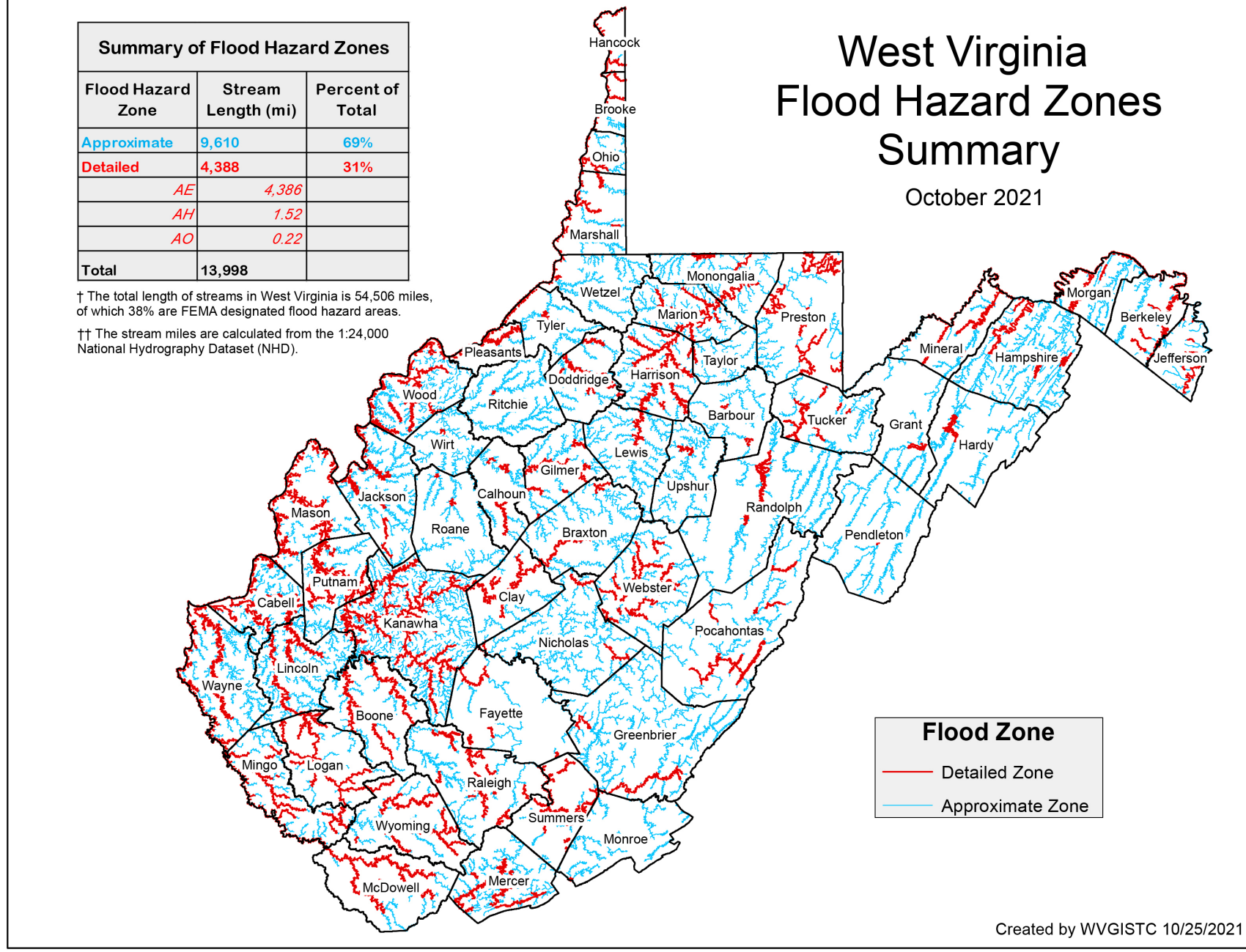
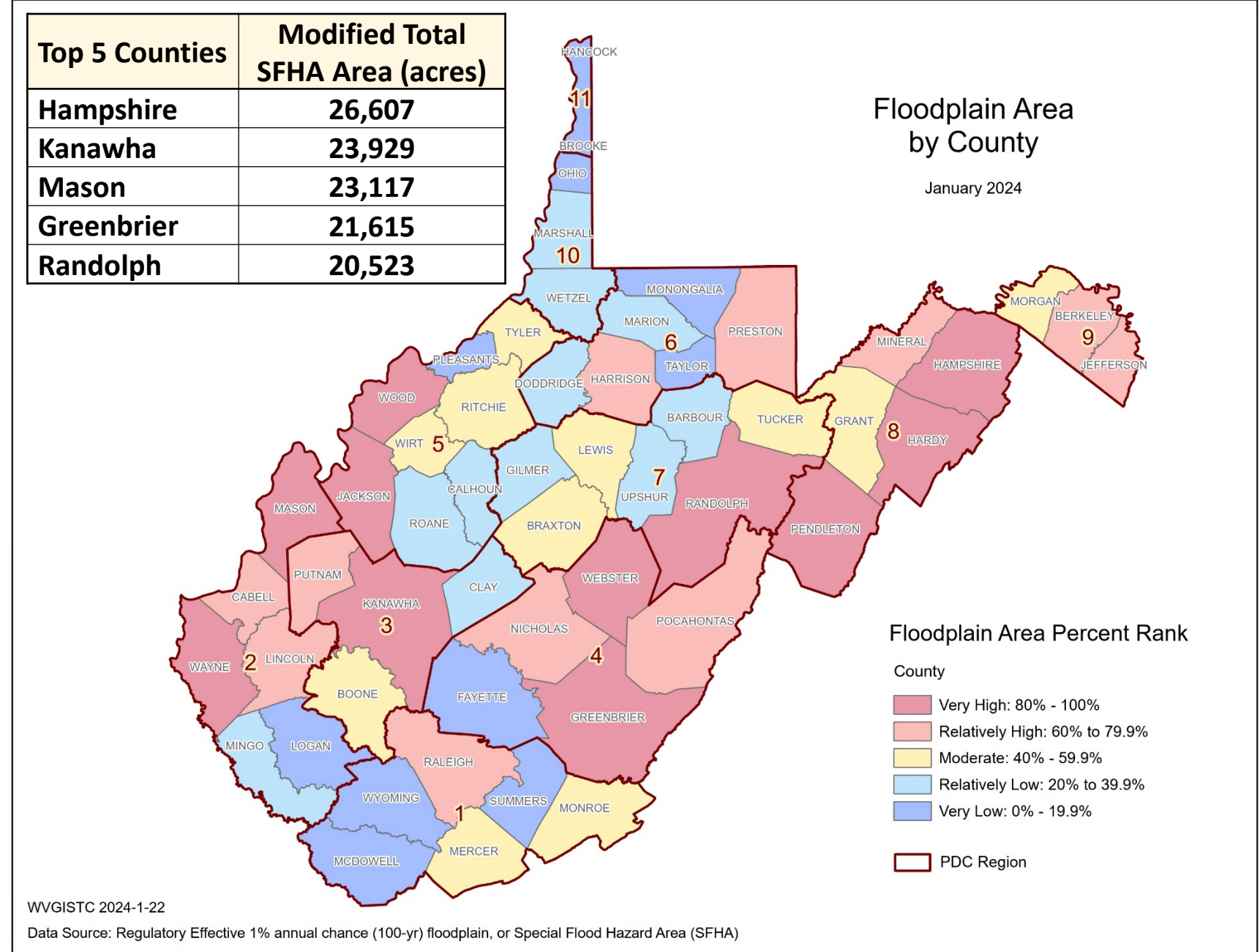


## Flood Hazard Risk

31% of the state has mapped Detailed Flood Zones containing 65% of the buildings in Regulatory Floodplains



Total Modified Area of Regulatory Floodplains (aSFHA) in West Virginia, excluding large open water lakes (> 10 acres), large rivers (bank-to-bank > 500 ft.), and federal lands (> 10 acres): 528,635 acres (3.4% of the State's Area)

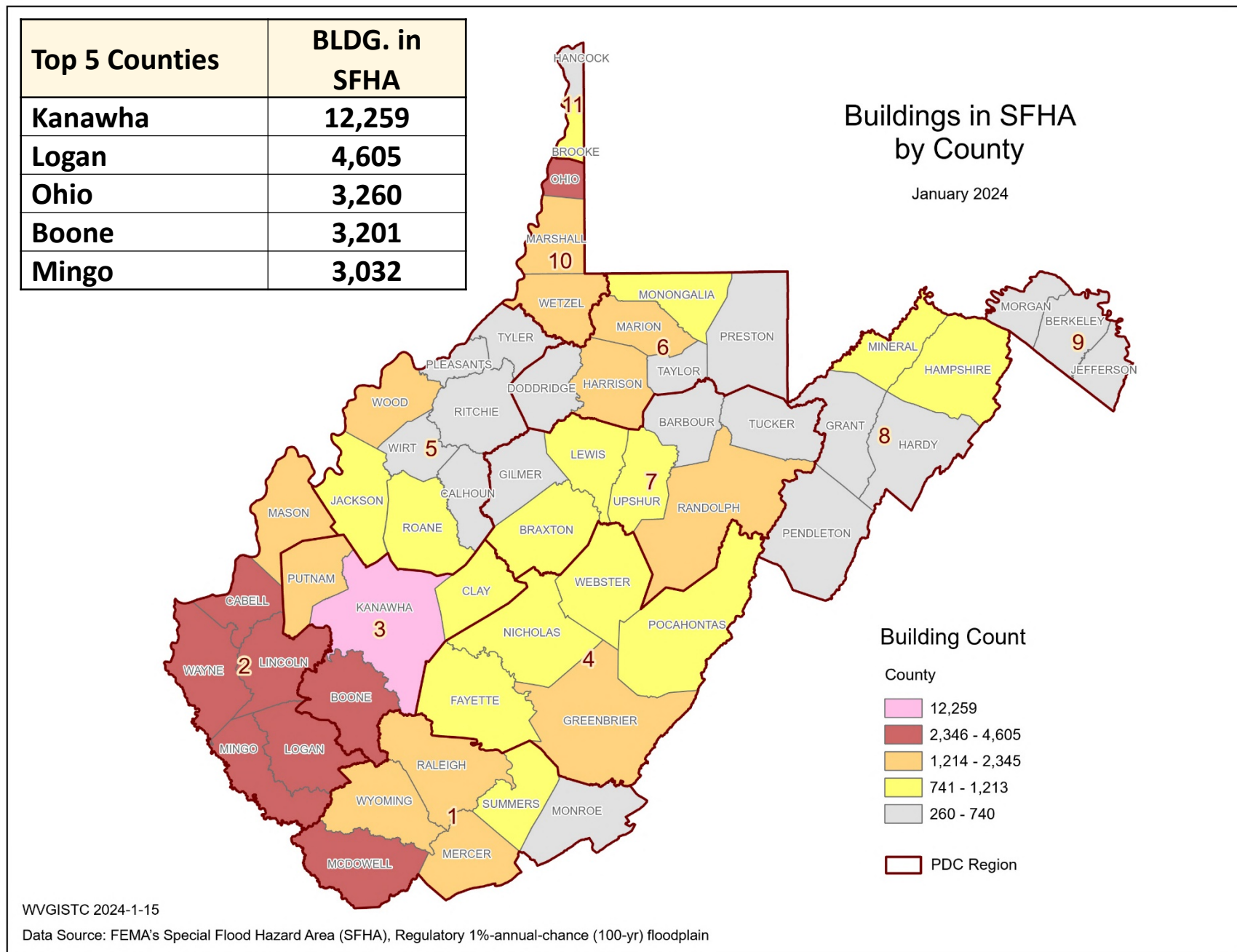


32 Federally-Declared Flood Disasters in West Virginia since 1953

## Structure Risk

### Building Counts / Ratios

- Structures in Regulatory Floodplain (SFHA): **83,556 (8.2% Bldgs. in WV)**
- Structures in High-Risk Advisory Zones: **13,503**
- Structures in All High-Risk Floodplains: **97,059 (9.6% of Bldgs. in WV)**
- Buildings in High-Risk Floodway: **8,239 (9.9% of SFHA Bldgs.)**
- Structures in Estimated Depths of Greater than 10 ft: **2,015**



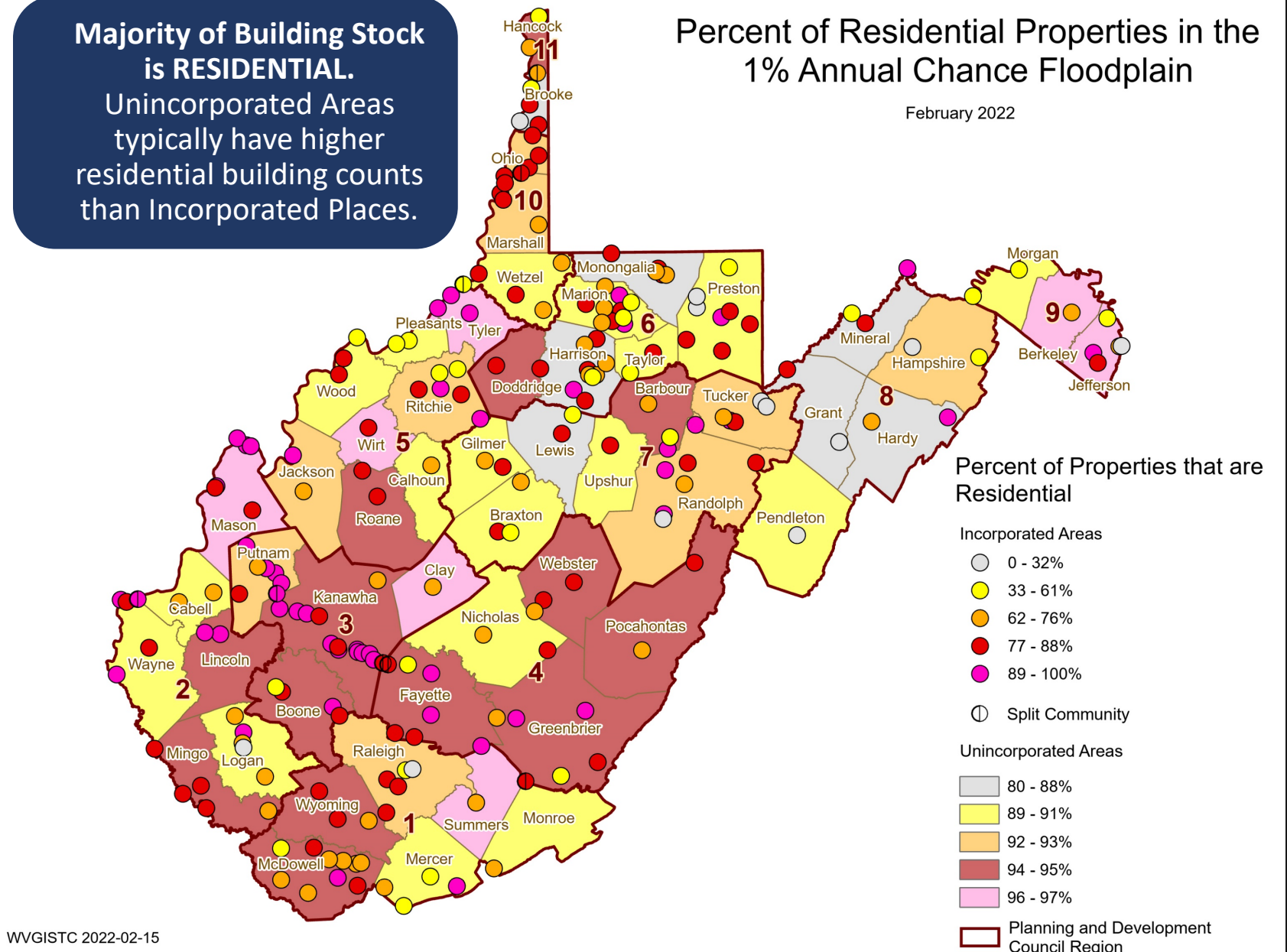
### Building Types / Value

- Total Building Value in Floodplain: **\$10,473M**
- Exposed Residential Count Ratio: **88.6%**
- Residential Value in Floodplain: **\$4,324M (41.3%)**
- High-Value (> 1M) Residential Count: **36**
- Non-Residential Value in Floodplain: **\$6,149M**



- ### Building Year / New Construction
- Pre-FIRM in Floodplain Ratio: **73.7%**
  - Post-FIRM in Floodplain Ratio: **26.3%**

- ### Transportation Infrastructure
- Inundated Roads: **2,550 miles (6.4%)**
  - Flood Depth > 3 ft: **1,267 miles**



### Vulnerable Structures

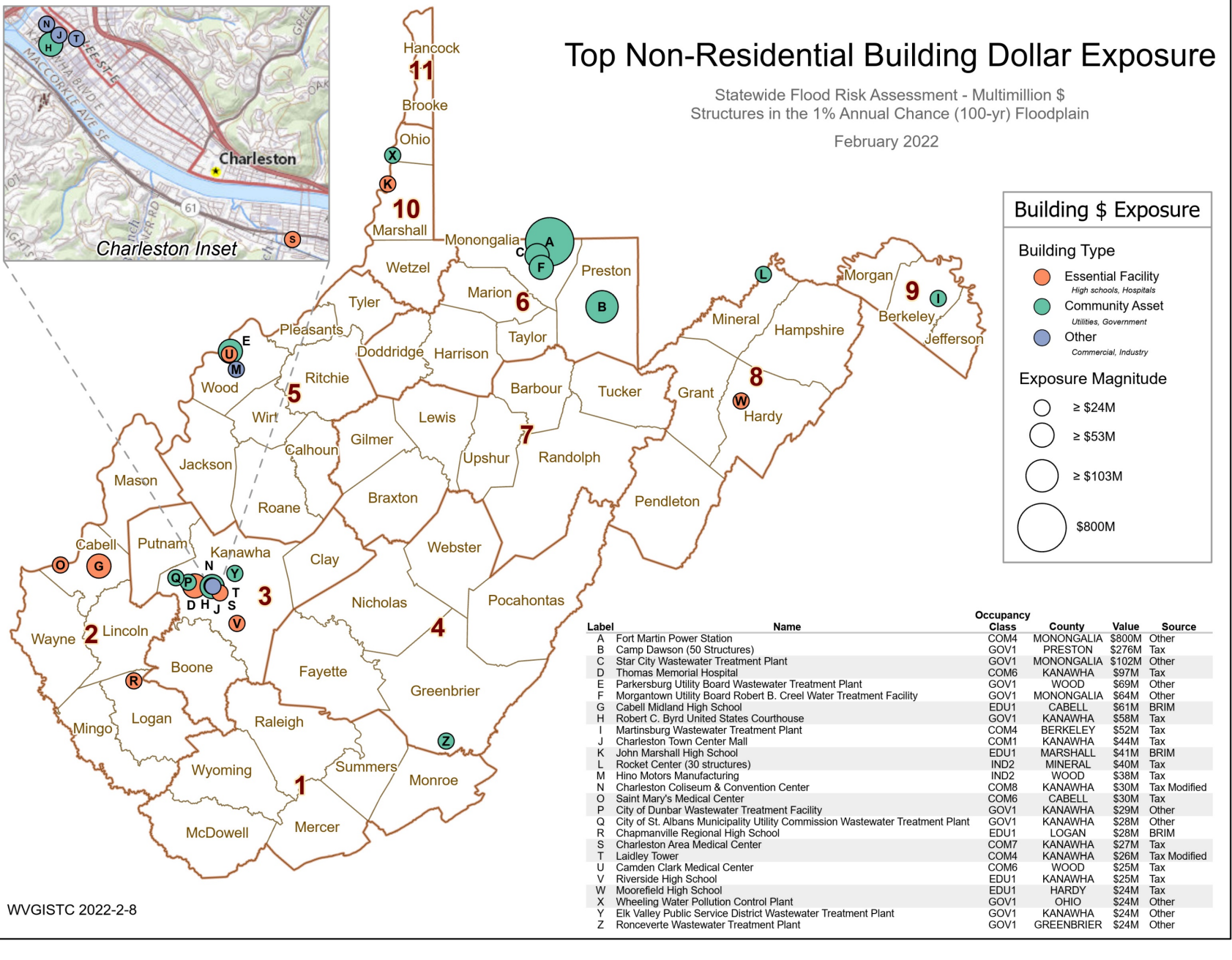
- Manufactured Homes in Floodplain: **23,329 (24%)**
- Floodplain Buildings with Basements Ratio: **27.9%**
- One-Story Floodplain Residential Buildings Ratio: **75.4%**
- Renter-Occupied Housing in Floodplain Ratio: **26.6%**
- Low-Value (< \$10K) Floodplain Buildings Ratio: **7.4%**

### Physical Damage Estimates

- Total Estimated Building Loss: **\$854.6M (8.2% of Exposure Value)**
- Substantial Damage Buildings: **6,587 (6.8% of Floodplain Bldgs.)**

### Significant Structures

- Floodplain Essential Facilities: **491 (25.6% in WV)** (K 12 Schools, 911 Centers, Police/Fire Depts., Hospitals, Nursing Homes)
- Floodplain Non-Hist. Community Assets: **2,116** (Religious, government, utility, EMS, postsecondary educational)
- Floodplain Historical Community Assets: **3,159** (National Register, in historic districts before 1930)



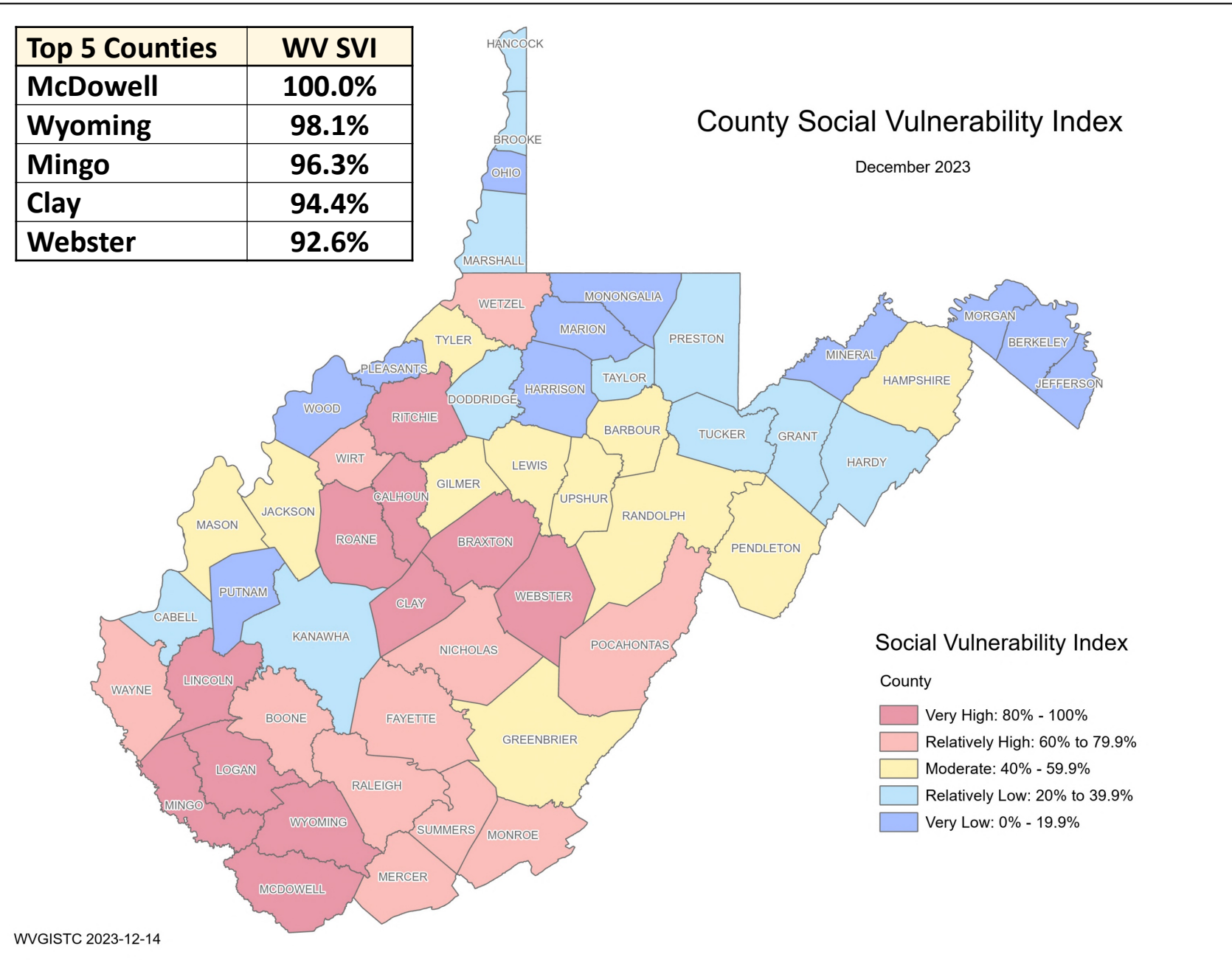
## People / Social Risk

### Social Vulnerability Index (WV SVI)

(0% to 100%)

Combines indicators of:

- Poverty Rate
- Unemployment Rate
- Vulnerable Ages Rate
- Disability Rate
- Population without a High School Diploma
- Population Change
- Median Housing Unit Value
- Percentage of Mobile Homes in Housing Units



### Human Exposure

- Population Residing in High-Risk Floodplains: **200,255 (11.1% of WV population)**

### Human Impacts

- Population Displaced: **118,856 (6.6% of WV population)**
- Short-Term Shelter Population: **22,930 (5,697 Companion Pets)**

### 2016 Flood Fatalities

- 23 Victims**
- Three younger than 15 yrs.
- Eleven 15 to 64 yrs.
- Nine over 65 yrs.
- Five with Health Conditions or Disabilities
- Nine Risky Behavior