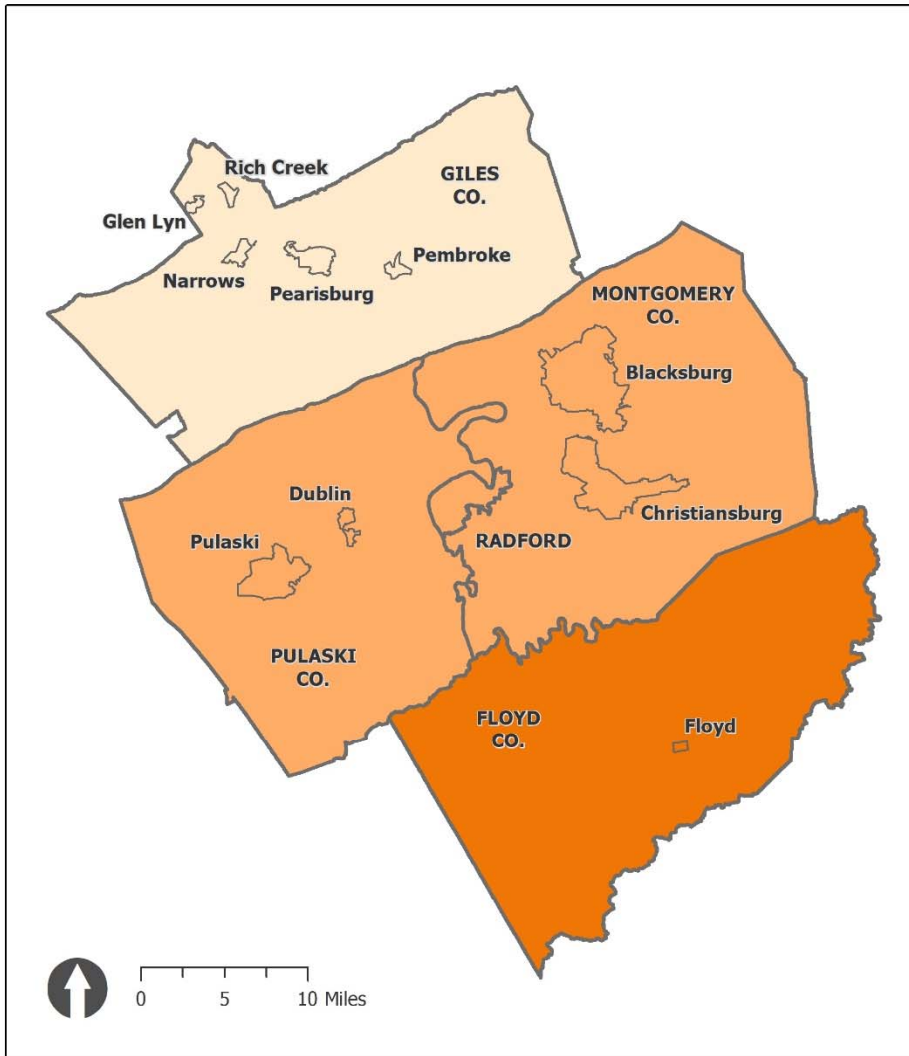




## Appendix 6. Maps

Map 1. Average Annual Number of Weeks of Moderate or Worse Drought



### Average Annual Number of Weeks of Moderate Drought or Worse

New River Valley

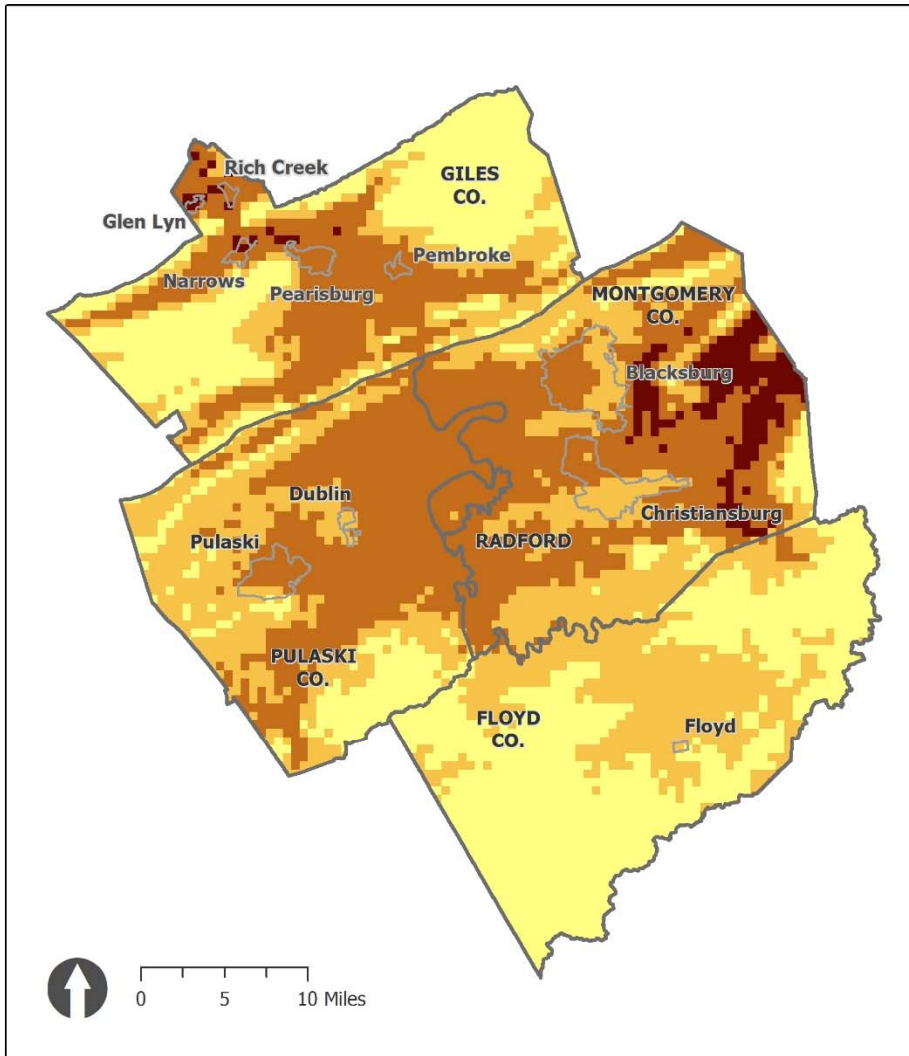
Moderate Drought or Worse (2001-2015)

- 7.7
- 7.8 - 10.5
- 10.6 - 11.1

Calculated at a county level. Drought condition determined by a majority of a county's area. Jenks natural breaks distribution.

Created by NRVRC, 2017. Sources: National Drought Mitigation Center; National Oceanic and Atmospheric Administration; U.S. Census Bureau; U.S. Department of Agriculture; Virginia Geographic Information Network.

Map 2. Average Annual Days of 90 Degrees or More



## Maximum Temperature 90°F or Above (1986-2015)

New River Valley

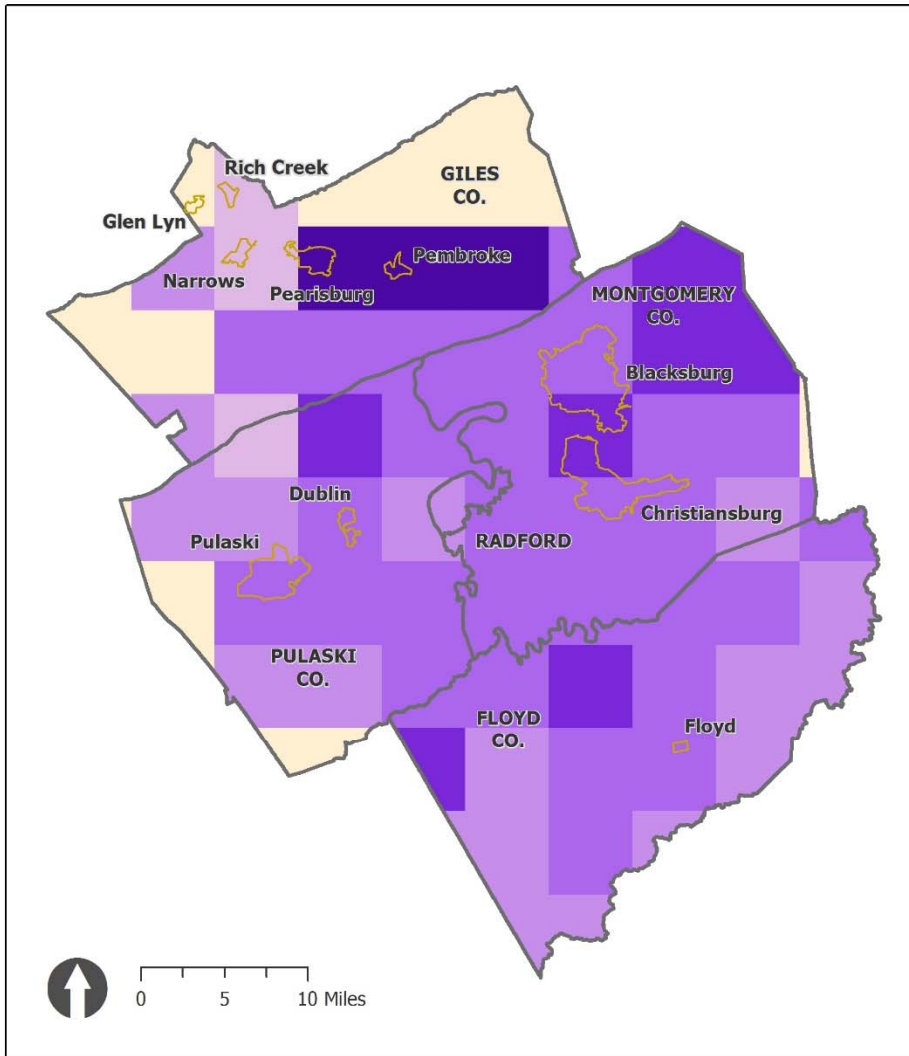
Average Annual  
Number of Days



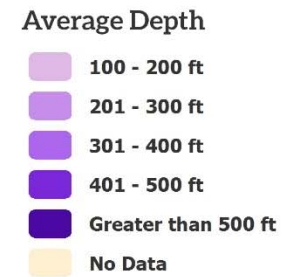
Temperature figures calculated using a logarithmic interpolation based on elevation. Weather stations with less than five years of records were excluded. Jenks natural breaks distribution.

Created by NRVRC, 2017. Sources: National Oceanic and Atmospheric Administration; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

Map 3. NRV Mean Water Well Depths

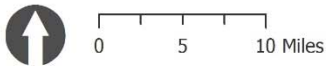


### Mean Water Well Depth New River Valley

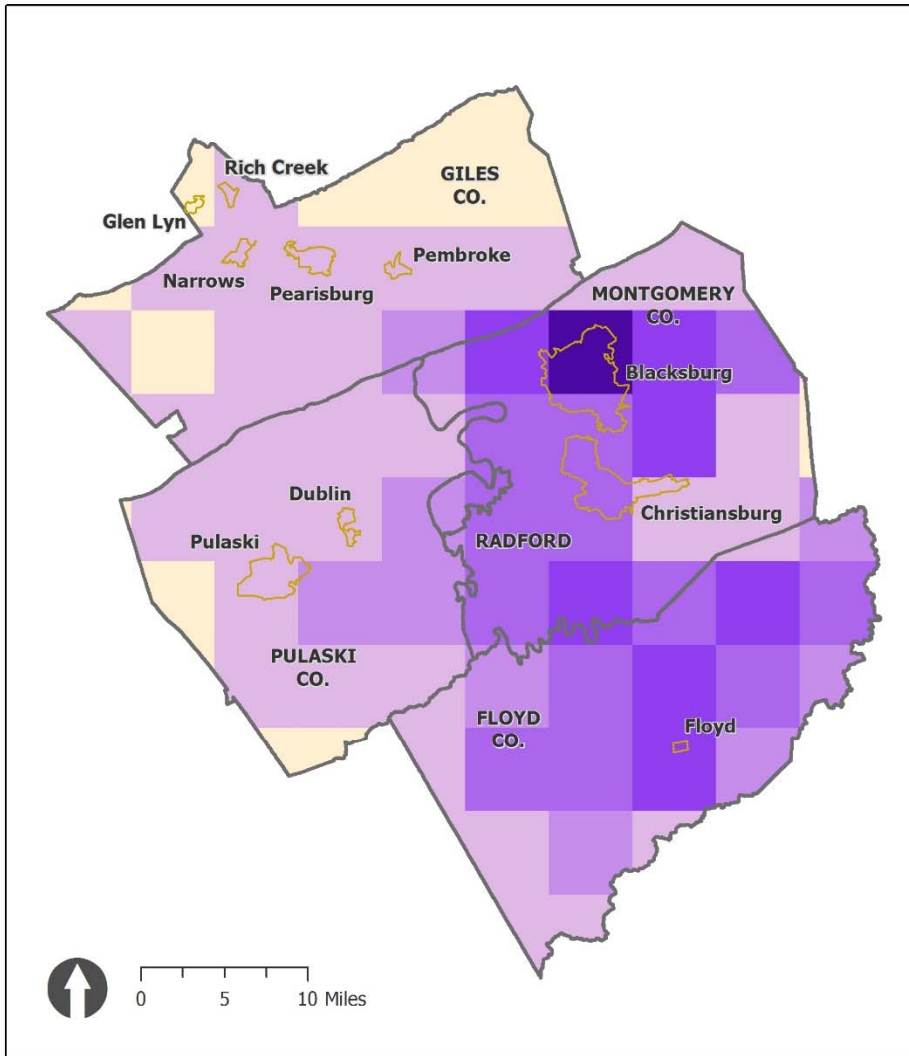


Reflects wells permitted between September 2003 and December 2016. Wells with a null depth value or unreliable location data were excluded. 1,420 wells included.

Created by NRVRC, 2017. Sources: Google Maps; New River Health Department; U.S. Census Bureau; Virginia Geographic Information Network.

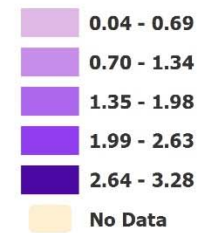


Map 4. NRV Well Density



**Well Density**  
New River Valley

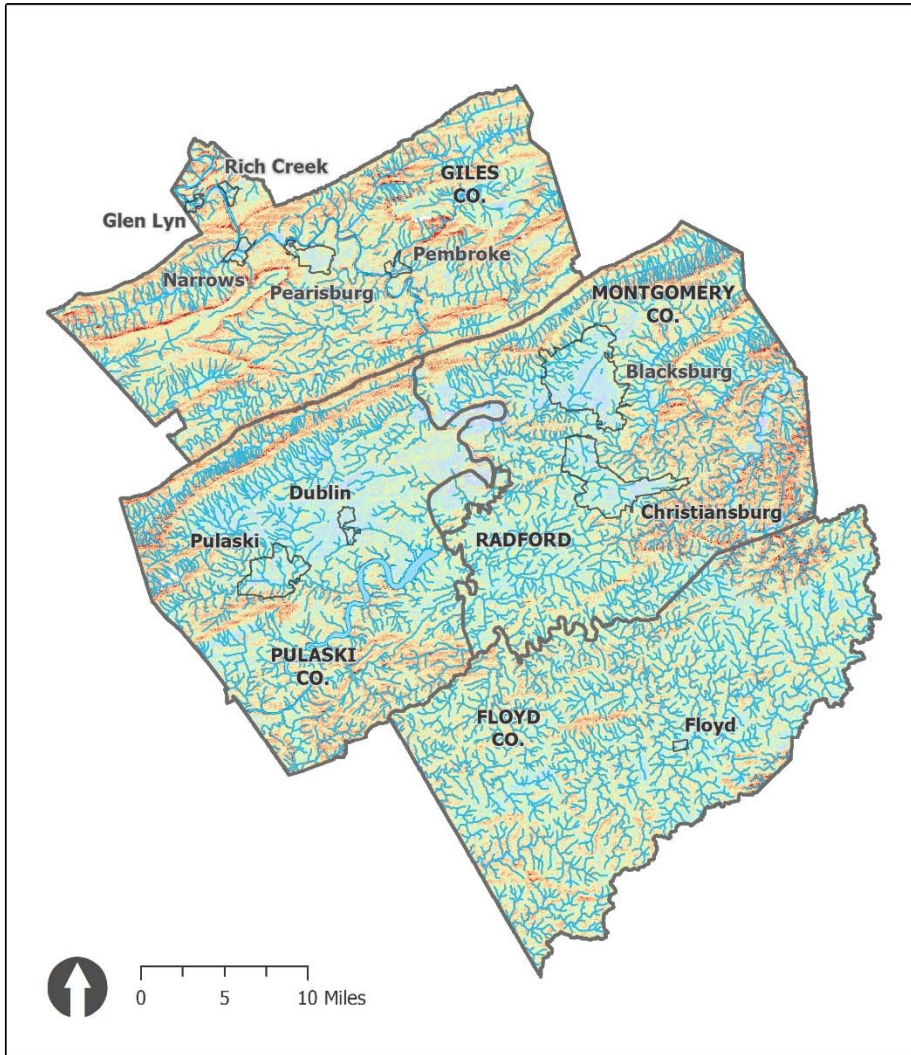
**Wells per Square Mile**



Reflects new or repaired wells permitted between September 2003 and December 2016. Wells with unreliable location data were excluded. 1,455 wells included.

Created by NRVRC, 2017. Sources: Google Maps; New River Health Department; U.S. Census Bureau; Virginia Geographic Information Network.

Map 5. Landslide Hazard Rating



### Landslide Hazard Rating

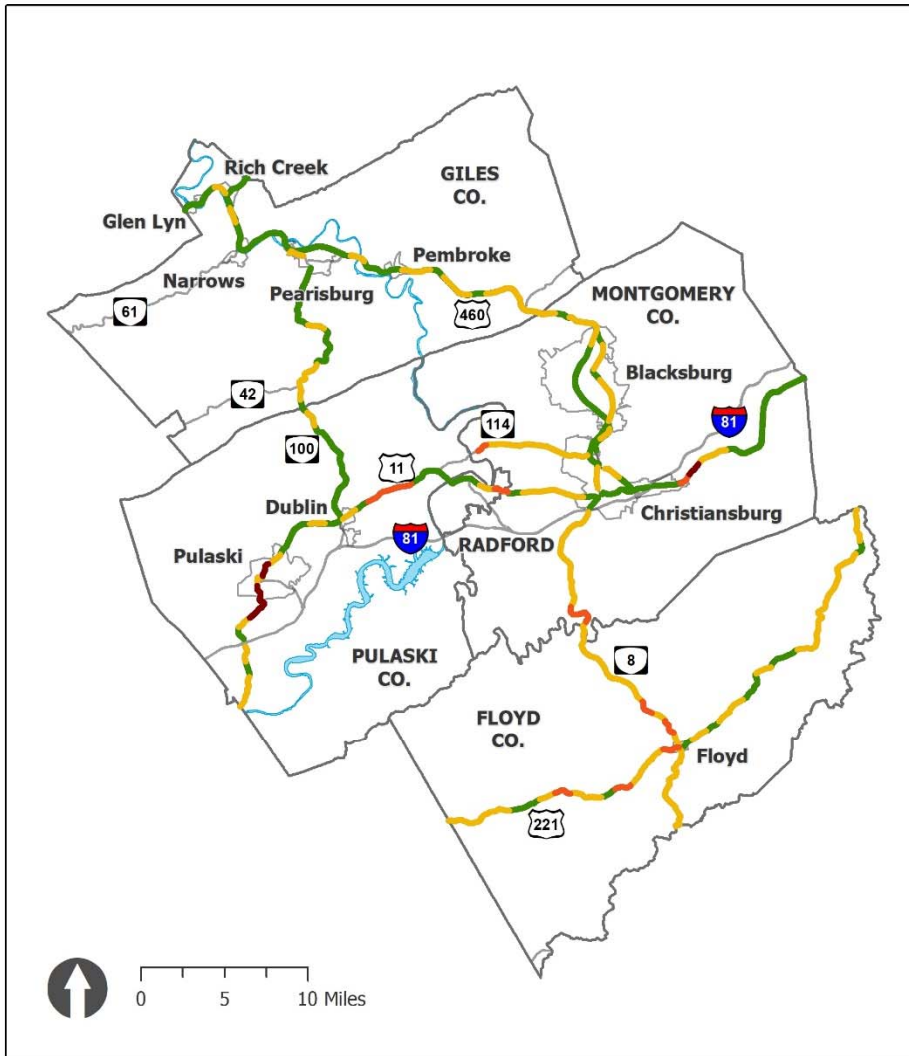
New River Valley

#### Storm Generated Stability Rating

- 0.19 - 1 (Greatest Risk)
- 1.01 - 2
- 2.01 - 5
- 5.01 - 10
- 10.01 - 50
- 50.01 - 100
- 100.01 - 500
- +500 (Least Risk)
- Hydrology

Created by NRVRC, 2017. Sources: Radford University  
 FEMA Research Project Group; U.S. Census Bureau;  
 U.S. Geological Survey; Virginia Geographic Information  
 Network.

Map 6. NRV Rockfall Hazard Rating Per Mile



## Rockfall Hazard Rating

New River Valley

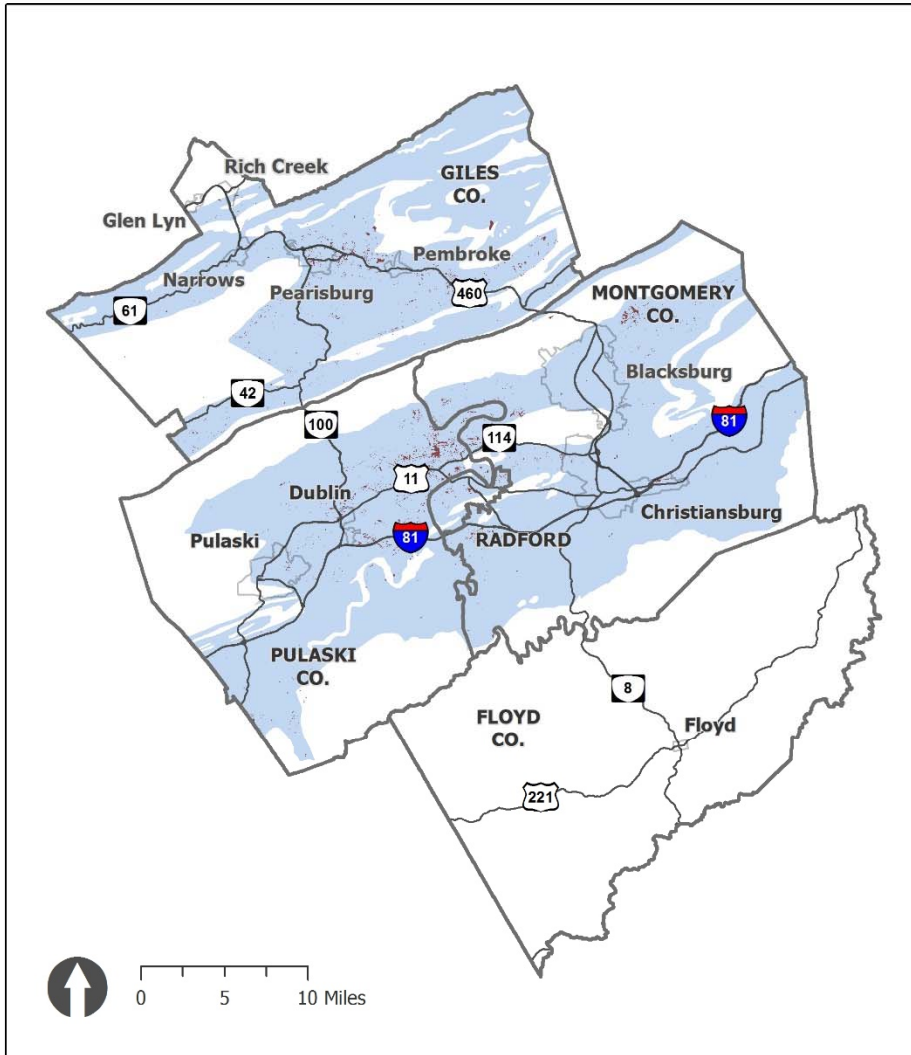
### Rockfall Hazard Rating per Mile

- Low Risk
- Low-Moderate Risk
- Moderate-High Risk
- High Risk
- Data Not Available

Derived from 2011 Radford University data. Rockfall points joined to road segments within 50 feet. Equal interval distribution.

Created by NRVRC, 2017. Sources: Radford University; U.S. Census Bureau; Virginia Geographic Information Network.

Map 7. NRV Karst Geology



## Karst Geology and Sinkholes

New River Valley

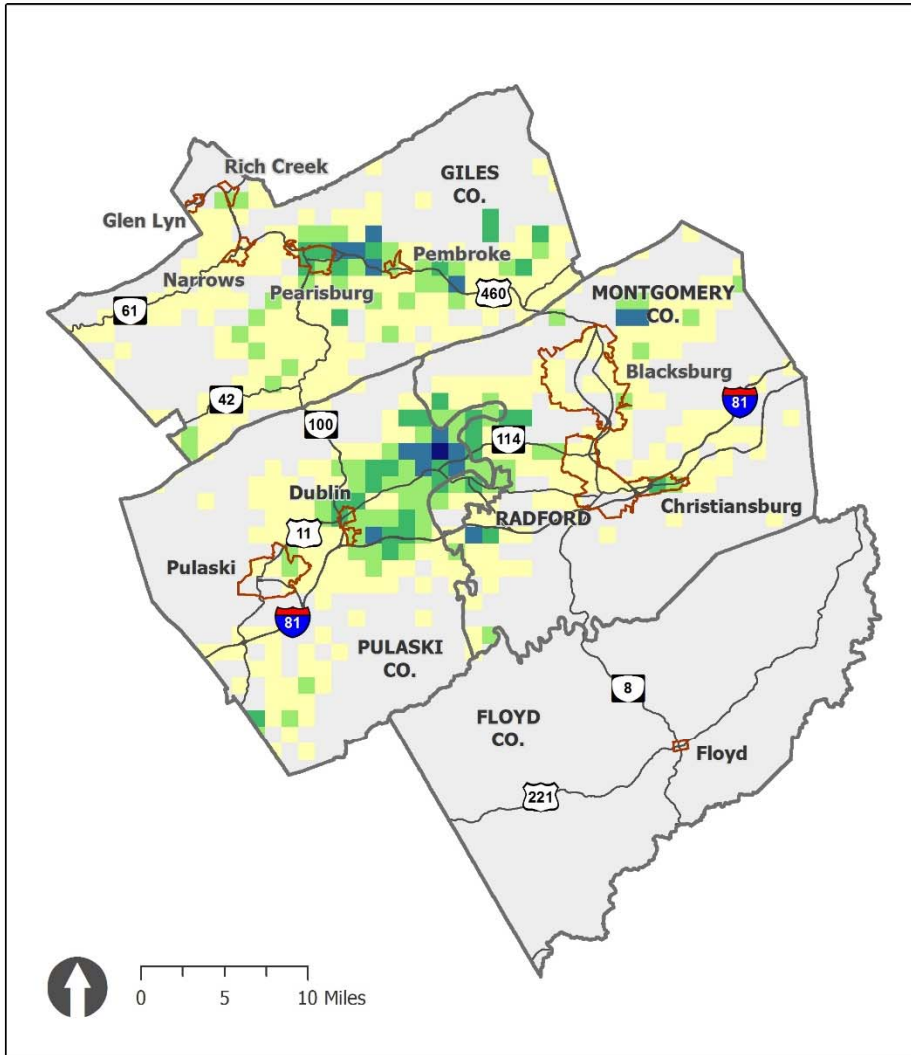
### Karst Forming Bedrock

- Carbonate Karst
- Sinkholes

Created by NRVRC, 2017. Sources: U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.



Map 8. Karst Density per Square Feet



### Sinkhole Density

New River Valley

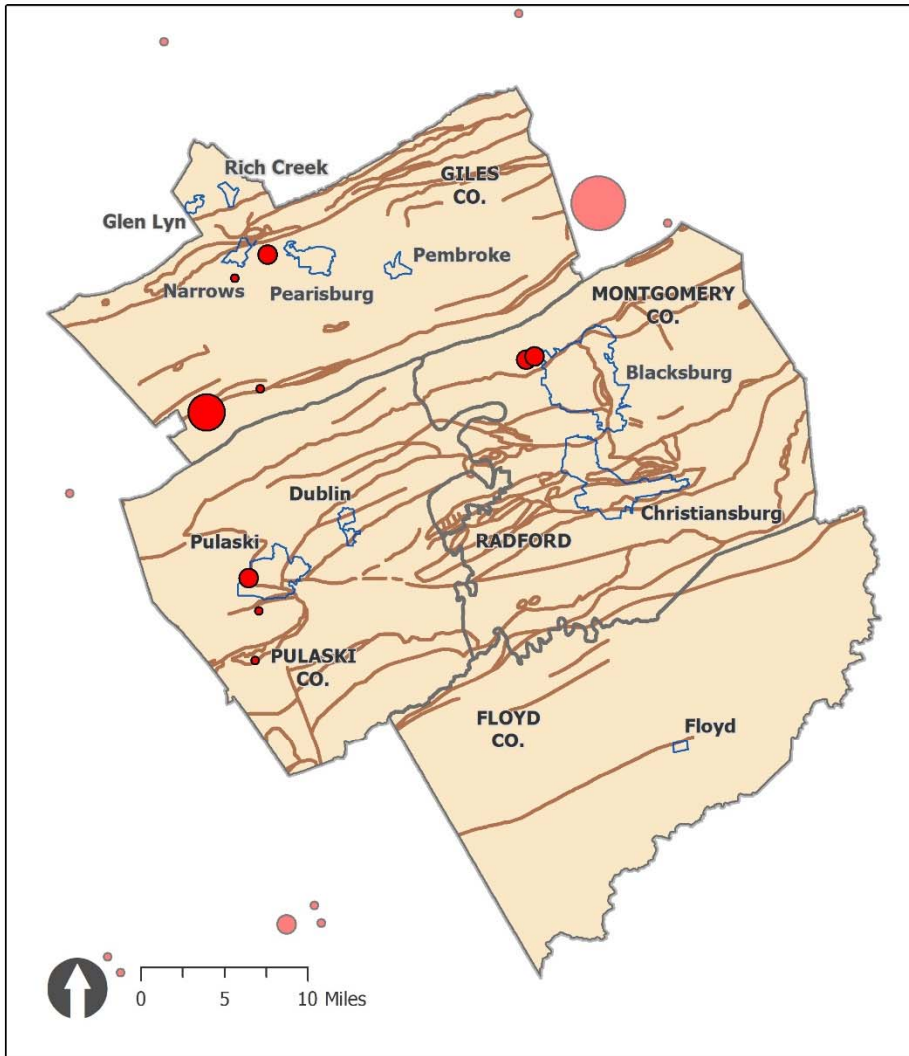
#### Square Feet of Sinkholes per Mile

- 900 - 300,000
- 400,000 - 900,000
- 1,000,000 - 2,000,000
- 3,000,000 - 4,000,000
- 5,000,000 - 9,000,000
- No Known Sinkholes

Jenks natural breaks distribution.

Created by NRVRC, 2017. Sources: U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

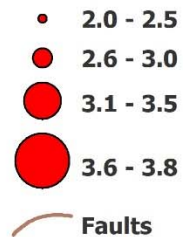
## Map 9. Earthquake History



### Earthquakes (1970-2015)

New River Valley

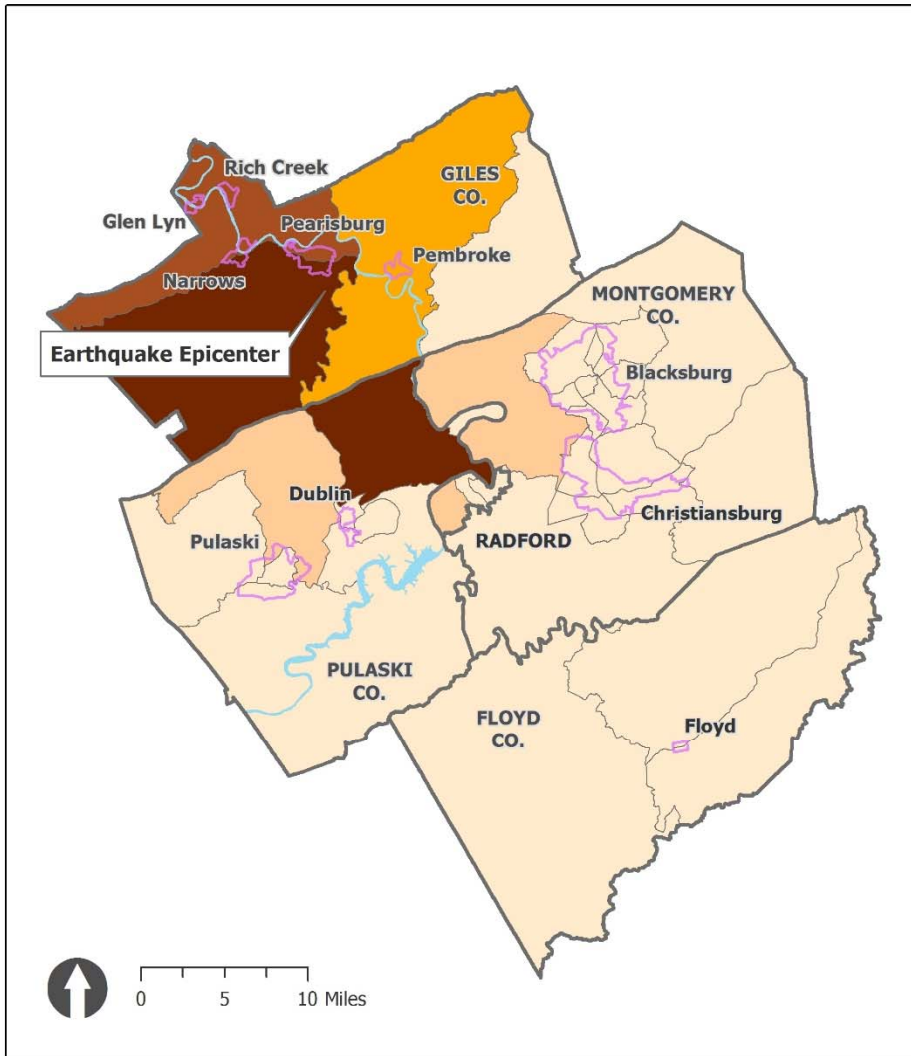
#### Magnitude



Excludes earthquakes with magnitude of less than 2.

Created by NRVC, 2017. Sources: U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

Map 10. NRV 1897 Earthquake Loss Estimates



### Major Giles County Earthquake New River Valley

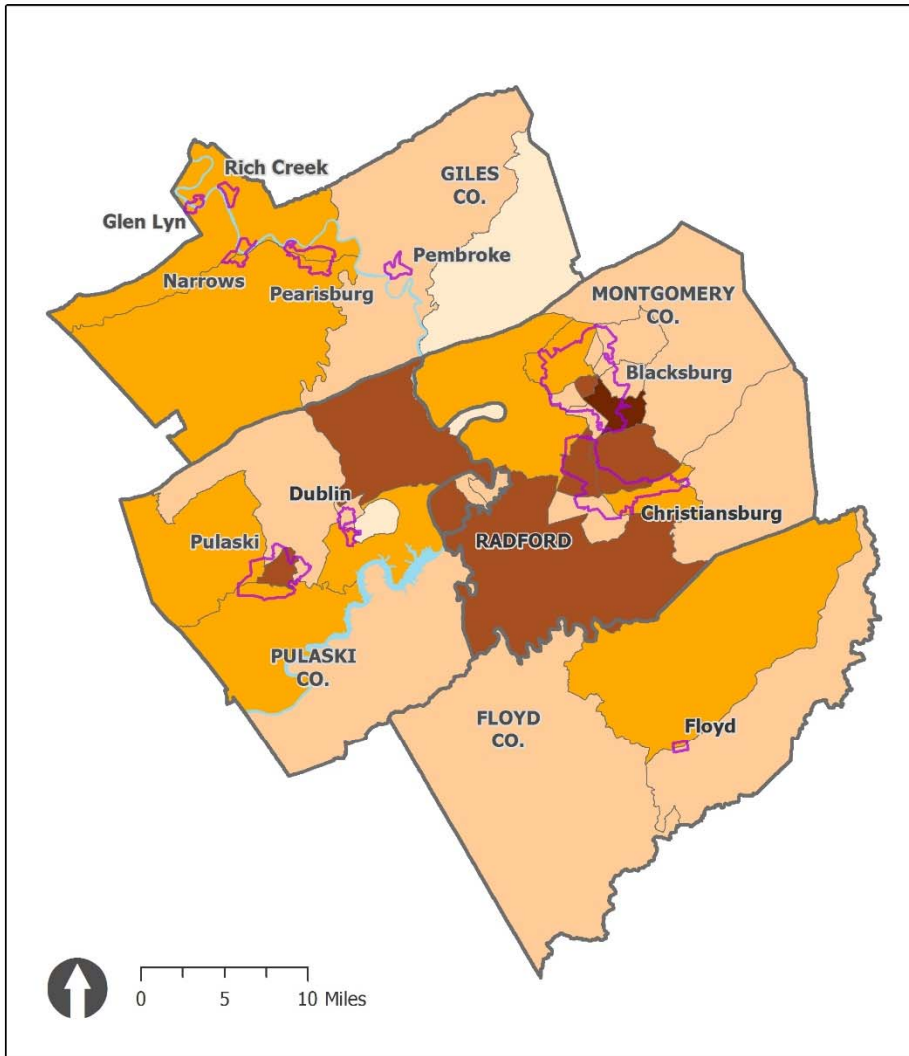
**Total Losses in 2010 Dollars**

- Less than \$50 million
- \$50 million - \$100 million
- \$100 million - \$150 million
- \$150 million - \$200 million
- More than \$200 million

Reflects total estimated direct losses following a geologic event similar to the historic 5.8 magnitude earthquake in Giles County, May 31, 1897. Modeling and loss estimates were calculated using HAZUS MH 3.1.

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; Virginia Geographic Information Network.

Map 11. NRV Magnitude 7.0 Earthquake Estimate Annualized Loss



## Magnitude 7.0 Earthquake Estimated Annualized Loss

New River Valley

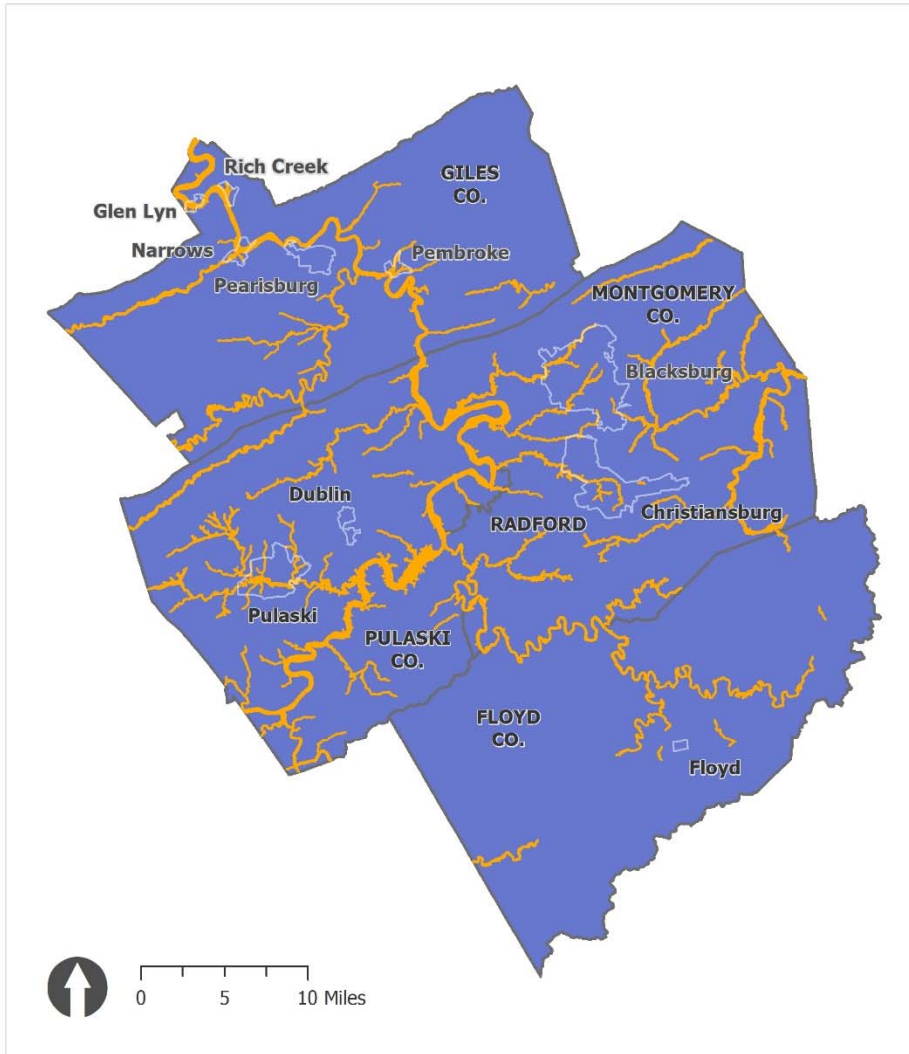
### Annualized Loss

-  Less than \$10,000
-  \$10,000 - \$20,000
-  \$20,000 - \$30,000
-  \$30,000 - \$40,000
-  Greater than \$40,000

Reflects total estimated annualized loss following a probabilistic seismic event. Modeling and loss estimates were calculated using HAZUS MH 3.1.

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; Virginia Geographic Information Network.

## Map 12. NRV Floodplains



### Flood Zones

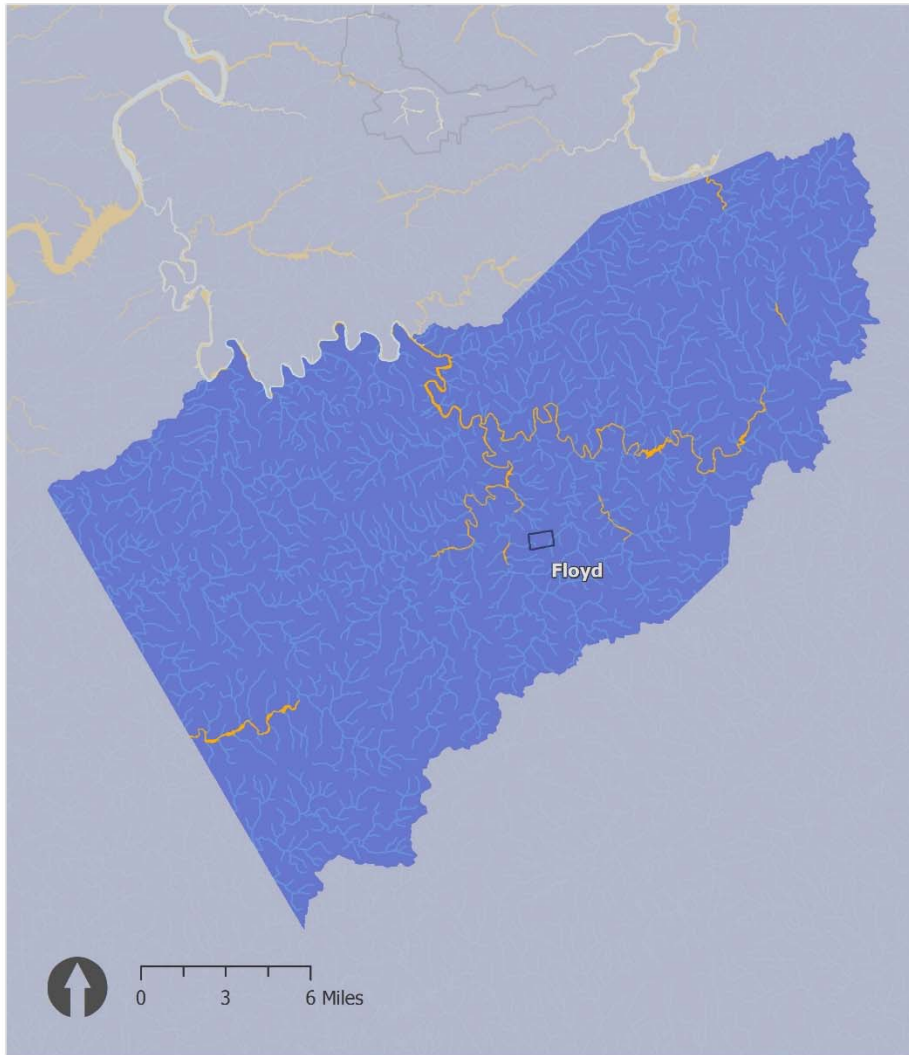
New River Valley

#### Federal Flood Zones

 500-Year or Less Floodplain

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; Virginia Geographic Information Network.

## Map 13. Floyd County Floodplains

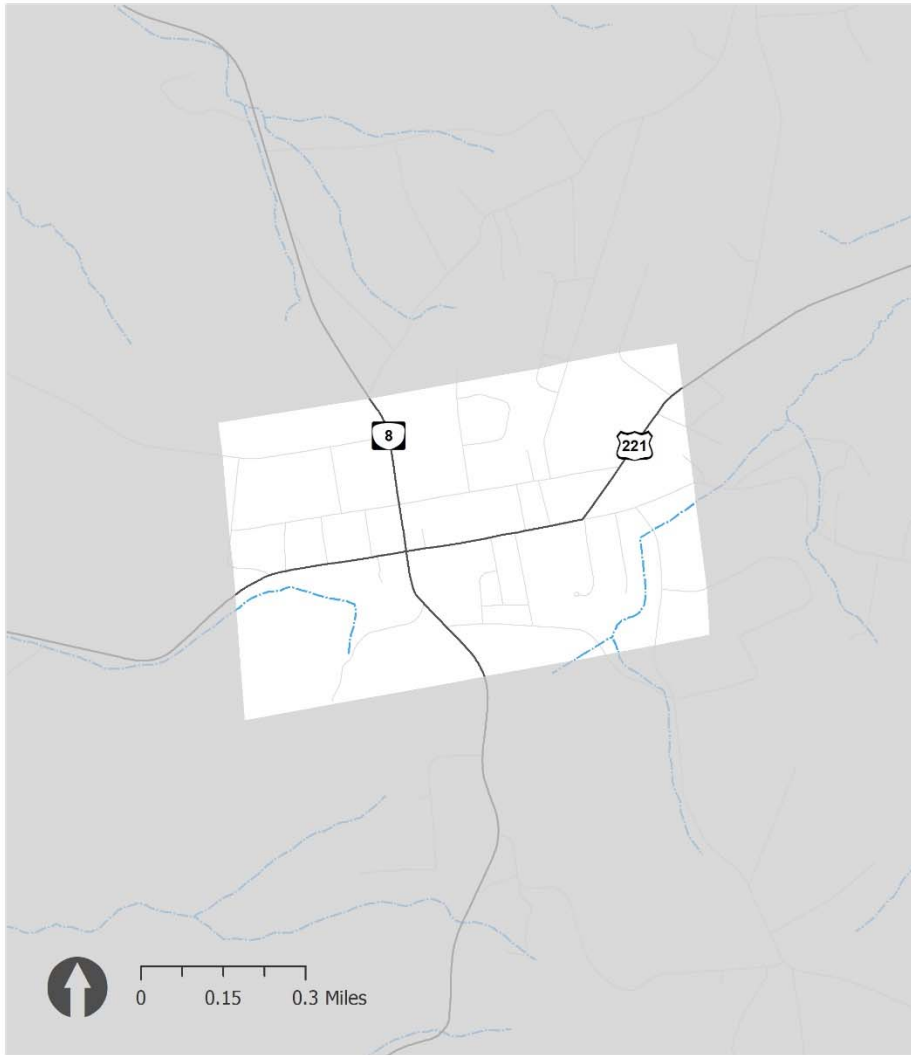


### Flood Zones Floyd County New River Valley

-  Floodway
-  100-Year Flood Zone
-  500-Year Flood Zone
-  Hydrology

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

## Map 14. Town of Floyd Floodplains



### Flood Zones Town of Floyd New River Valley

-  Buildings in Flood Zone
-  Floodway
-  100-Year Flood Zone
-  500-Year Flood Zone
-  Hydrology

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

## Map 15. Giles County Floodplains



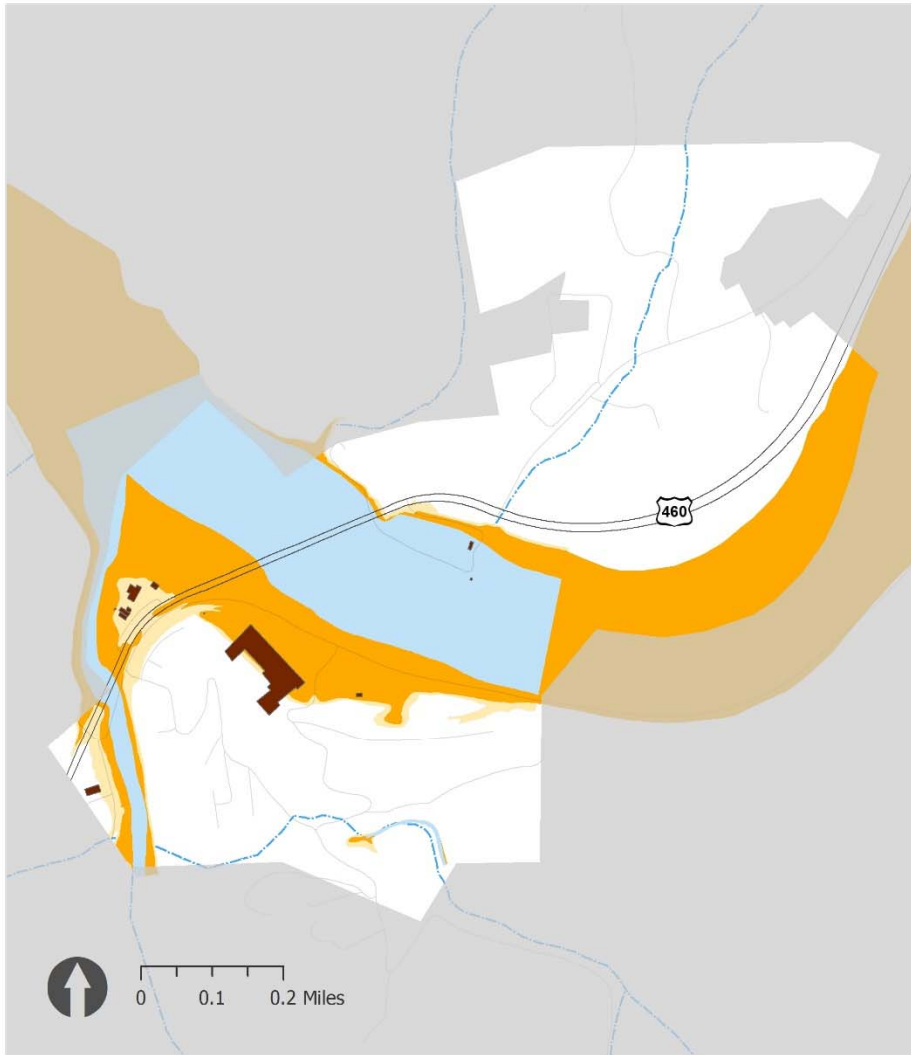
### Flood Zones Giles County New River Valley

-  Floodway
-  100-Year Flood Zone
-  500-Year Flood Zone
-  Hydrology

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.



Map 16. Town of Glen Lyn Floodplains

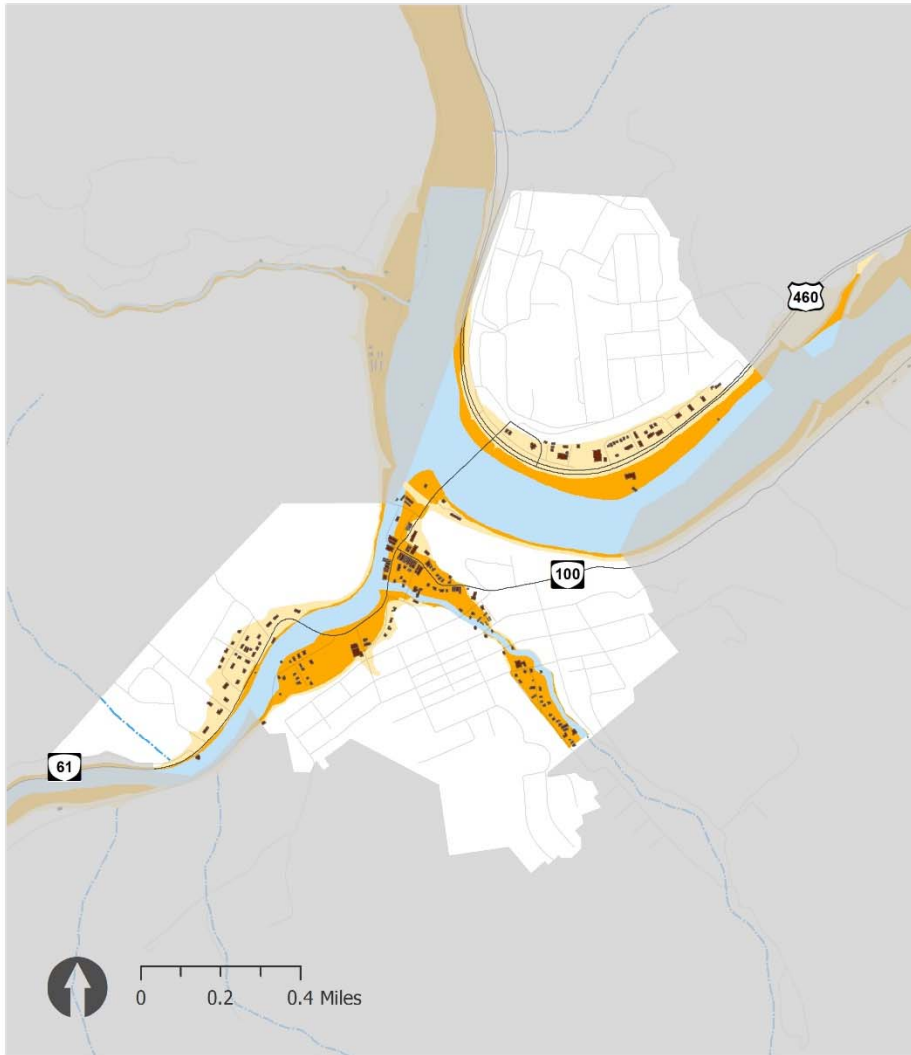


**Flood Zones**  
**Town of Glen Lyn**  
New River Valley

-  Buildings in Flood Zone
-  Floodway
-  100-Year Flood Zone
-  500-Year Flood Zone
-  Hydrology

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

Map 17. Town of Narrows Floodplains

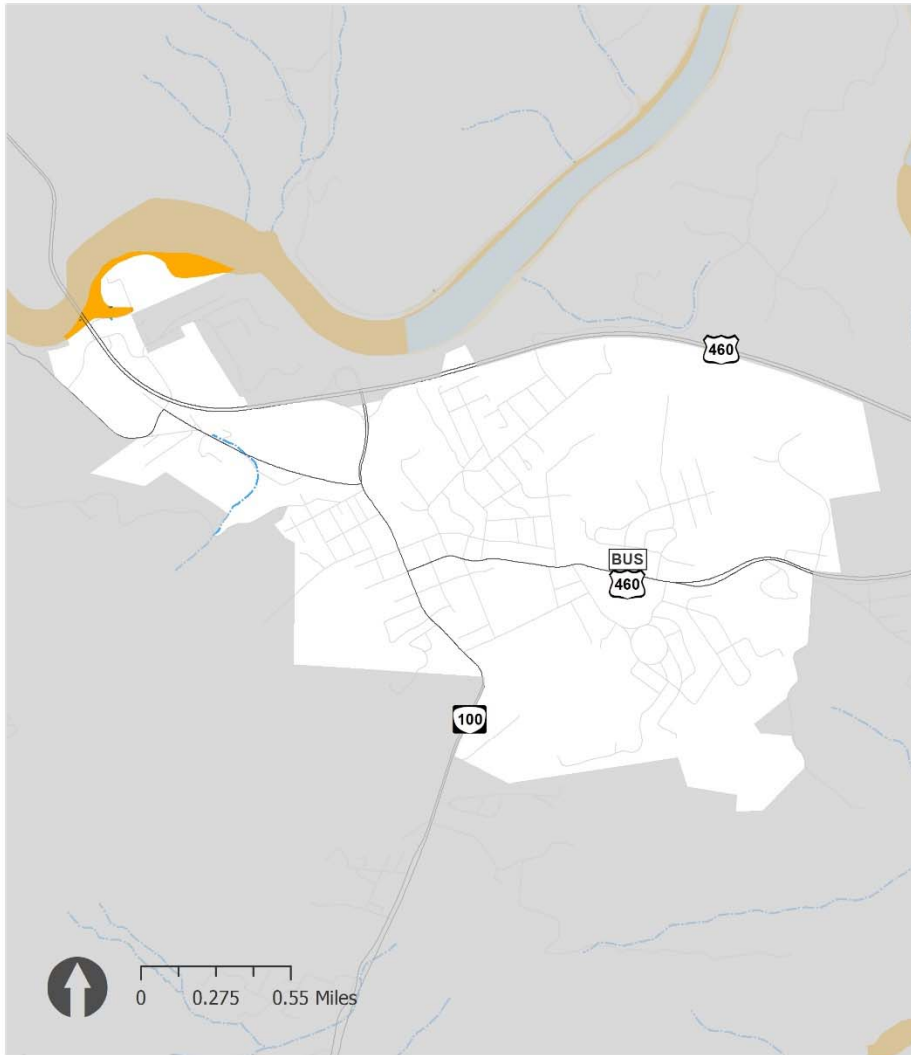


**Flood Zones**  
**Town of Narrows**  
New River Valley

-  Buildings in Flood Zone
-  Floodway
-  100-Year Flood Zone
-  500-Year Flood Zone
-  Hydrology

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

## Map 18. Town of Pearisburg Floodplains

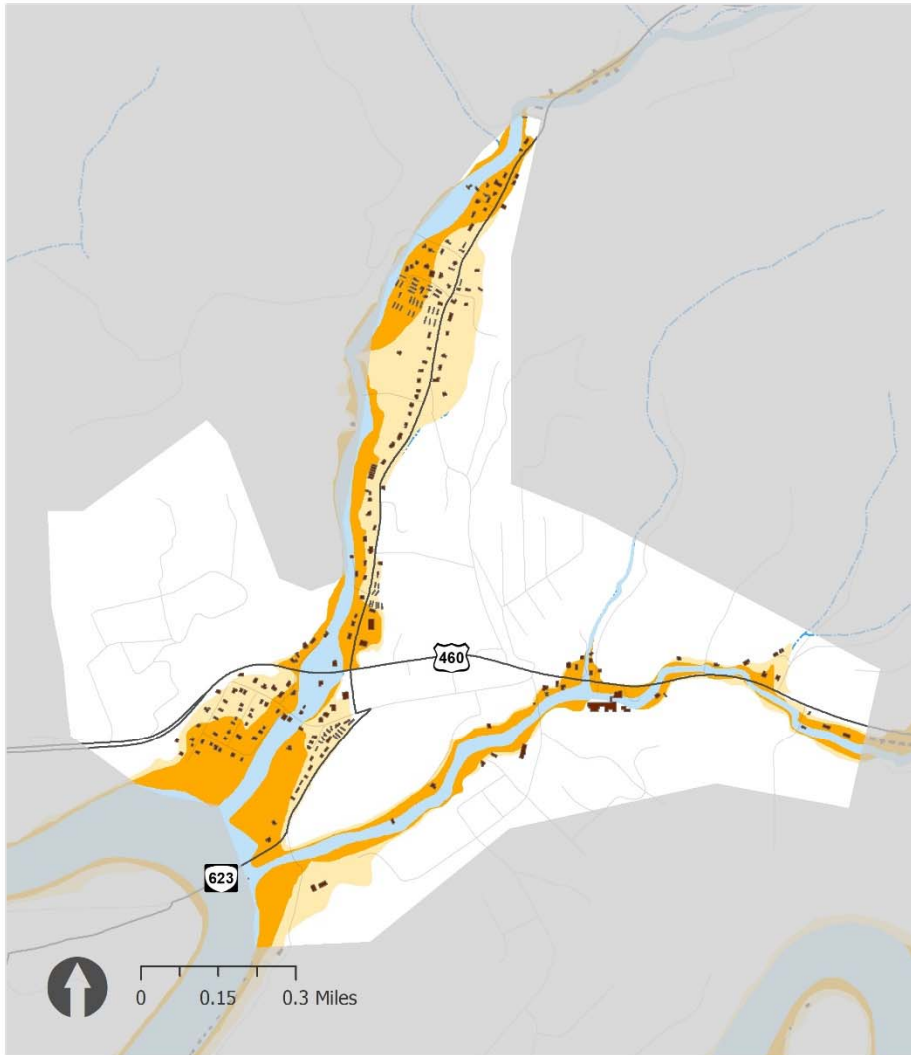


### Flood Zones Town of Pearisburg New River Valley

-  Buildings in Flood Zone
-  Floodway
-  100-Year Flood Zone
-  500-Year Flood Zone
-  Hydrology

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

Map 19. Town of Pembroke Floodplains

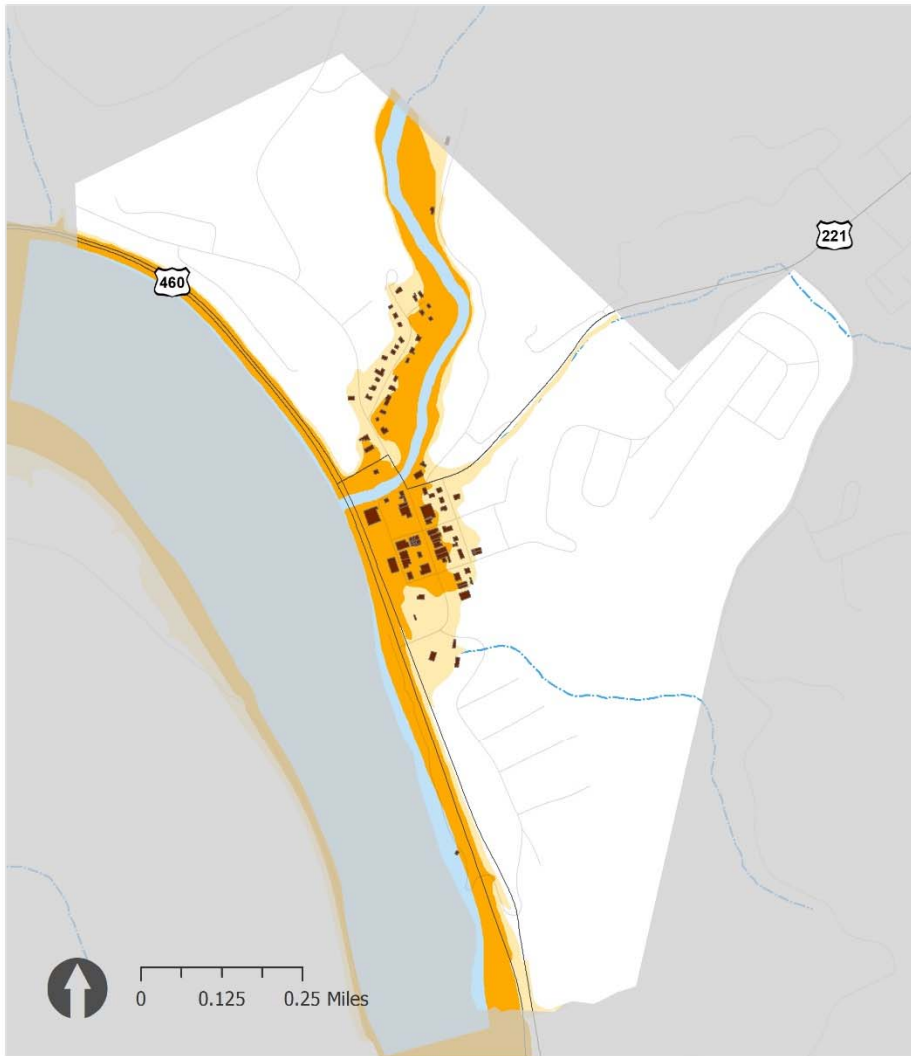


**Flood Zones**  
**Town of Pembroke**  
New River Valley

- Buildings in Flood Zone
- Floodway
- 100-Year Flood Zone
- 500-Year Flood Zone
- Hydrology

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

Map 20. Town of Rich Creek Floodplains

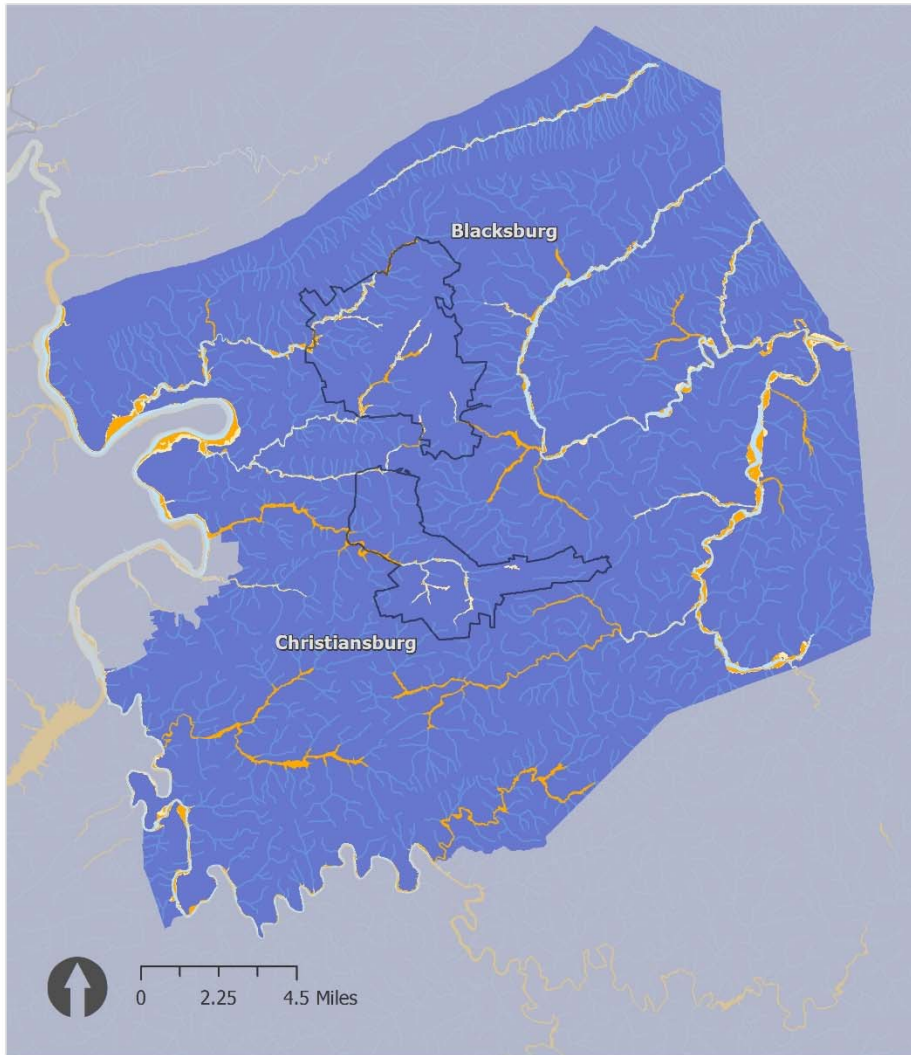


**Flood Zones**  
**Town of Rich Creek**  
New River Valley

-  Buildings in Flood Zone
-  Floodway
-  100-Year Flood Zone
-  500-Year Flood Zone
-  Hydrology

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

Map 21. Montgomery County Floodplains

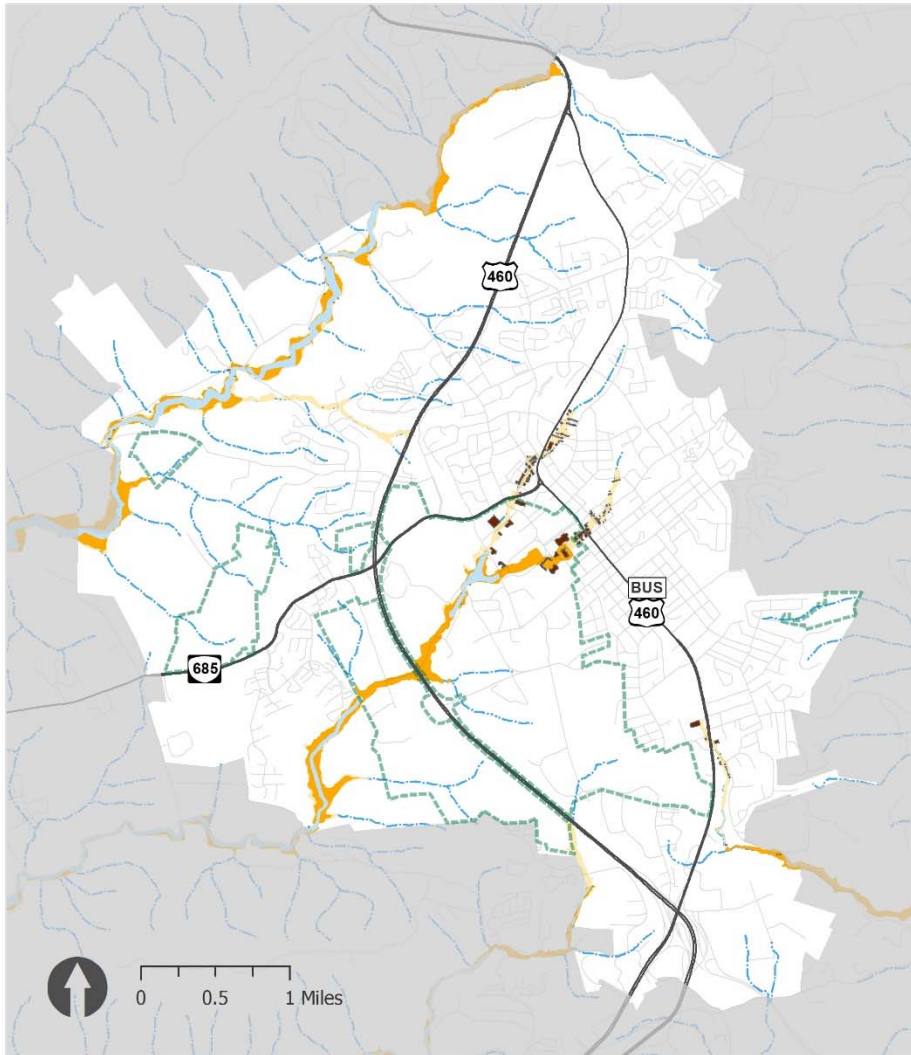


### Flood Zones Montgomery County New River Valley

-  Floodway
-  100-Year Flood Zone
-  500-Year Flood Zone
-  Hydrology

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

Map 22. Town of Blacksburg Floodplains

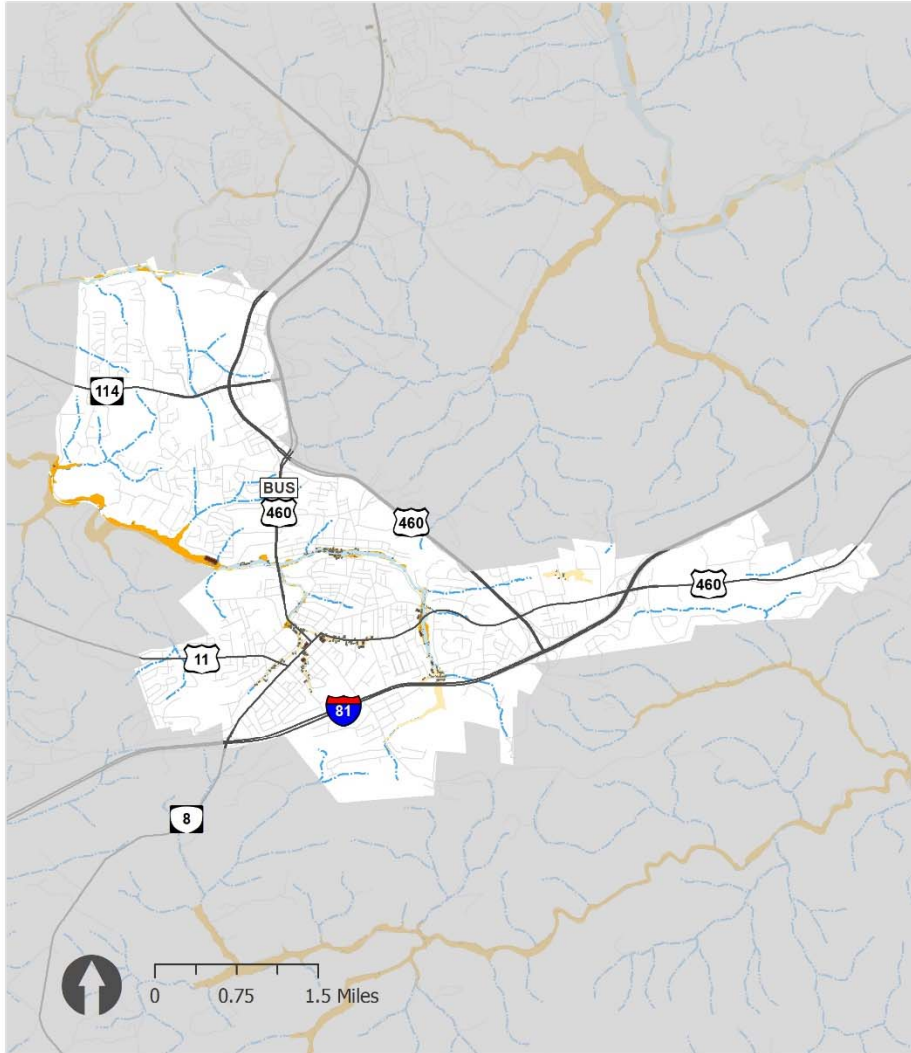


**Flood Zones**  
**Town of Blacksburg**  
New River Valley

-  Buildings in Flood Zone
-  Floodway
-  100-Year Flood Zone
-  500-Year Flood Zone
-  Hydrology
-  Virginia Tech

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; Town of Blacksburg; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network; Virginia Tech.

Map 23. Town of Christiansburg Floodplains



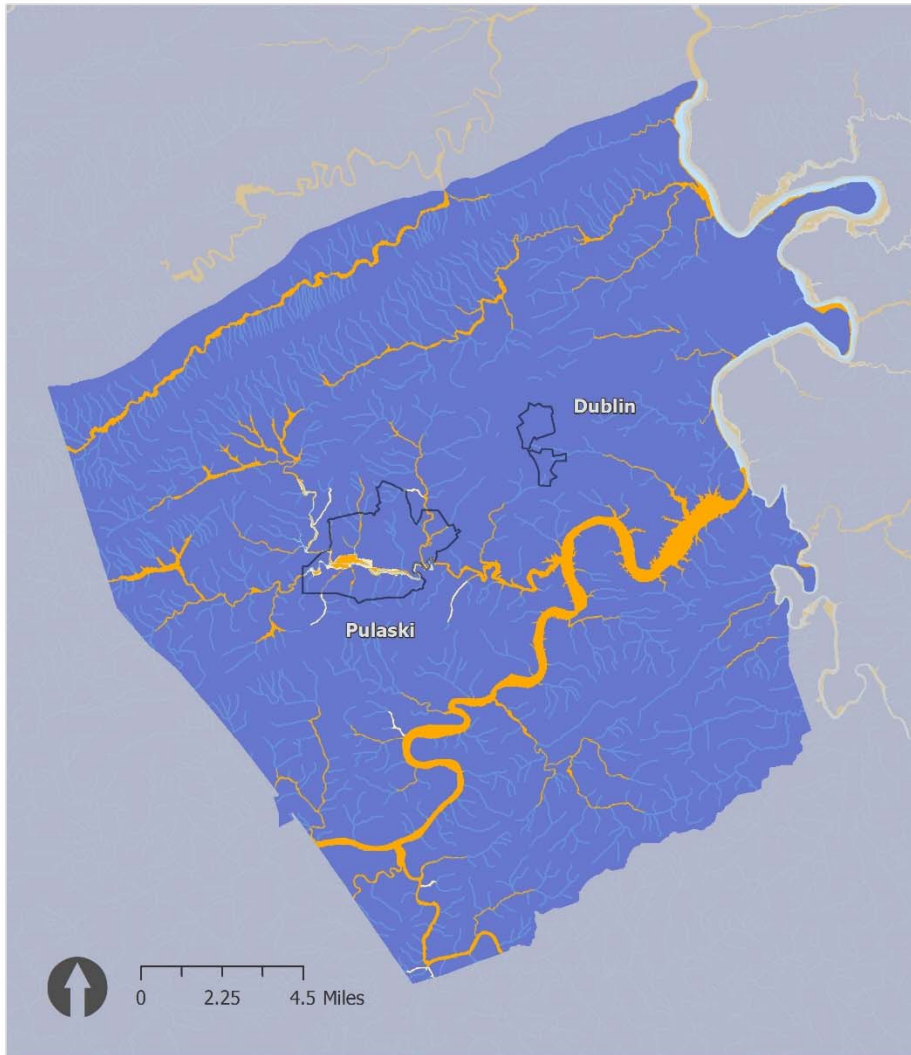
**Flood Zones**  
**Town of Christiansburg**  
New River Valley

- Buildings in Flood Zone
- Floodway
- 100-Year Flood Zone
- 500-Year Flood Zone
- Hydrology

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.



Map 24. Pulaski County Floodplains

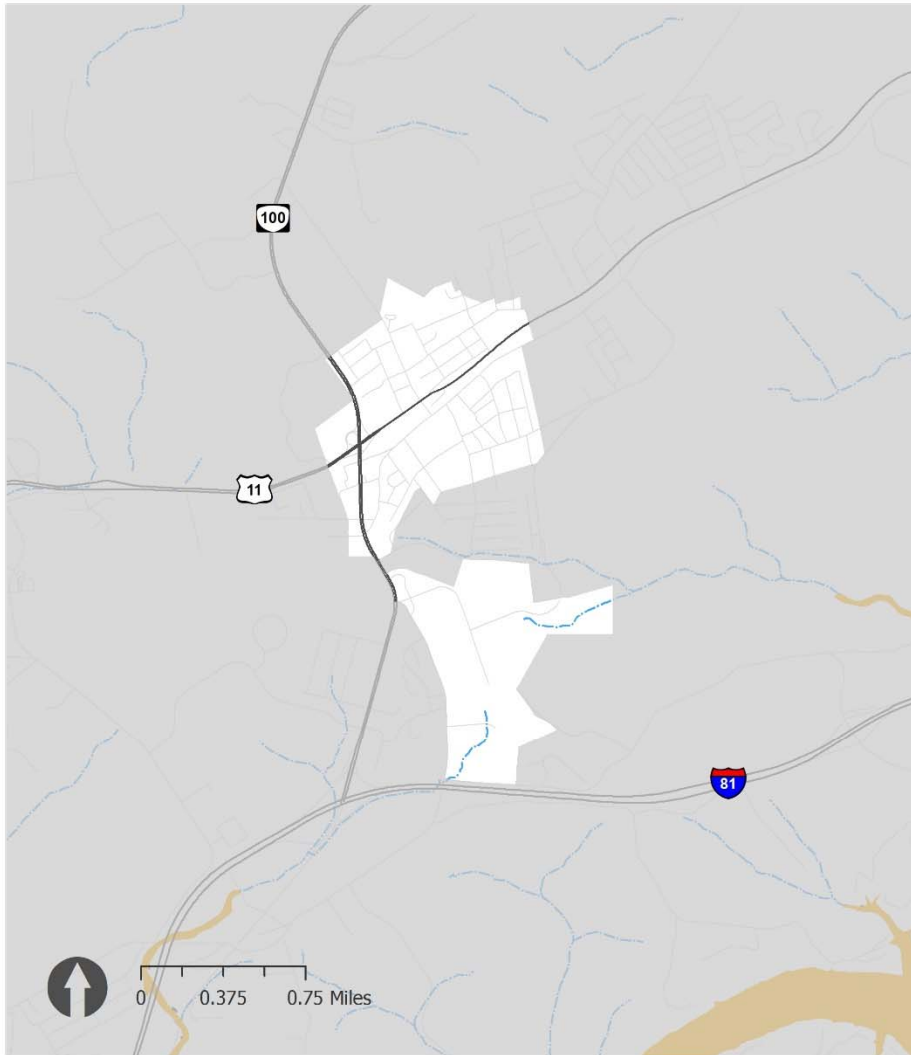


**Flood Zones**  
**Pulaski County**  
New River Valley

-  Floodway
-  100-Year Flood Zone
-  500-Year Flood Zone
-  Hydrology

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

Map 25. Town of Dublin Floodplains

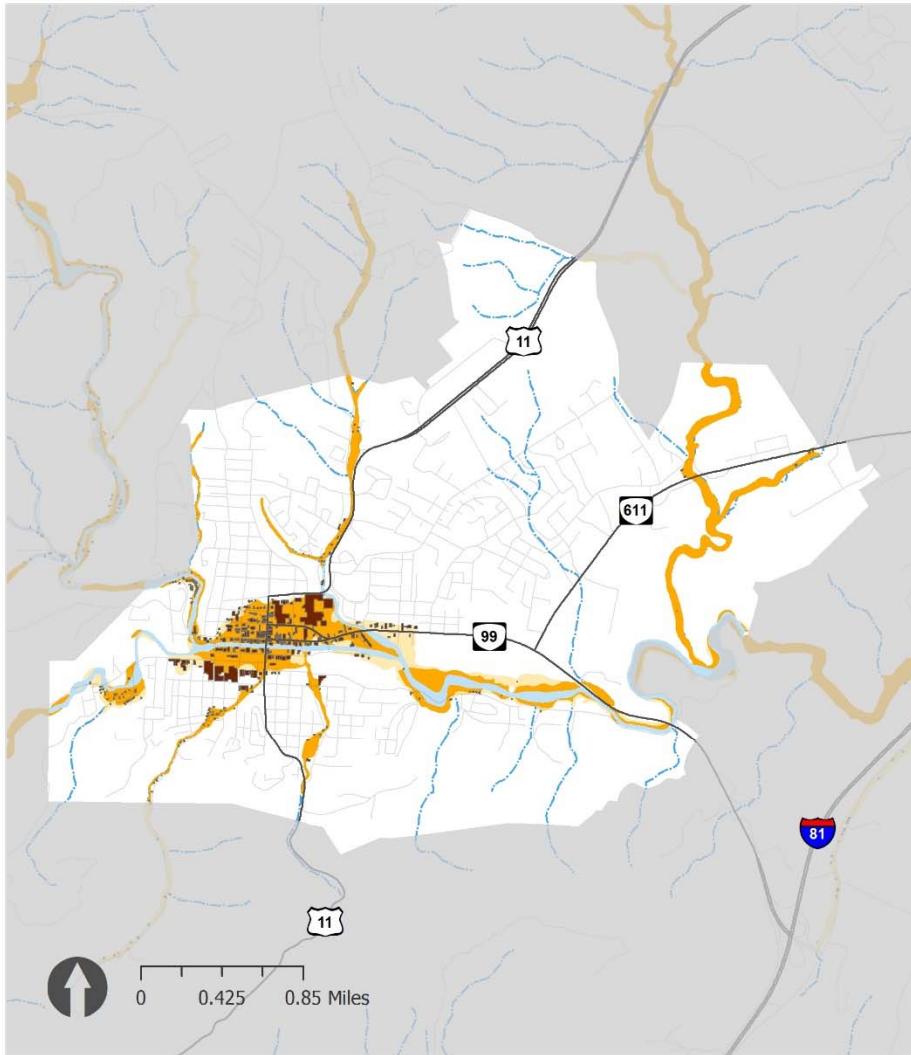


**Flood Zones**  
**Town of Dublin**  
New River Valley

- Buildings in Flood Zone
- Floodway
- 100-Year Flood Zone
- 500-Year Flood Zone
- Hydrology

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

Map 26. Town of Pulaski Floodplains

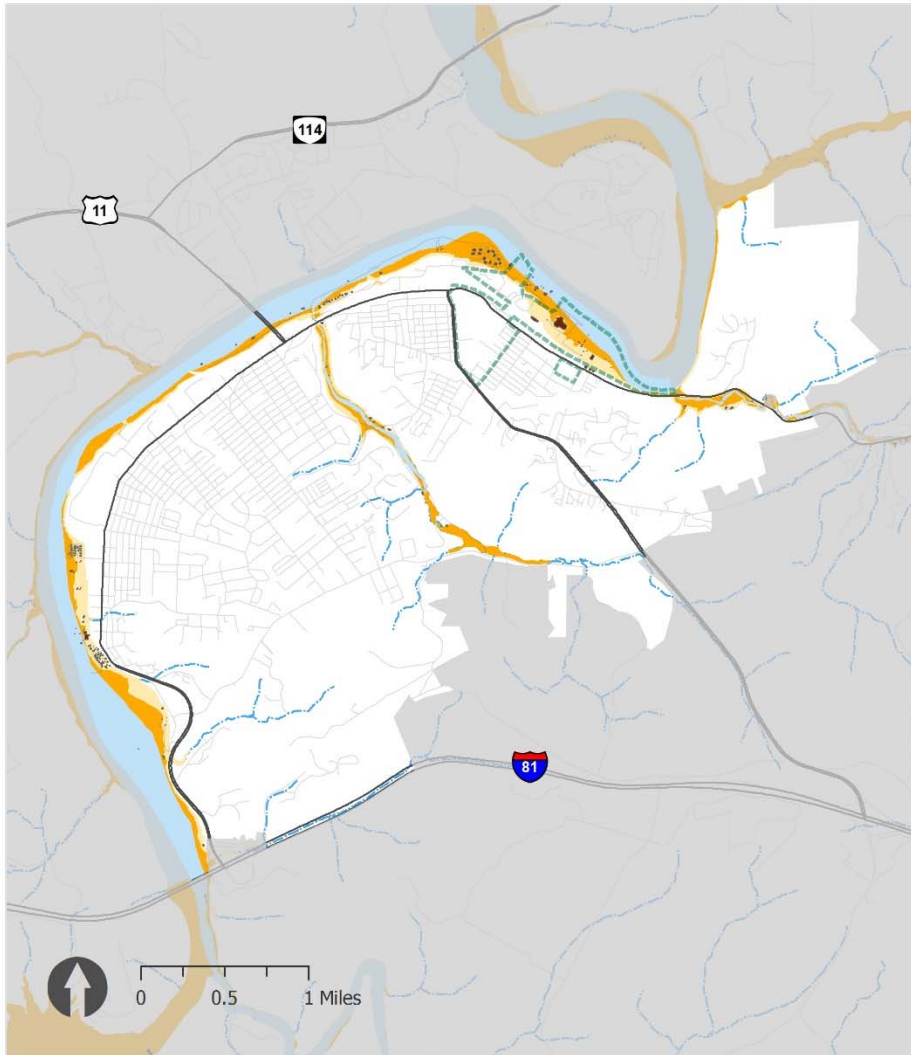


**Flood Zones**  
**Town of Pulaski**  
New River Valley

-  Buildings in Flood Zone
-  Floodway
-  100-Year Flood Zone
-  500-Year Flood Zone
-  Hydrology

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

Map 27. City of Radford Floodplains

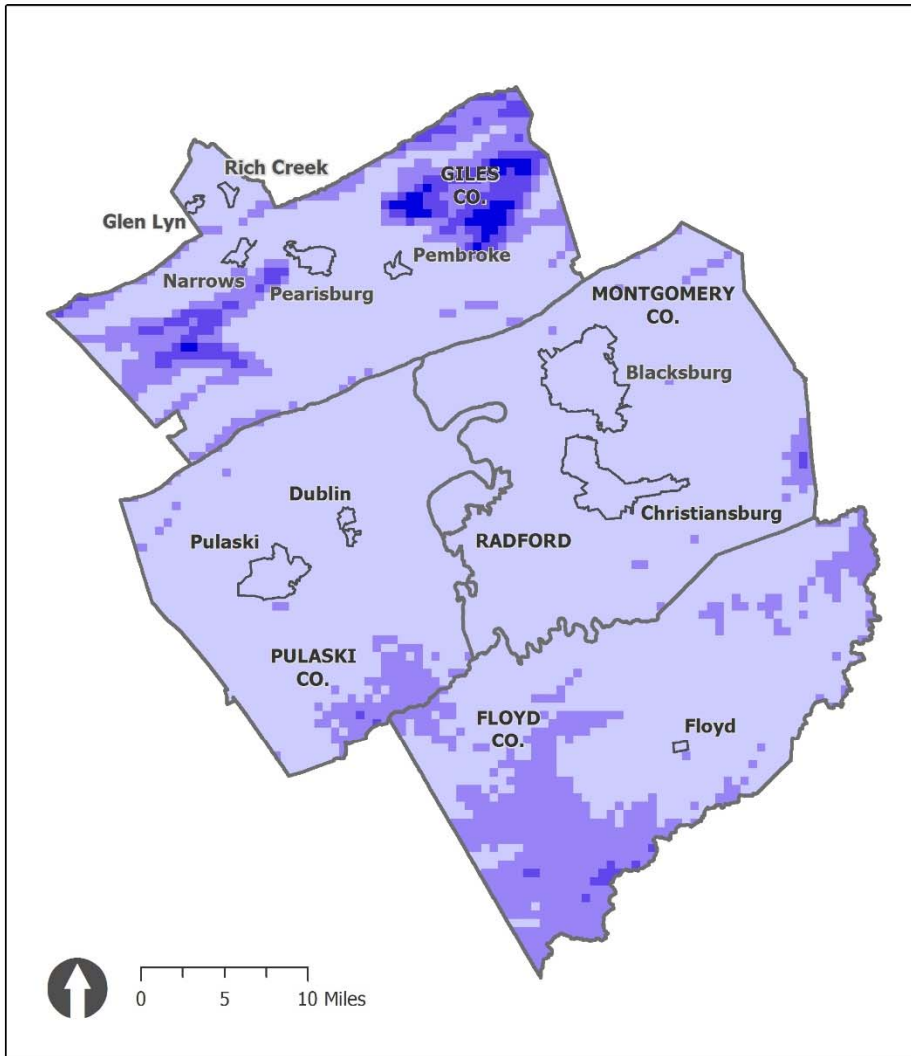


**Flood Zones**  
**City of Radford**  
New River Valley

-  Buildings in Flood Zone
-  Floodway
-  100-Year Flood Zone
-  500-Year Flood Zone
-  Hydrology
-  Radford University

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; Radford University; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

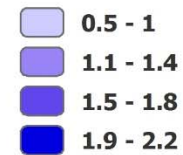
Map 28. NRV Six-inch Snowfalls



### Snowfalls of Six Inches or More

New River Valley

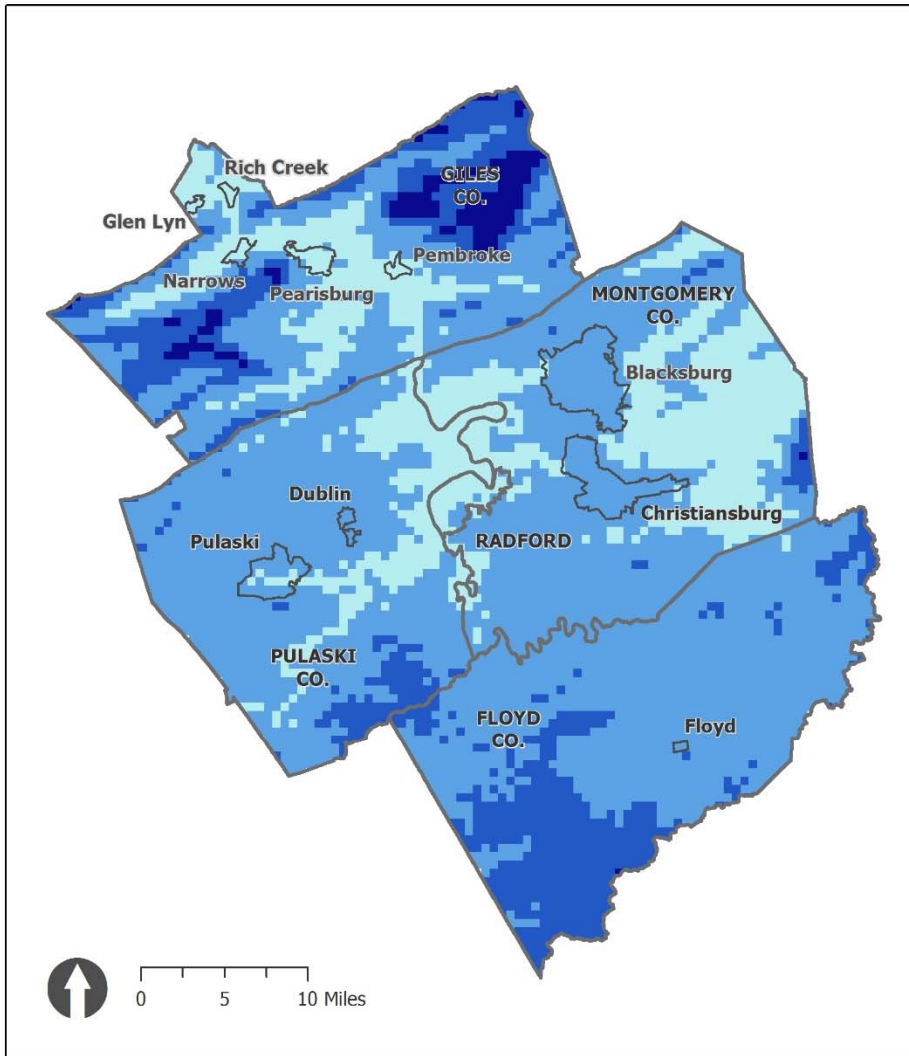
Average Annual Number of Days (1986-2015)



Snowfall figures calculated using a polynomial interpolation based on elevation classes. Weather stations with less than five years of records were excluded. Equal interval distribution.

Created by NRVRC, 2017. Sources: National Oceanic and Atmospheric Administration; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

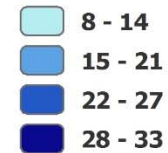
Map 29. NRV Freezing Temperature



**Maximum Temperature  
32°F or Below (1986-2015)**

New River Valley

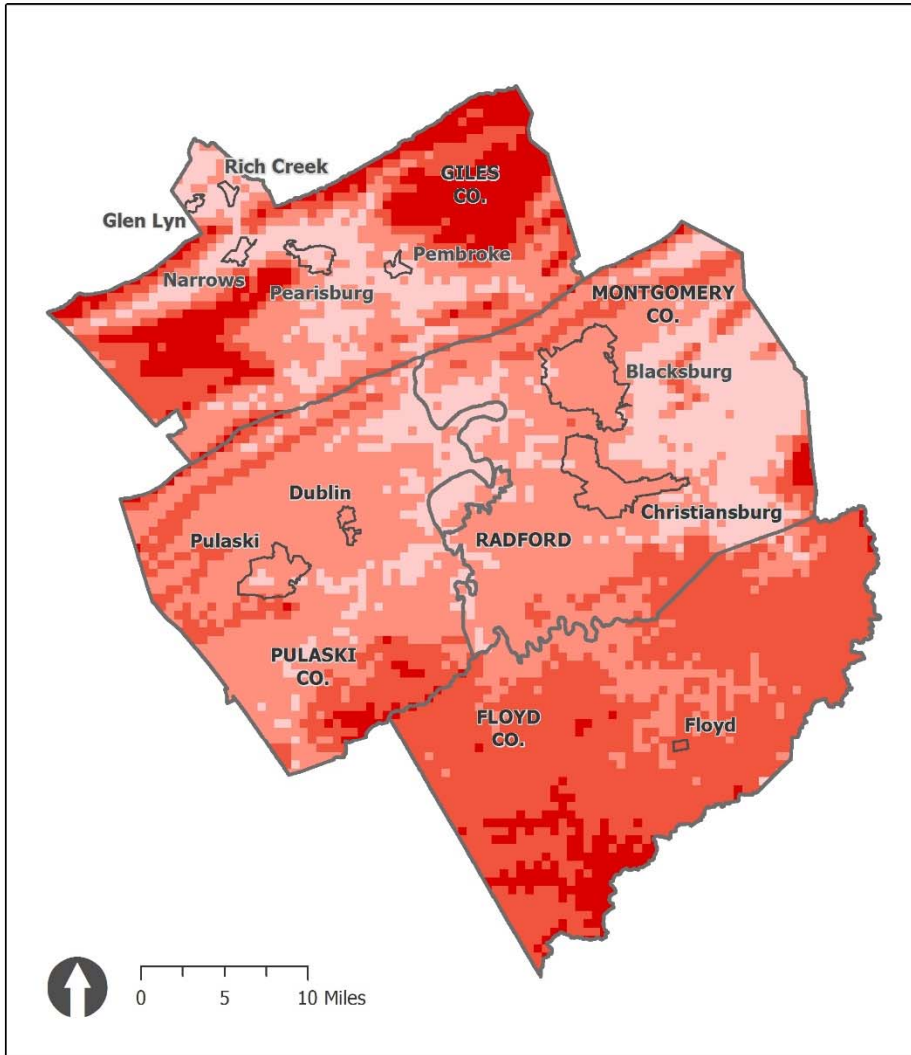
Average Annual  
Number of Days



Temperature figures calculated using a linear interpolation based on elevation. Weather stations with less than five years of records were excluded. Equal interval distribution.

Created by NRVRC, 2017. Sources: National Oceanic and Atmospheric Administration; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

Map 30. Warming Winter Weather Trend



**Warming Winter Weather:  
Days with a Maximum  
Temperature of 32°F  
or Below  
New River Valley**

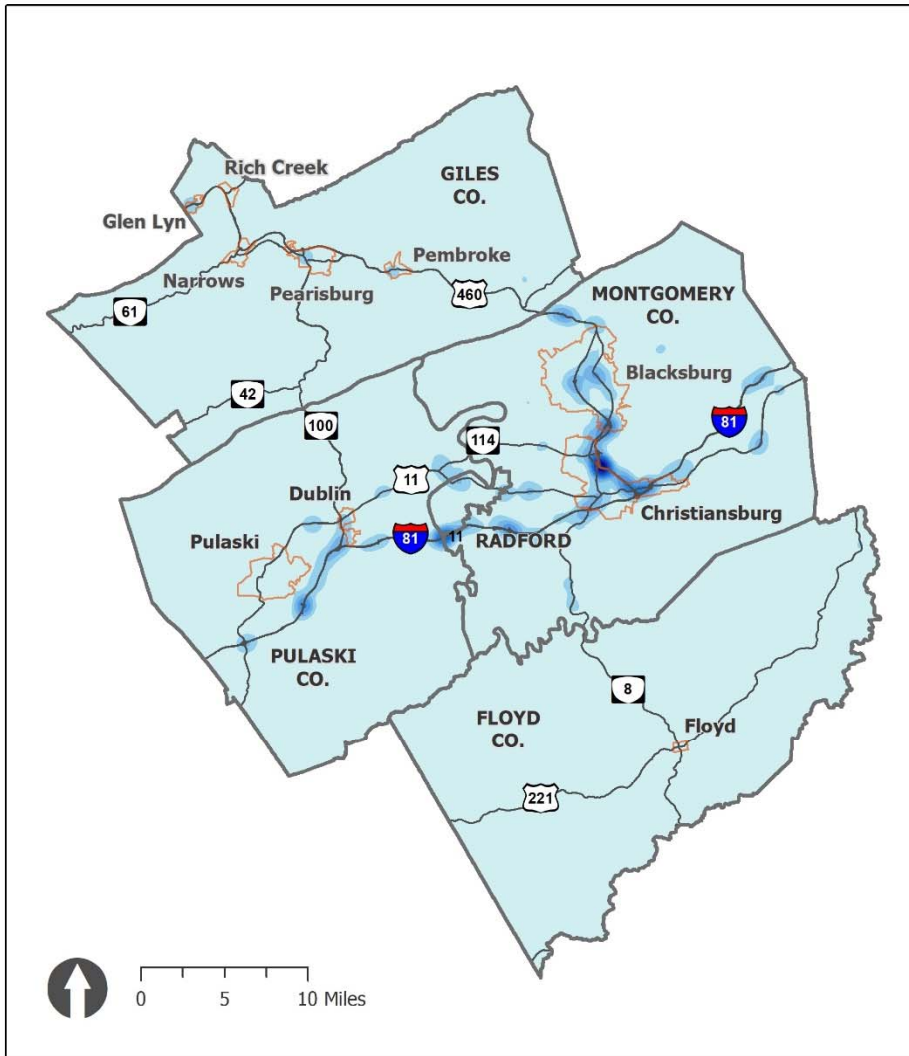
Decrease in Average  
Annual Number of Days  
(1960-1987 vs. 1988-2015)

- 1.1 - 1.7
- 1.8 - 2
- 2.1 - 2.5
- 2.6 - 3.6

Temperature figures calculated using a linear interpolation based on elevation. Weather stations with less than five years of records were excluded. Jenks natural breaks distribution.

Created by NRVRC, 2017. Sources: National Oceanic and Atmospheric Administration; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

Map 31. Winter Weather Crash Density



## Winter Weather Crash Density (2010-2014)

New River Valley

Crash Incident Density

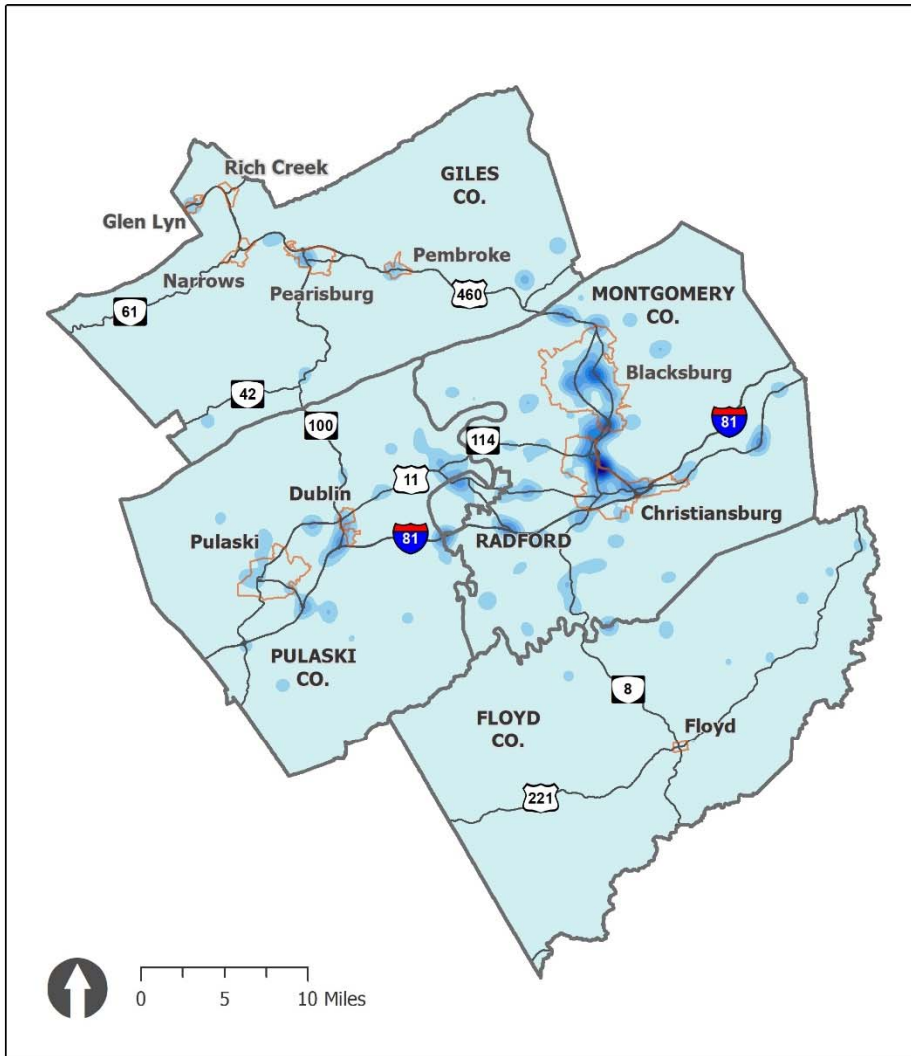


Crash incident occurrence. Kernel density, 1 mile search radius. Equal interval distribution.

Created by NRVRC, 2017. Sources: U.S. Census Bureau; Virginia Department of Transportation; Virginia Geographic Information Network.



Map 32. Winter Weather Crash Density (Normalized)



## Winter Weather Crash Density (2010-2014)

New River Valley

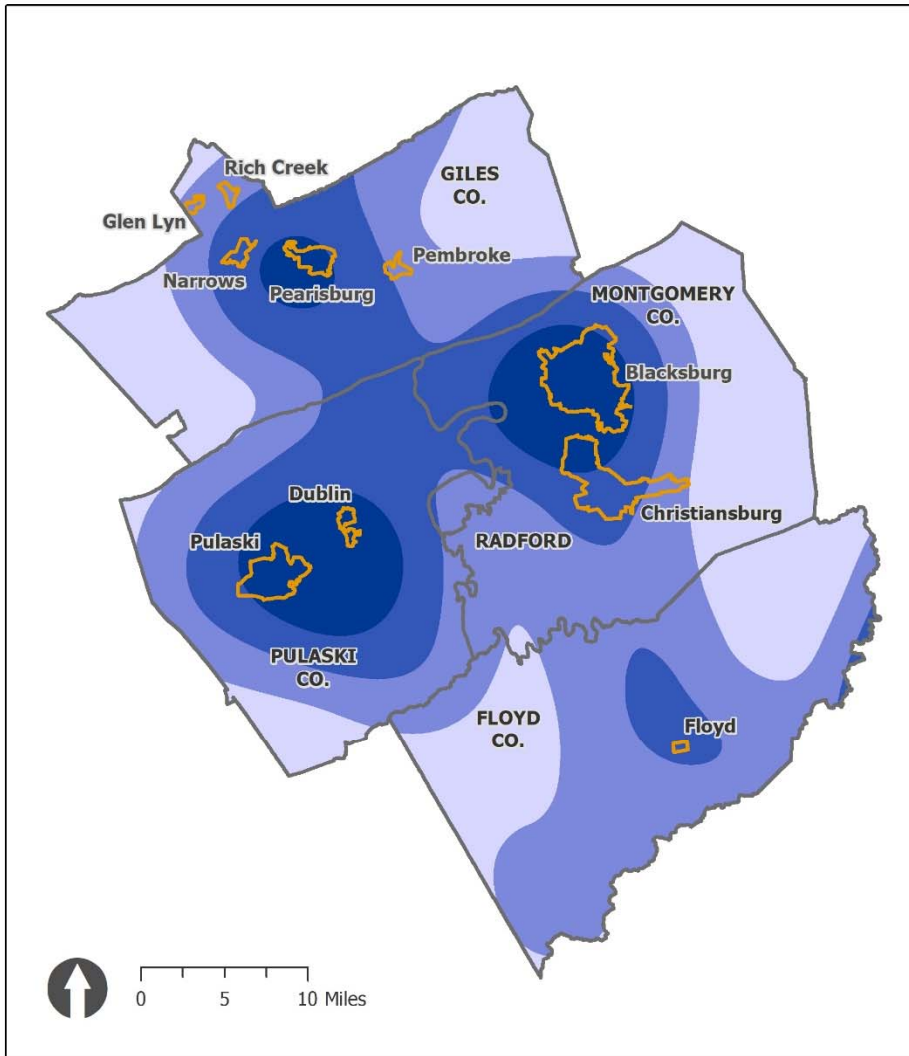
Relative Crash Incident Density



Crash incident occurrence normalized by road functional class. Kernel density, 1 mile search radius. Equal interval distribution.

Created by NRVRC, 2017. Sources: U.S. Census Bureau; Virginia Department of Transportation; Virginia Geographic Information Network.

Map 33. Wind Gust Density



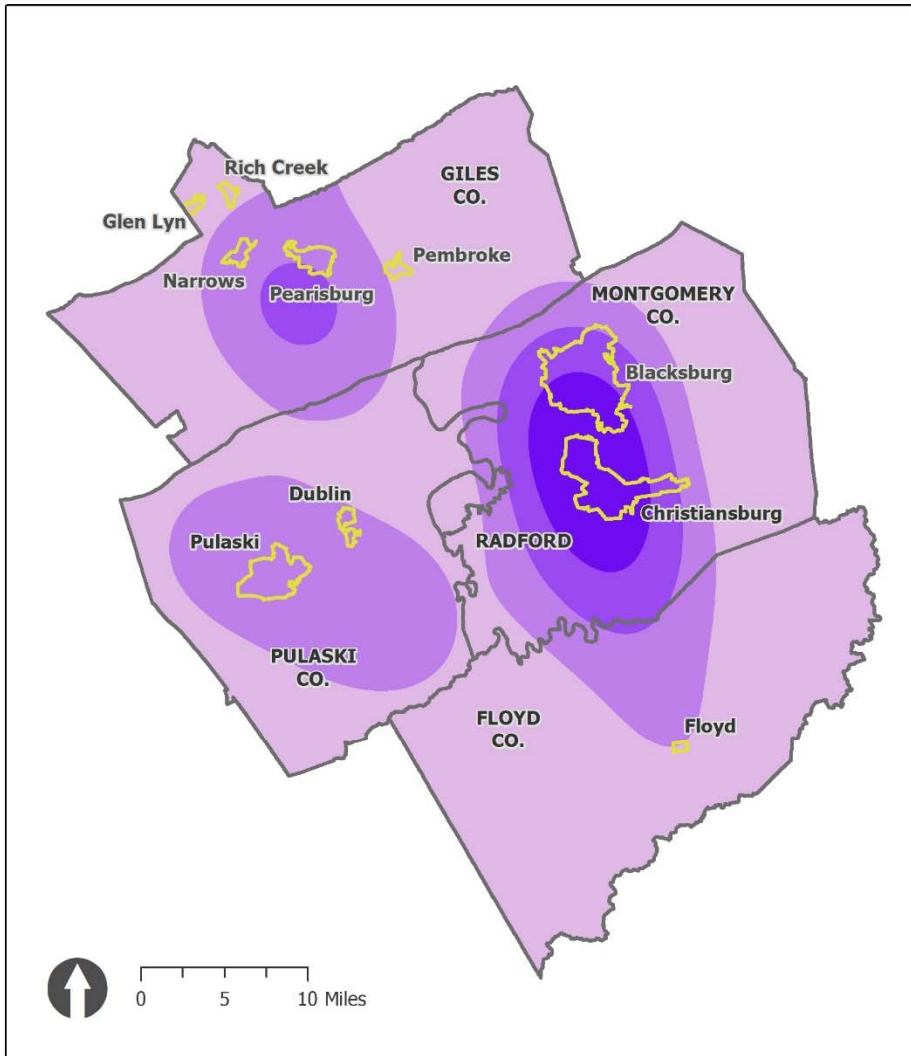
### Thunderstorm Wind Gust Density (1996-2015) New River Valley

- Low
- Med-Low
- Med-High
- High

Reflects kernel density of thunderstorm wind gusts within a 10-mile radius of a point. Equal interval distribution.

Created by NRVRC, 2017. Sources: National Oceanic and Atmospheric Administration; U.S. Census Bureau; Virginia Geographic Information Network.

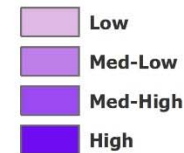
Map 34. Wind Gust Property Damage Density



### Thunderstorm Wind Gust Property Damage Density (1996-2015)

New River Valley

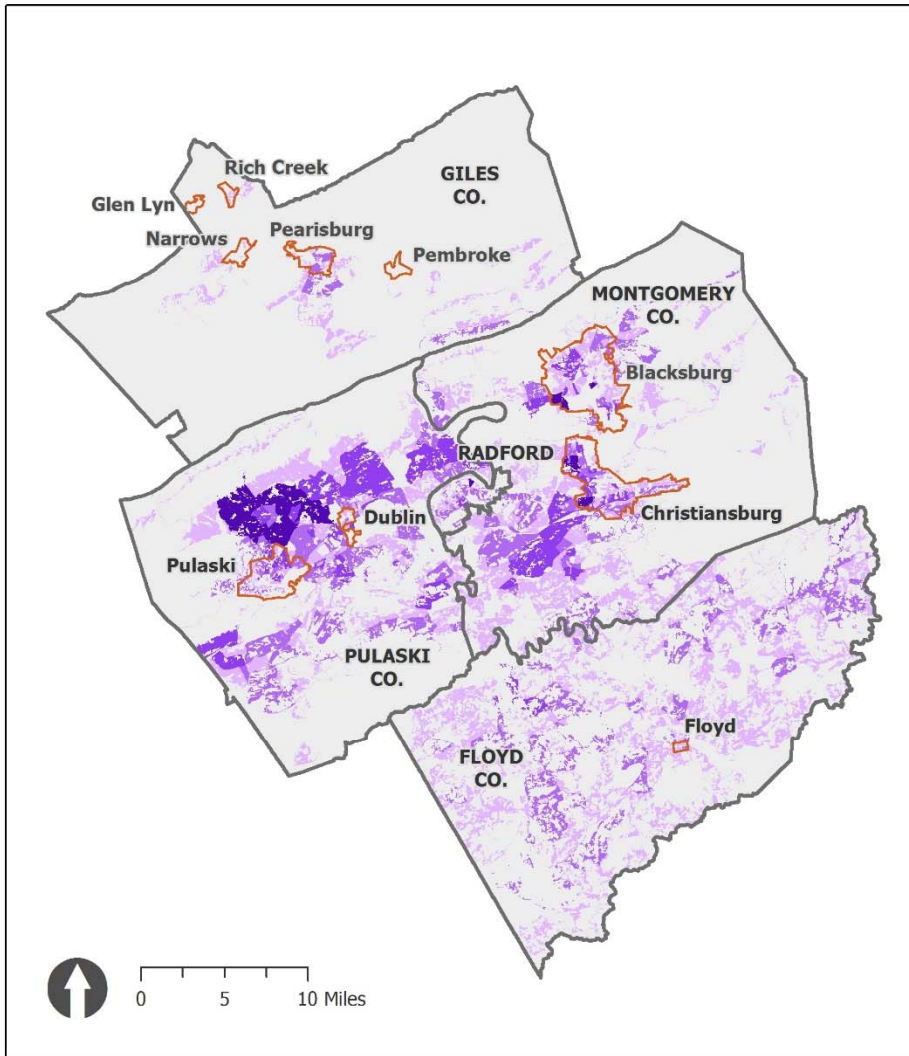
#### Cumulative Property Damage



Reflects kernel density of total property damage caused by thunderstorm wind gusts within a 10-mile radius of a point. Equal interval distribution.

Created by NRVRC, 2017. Sources: National Oceanic and Atmospheric Administration; U.S. Census Bureau; Virginia Geographic Information Network.

Map 35. 100-Year Wind Event Annualized Loss



## 100-Year Wind Event Annualized Loss

New River Valley

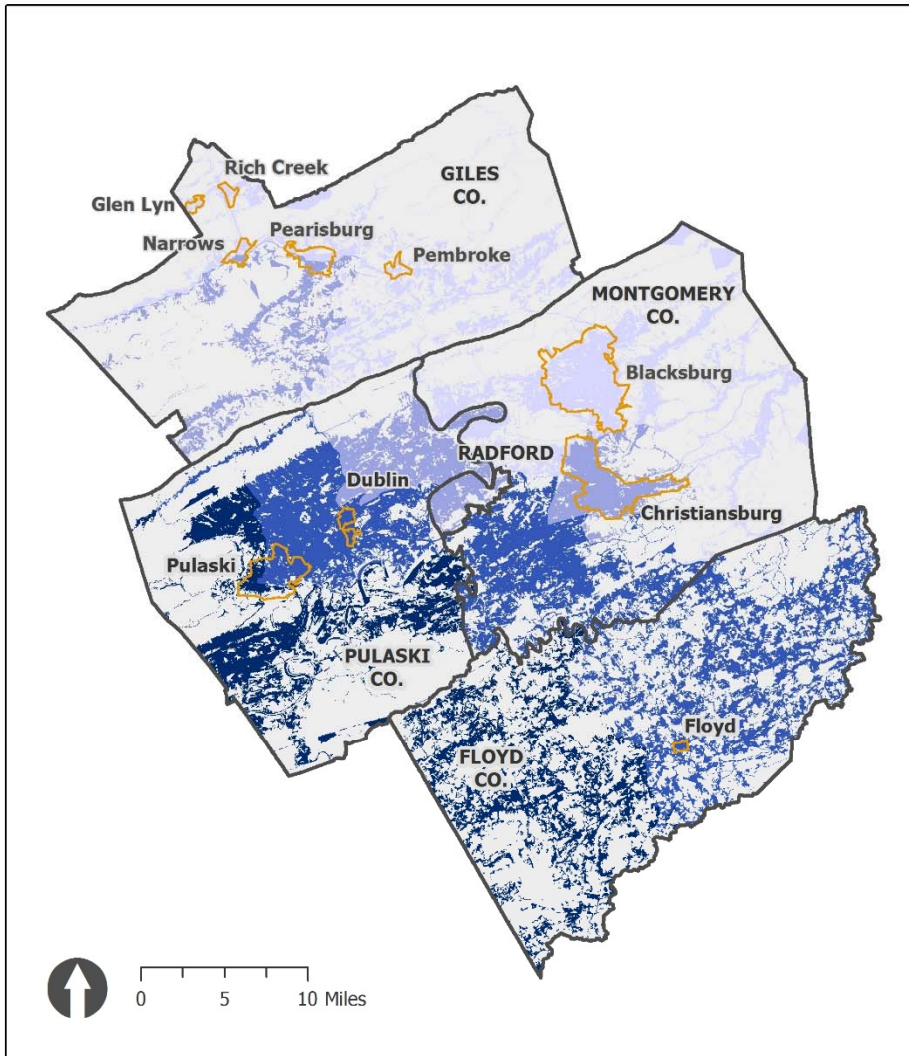
### Total Direct Loss



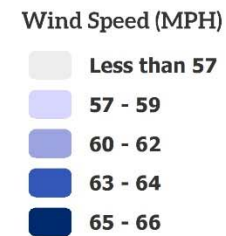
Reflects total direct annualized loss to structures following a 100-year wind event. Modeling and loss estimates were calculated using HAZUS MH 3.1. Jenks natural breaks distribution.

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; Virginia Geographic Information Network.

Map 36. 100-Year Wind Event Peak Gust



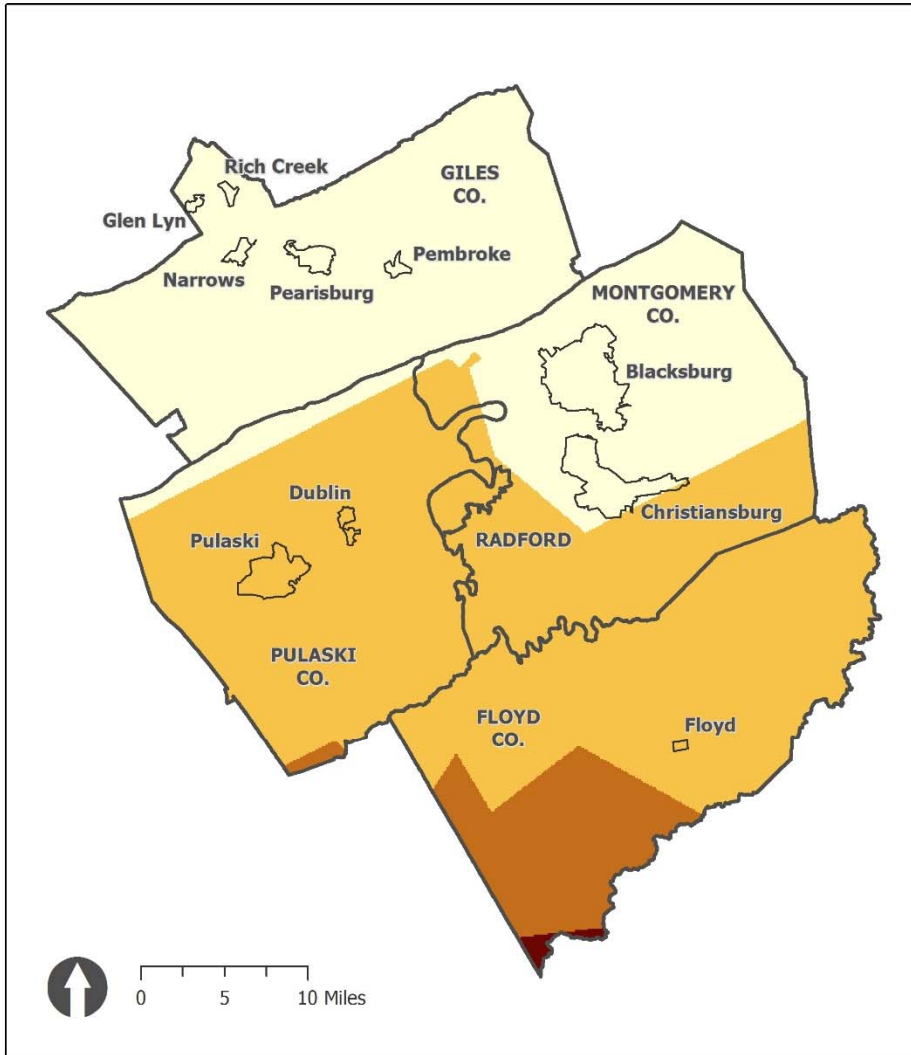
### 100-Year Wind Event Peak Gust New River Valley



Reflects peak gust wind speeds for a 100-year event.  
Winds speeds were modeled using HAZUS MH 3.1.

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; U.S. Census Bureau; Virginia Geographic Information Network.

Map 37. NRV Tornado Hazard



## Historical Tornado Hazard Frequency

New River Valley

### Annual Tornado Hazard Frequency

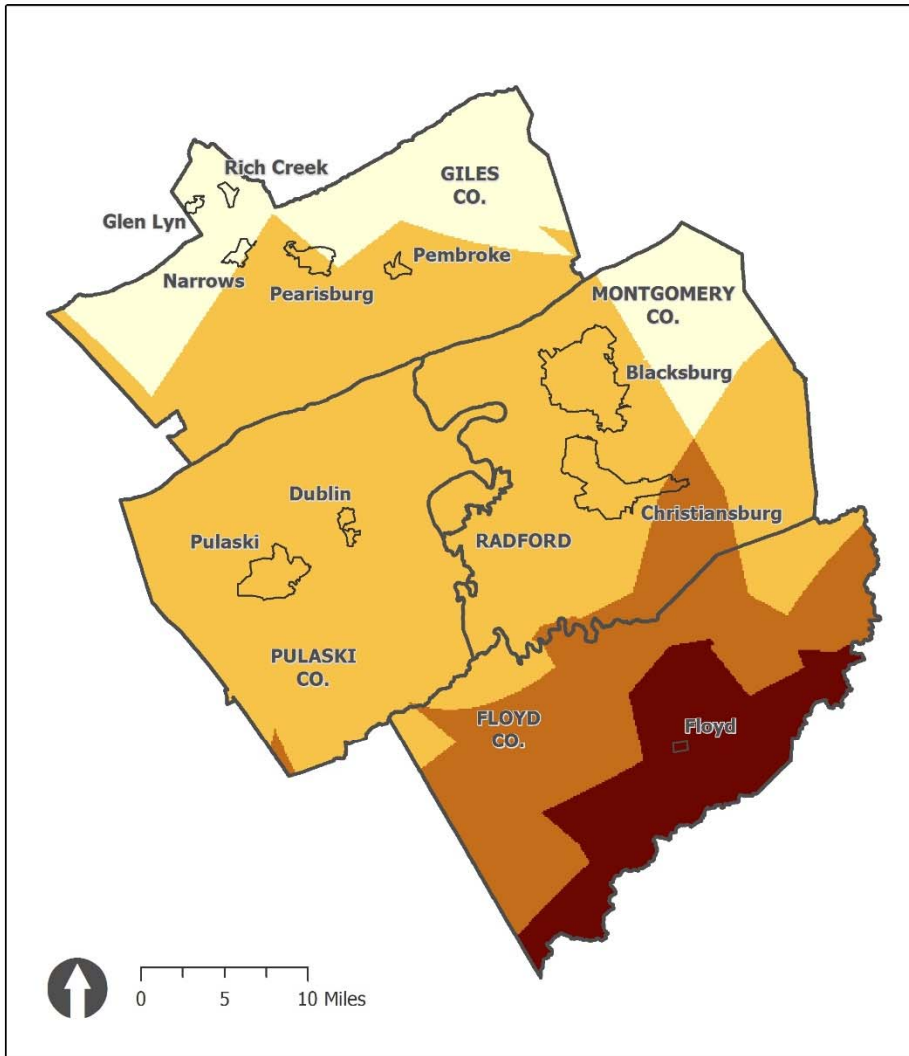
Times One Million

- 13 - 38
- 39 - 62
- 63 - 87
- 88 - 111

Annual tornado hazard frequency is an estimate of the frequency with which a point will experience a tornado, interpolated from neighboring tornado impact areas during the historical period of record (1950-2015).

Created by NRVRC, 2017. Sources: National Oceanic and Atmospheric Administration; U.S. Census Bureau; Virginia Department of Emergency Management; Virginia Geographic Information Network.

Map 38. NRV Tornado Hazard F2+

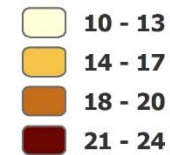


## Historical Significant Tornado Hazard Frequency

New River Valley

Annual Tornado Hazard Frequency (F2+)

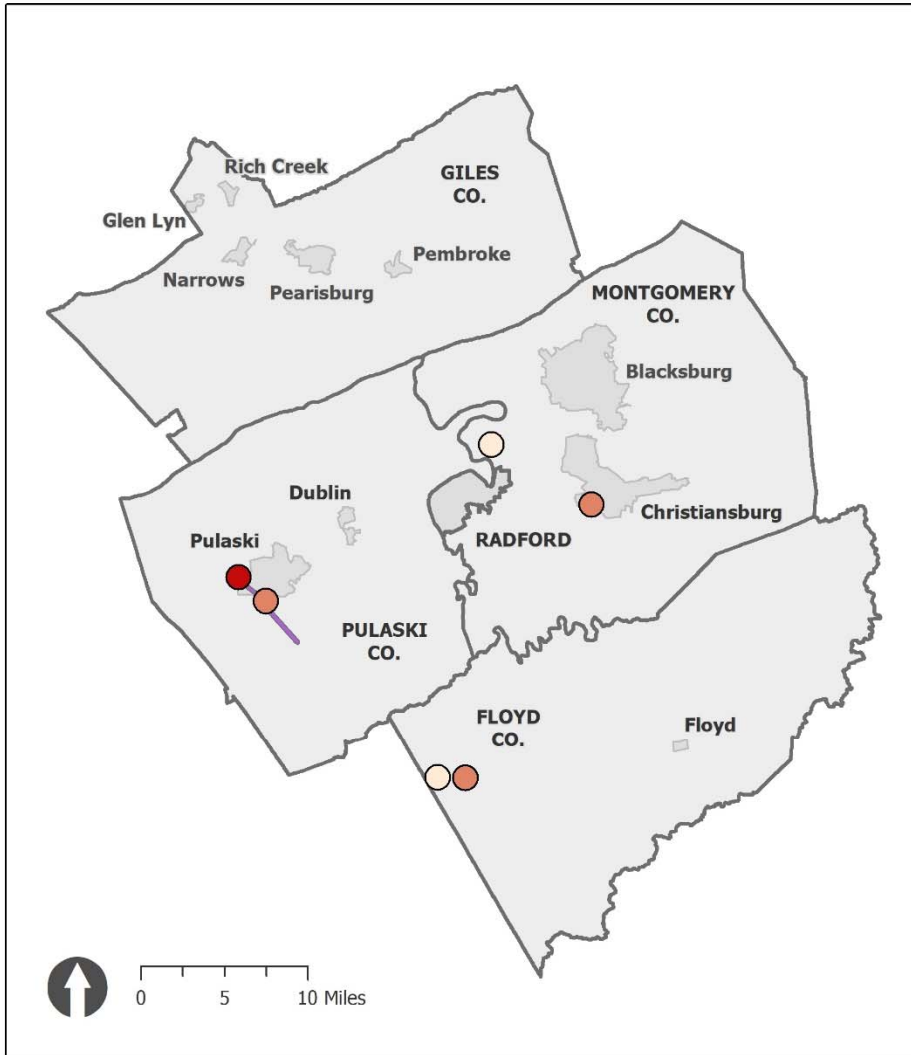
Times One Million



Annual tornado hazard frequency is an estimate of the frequency with which a point will experience a tornado, interpolated from neighboring tornado impact areas during the historical period of record (1950-2015).

Created by NRVRC, 2017. Sources: National Oceanic and Atmospheric Administration; U.S. Census Bureau; Virginia Department of Emergency Management; Virginia Geographic Information Network.

Map 39. NRV Tornado History



**Tornados  
(1950-2015)**

New River Valley

**Touchdown and Tracks**

**Magnitude**

- 0
- 1
- 2

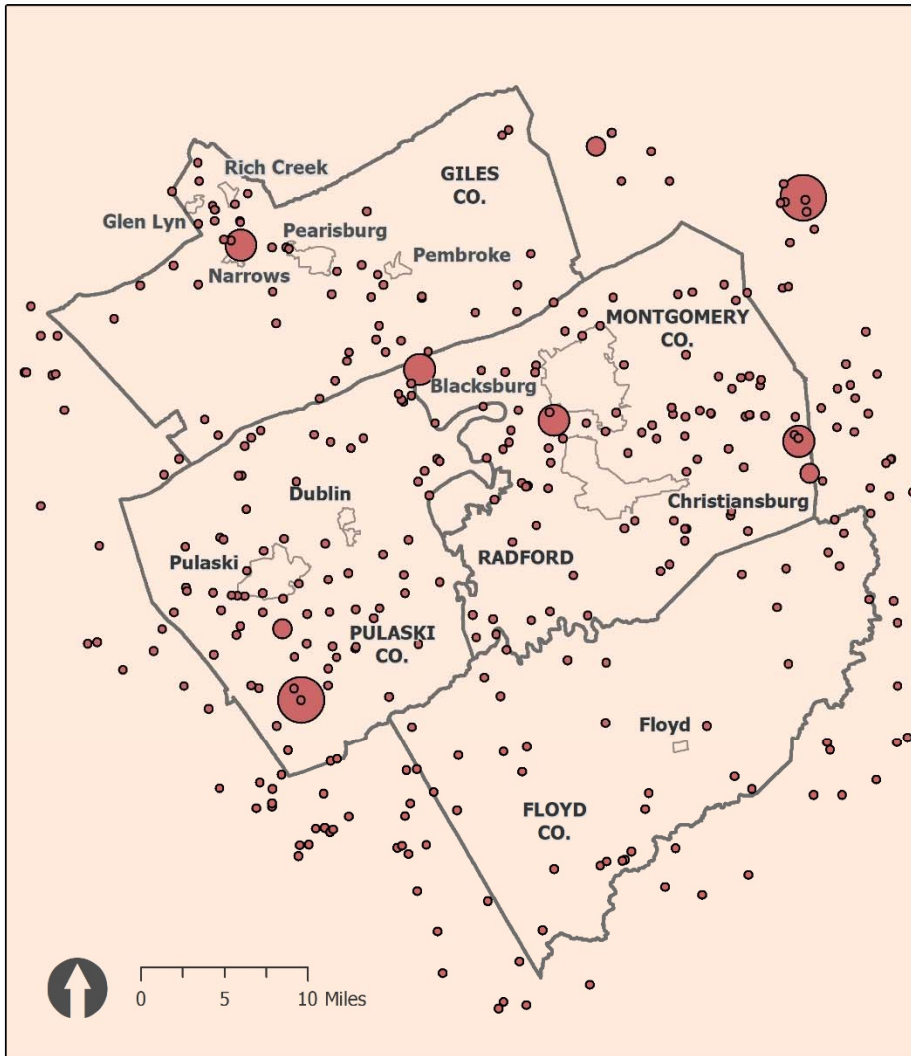
**Tornado Corridor**



Created by NRVRC, 2017. Sources: National Oceanic and Atmospheric Administration; U.S. Census Bureau; Virginia Department of Emergency Management; Virginia Geographic Information Network.



Map 40. NRV Wildfires



### Wildfire Incidents (2002-Spring 2016)

New River Valley

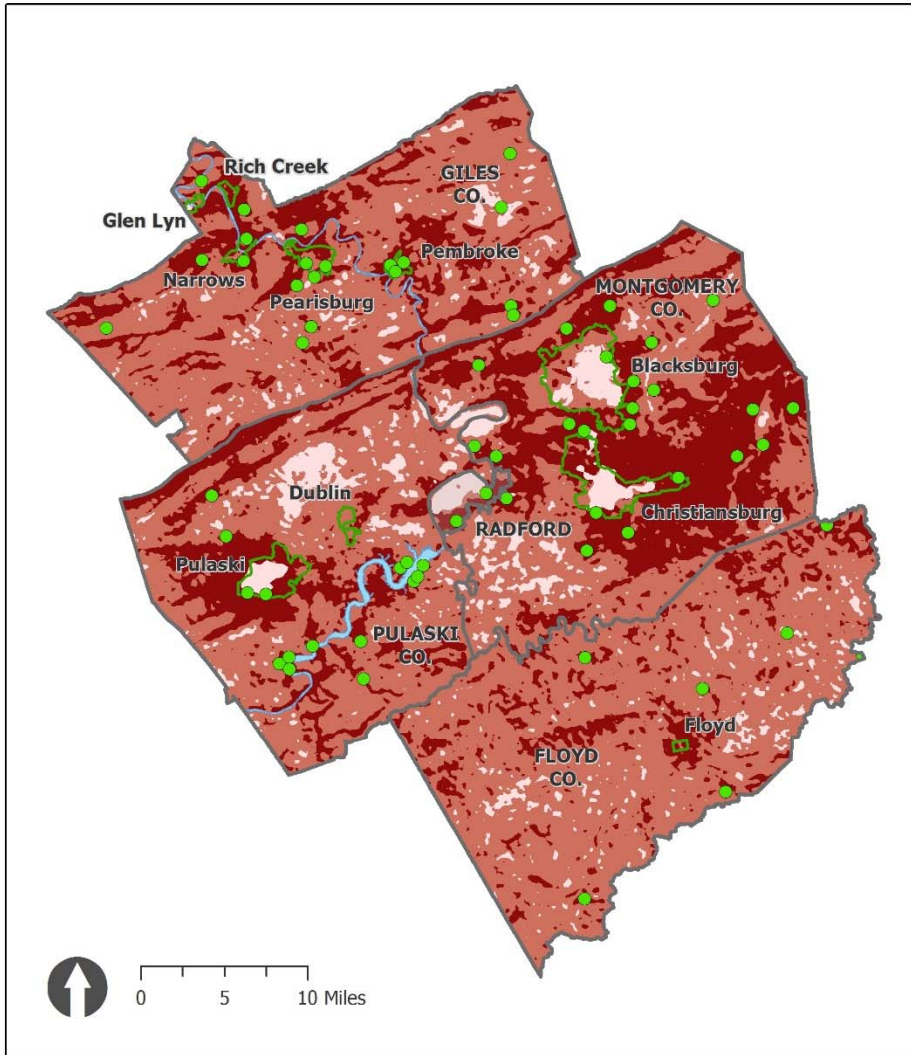
Fire Size (acres)

- 0 - 100
- 101 - 200
- 201 - 300
- 301 - 665

Reported wildfires within five miles of the New River Valley. Data for West Virginia counties not available.

Created by NRVRC, 2017. Sources: U.S. Census Bureau; Virginia Department of Forestry; Virginia Geographic Information Network.

Map 41. NRV Wildfire Risk Assessment



### Wildfire Risk and Woodland Homes Communities

New River Valley

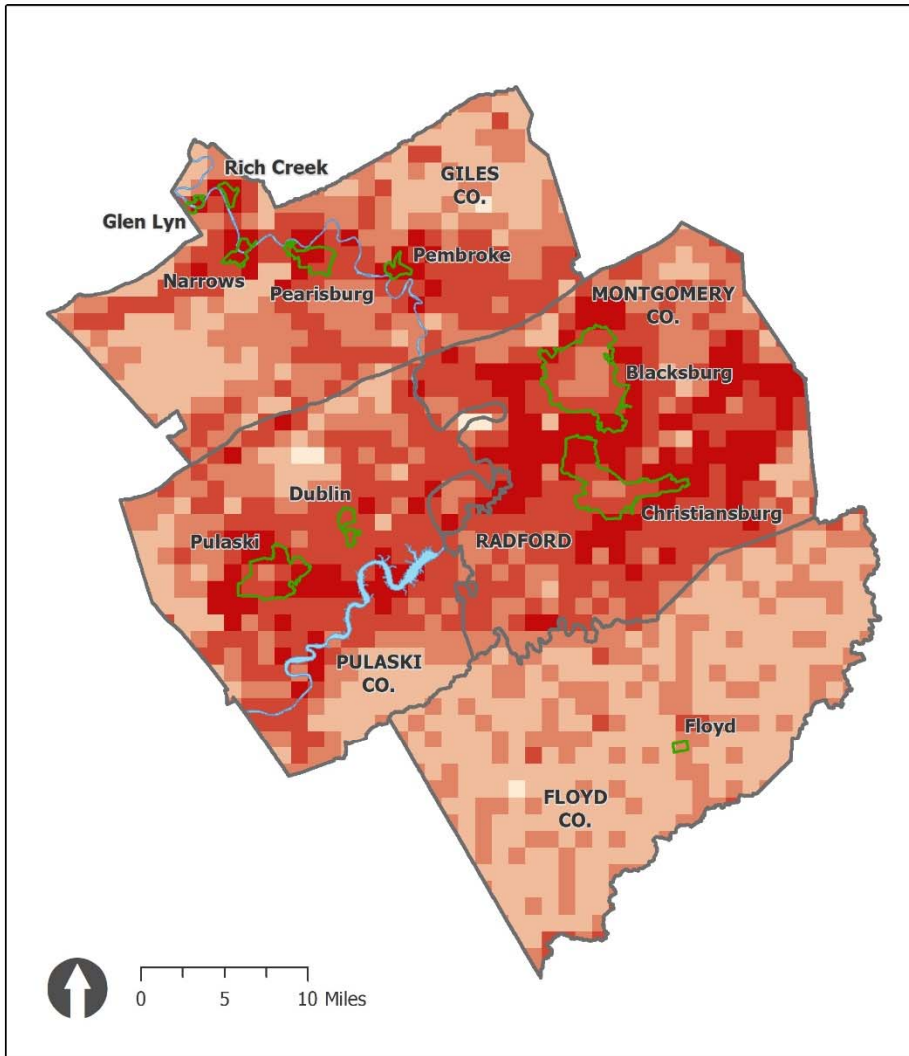
**Wildfire Risk**

- Low**
- Moderate**
- High**
- Woodland Homes Community**

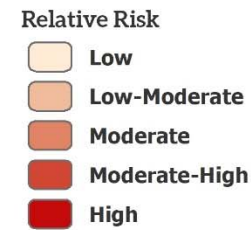
Woodland Homes Communities "are clusters of homes located along forested areas at the wildland-urban interface that could possibly be damaged during a nearby wildfire incident."

Created by NRVRC, 2016. Sources: U.S. Geological Survey; U.S. Census Bureau; Virginia Department of Forestry; Virginia Geographic Information Network.

Map 42. NRV Wildfire Risk to Structures



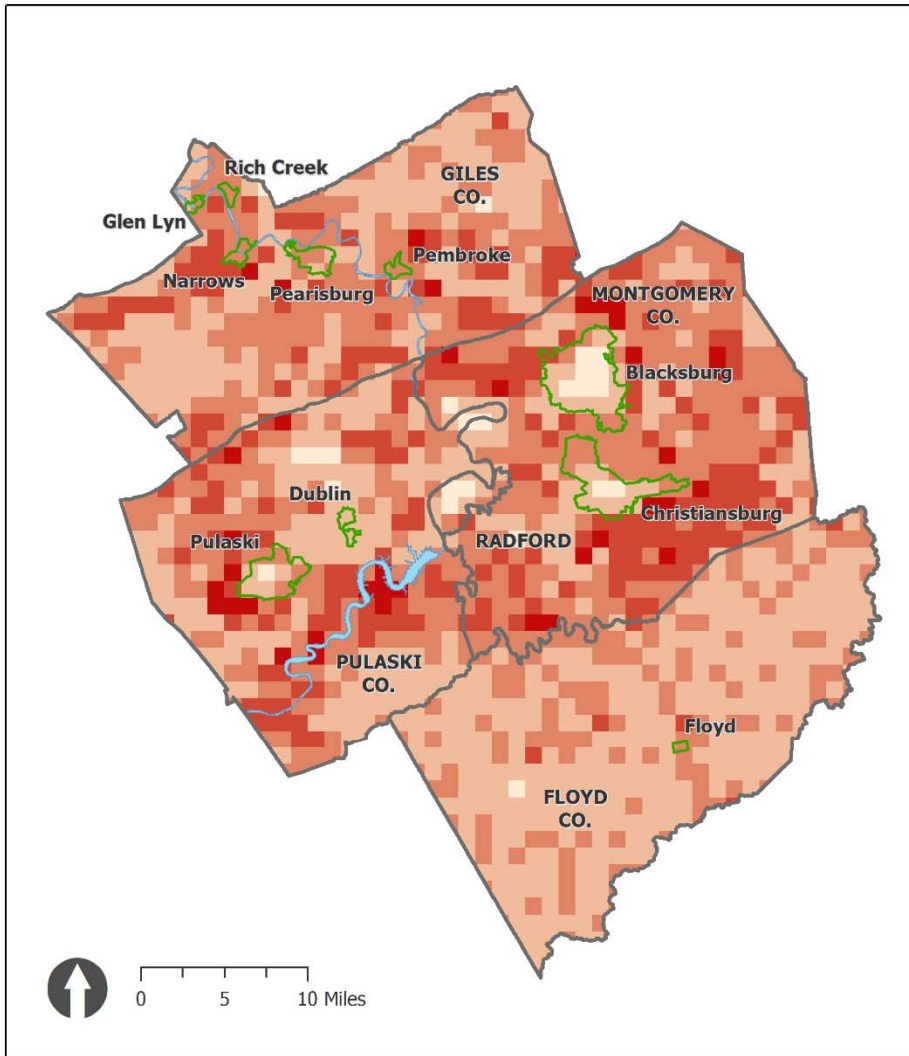
### Wildfire Risk to Structures New River Valley



Combination ranking of the Department of Forestry's Wildfire Risk Assessment resampled to a 1-mile resolution and the area of buildings per mile.

Created by NRVRC, 2017. Sources: Floyd County; U.S. Geological Survey; U.S. Census Bureau; Virginia Department of Forestry; Virginia Geographic Information Network.

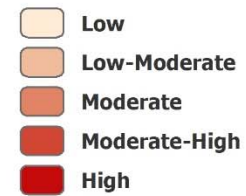
Map 43. NRV Wildfire Risk to Exurban Structures



## Wildfire Risk to Exurban Structures

New River Valley

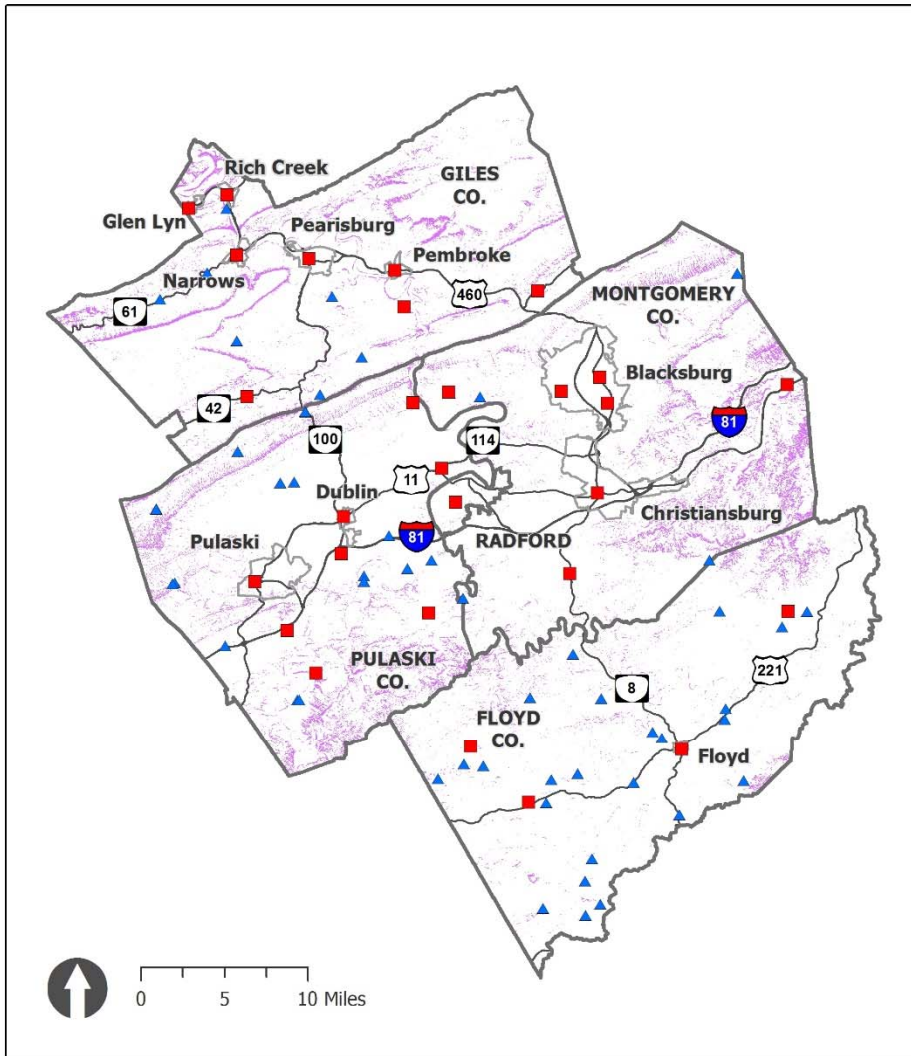
### Relative Risk



Combination ranking of the Department of Forestry's Wildfire Risk Assessment resampled to a 1-mile resolution and a comparison of total building footprints to levels of development.

Created by NRVRC, 2017. Sources: Floyd County; U.S. Geological Survey; U.S. Census Bureau; Virginia Department of Forestry; Virginia Geographic Information Network.

Map 44. Current Fire Mitigation and Response (with dry hydrants)



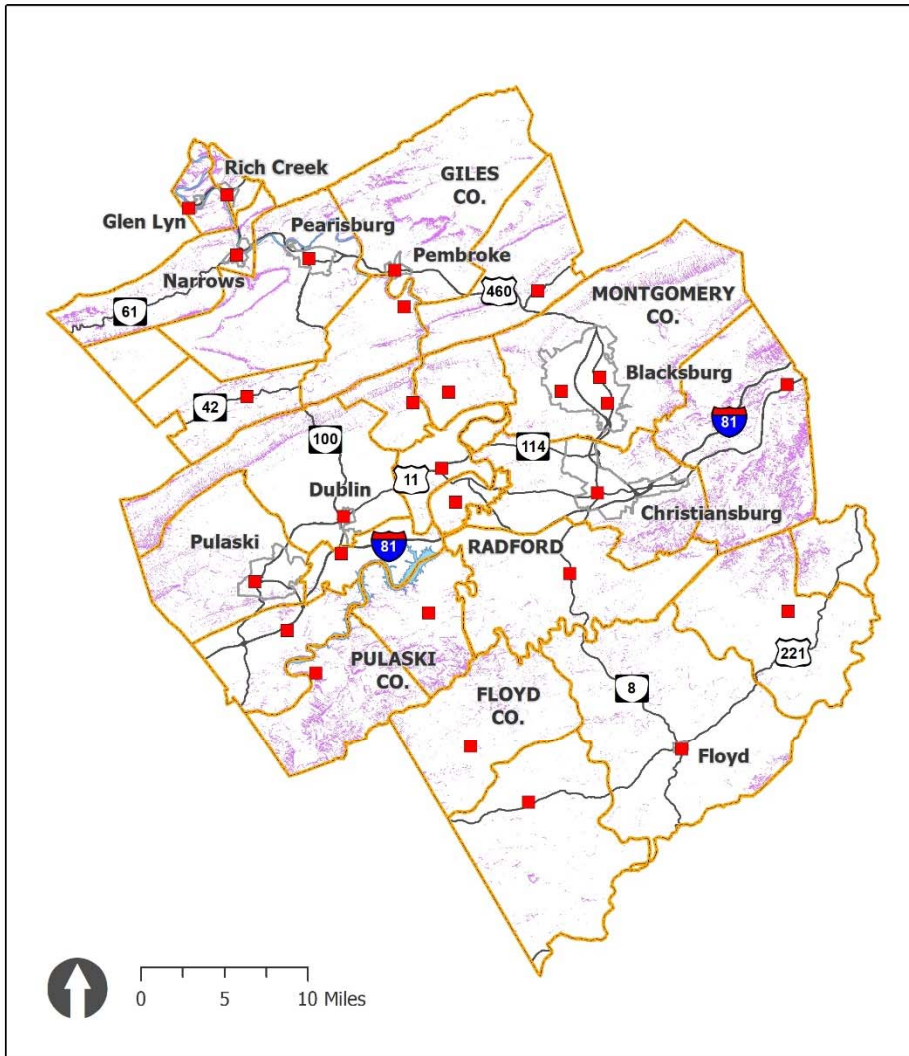
## Current Fire Mitigation and Response

New River Valley

- Fire Station
- ▲ Dry Hydrant
- Slope 50% or Greater

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; Floyd County; Google Maps; Montgomery County; Pulaski County; U.S. Geological Survey; U.S. Census Bureau; Virginia Department of Fire Programs; Virginia Department of Forestry; Virginia Geographic Information Network.

Map 45. Current Fire Mitigation and Response (with fire response districts)



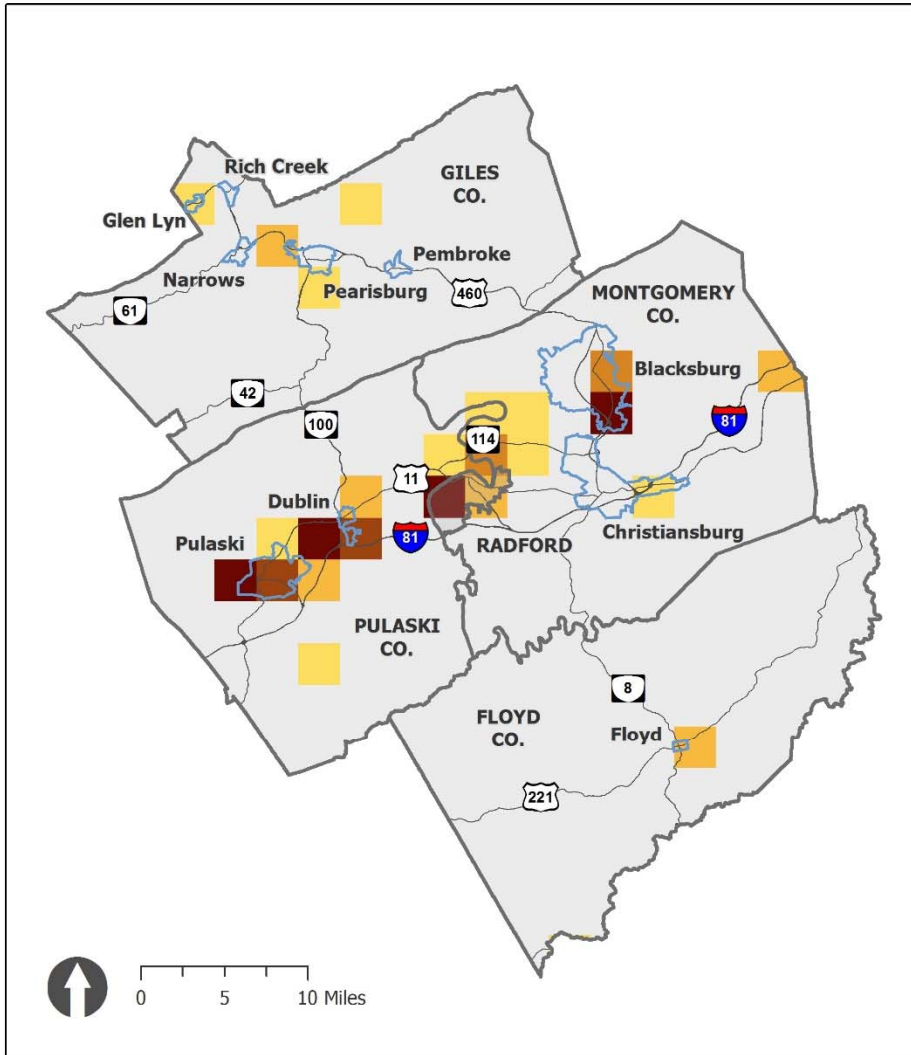
## Current Fire Mitigation and Response

New River Valley

- Fire Station
- ▣ Fire Response District
- Slope 50% or Greater

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; Floyd County; Google Maps; Montgomery County; Pulaski County; U.S. Geological Survey; U.S. Census Bureau; Virginia Department of Fire Programs; Virginia Economic Development Partnership; Virginia Geographic Information Network.

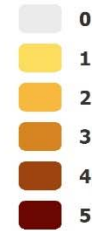
Map 46. Hazardous Materials



### Hazardous Material Sites

New River Valley

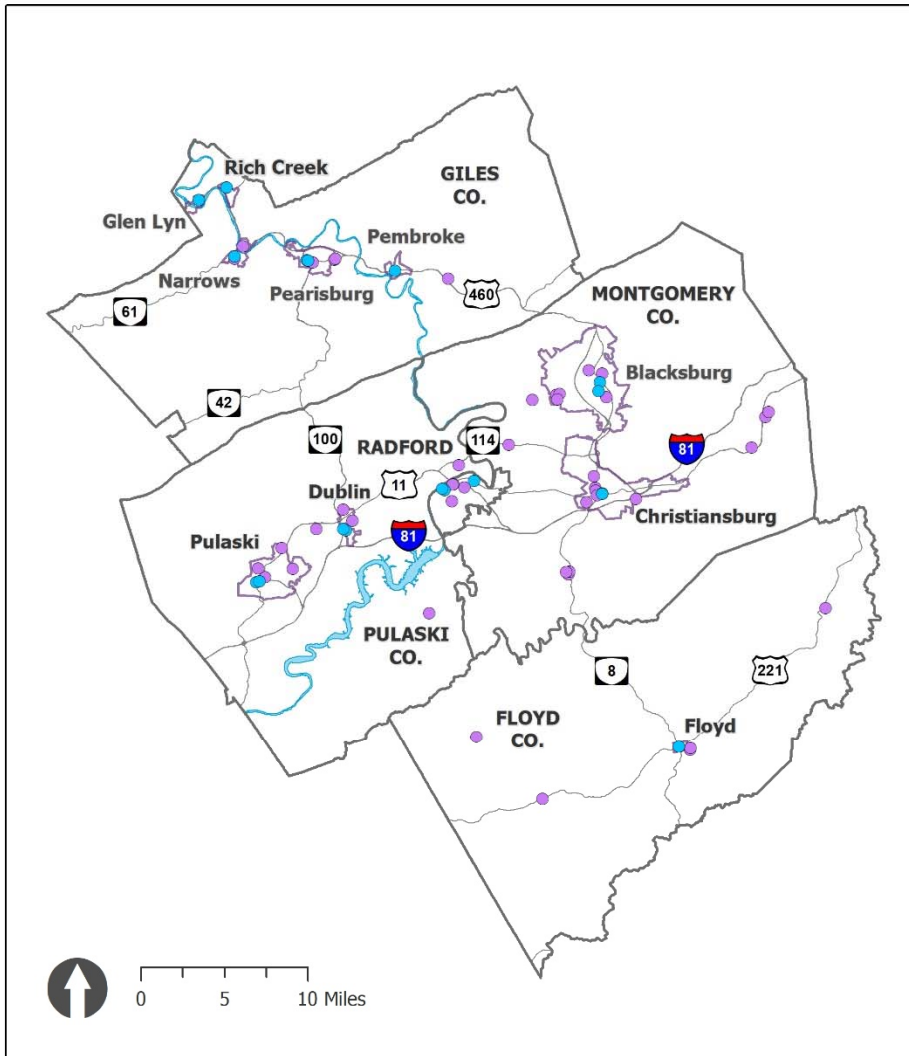
Number of Sites



Source data last updated November 2016.  
Derived from Facility Registry Service data.

Created by NRVRC, 2017. Sources: Esri; U.S. Environmental Protection Agency; U.S. Census Bureau; Virginia Geographic Information Network.

Map 47. Critical Facilities (law enforcement and schools)



## Critical Facilities

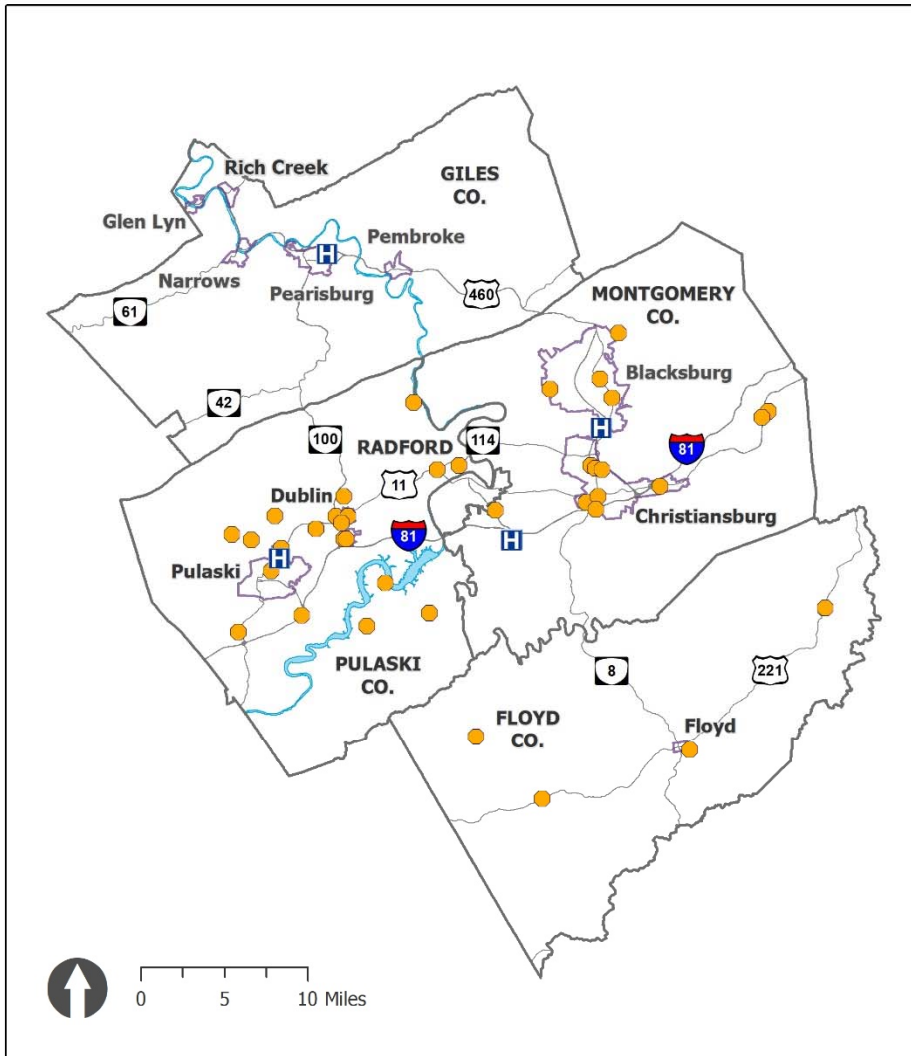
New River Valley

- Law Enforcement
- Public School

Created by NRVRC, 2017. Sources: Federal Emergency Management Agency; New River Criminal Justice Training Academy; U.S. Census Bureau; U.S. Geological Survey; Virginia Department of Education; Virginia Geographic Information Network.



Map 48. Critical Facilities (shelters and hospitals)



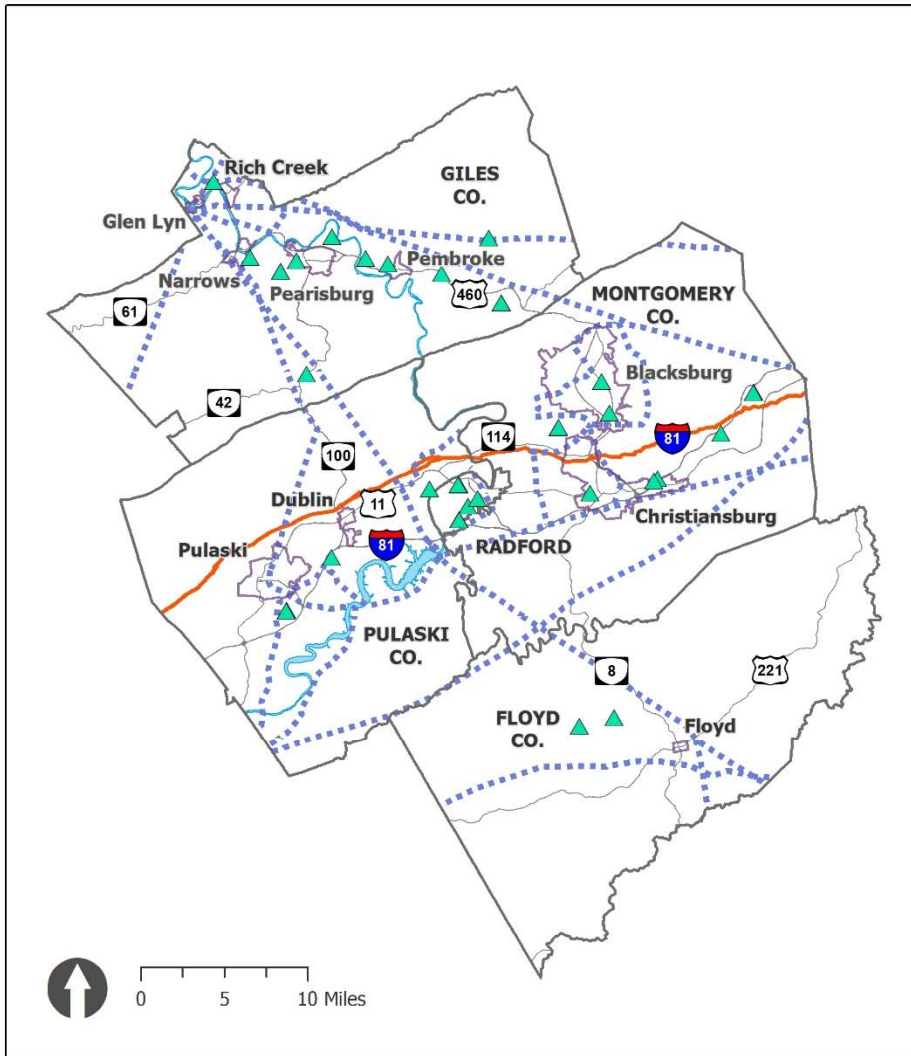
## Critical Facilities

New River Valley

-  Hospital
-  Emergency Shelter

Created by NRVRC, 2017. Sources: Floyd County; Montgomery County; Pulaski County; U.S. Census Bureau; U.S. Geological Survey; Virginia Economic Development Partnership; Virginia Geographic Information Network.

Map 49. Critical Utilities (power and cell towers)



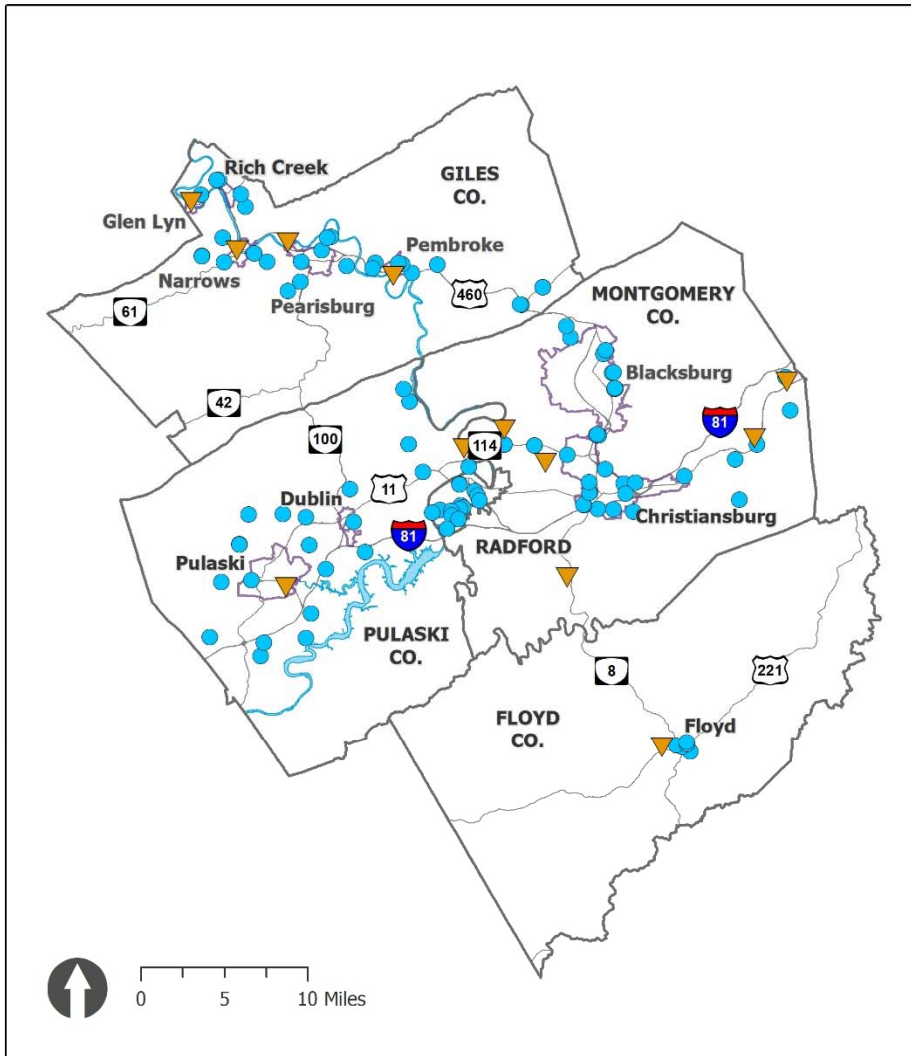
## Critical Utilities

New River Valley

-  Cell Tower
-  Electricity Transmission Line
-  Gas Transmission Pipeline

Created by NRVRC, 2017. Sources: City of Radford; Giles County; Esri; U.S. Census Bureau; U.S. Department of Transportation; U.S. Federal Communications Commission; U.S. Geological Survey; Virginia Economic Development Partnership; Virginia Geographic Information Network.

Map 50. Critical Utilities (water and wastewater)



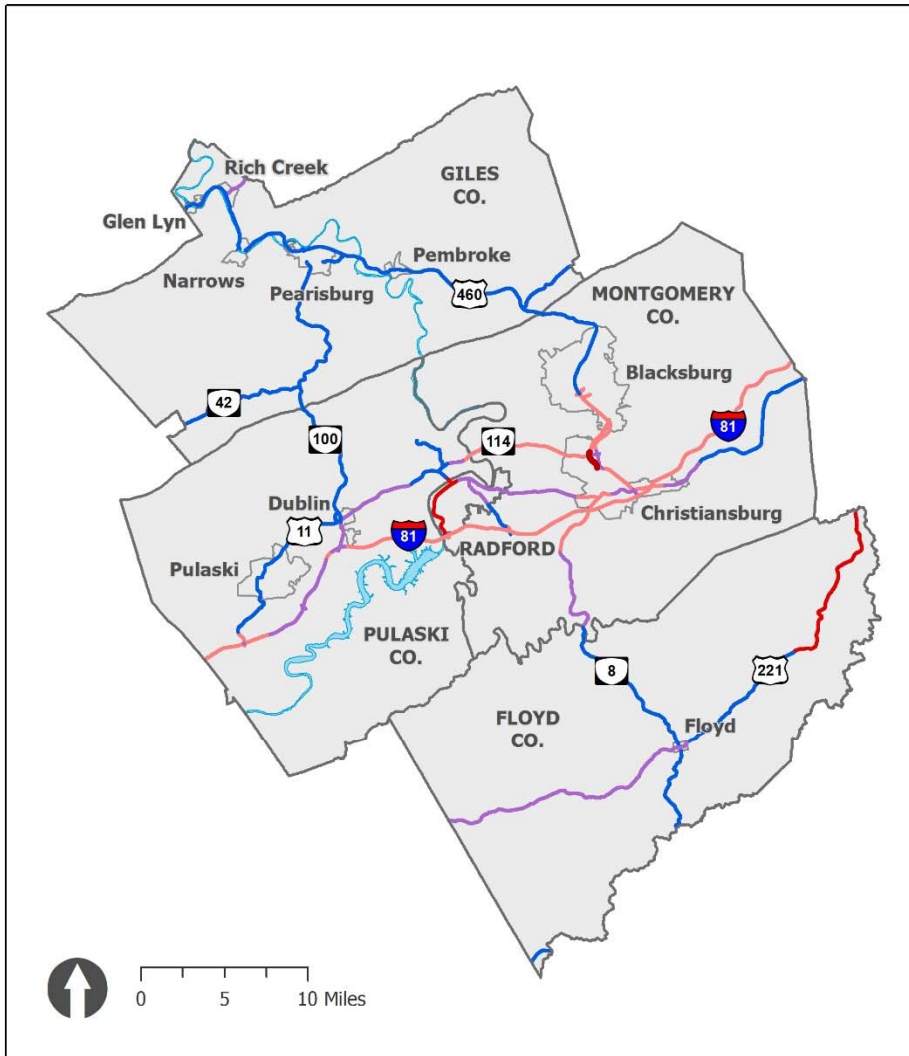
## Critical Utilities

New River Valley

- ▼ Wastewater Treatment Facility
- Potable Water Facility

Created by NRVRC, 2017. Sources: City of Radford; Federal Emergency Management Agency; Giles County; Pulaski County; Town of Christiansburg; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

Map 51. Traffic Volume to Capacity

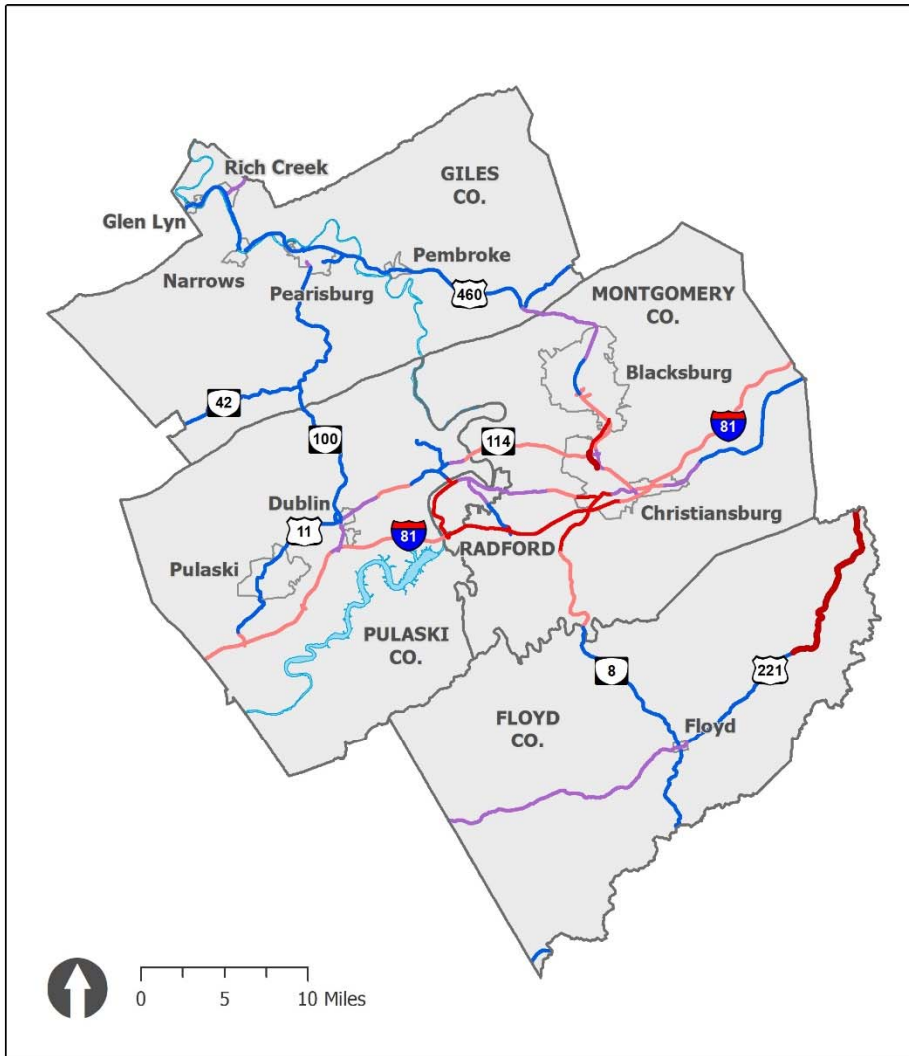


### Traffic Volume to Capacity New River Valley

- Low
- Low-Moderate
- Moderate-High
- High
- Over Capacity

Created by NRVRC, 2017. Sources: U.S. Census Bureau; U.S. Geological Survey; Virginia Department of Transportation; Virginia Geographic Information Network.

Map 52. Forecasted Traffic Volume to Capacity



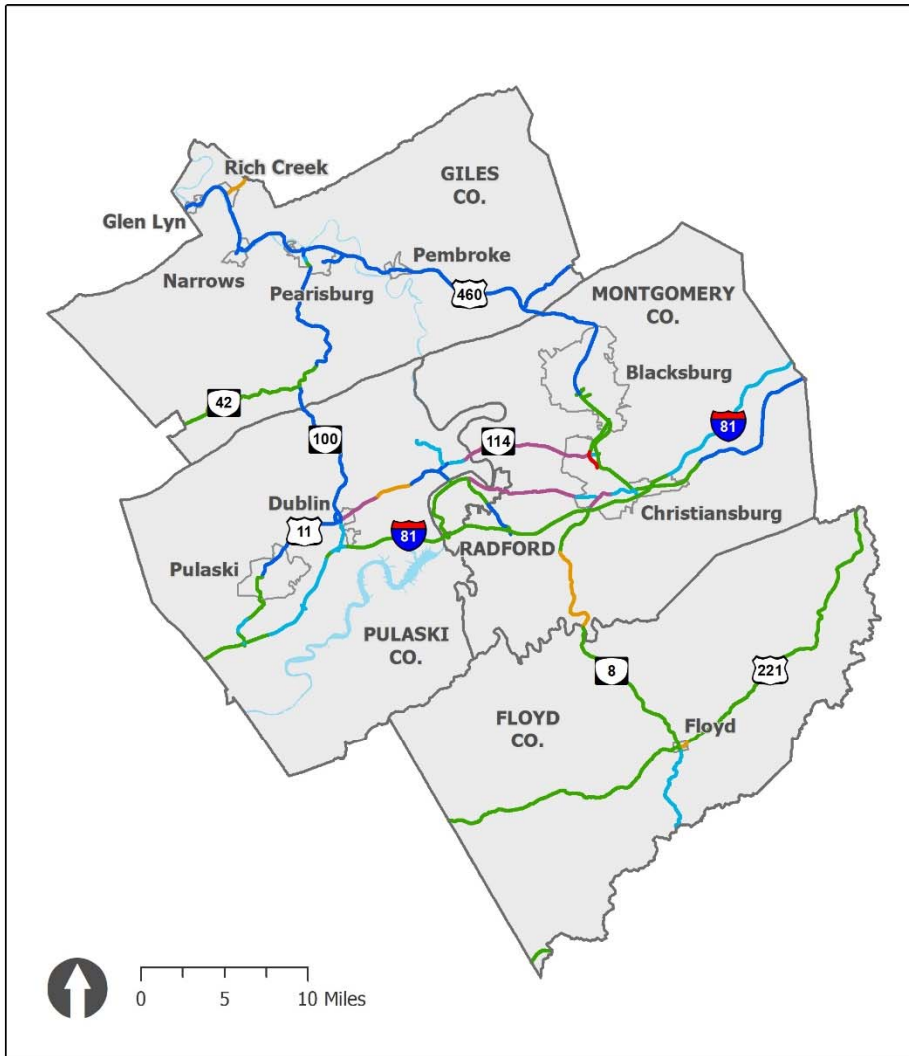
### Traffic Volume to Capacity New River Valley

Forecasted Volume to Capacity for 2025

- Low
- Low-Moderate
- Moderate-High
- High
- Over Capacity

Created by NRVRC, 2017. Sources: U.S. Census Bureau; U.S. Geological Survey; Virginia Department of Transportation; Virginia Geographic Information Network.

Map 53. Level of Service for Principal Travel Corridors



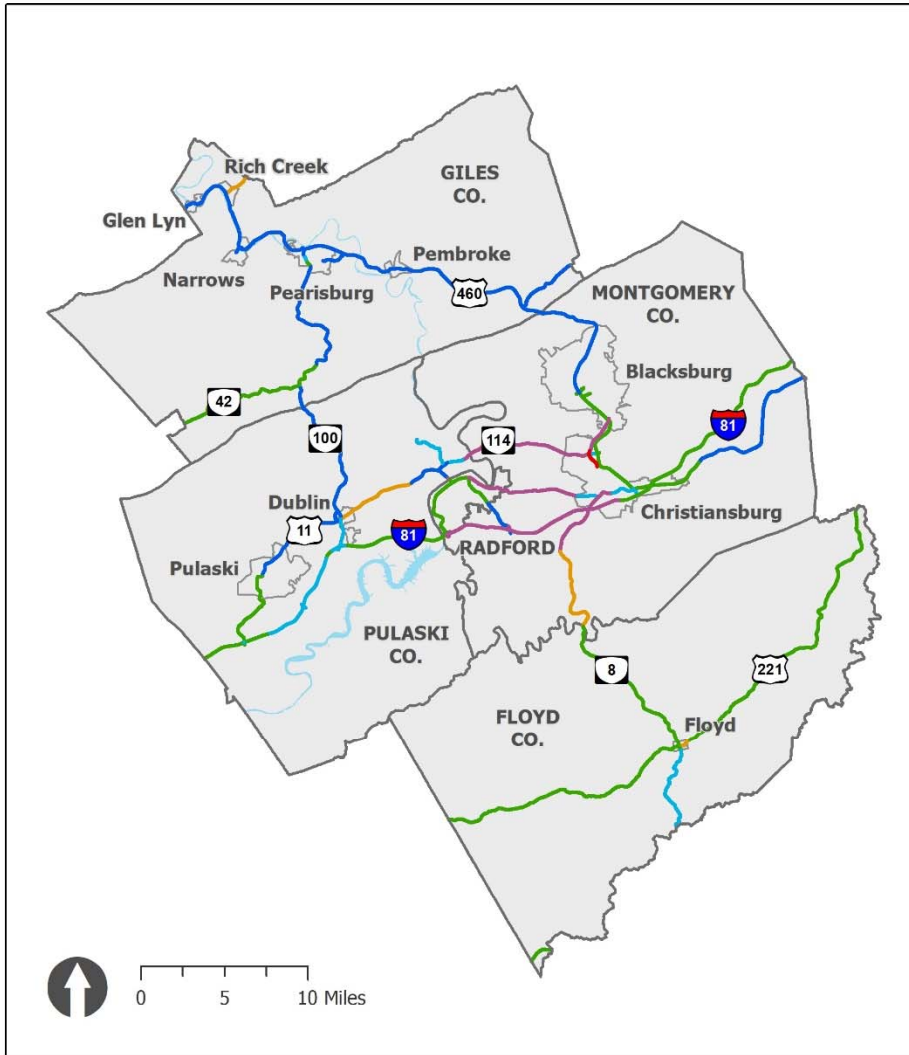
### Level of Service

New River Valley

-  A
-  B
-  C
-  D
-  E
-  F

Created by NRVRC, 2017. Sources: U.S. Census Bureau; U.S. Geological Survey; Virginia Department of Transportation; Virginia Geographic Information Network.

Map 54. Level of Service Forecast for Principal Travel Corridors



### Level of Service

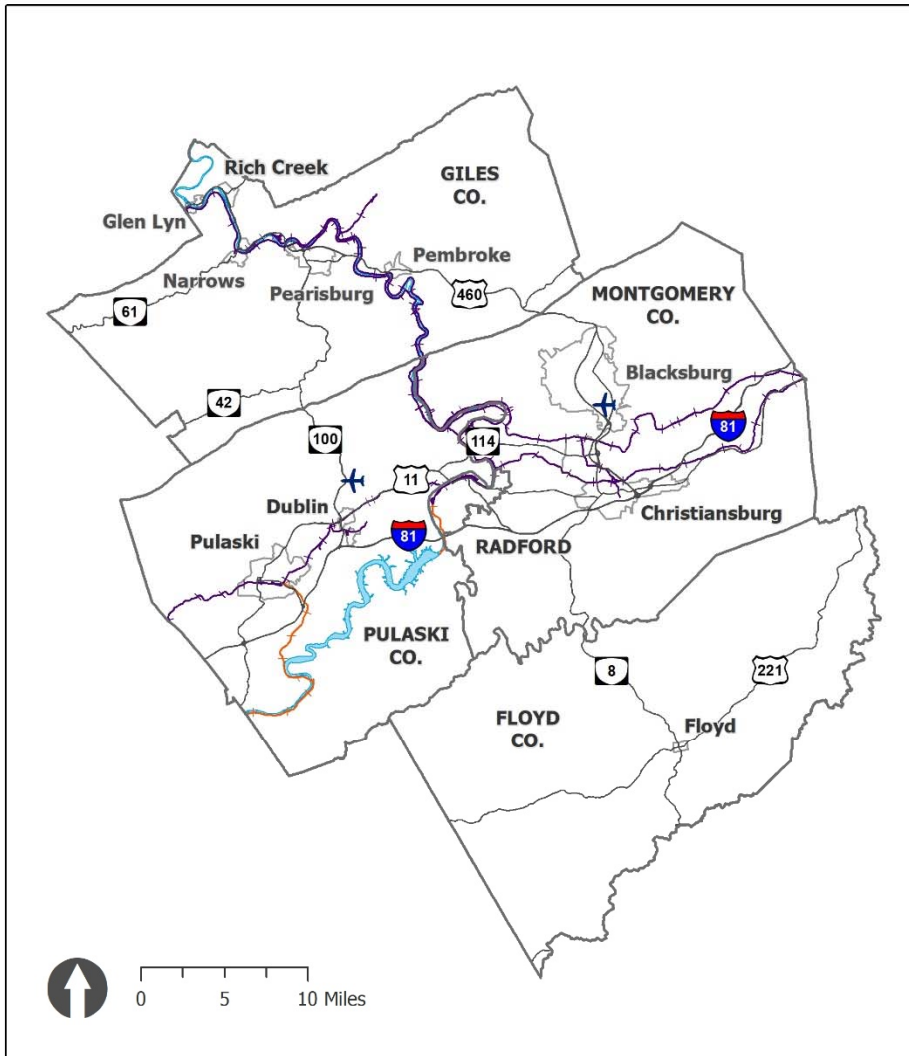
New River Valley

Forecasted LOS for 2025

- A
- B
- C
- D
- E
- F

Created by NRVRC, 2017. Sources: U.S. Census Bureau; U.S. Geological Survey; Virginia Department of Transportation; Virginia Geographic Information Network.

## Map 55. Transportation Infrastructure



### Transportation Infrastructure

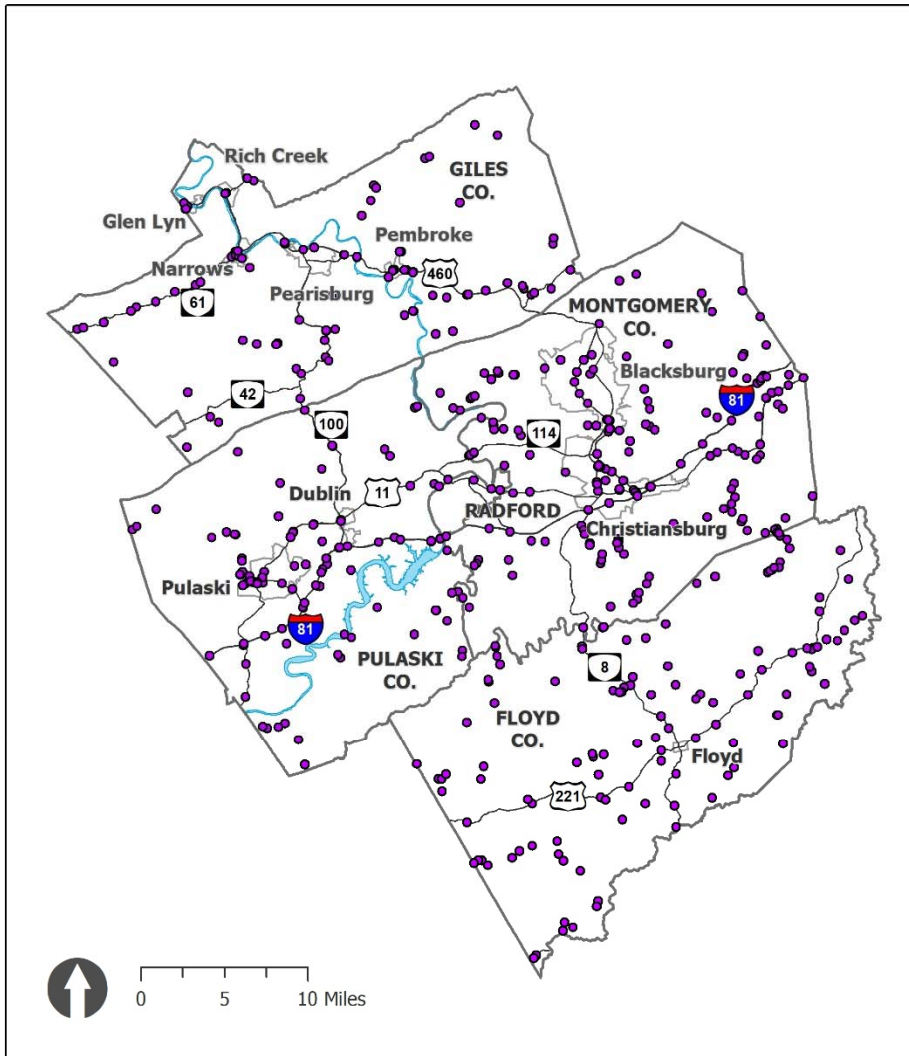
New River Valley

-  Primary Road
-  Active Rail
-  Non-Active Rail
-  Airport

Created by NRVRC, 2017. Sources: Federal Railroad Administration; U.S. Census Bureau; U.S. Geological Survey; Virginia Department of Rail and Public Transportation; Virginia Geographic Information Network.



Map 56. Traffic Bridges in the NRV



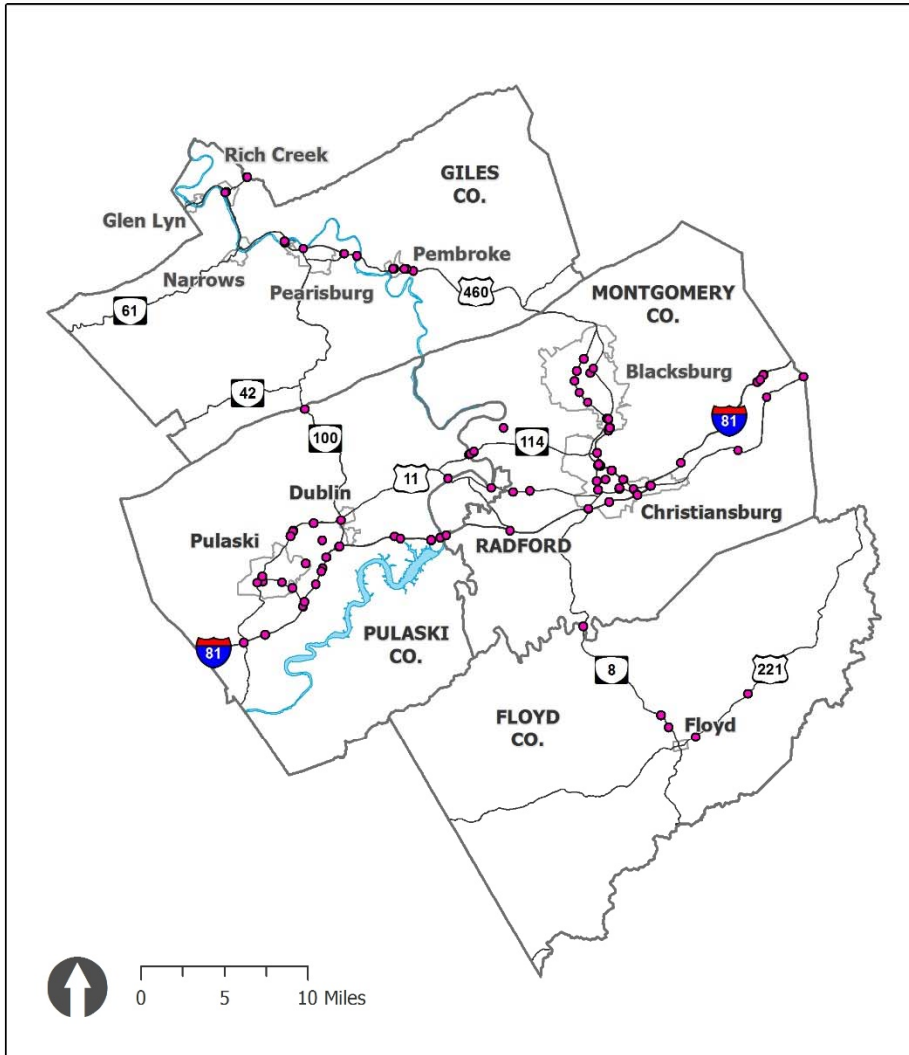
## Bridges New River Valley

• Vehicular Bridge

Only bridges that are at least 20 feet in length are displayed.

Created by NRVRC, 2017. Sources: Federal Highway Administration; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.

Map 57. High Volume Traffic Bridges



## High Volume Traffic Bridges

New River Valley

Bridges with an Average Daily Traffic of 5,000 or More

• Vehicular Bridge

Only bridges that are at least 20 feet in length are displayed.

Created by NRVRC, 2017. Sources: Federal Highway Administration; U.S. Census Bureau; U.S. Geological Survey; Virginia Geographic Information Network.