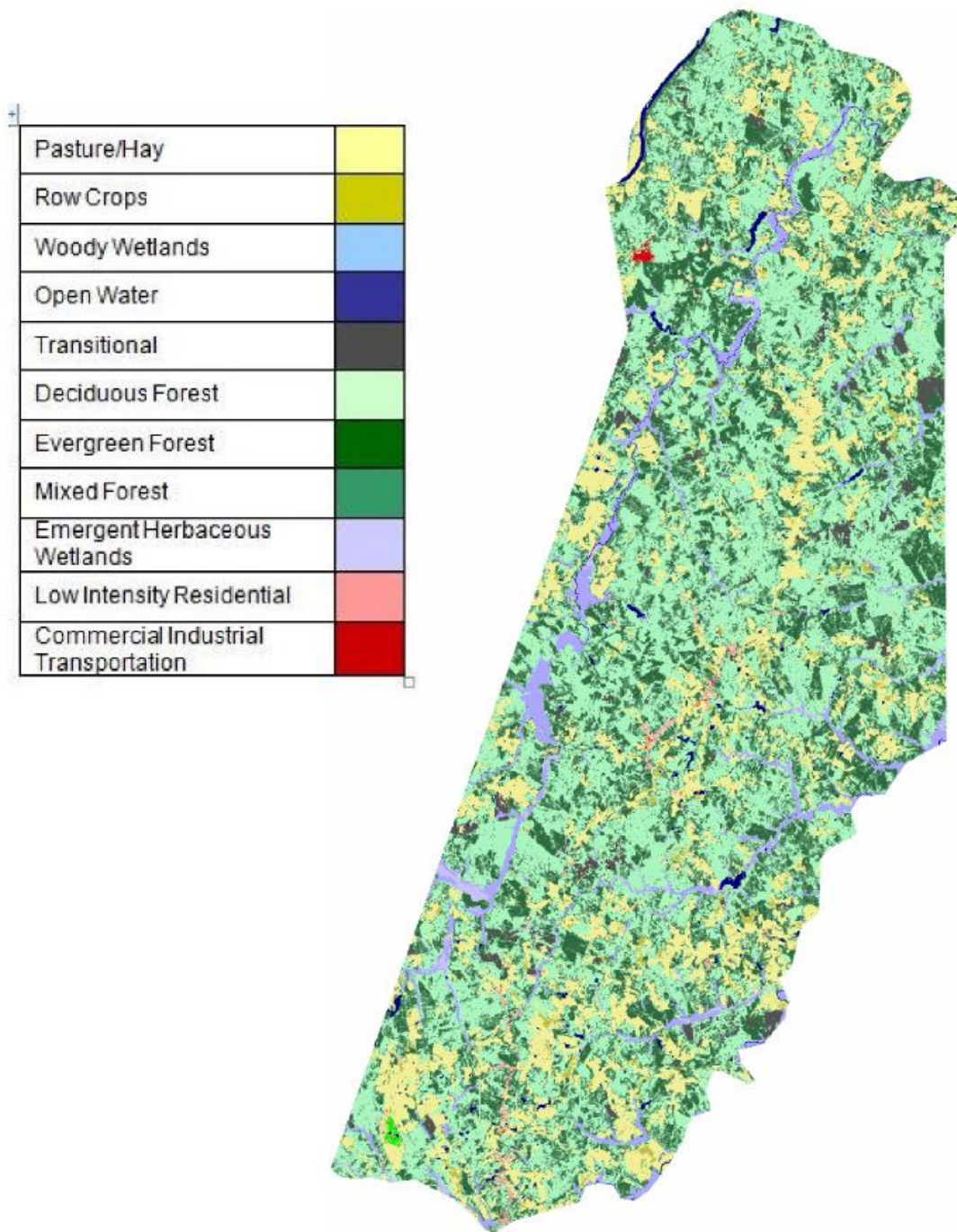
- Upgrade shelter, emergency generators – Completed per the 2012 Plan update.

## Building Permit Data – Cumberland County

Year	Residential Permits Issued	Commercial Permits Issued
1991	65	4
1992	113	4
1993	86	12
1994	114	8
1995	111	12
1996	N/A	N/A
1997	N/A	N/A
1998	N/A	N/A
1999	N/A	N/A
2000	N/A	N/A
2001	N/A	N/A
2002	120	4
2003	103	7
2004	86	22
2005	92	13
2006	105	13
2007	80	26
2008	66	24
2009	43	27
2010	N/A	N/A
2011	207	25
2012	189	25
2013	229	34
2014	226	21
2015	212	34
2016	225	37
2017	233	47
2018	282	35
2019	373	29
2020	526	18
2021	545	28

Cumberland County uses its Zoning Ordinance – Sections 74.911 through 74.917 – to regulate the issuance of building permits in flood hazards areas. These sections reference the Virginia Uniform Statewide Building Code and have requirements including elevation, type of materials used, placement of plumbing and ventilation work, elevation of lowest floor, and placement of water/sewer facilities. Cumberland County's Building Official/Fire Marshall, Robert Felts, has advised that he is not aware of any building permits issued by Cumberland County for construction in flood prone areas since 2013, indicating no increase in development for these areas.

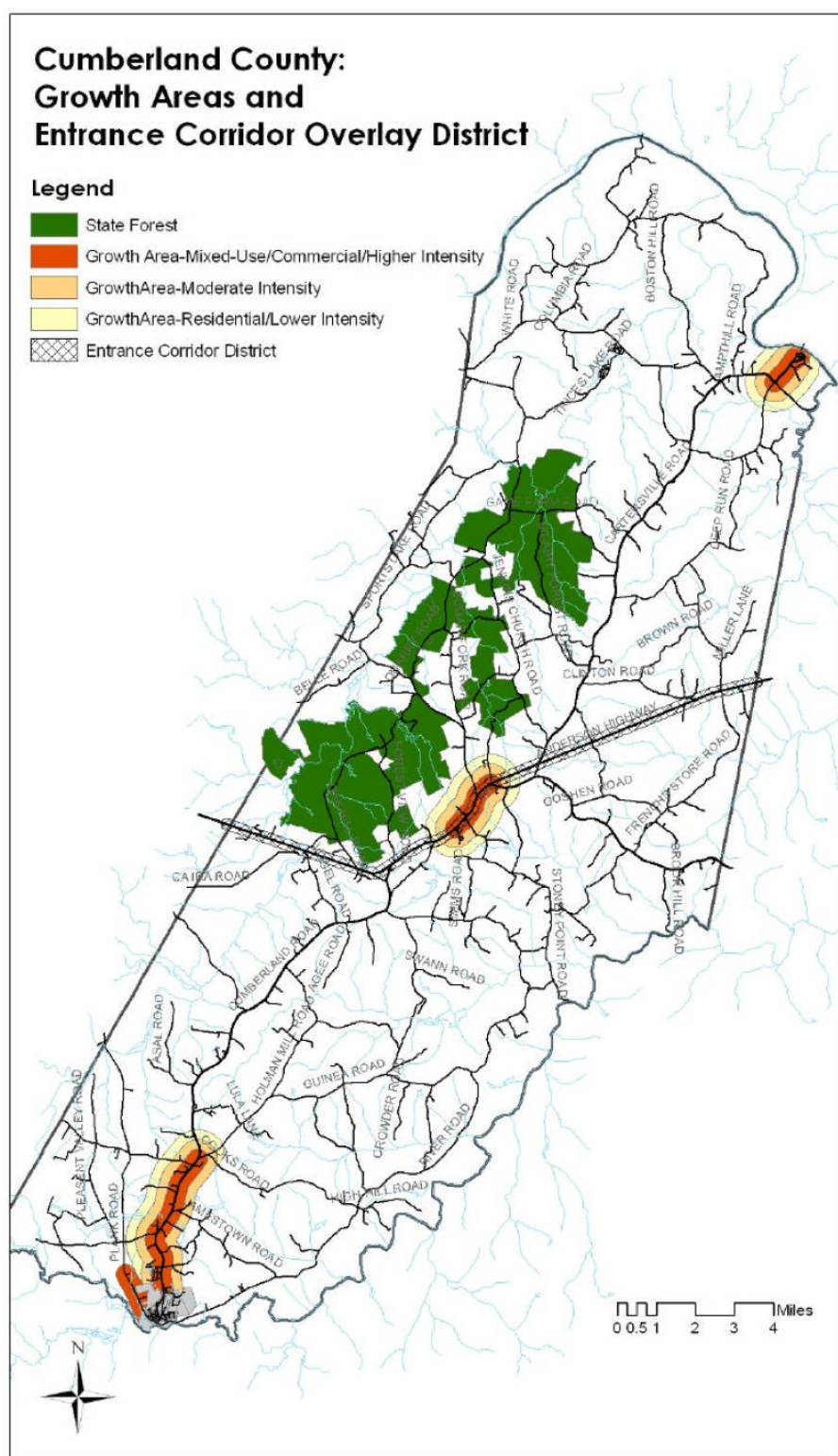
## Cumberland County Land Use Cover Map



Created by CRC - August 2010  
Source: National Land Cover Dataset, UVA Geostat Center

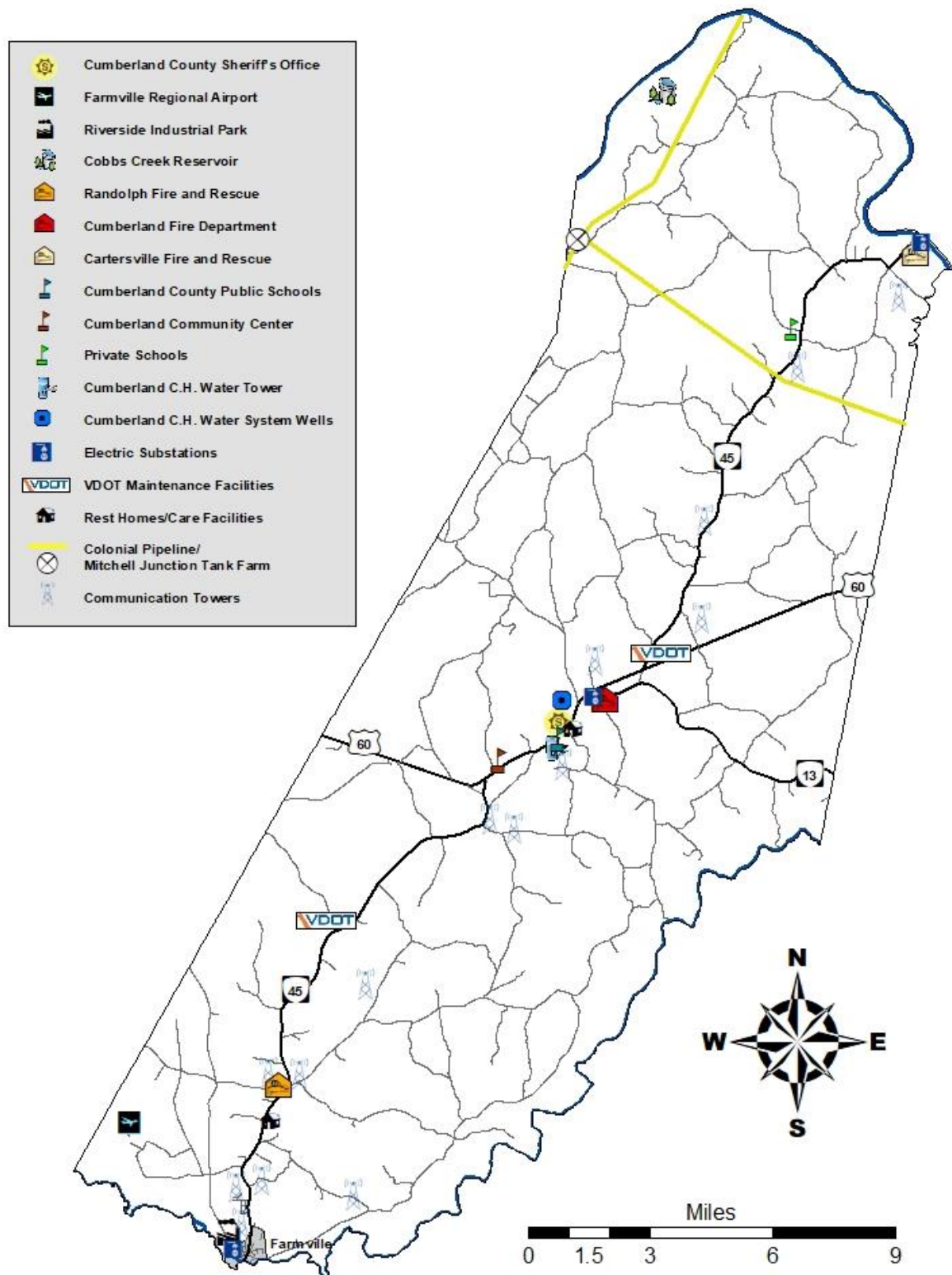


# Cumberland County Future Land Use Map



**Source – Cumberland County Planning and Zoning**

## Cumberland County Critical Facilities Map



Map created by CRC – February 2011 (updated September 2022)  
Source: Cumberland County

## NFIP Survey Results

Cumberland County did not participate in the previous Plan update; therefore, they are completing this survey for the first time.

### NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

MUNICIPALITY: CUMBERLAND COUNTY

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	YES	In April of 2022, FEMA provided a preliminary FIS report and map to the County in order to solicit non-technical feedback. The County responded and we are currently awaiting the next round of reporting. Copies of what we have received are available.
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	No	The last version was adopted in 2009.
c. Does the municipality support request for map updates?	If yes, state how.	Yes	We actively participate in providing feedback when the updates occur.
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	No	Any feedback provided by the locality is typically non-technical in nature.
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	No	
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	Yes	Planning and Zoning Office

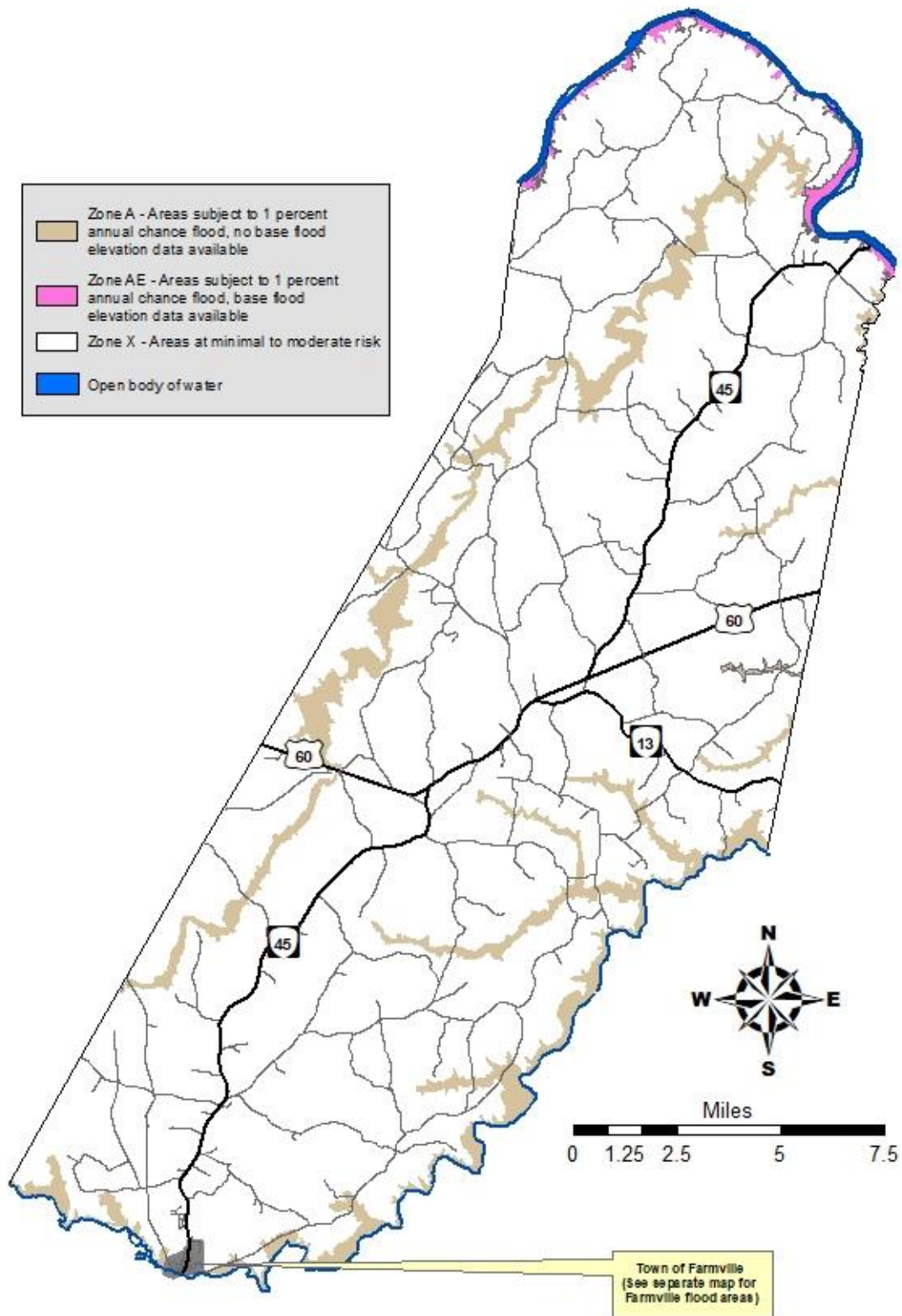


2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	Yes	
(1) Does the municipality issue permits for all proposed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

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

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

## Cumberland County Flood Zone Map



Map created by CRC – July 2022 (source: FEMA)



























