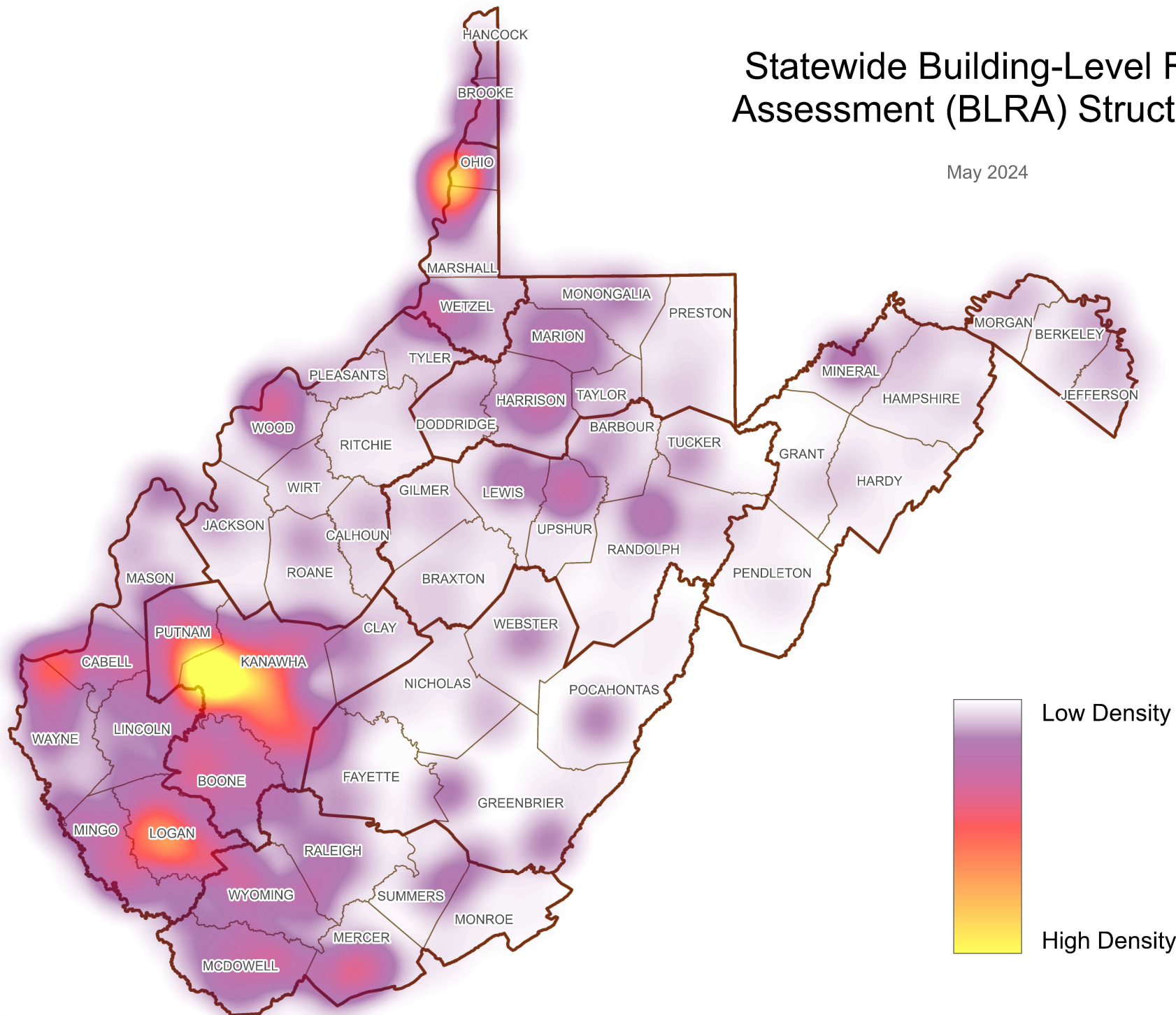


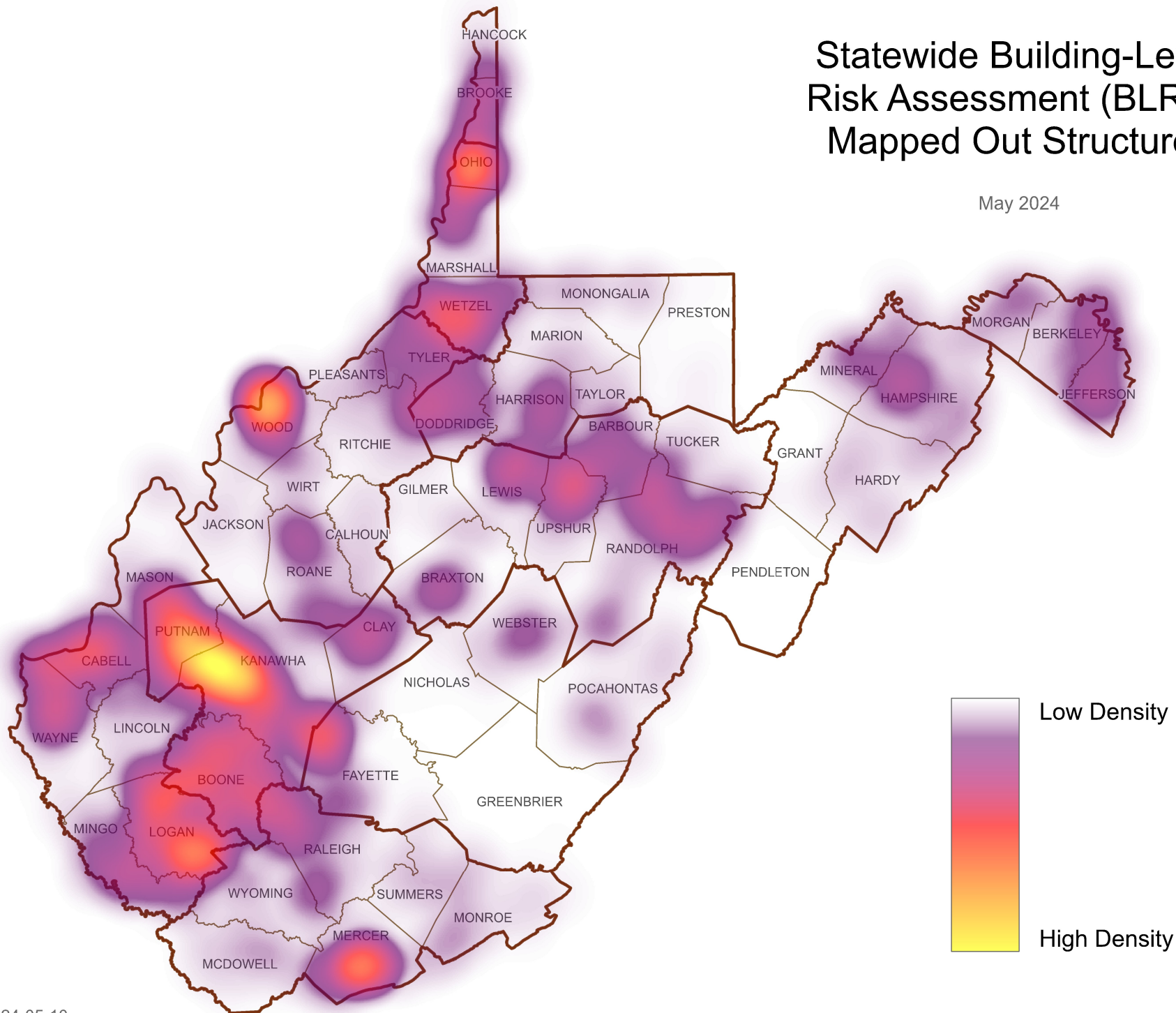
# Statewide Building-Level Risk Assessment (BLRA) Structures

May 2024



# Statewide Building-Level Risk Assessment (BLRA): Mapped Out Structures

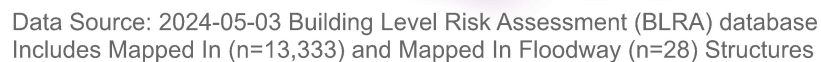
May 2024





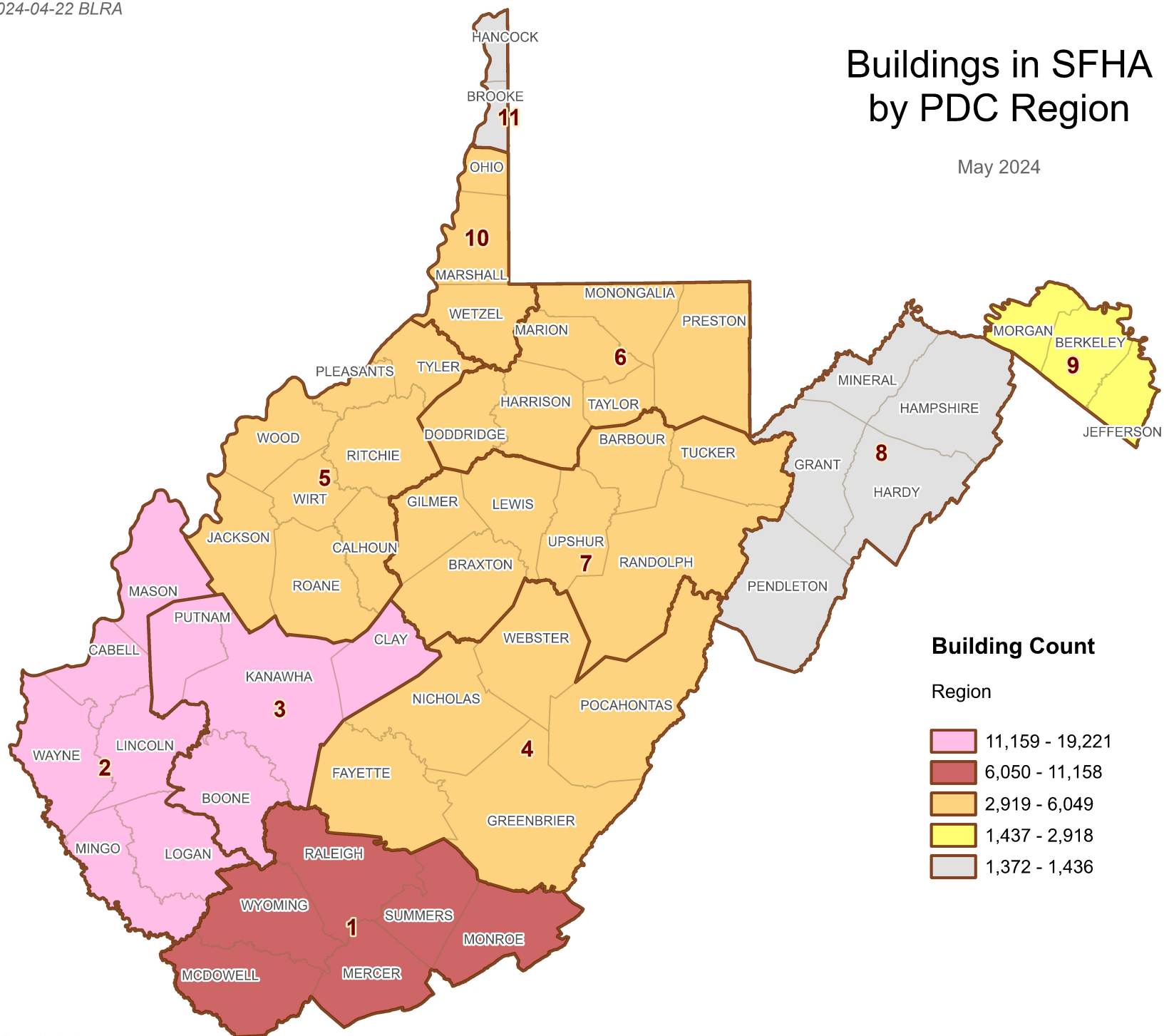
## May 2024

May 2024



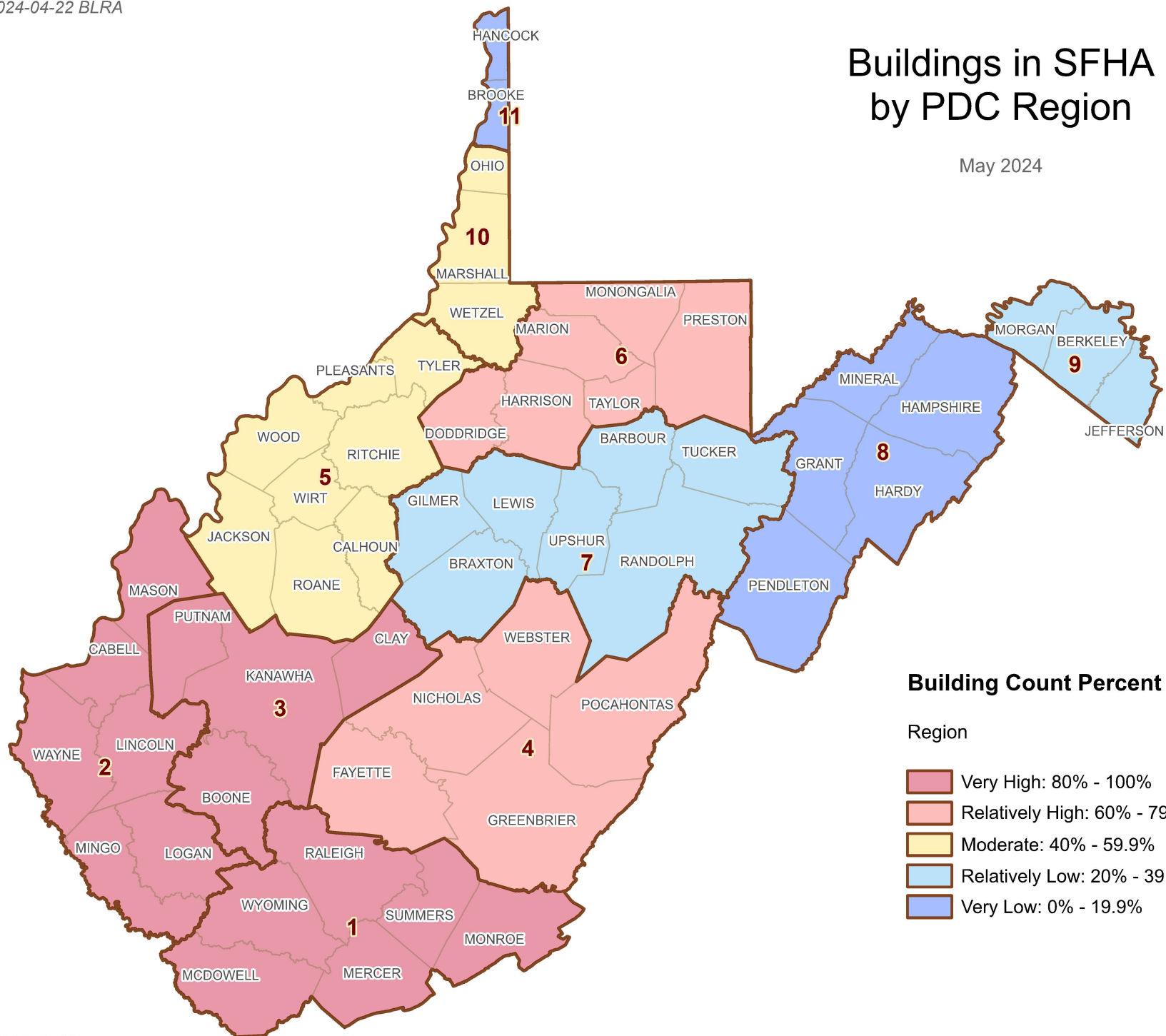
# Buildings in SFHA by PDC Region

May 2024



# Buildings in SFHA by PDC Region

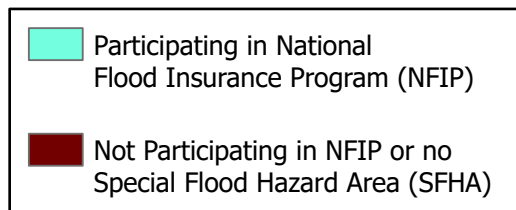
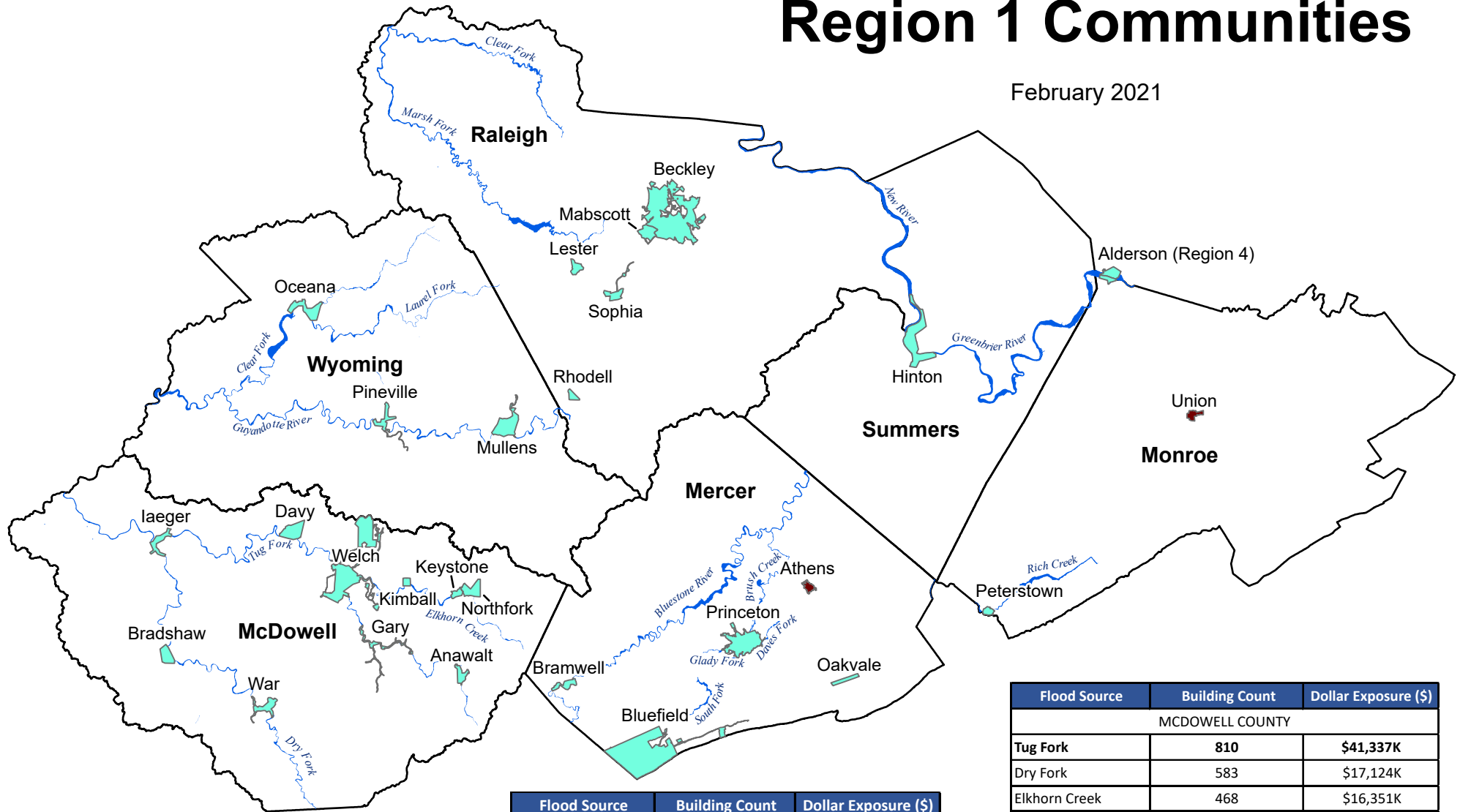
May 2024





# Region 1 Communities

February 2021



| Flood Source      | Building Count | Dollar Exposure (\$) |
|-------------------|----------------|----------------------|
| MERCER COUNTY     |                |                      |
| Bluestone River   | 293            | \$14,016K            |
| South Fork        | 280            | \$17,067K            |
| Brush Creek       | 248            | \$47,440K            |
| Daves Fork        | 180            | \$12,357K            |
| Glady Fork        | 112            | \$24,839K            |
| MONROE COUNTY     |                |                      |
| Greenbrier River* | 116            | \$5,934K             |
| Rich Creek        | 65             | \$4,238K             |

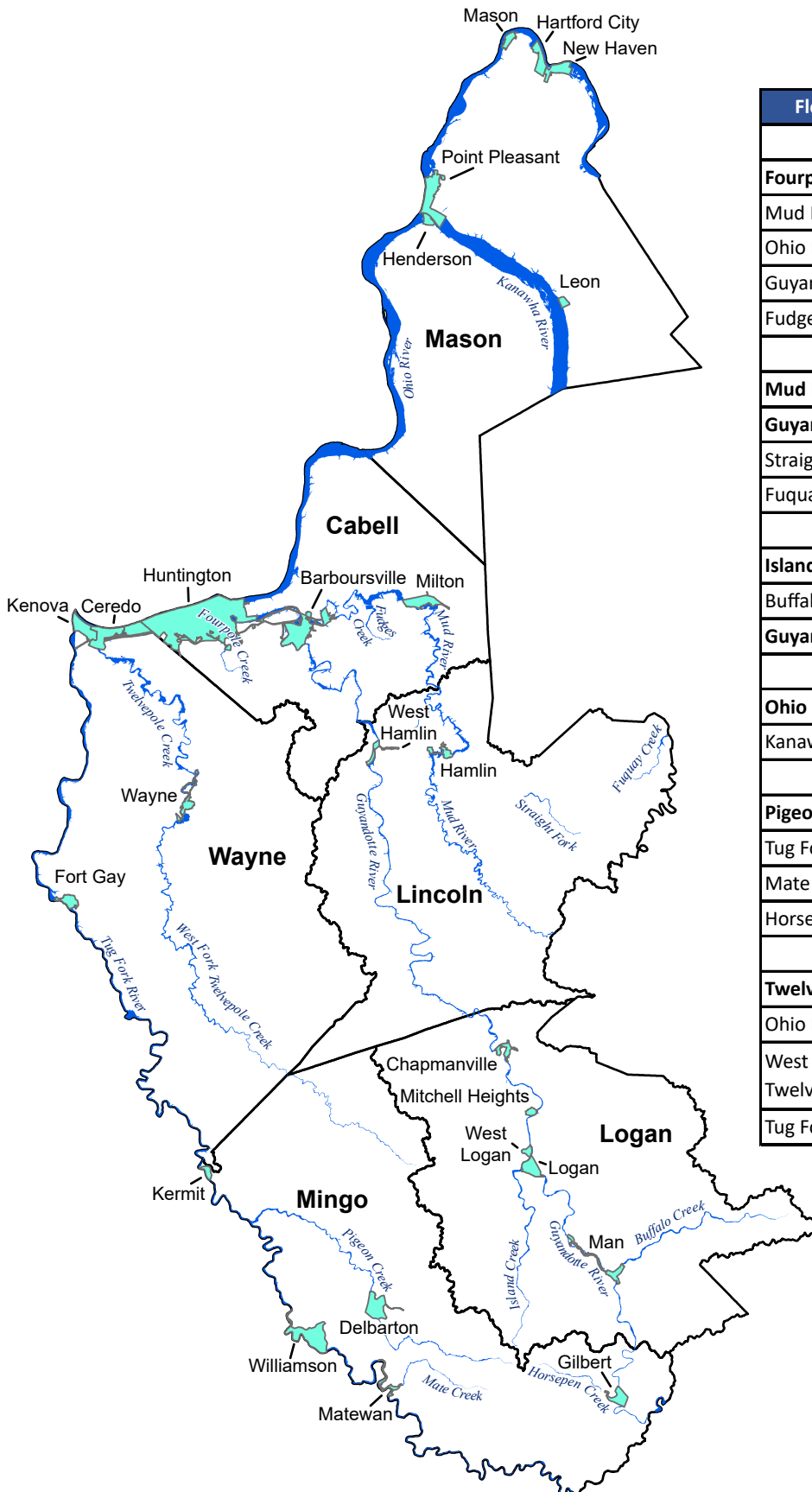
| Flood Source     | Building Count | Dollar Exposure (\$) |
|------------------|----------------|----------------------|
| MCDOWELL COUNTY  |                |                      |
| Tug Fork         | 810            | \$41,337K            |
| Dry Fork         | 583            | \$17,124K            |
| Elkhorn Creek    | 468            | \$16,351K            |
| RALEIGH COUNTY   |                |                      |
| Marsh Fork       | 430            | \$21,823K            |
| Clear Fork       | 351            | \$12,514K            |
| SUMMERS COUNTY   |                |                      |
| Greenbrier River | 681            | \$31,287K            |
| New River        | 128            | \$14,733K            |
| WYOMING COUNTY   |                |                      |
| Clear Fork       | 650            | \$30,720K            |
| Guyandotte River | 568            | \$28,910K            |
| Laurel Fork      | 256            | \$16,901K            |

\* 2016 Disaster Restudy

WVGISTC 15 February 2021

# Region 2 Communities

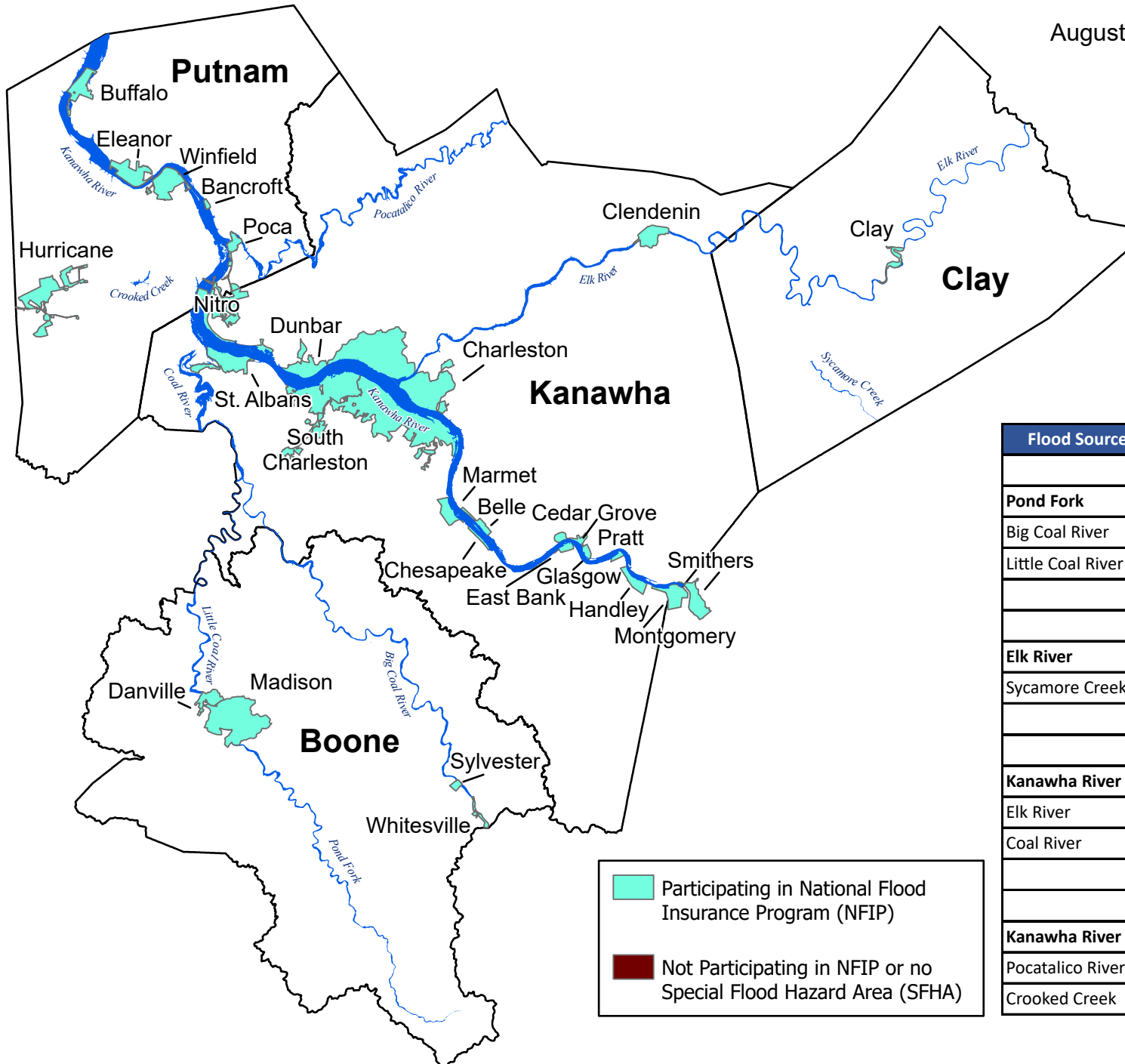
August 2021



| Flood Source               | Building Count | Dollar Exposure (\$) |
|----------------------------|----------------|----------------------|
| CABELL COUNTY              |                |                      |
| <b>Fourpole Creek</b>      | <b>768</b>     | <b>\$115,124K</b>    |
| Mud River                  | 747            | \$86,570K            |
| Ohio River                 | 407            | \$81,613K            |
| Guyandotte River           | 323            | \$30,332K            |
| Fudges Creek               | 79             | \$70,364K            |
| LINCOLN COUNTY             |                |                      |
| <b>Mud River</b>           | <b>389</b>     | <b>\$14,472K</b>     |
| <b>Guyandotte River</b>    | <b>127</b>     | <b>\$16,554K</b>     |
| Straight Fork              | 109            | \$14,442K            |
| Fuquay Creek               | 106            | \$9,610K             |
| LOGAN COUNTY               |                |                      |
| <b>Island Creek</b>        | <b>1,112</b>   | <b>\$53,839K</b>     |
| Buffalo Creek              | 944            | \$40,951K            |
| <b>Guyandotte River</b>    | <b>322</b>     | <b>\$76,154K</b>     |
| MASON COUNTY               |                |                      |
| <b>Ohio River</b>          | <b>894</b>     | <b>\$47,933K</b>     |
| Kanawha River              | 160            | \$9,059K             |
| MINGO COUNTY               |                |                      |
| <b>Pigeon Creek</b>        | <b>878</b>     | <b>\$57,541K</b>     |
| Tug Fork River             | 436            | \$44,558K            |
| Mate Creek                 | 236            | \$14,156K            |
| Horsepen Creek             | 76             | \$14,915K            |
| WAYNE COUNTY               |                |                      |
| <b>Twelvepole Creek</b>    | <b>732</b>     | <b>\$81,785K</b>     |
| Ohio River                 | 399            | \$60,422K            |
| West Fork Twelvepole Creek | 313            | \$15,127K            |
| Tug Fork River             | 223            | \$37,707K            |

# Region 3 Communities

August 2021



| Flood Source      | Building Count | Dollar Exposure (\$) |
|-------------------|----------------|----------------------|
| BOONE COUNTY      |                |                      |
| Pond Fork         | 951            | \$58,780K            |
| Big Coal River    | 868            | \$54,011K            |
| Little Coal River | 427            | \$49,402K            |
| CLAY COUNTY       |                |                      |
| Elk River         | 493            | \$35,817K            |
| Sycamore Creek    | 91             | \$3,158K             |
| KANAWHA COUNTY    |                |                      |
| Kanawha River     | 5,277          | \$1,186,012K         |
| Elk River         | 1,320          | \$143,532K           |
| Coal River        | 844            | \$69,400K            |
| PUTNAM COUNTY     |                |                      |
| Kanawha River     | 1,261          | \$430,838K           |
| Pocatalico River  | 309            | \$21,728K            |
| Crooked Creek     | 189            | \$26,224K            |



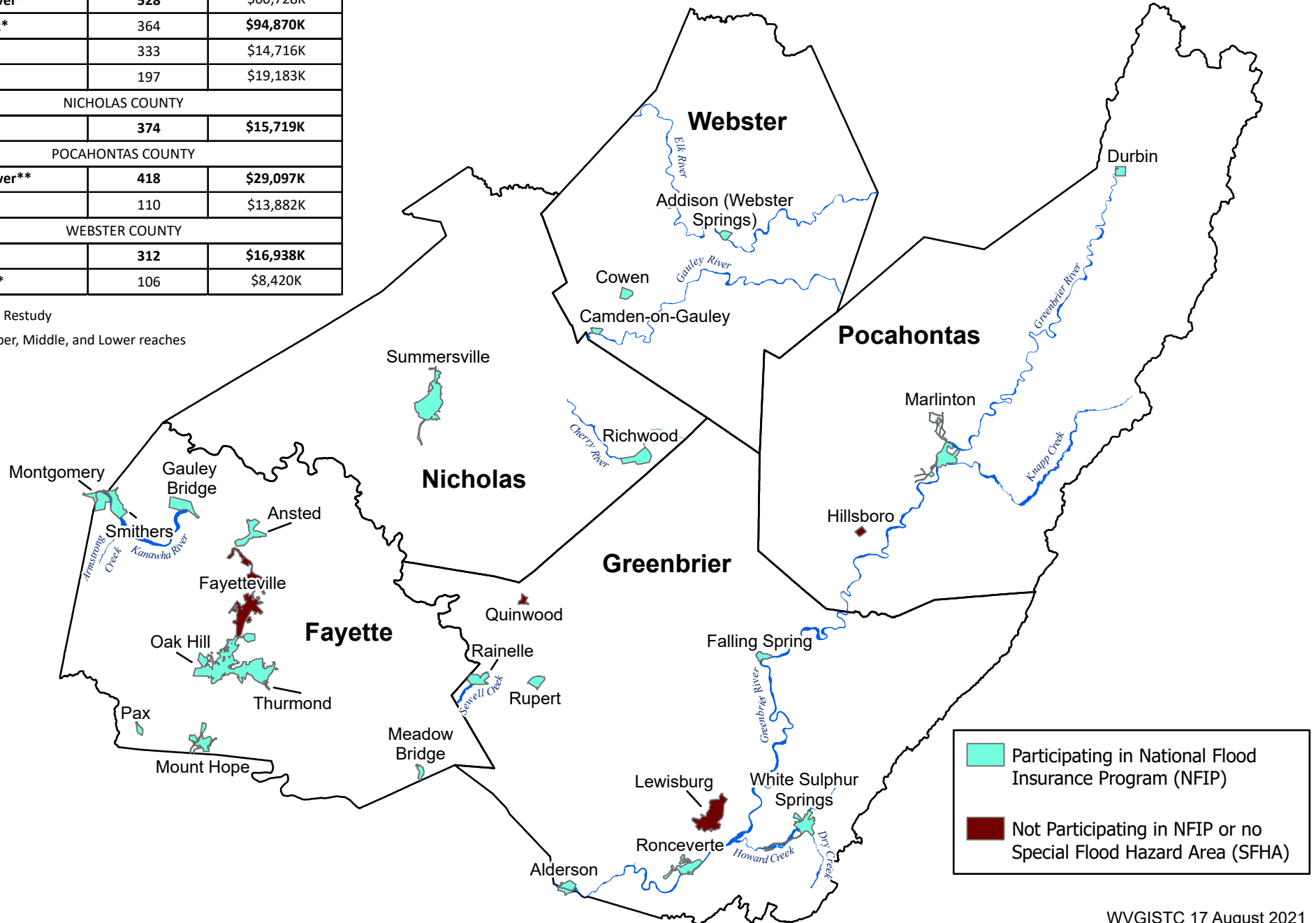
# Region 4 Communities

August 2021

| Flood Source       | Building Count | Dollar Exposure (\$) |
|--------------------|----------------|----------------------|
| FAYETTE COUNTY     |                |                      |
| Armstrong Creek    | 275            | \$11,334K            |
| Kanawha River      | 242            | \$46,459K            |
| GREENBRIER COUNTY  |                |                      |
| Greenbrier River*  | 528            | \$60,728K            |
| Howard Creek*      | 364            | \$94,870K            |
| Sewell Creek*      | 333            | \$14,716K            |
| Dry Creek          | 197            | \$19,183K            |
| NICHOLAS COUNTY    |                |                      |
| Cherry River*      | 374            | \$15,719K            |
| POCAHONTAS COUNTY  |                |                      |
| Greenbrier River** | 418            | \$29,097K            |
| Knapp Creek        | 110            | \$13,882K            |
| WEBSTER COUNTY     |                |                      |
| Elk River          | 312            | \$16,938K            |
| Gauley River**     | 106            | \$8,420K             |

\* 2016 Disaster Restudy

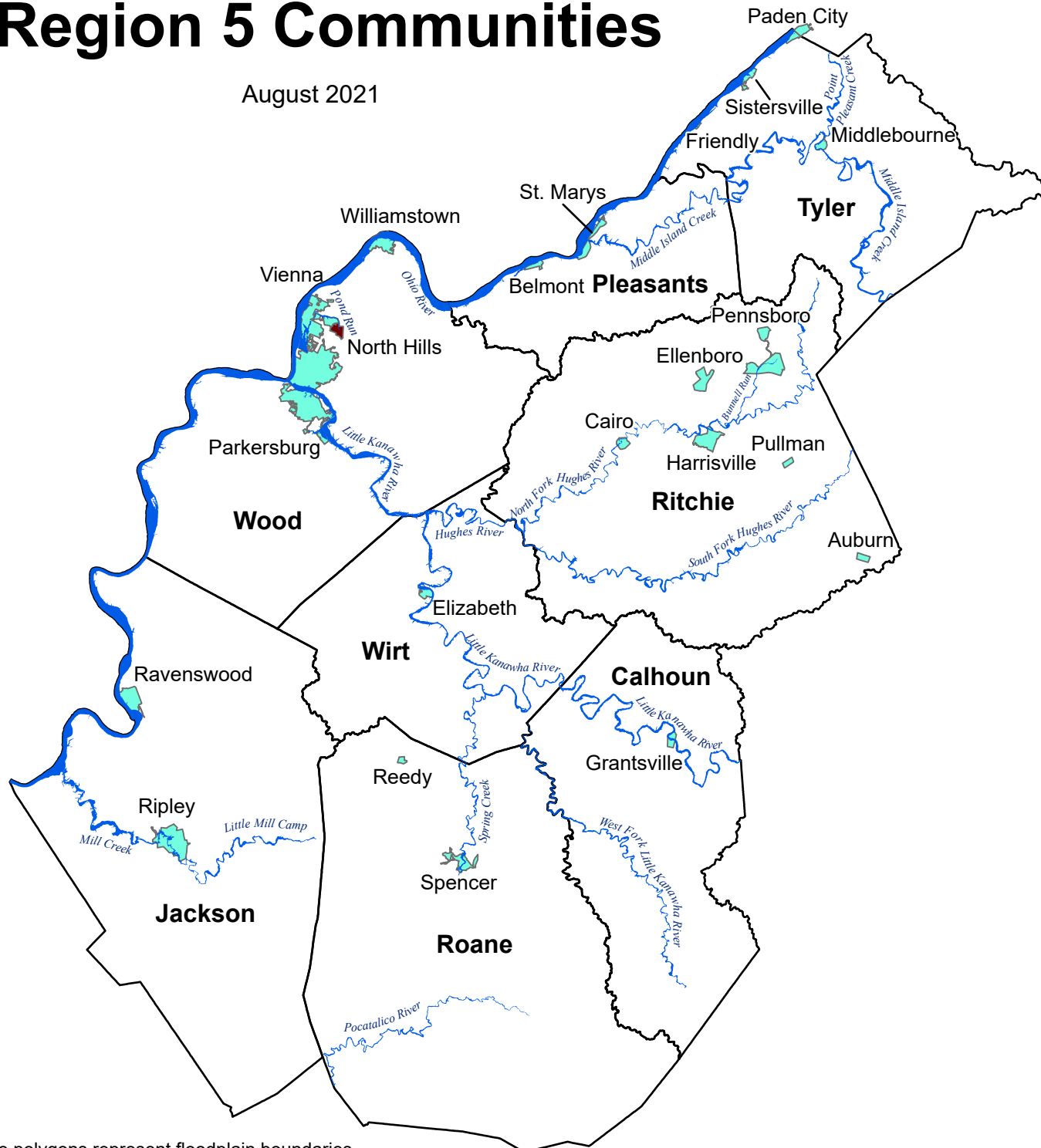
\*\* Includes Upper, Middle, and Lower reaches



# Region 5 Communities

August 2021

|                                                                                     |                                                                  |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------|
|   | Participating in National Flood Insurance Program (NFIP)         |
|  | Not Participating in NFIP or no Special Flood Hazard Area (SFHA) |



| Flood Source                   | Building Count | Dollar Exposure (\$) |
|--------------------------------|----------------|----------------------|
| CALHOUN COUNTY                 |                |                      |
| Little Kanawha River           | 298            | \$16,189K            |
| West Fork Little Kanawha River | 123            | \$5,365K             |
| JACKSON COUNTY                 |                |                      |
| Ohio River                     | 306            | \$27,954K            |
| Mill Creek                     | 84             | \$7,069K             |
| Little Mill Creek              | 43             | \$8,404K             |
| PLEASANTS COUNTY               |                |                      |
| Ohio River*                    | 269            | \$25,011K            |
| Middle Island Creek            | 74             | \$2,954K             |
| RITCHIE COUNTY                 |                |                      |
| South Fork Hughes River        | 96             | \$2,937K             |
| North Fork Hughes River        | 58             | \$2,597K             |
| Bunnell Run                    | 39             | \$3,233K             |
| ROANE COUNTY                   |                |                      |
| Spring Creek                   | 255            | \$30,627K            |
| Pocatalico River               | 67             | \$10,463K            |
| TYLER COUNTY                   |                |                      |
| Ohio River                     | 266            | \$16,861K            |
| Middle Island Creek            | 182            | \$8,694K             |
| Point Pleasant Creek           | 44             | \$8,195K             |
| WOOD COUNTY                    |                |                      |
| Little Kanawha River           | 354            | \$68,279K            |
| Pond Run Upper Reach           | 339            | \$85,323K            |
| Ohio River                     | 323            | \$30,130K            |
| WIRT COUNTY                    |                |                      |
| Little Kanawha River           | 253            | \$16,613K            |
| Hughes River                   | 110            | \$3,424K             |

\*Includes \$6.7M industrial structure at confluence of Ohio River and Bull Creek

\*\*Blue polygons represent floodplain boundaries

WVGISTC 17 August 2021

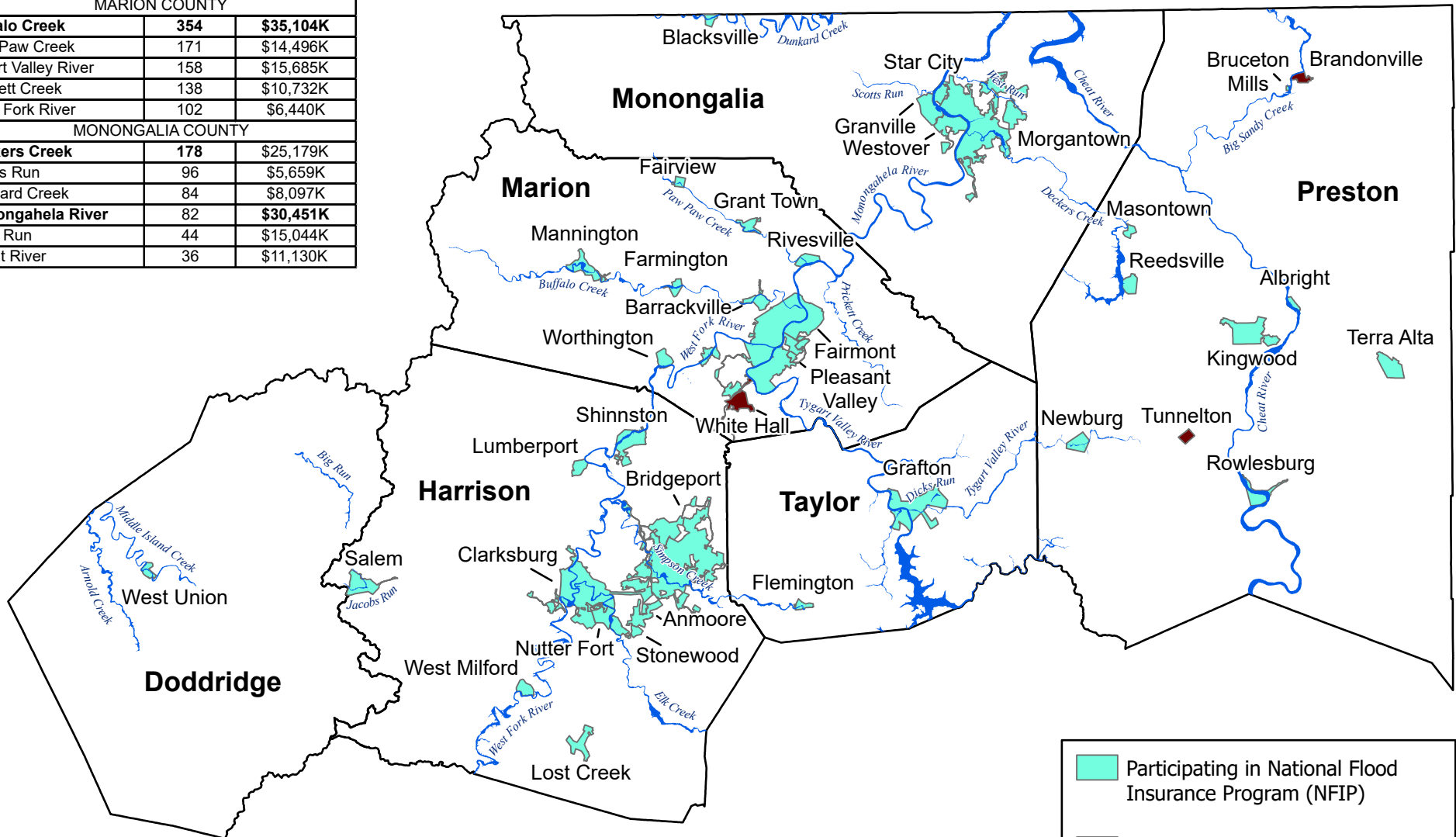
# Region 6 Communities

April 2021

| Flood Source        | Building Count | Dollar Exposure (\$) |
|---------------------|----------------|----------------------|
| DODDRIDGE COUNTY    |                |                      |
| Arnold Creek        | 72             | \$2,839K             |
| Big Run             | 67             | \$3,483K             |
| Middle Island Creek | 59             | \$4,665K             |
| HARRISON COUNTY     |                |                      |
| West Fork River     | 336            | \$22,447K            |
| Elk Creek           | 298            | \$22,223K            |
| Jacobs Run          | 123            | \$6,087K             |
| Simpson Creek       | 111            | \$58,323K            |
| MARION COUNTY       |                |                      |
| Buffalo Creek       | 354            | \$35,104K            |
| Paw Paw Creek       | 171            | \$14,496K            |
| Tygart Valley River | 158            | \$15,685K            |
| Prickett Creek      | 138            | \$10,732K            |
| West Fork River     | 102            | \$6,440K             |
| MONONGALIA COUNTY   |                |                      |
| Deckers Creek       | 178            | \$25,179K            |
| Scotts Run          | 96             | \$5,659K             |
| Dunkard Creek       | 84             | \$8,097K             |
| Monongahela River   | 82             | \$30,451K            |
| West Run            | 44             | \$15,044K            |
| Cheat River         | 36             | \$11,130K            |

| Flood Source        | Building Count | Dollar Exposure (\$) |
|---------------------|----------------|----------------------|
| PRESTON COUNTY      |                |                      |
| Cheat River*        | 252            | \$301,768K           |
| Big Sandy Creek     | 68             | \$22,903K            |
| Deckers Creek       | 53             | \$6,958K             |
| TAYLOR COUNTY       |                |                      |
| Tygart Valley River | 225            | \$33,965K            |
| Dicks Run           | 45             | \$3,763K             |

\*Includes \$276M building exposure of Camp Dawson



- Participating in National Flood Insurance Program (NFIP)
- Not Participating in NFIP or no Special Flood Hazard Area (SFHA)

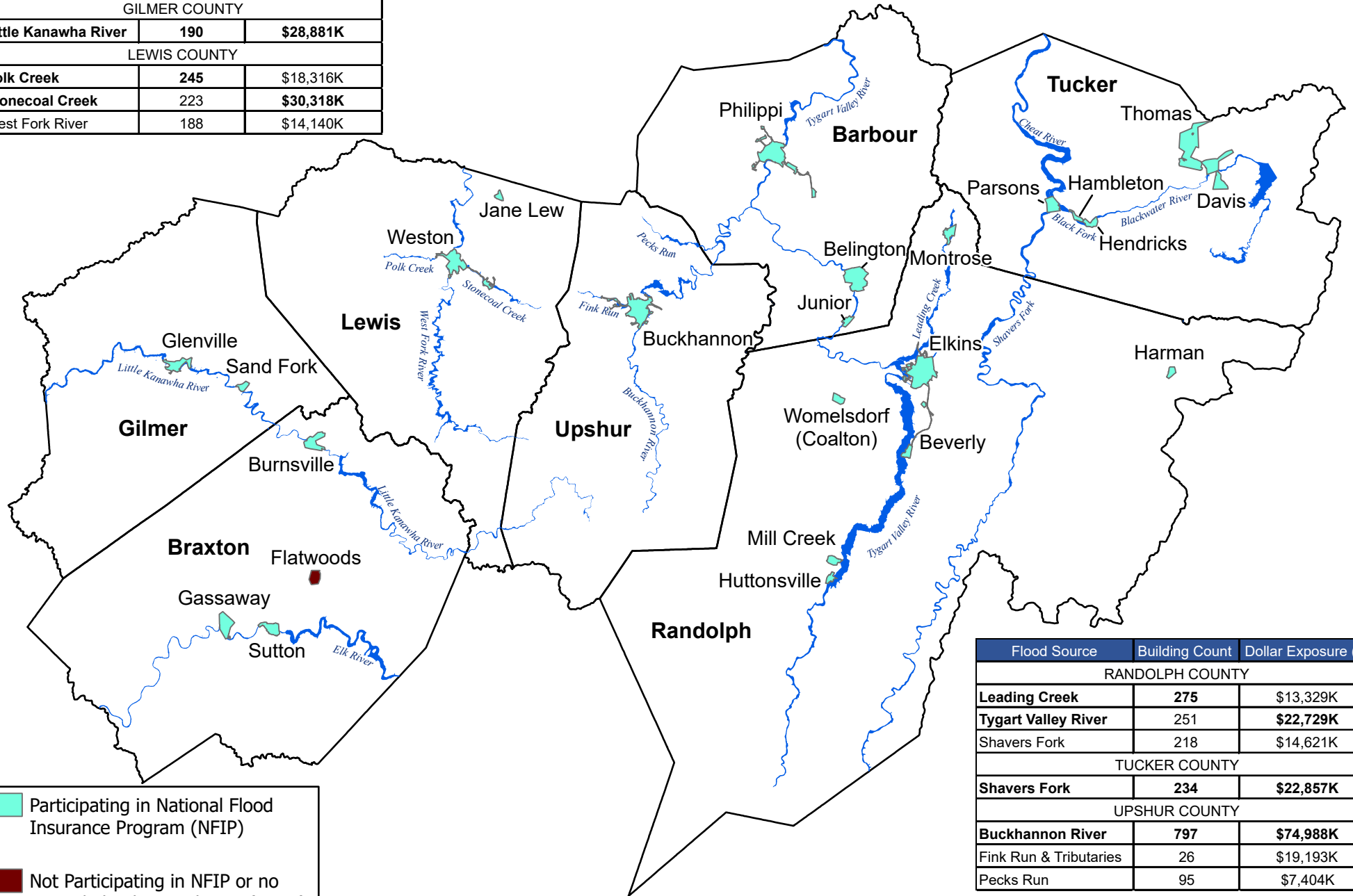
\*\*Blue polygons represent floodplain boundaries

WVGISTC 13 April 2021

# Region 7 Communities

April 2021

| Flood Source         | Building Count | Dollar Exposure (\$) |
|----------------------|----------------|----------------------|
| BARBOUR COUNTY       |                |                      |
| Tygart Valley River  | 408            | \$35,274K            |
| Buckhannon River     | 135            | \$5,509K             |
| BRAXTON COUNTY       |                |                      |
| Elk River            | 198            | \$13,801K            |
| GILMER COUNTY        |                |                      |
| Little Kanawha River | 190            | \$28,881K            |
| LEWIS COUNTY         |                |                      |
| Polk Creek           | 245            | \$18,316K            |
| Stonecoal Creek      | 223            | \$30,318K            |
| West Fork River      | 188            | \$14,140K            |



\*\*Blue polygons represent floodplain boundaries

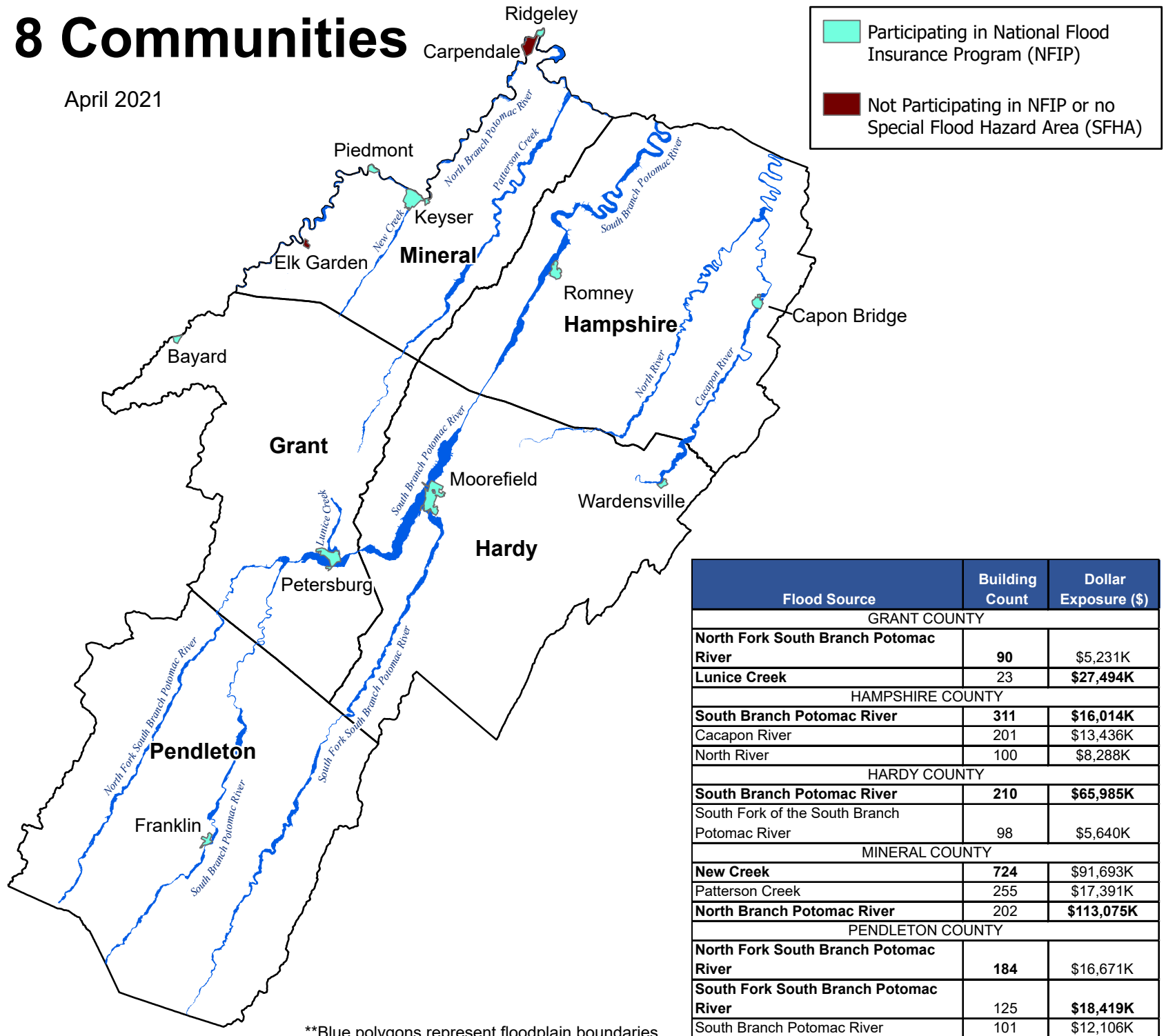
| Flood Source           | Building Count | Dollar Exposure (\$) |
|------------------------|----------------|----------------------|
| RANDOLPH COUNTY        |                |                      |
| Leading Creek          | 275            | \$13,329K            |
| Tygart Valley River    | 251            | \$22,729K            |
| Shavers Fork           | 218            | \$14,621K            |
| TUCKER COUNTY          |                |                      |
| Shavers Fork           | 234            | \$22,857K            |
| UPSHUR COUNTY          |                |                      |
| Buckhannon River       | 797            | \$74,988K            |
| Fink Run & Tributaries | 26             | \$19,193K            |
| Pecks Run              | 95             | \$7,404K             |

WVGISTC 13 April 2021



# Region 8 Communities

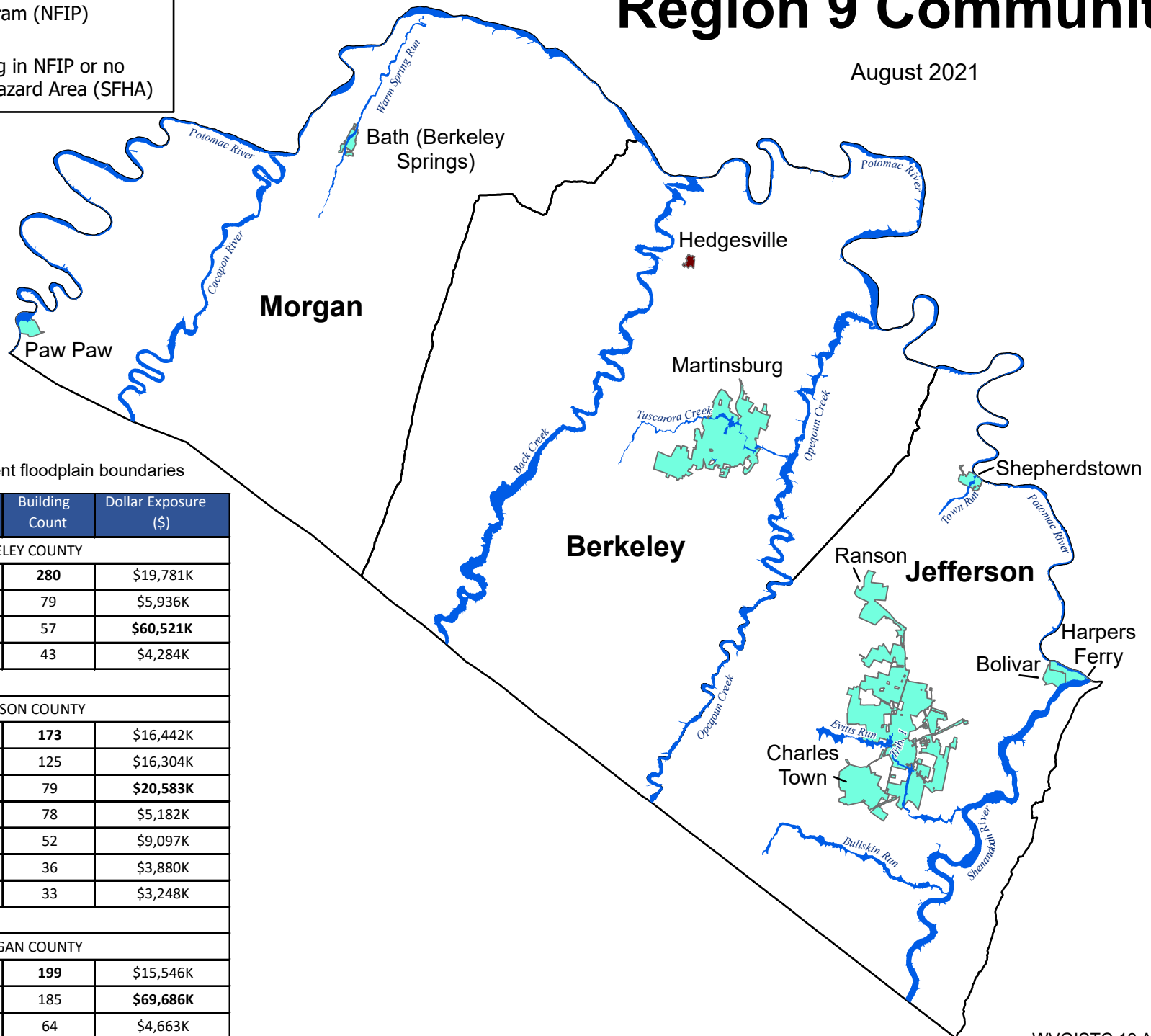
April 2021



# Region 9 Communities

August 2021

- Participating in National Flood Insurance Program (NFIP)
- Not Participating in NFIP or no Special Flood Hazard Area (SFHA)

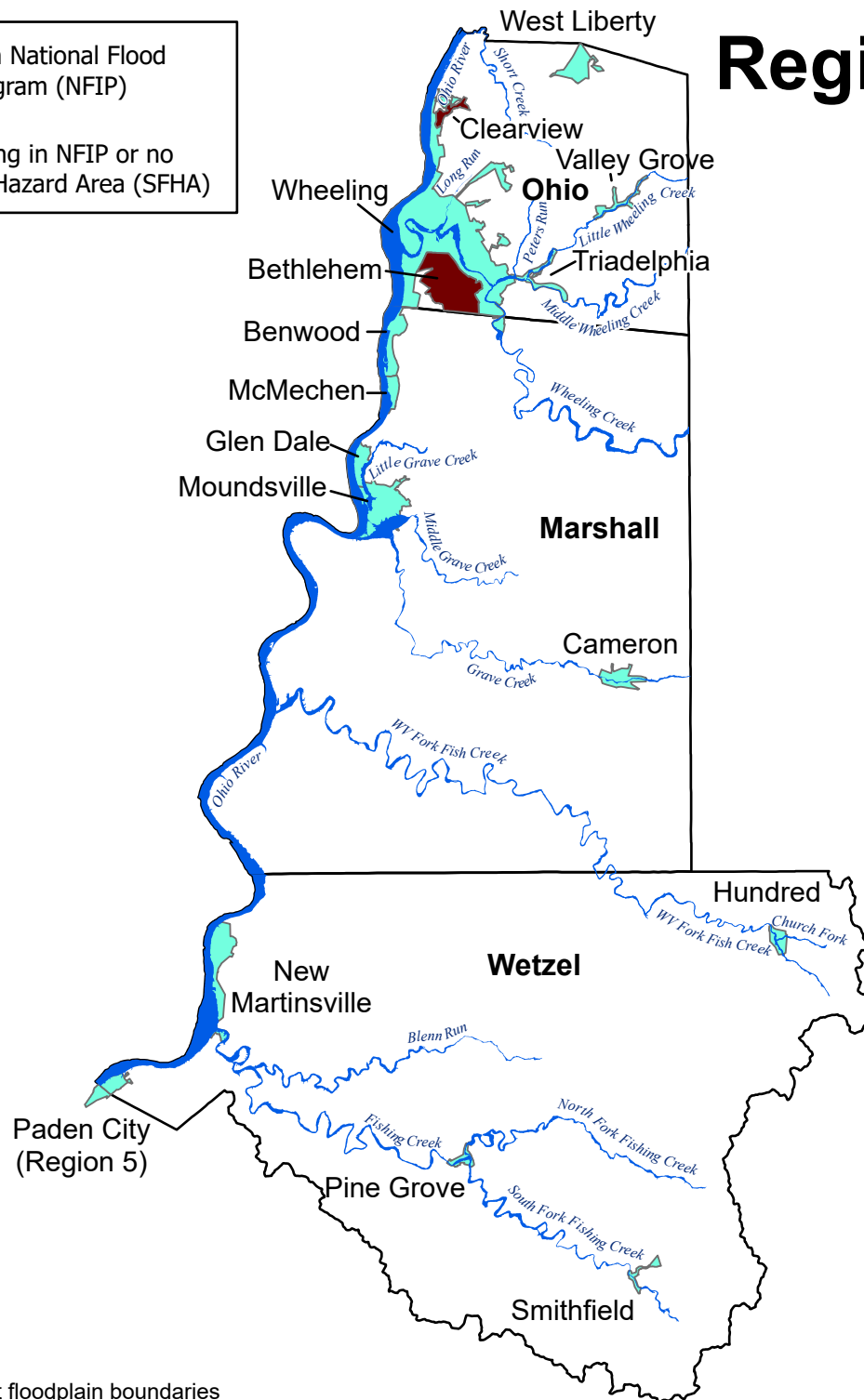
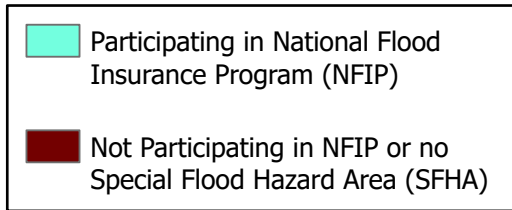


\*\*Blue polygons represent floodplain boundaries

| Flood Source     | Building Count | Dollar Exposure (\$) |
|------------------|----------------|----------------------|
| BERKELEY COUNTY  |                |                      |
| Potomac River    | 280            | \$19,781K            |
| Back Creek       | 79             | \$5,936K             |
| Tuscarora Creek  | 57             | \$60,521K            |
| Opequon Creek    | 43             | \$4,284K             |
| JEFFERSON COUNTY |                |                      |
| Potomac River    | 173            | \$16,442K            |
| Shenandoah River | 125            | \$16,304K            |
| Town Run         | 79             | \$20,583K            |
| Tributary 1      | 78             | \$5,182K             |
| Evitts Run       | 52             | \$9,097K             |
| Bullskin Run     | 36             | \$3,880K             |
| Opequon Creek    | 33             | \$3,248K             |
| MORGAN COUNTY    |                |                      |
| Cacapon River    | 199            | \$15,546K            |
| Warm Spring Run  | 185            | \$69,686K            |
| Potomac River    | 64             | \$4,663K             |

# Region 10 Communities

April 2021



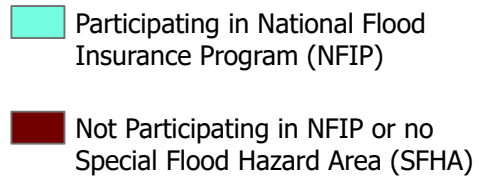
| Flood Source             | Building Count | Dollar Exposure (\$) |
|--------------------------|----------------|----------------------|
| MARSHAL COUNTY           |                |                      |
| Little Grave Creek       | 130            | <b>\$79,335K</b>     |
| Ohio River               | <b>422</b>     | \$55,537K            |
| Middle Grave Creek       | 425            | \$34,526K            |
| WV Fork Fish Creek       | 87             | \$25,250K            |
| Grave Creek              | 203            | \$18,930K            |
| OHIO COUNTY              |                |                      |
| Ohio River               | <b>2009</b>    | <b>\$226,592K</b>    |
| Wheeling Creek           | 701            | \$107,209K           |
| Little Wheeling Creek    | 368            | \$24,145K            |
| Long Run                 | 43             | \$22,702K            |
| Peters Run               | 73             | \$4,126K             |
| Middle Wheeling Creek    | 52             | \$3,404K             |
| Short Creek              | 107            | \$3,175K             |
| WETZEL COUNTY            |                |                      |
| Ohio River               | <b>838</b>     | <b>\$135,990K</b>    |
| Fishing Creek            | 211            | \$19,371K            |
| South Fork Fishing Creek | 149            | \$11,488K            |
| North Fork Fishing Creek | 103            | \$6,463K             |
| Blenn Run                | 134            | \$6,371K             |
| Church Fork              | 56             | \$4,660K             |
| WV Fork Fish Creek       | 113            | \$4,208K             |

\*\*Blue polygons represent floodplain boundaries

WVGISTC 13 April 2021

# Region 11 Communities

April 2021



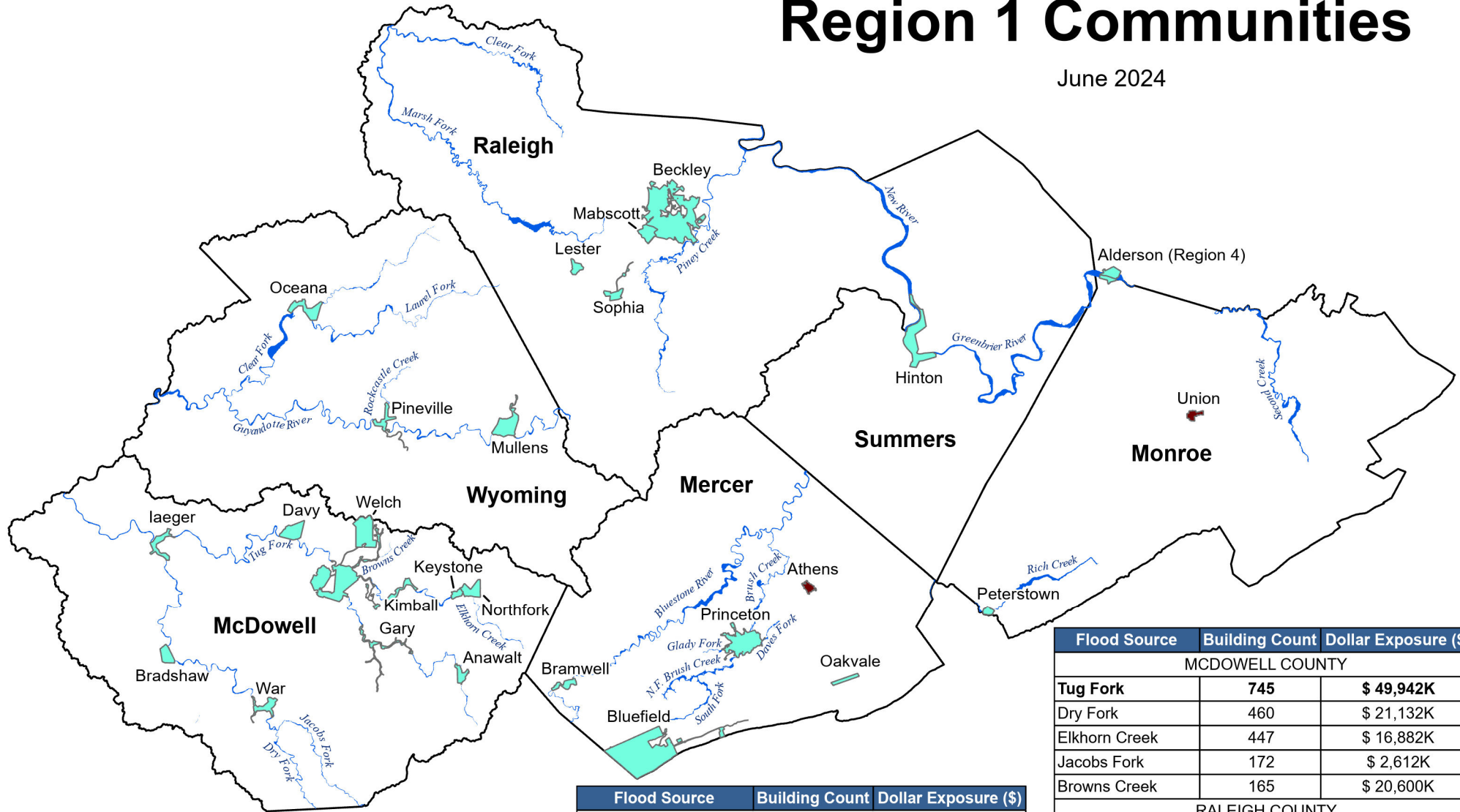
| Flood Source   | Building Count | Dollar Exposure (\$) |
|----------------|----------------|----------------------|
| BROOKE COUNTY  |                |                      |
| Ohio River     | 881            | \$81,329K            |
| Harmon Creek   | 95             | \$23,109K            |
| Buffalo Creek  | 57             | \$2,616K             |
| HANCOCK COUNTY |                |                      |
| Ohio River     | 180            | \$26,995K            |
| Kings Creek    | 267            | \$18,808K            |
| Harmon Creek   | 15             | \$5,060K             |

\*\*Blue polygons represent floodplain boundaries

WVGISTC 13 April 2021

# Region 1 Communities

June 2024



 Participating in National Flood Insurance Program (NFIP)

 Not Participating in NFIP or no Special Flood Hazard Area (SFHA)

| Flood Source           | Building Count | Dollar Exposure (\$) |
|------------------------|----------------|----------------------|
| MERCER COUNTY          |                |                      |
| South Fork             | 272            | \$ 17,695K           |
| Bluestone River        | 253            | \$ 16,013K           |
| Brush Creek            | 249            | \$ 63,814K           |
| North Fork Brush Creek | 212            | \$ 18,428K           |
| Daves Fork             | 187            | \$ 12,747K           |
| Glady Fork             | 109            | \$ 25,765K           |
| MONROE COUNTY          |                |                      |
| Second Creek           | 52             | \$ 2,713K            |
| Greenbrier River       | 51             | \$ 2,844K            |
| Rich Creek             | 44             | \$ 14,382K           |

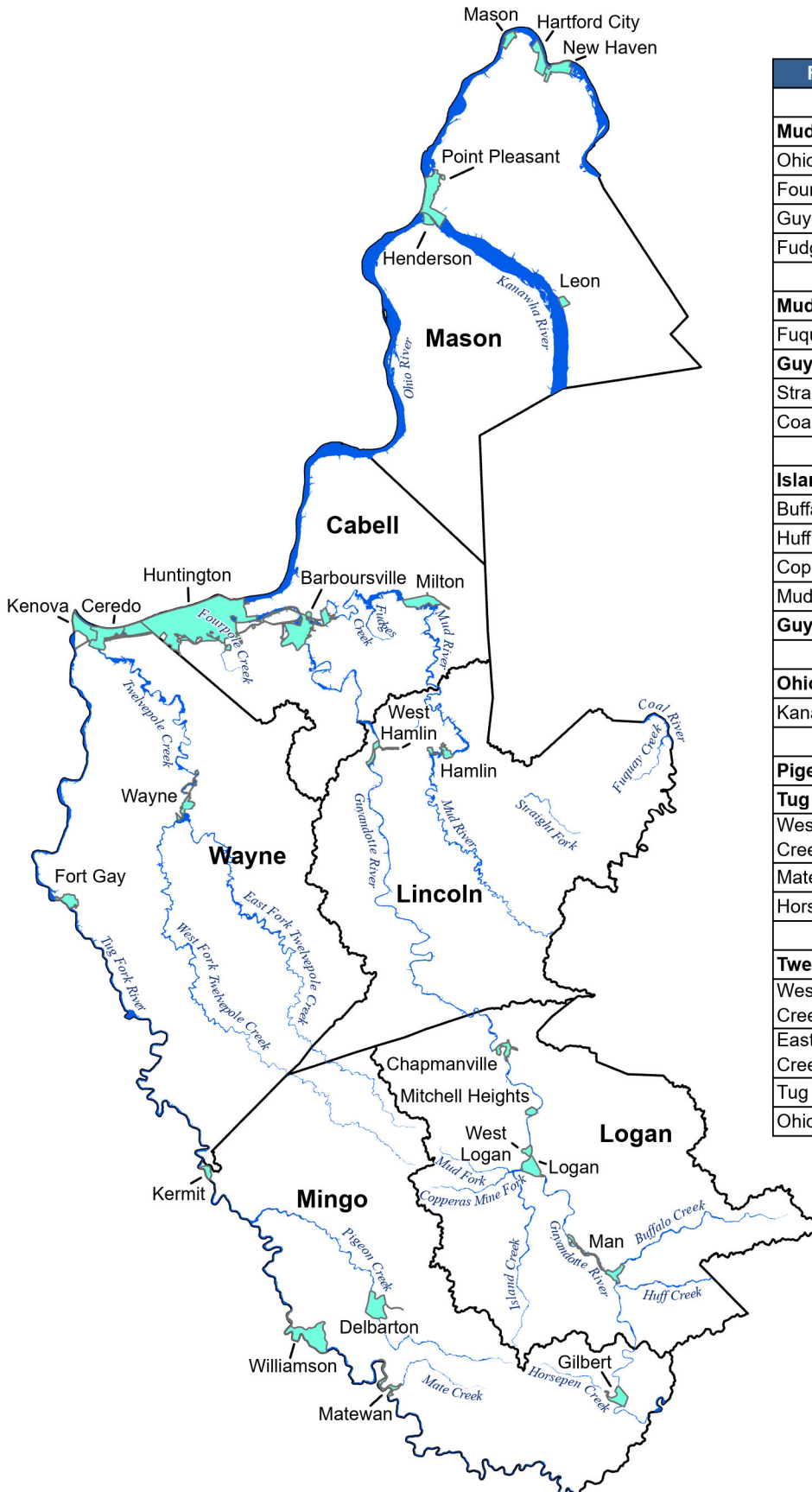
\* 2016 Disaster Restudy

| Flood Source      | Building Count | Dollar Exposure (\$) |
|-------------------|----------------|----------------------|
| MCDOWELL COUNTY   |                |                      |
| Tug Fork          | 745            | \$ 49,942K           |
| Dry Fork          | 460            | \$ 21,132K           |
| Elkhorn Creek     | 447            | \$ 16,882K           |
| Jacobs Fork       | 172            | \$ 2,612K            |
| Browns Creek      | 165            | \$ 20,600K           |
| RALEIGH COUNTY    |                |                      |
| Marsh Fork        | 360            | \$ 15,808K           |
| Clear Fork        | 328            | \$ 11,784K           |
| Piney Creek       | 177            | \$ 21,508K           |
| SUMMERS COUNTY    |                |                      |
| Greenbrier River* | 634            | \$ 31,206K           |
| New River*        | 70             | \$ 5,900K            |
| WYOMING COUNTY    |                |                      |
| Guyandotte River  | 469            | \$ 19,689K           |
| Clear Fork        | 447            | \$ 25,923K           |
| Rockcastle Creek  | 180            | \$ 7,044K            |
| Laurel Fork       | 179            | \$ 10,009K           |



# Region 2 Communities

June 2024

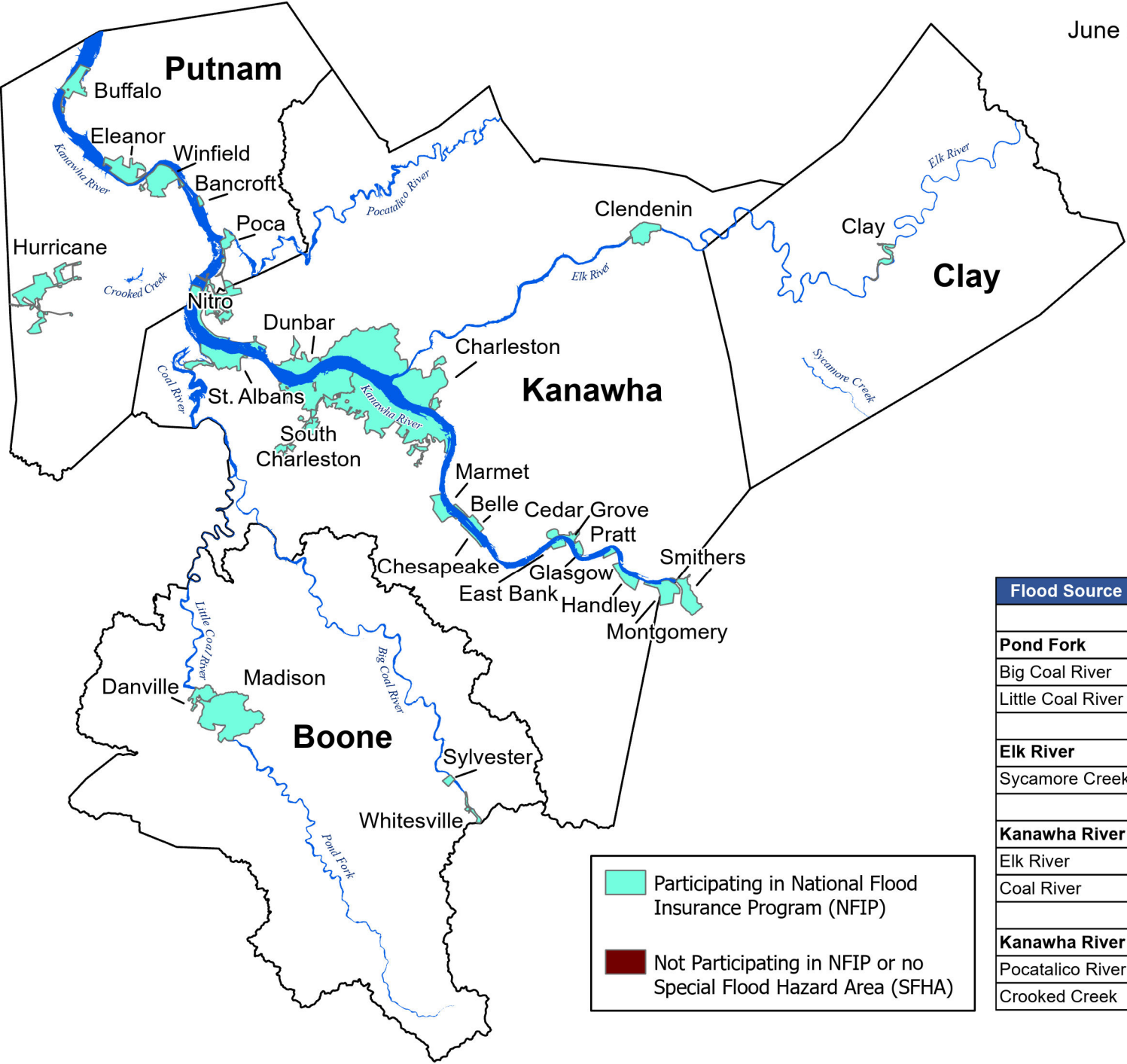


| Flood Source               | Building Count | Dollar Exposure (\$) |
|----------------------------|----------------|----------------------|
| CABELL COUNTY              |                |                      |
| <b>Mud River</b>           | <b>712</b>     | <b>\$ 85,270K</b>    |
| Ohio River                 | 572            | \$ 48,660K           |
| Fourpole Creek             | 443            | \$ 46,583K           |
| Guyandotte River           | 292            | \$ 21,246K           |
| Fudges Creek               | 65             | \$ 69,728K           |
| LINCOLN COUNTY             |                |                      |
| <b>Mud River</b>           | <b>329</b>     | <b>\$ 12,735K</b>    |
| Fuquay Creek               | 105            | \$ 9,565K            |
| <b>Guyandotte River</b>    | <b>104</b>     | <b>\$ 15,732K</b>    |
| Straight Fork              | 94             | \$ 4,032K            |
| Coal River                 | 76             | \$ 5,205K            |
| LOGAN COUNTY               |                |                      |
| <b>Island Creek</b>        | <b>1,079</b>   | <b>\$ 53,238K</b>    |
| Buffalo Creek              | 827            | \$ 37,699K           |
| Huff Creek                 | 412            | \$ 28,324K           |
| Copperas Mine Fork         | 364            | \$ 22,341K           |
| Mud Fork                   | 303            | \$ 11,048K           |
| <b>Guyandotte River</b>    | <b>294</b>     | <b>\$ 70,459K</b>    |
| MASON COUNTY               |                |                      |
| <b>Ohio River</b>          | <b>871</b>     | <b>\$ 52,527K</b>    |
| Kanawha River              | 160            | \$ 9,571K            |
| MINGO COUNTY               |                |                      |
| <b>Pigeon Creek</b>        | <b>778</b>     | <b>\$ 39,770K</b>    |
| <b>Tug Fork River</b>      | <b>428</b>     | <b>\$ 49,360K</b>    |
| West Fork Twelvepole Creek | 224            | \$ 6,090K            |
| Mate Creek                 | 172            | \$ 7,161K            |
| Horsepen Creek             | 67             | \$ 14,787K           |
| WAYNE COUNTY               |                |                      |
| <b>Twelvepole Creek</b>    | <b>695</b>     | <b>\$ 87,454K</b>    |
| West Fork Twelvepole Creek | 301            | \$ 14,844K           |
| East Fork Twelvepole Creek | 188            | \$ 10,599K           |
| Tug Fork                   | 179            | \$ 35,052K           |
| Ohio River                 | 163            | \$ 14,094K           |

 Participating in National Flood Insurance Program (NFIP)  
 Not Participating in NFIP or no Special Flood Hazard Area (SFHA)

# Region 3 Communities

June 2024



| Flood Source      | Building Count | Dollar Exposure (\$) |
|-------------------|----------------|----------------------|
| BOONE COUNTY      |                |                      |
| Pond Fork         | 844            | \$ 60,081K           |
| Big Coal River    | 781            | \$ 50,475K           |
| Little Coal River | 423            | \$ 52,833K           |
| CLAY COUNTY       |                |                      |
| Elk River         | 465            | \$ 35,079K           |
| Sycamore Creek    | 90             | \$ 3,137K            |
| KANAWHA COUNTY    |                |                      |
| Kanawha River     | 3,889          | \$ 788,801K          |
| Elk River         | 1206           | \$ 108,331K          |
| Coal River        | 833            | \$ 71,646K           |
| PUTNAM COUNTY     |                |                      |
| Kanawha River     | 1,015          | \$ 136,368K          |
| Pocatalico River  | 271            | \$ 16,292K           |
| Crooked Creek     | 148            | \$ 20,932K           |

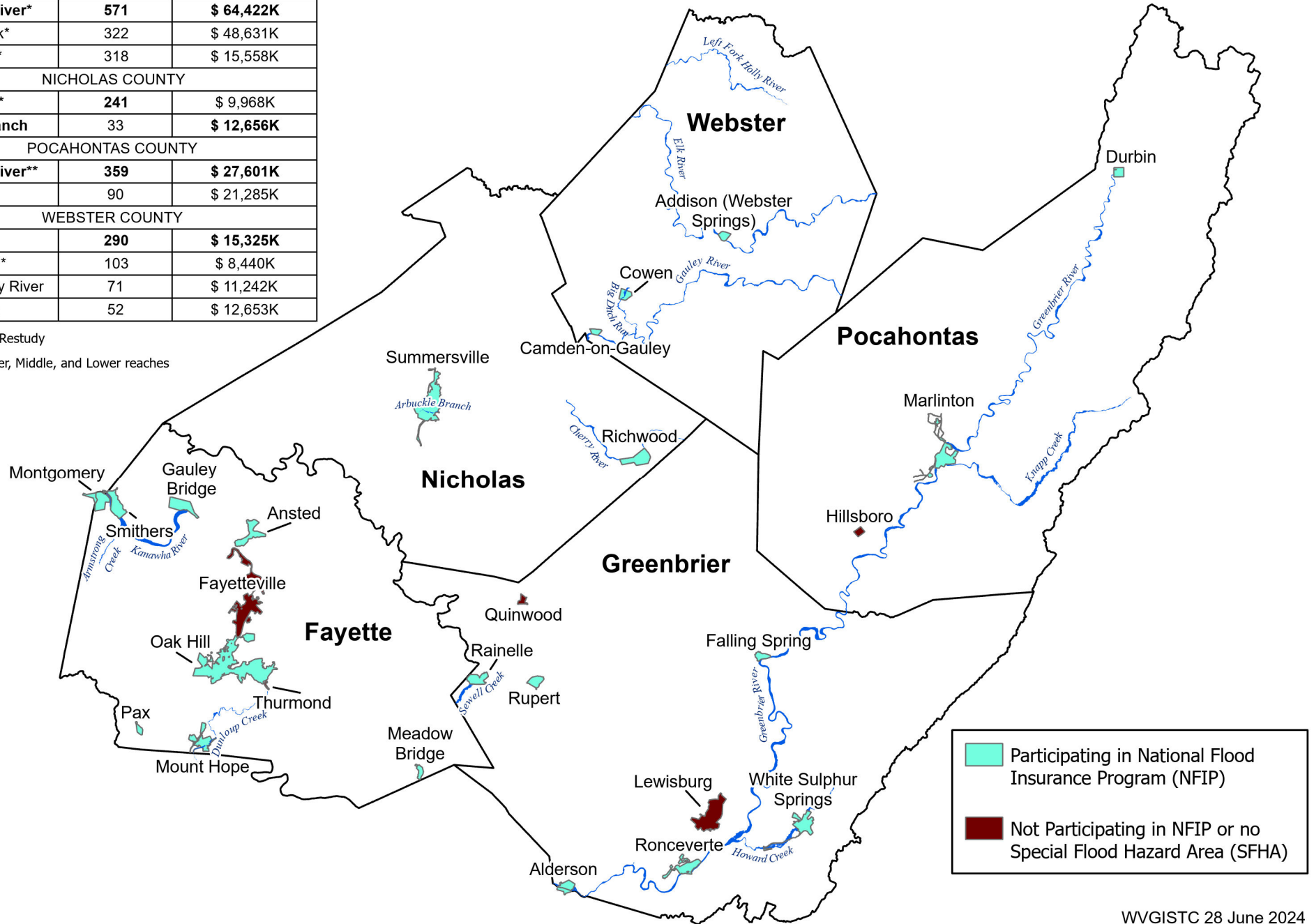
| Flood Source          | Building Count | Dollar Exposure (\$) |
|-----------------------|----------------|----------------------|
| FAYETTE COUNTY        |                |                      |
| Kanawha River         | 194            | \$ 15,517K           |
| Armstrong Creek       | 167            | \$ 8,593K            |
| Dunloup Creek         | 125            | \$ 10,075K           |
| GREENBRIER COUNTY     |                |                      |
| Greenbrier River*     | 571            | \$ 64,422K           |
| Howard Creek*         | 322            | \$ 48,631K           |
| Sewell Creek*         | 318            | \$ 15,558K           |
| NICHOLAS COUNTY       |                |                      |
| Cherry River*         | 241            | \$ 9,968K            |
| Arbuckle Branch       | 33             | \$ 12,656K           |
| POCAHONTAS COUNTY     |                |                      |
| Greenbrier River**    | 359            | \$ 27,601K           |
| Knapp Creek           | 90             | \$ 21,285K           |
| WEBSTER COUNTY        |                |                      |
| Elk River             | 290            | \$ 15,325K           |
| Gauley River**        | 103            | \$ 8,440K            |
| Left Fork Holly River | 71             | \$ 11,242K           |
| Big Ditch Run         | 52             | \$ 12,653K           |

\* 2016 Disaster Restudy

\*\* Includes Upper, Middle, and Lower reaches

# Region 4 Communities

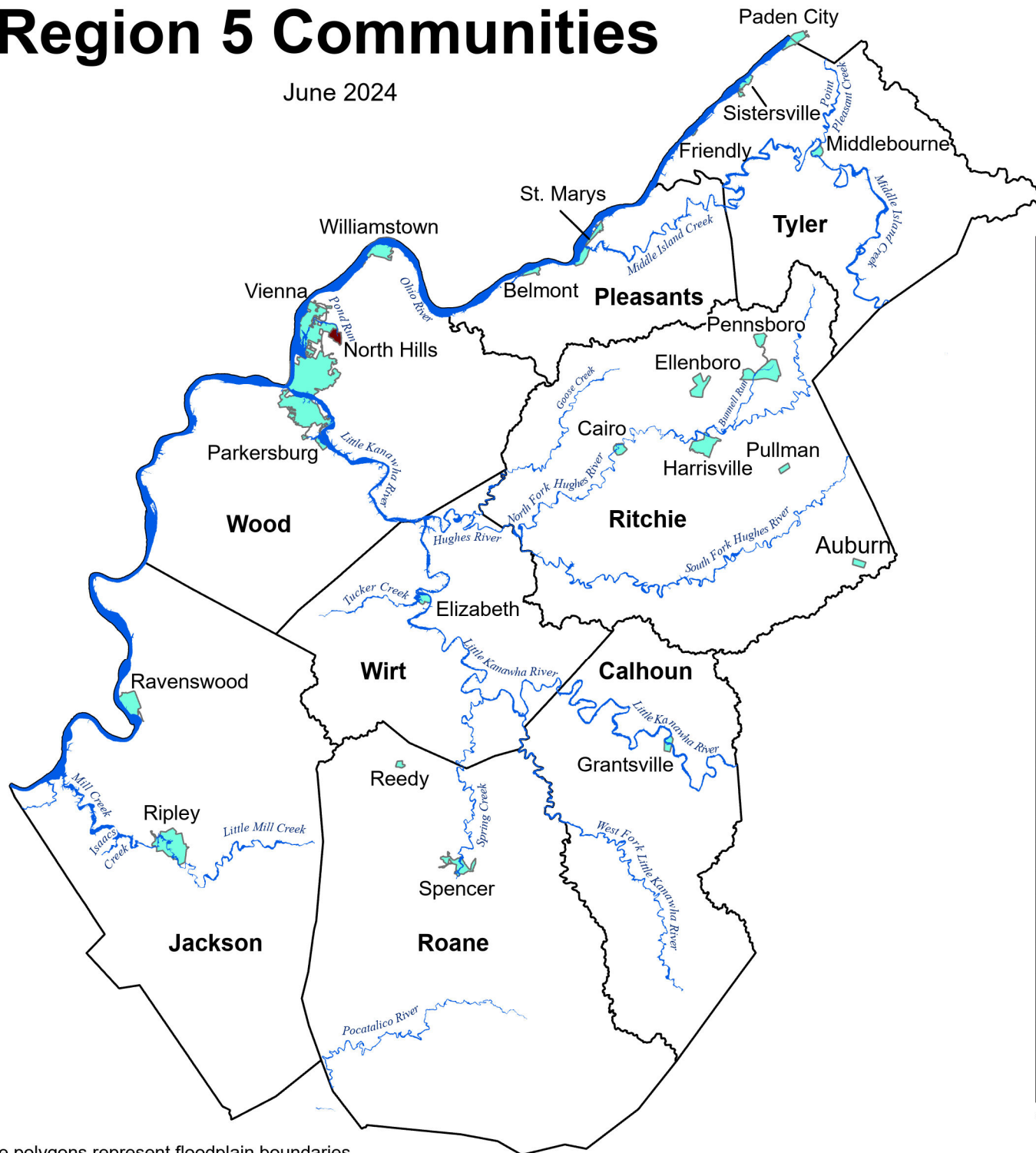
June 2024





# Region 5 Communities

June 2024



Participating in National Flood Insurance Program (NFIP)

Not Participating in NFIP or no Special Flood Hazard Area (SFHA)

| Flood Source                   | Building Count | Dollar Exposure (\$) |
|--------------------------------|----------------|----------------------|
| CALHOUN COUNTY                 |                |                      |
| Little Kanawha River           | 290            | \$ 24,833K           |
| West Fork Little Kanawha River | 116            | \$ 4,823K            |
| JACKSON COUNTY                 |                |                      |
| Ohio River                     | 295            | \$ 27,972K           |
| Isaacs Creek                   | 67             | \$ 4,852K            |
| Little Mill Creek              | 43             | \$ 8,404K            |
| Mill Creek                     | 42             | \$ 3,239K            |
| PLEASANTS COUNTY               |                |                      |
| Ohio River*                    | 245            | \$ 37,062K           |
| Middle Island Creek            | 65             | \$ 2,635K            |
| RITCHIE COUNTY                 |                |                      |
| South Fork Hughes River        | 64             | \$ 1,827K            |
| North Fork Hughes River        | 43             | \$ 1,929K            |
| Goose Creek                    | 35             | \$ 1,872K            |
| Bunnell Run                    | 26             | \$ 8,540K            |
| ROANE COUNTY                   |                |                      |
| Spring Creek                   | 238            | \$ 29,922K           |
| Pocatalico River               | 51             | \$ 9,757K            |
| TYLER COUNTY                   |                |                      |
| Ohio River                     | 260            | \$ 24,455K           |
| Middle Island Creek            | 166            | \$ 7,956K            |
| Point Pleasant Creek           | 42             | \$ 8,117K            |
| WOOD COUNTY                    |                |                      |
| Little Kanawha River           | 348            | \$ 68,890K           |
| Pond Run Upper Reach           | 339            | \$ 84,746K           |
| Ohio River                     | 319            | \$ 43,086K           |
| WIRT COUNTY                    |                |                      |
| Little Kanawha River           | 257            | \$ 16,869K           |
| Hughes River                   | 110            | \$ 3,424K            |
| Tucker Creek                   | 34             | \$ 2,979K            |

\*Includes \$6.7M industrial structure at confluence of Ohio River and Bull Creek

\*\*Blue polygons represent floodplain boundaries

WVGISTC 28 June 2024

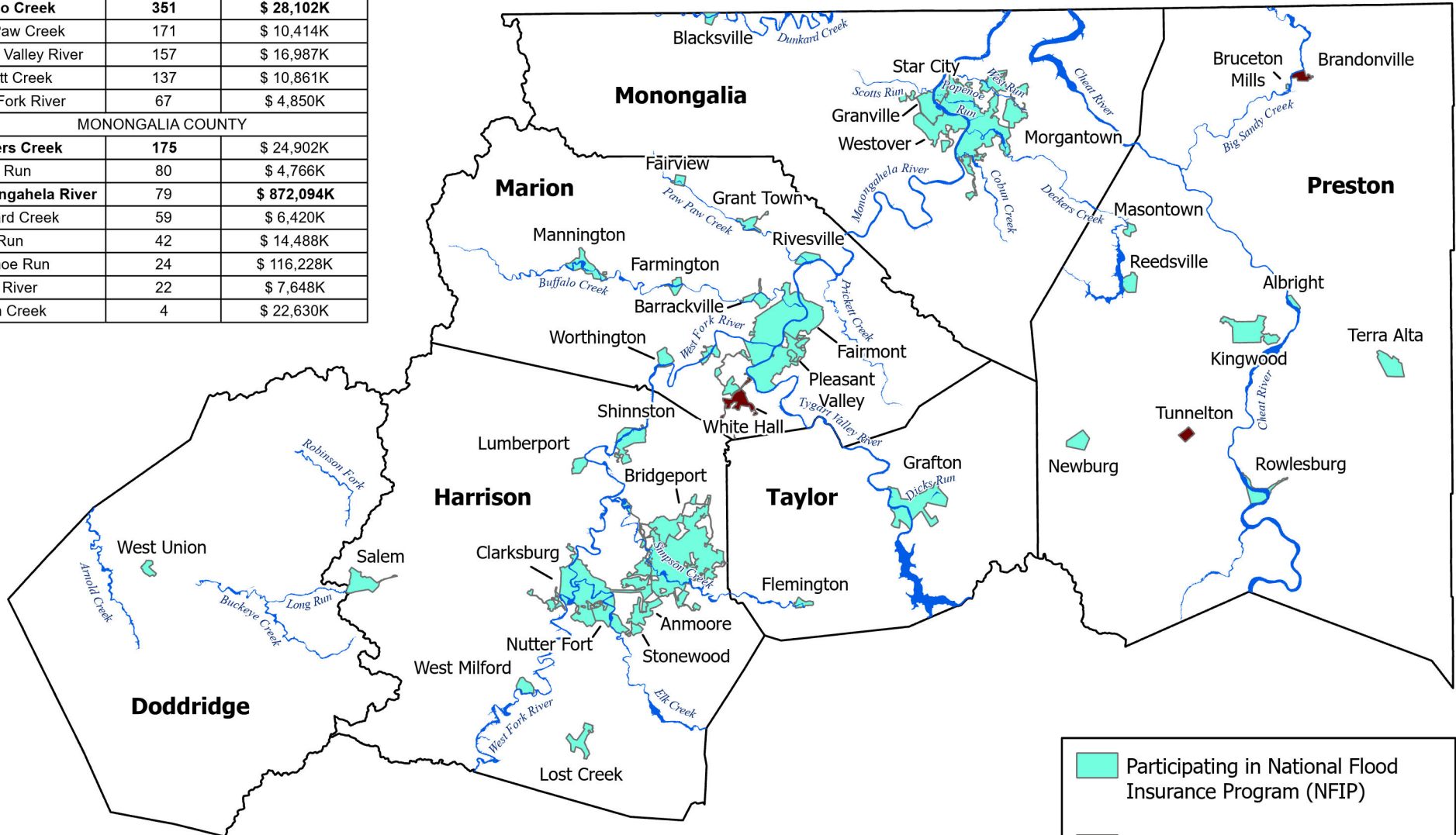
# Region 6 Communities

July 2024

| Flood Source        | Building Count | Dollar Exposure (\$) |
|---------------------|----------------|----------------------|
| DODDRIDGE COUNTY    |                |                      |
| Arnold Creek        | 71             | \$ 2,791K            |
| Long Run            | 67             | \$ 1,774K            |
| Robinson Fork       | 64             | \$ 3,479K            |
| Buckeye Creek       | 50             | \$ 3,756K            |
| HARRISON COUNTY     |                |                      |
| West Fork River     | 300            | \$ 37,696K           |
| Elk Creek           | 244            | \$ 19,213K           |
| Simpson Creek       | 109            | \$ 38,554K           |
| MARION COUNTY       |                |                      |
| Buffalo Creek       | 351            | \$ 28,102K           |
| Paw Paw Creek       | 171            | \$ 10,414K           |
| Tygart Valley River | 157            | \$ 16,987K           |
| Prickett Creek      | 137            | \$ 10,861K           |
| West Fork River     | 67             | \$ 4,850K            |
| MONONGALIA COUNTY   |                |                      |
| Deckers Creek       | 175            | \$ 24,902K           |
| Scotts Run          | 80             | \$ 4,766K            |
| Monongahela River   | 79             | \$ 872,094K          |
| Dunkard Creek       | 59             | \$ 6,420K            |
| West Run            | 42             | \$ 14,488K           |
| Popenoe Run         | 24             | \$ 116,228K          |
| Cheat River         | 22             | \$ 7,648K            |
| Cobun Creek         | 4              | \$ 22,630K           |

| Flood Source        | Building Count | Dollar Exposure (\$) |
|---------------------|----------------|----------------------|
| PRESTON COUNTY      |                |                      |
| Cheat River*        | 246            | \$ 301,653K          |
| Big Sandy Creek     | 68             | \$ 23,017K           |
| Deckers Creek       | 53             | \$ 7,094K            |
| TAYLOR COUNTY       |                |                      |
| Tygart Valley River | 61             | \$ 5,888K            |
| Dicks Run           | 45             | \$ 3,817K            |

\*Includes \$276M building exposure of Camp Dawson



- Participating in National Flood Insurance Program (NFIP)
- Not Participating in NFIP or no Special Flood Hazard Area (SFHA)

\*\*Blue polygons represent floodplain boundaries

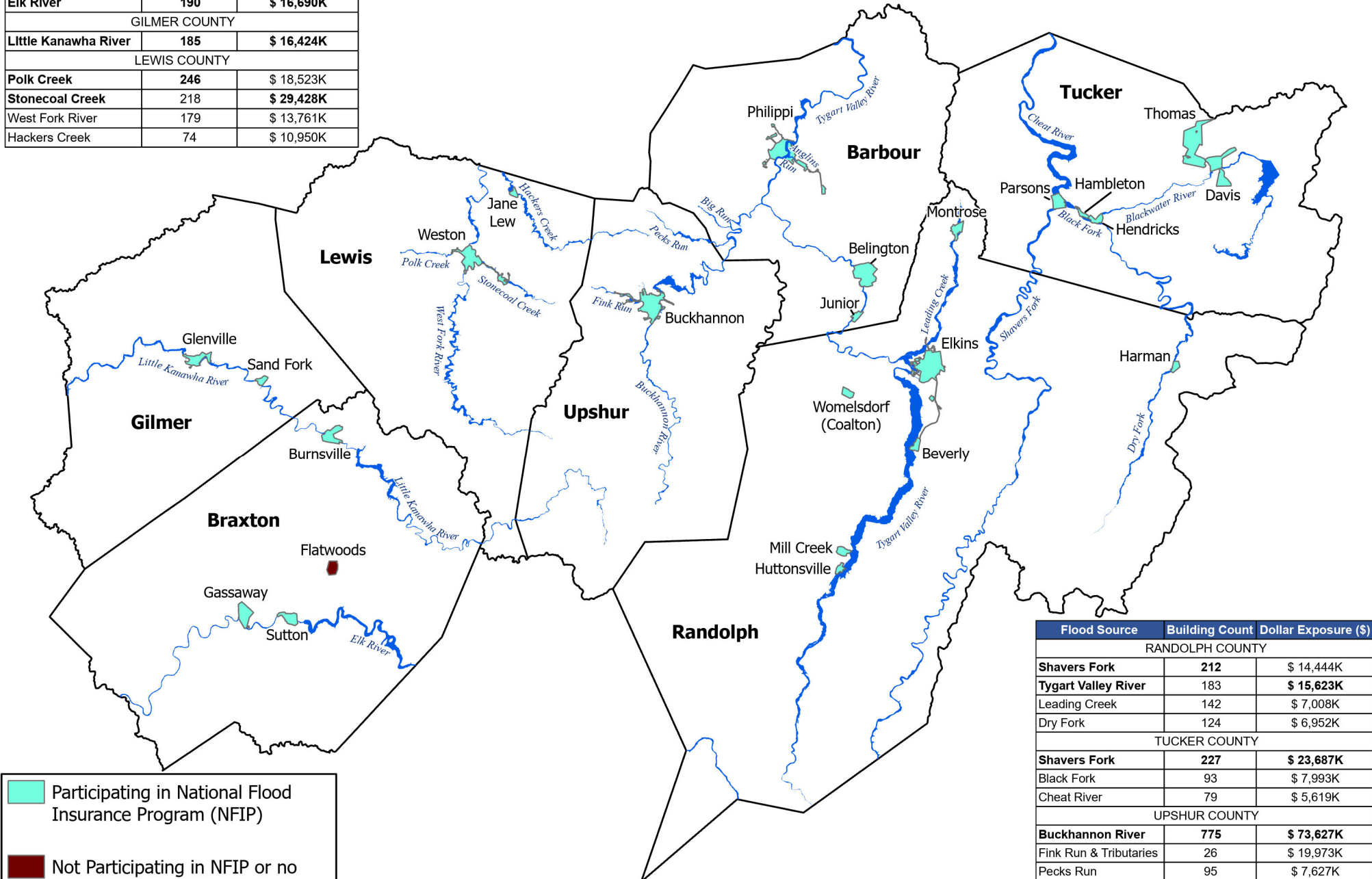
WVGISTC 8 July 2024



# Region 7 Communities

July 2024

| Flood Source         | Building Count | Dollar Exposure (\$) |
|----------------------|----------------|----------------------|
| BARBOUR COUNTY       |                |                      |
| Tygart Valley River  | 283            | \$ 27,252K           |
| Buckhannon River     | 120            | \$ 4,900K            |
| Anglins Run          | 59             | \$ 22,728K           |
| Big Run              | 10             | \$ 14,916K           |
| BRAXTON COUNTY       |                |                      |
| Elk River            | 190            | \$ 16,690K           |
| GILMER COUNTY        |                |                      |
| Little Kanawha River | 185            | \$ 16,424K           |
| LEWIS COUNTY         |                |                      |
| Polk Creek           | 246            | \$ 18,523K           |
| Stonecoal Creek      | 218            | \$ 29,428K           |
| West Fork River      | 179            | \$ 13,761K           |
| Hackers Creek        | 74             | \$ 10,950K           |



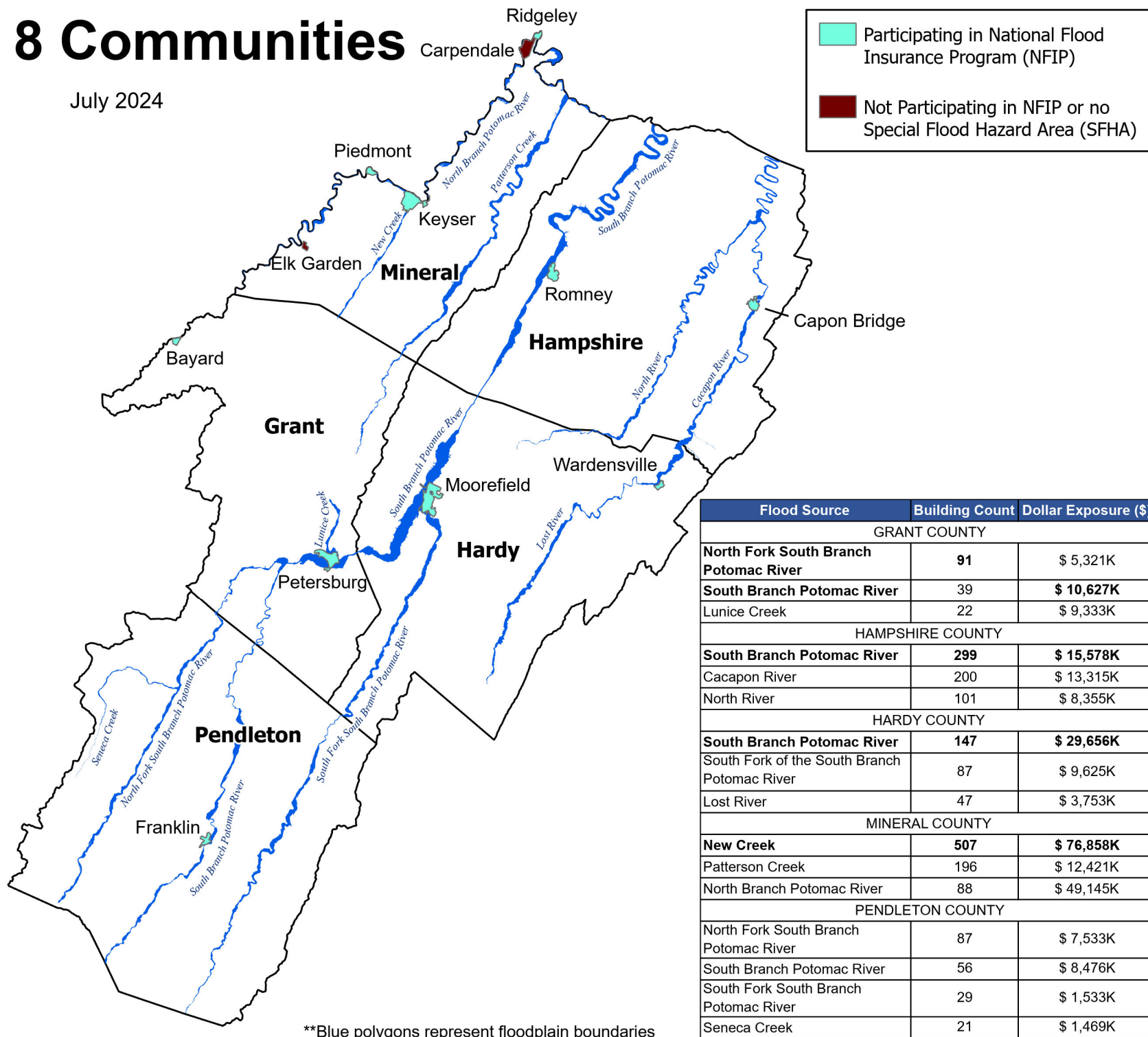
|  |                                                                  |
|--|------------------------------------------------------------------|
|  | Participating in National Flood Insurance Program (NFIP)         |
|  | Not Participating in NFIP or no Special Flood Hazard Area (SFHA) |

\*\*Blue polygons represent floodplain boundaries

| Flood Source           | Building Count | Dollar Exposure (\$) |
|------------------------|----------------|----------------------|
| RANDOLPH COUNTY        |                |                      |
| Shavers Fork           | 212            | \$ 14,444K           |
| Tygart Valley River    | 183            | \$ 15,623K           |
| Leading Creek          | 142            | \$ 7,008K            |
| Dry Fork               | 124            | \$ 6,952K            |
| TUCKER COUNTY          |                |                      |
| Shavers Fork           | 227            | \$ 23,687K           |
| Black Fork             | 93             | \$ 7,993K            |
| Cheat River            | 79             | \$ 5,619K            |
| UPSHUR COUNTY          |                |                      |
| Buckhannon River       | 775            | \$ 73,627K           |
| Fink Run & Tributaries | 26             | \$ 19,973K           |
| Pecks Run              | 95             | \$ 7,627K            |

# Region 8 Communities

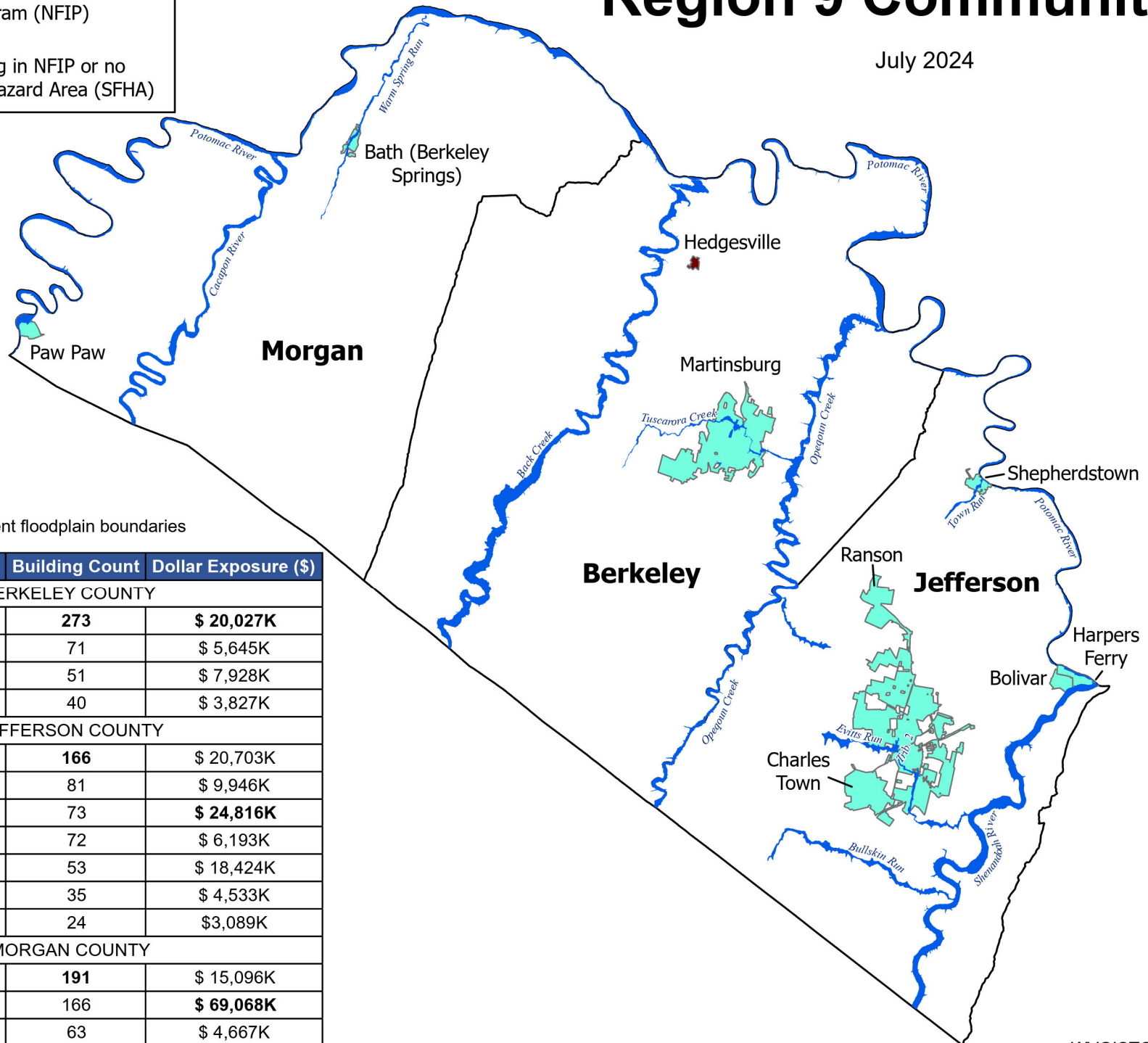
July 2024



# Region 9 Communities

July 2024

- Participating in National Flood Insurance Program (NFIP)
- Not Participating in NFIP or no Special Flood Hazard Area (SFHA)



\*\*Blue polygons represent floodplain boundaries

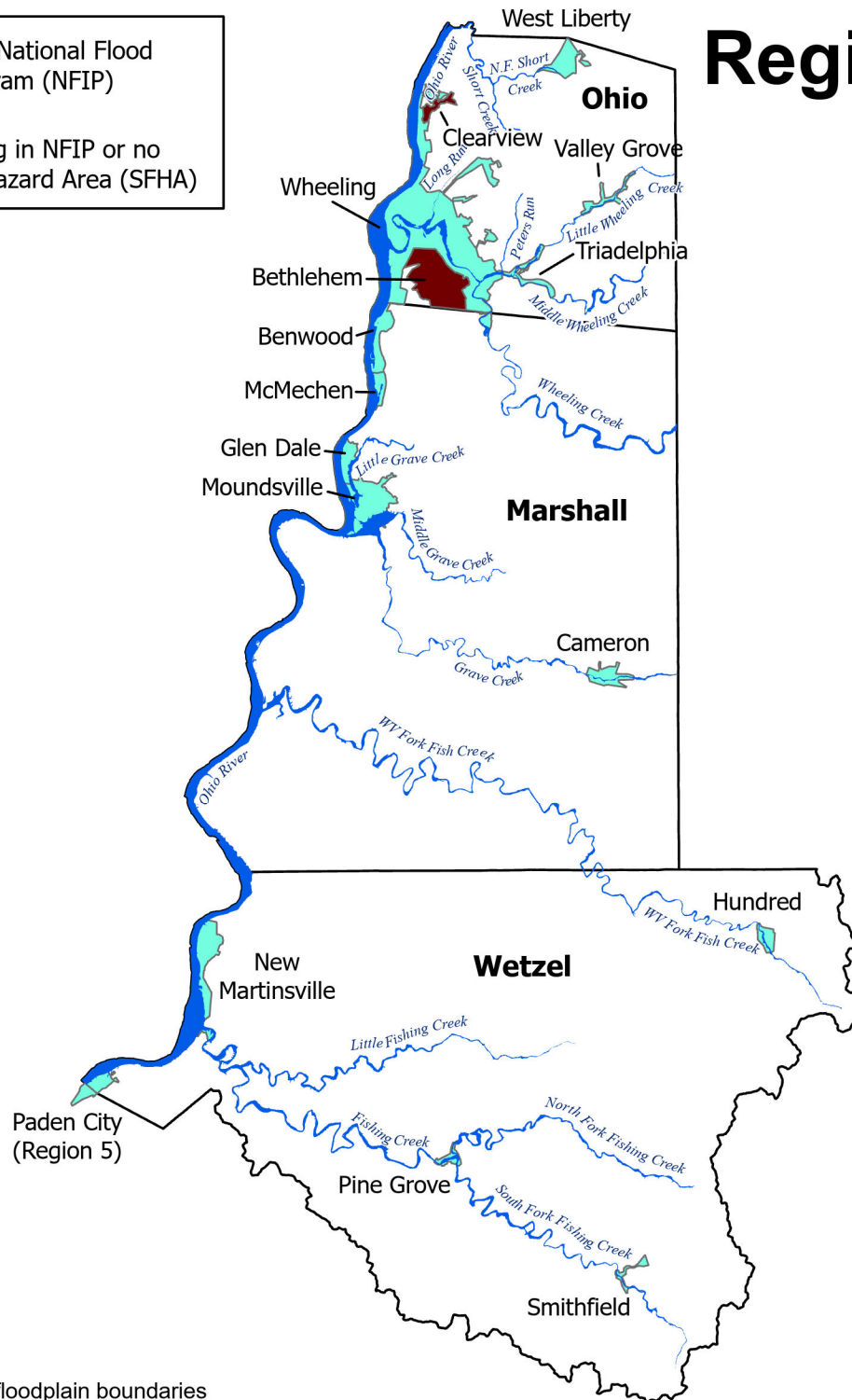
| Flood Source           | Building Count | Dollar Exposure (\$) |
|------------------------|----------------|----------------------|
| BERKELEY COUNTY        |                |                      |
| <b>Potomac River</b>   | <b>273</b>     | <b>\$ 20,027K</b>    |
| Back Creek             | 71             | \$ 5,645K            |
| Tuscarora Creek        | 51             | \$ 7,928K            |
| Opequon Creek          | 40             | \$ 3,827K            |
| JEFFERSON COUNTY       |                |                      |
| <b>Potomac River</b>   | <b>166</b>     | <b>\$ 20,703K</b>    |
| Shenandoah River       | 81             | \$ 9,946K            |
| <b>Town Run</b>        | <b>73</b>      | <b>\$ 24,816K</b>    |
| Evitts Run Tributary 2 | 72             | \$ 6,193K            |
| Evitts Run             | 53             | \$ 18,424K           |
| Bullskin Run           | 35             | \$ 4,533K            |
| Opequon Creek          | 24             | \$3,089K             |
| MORGAN COUNTY          |                |                      |
| <b>Cacapon River</b>   | <b>191</b>     | <b>\$ 15,096K</b>    |
| <b>Warm Spring Run</b> | <b>166</b>     | <b>\$ 69,068K</b>    |
| Potomac River          | 63             | \$ 4,667K            |

# Region 10 Communities

July 2024

Participating in National Flood Insurance Program (NFIP)

Not Participating in NFIP or no Special Flood Hazard Area (SFHA)



| Flood Source             | Building Count | Dollar Exposure (\$) |
|--------------------------|----------------|----------------------|
| MARSHALL COUNTY          |                |                      |
| Ohio River               | 412            | \$ 55,675K           |
| Middle Grave Creek       | 399            | \$ 38,881K           |
| Grave Creek              | 199            | \$ 18,883K           |
| Little Grave Creek       | 113            | \$ 63,333K           |
| Fork Fish Creek          | 85             | \$ 24,863K           |
| OHIO COUNTY              |                |                      |
| Ohio River               | 1,917          | \$ 228,812K          |
| Wheeling Creek           | 679            | \$ 115,509K          |
| Little Wheeling Creek    | 326            | \$ 21,620K           |
| Short Creek              | 101            | \$ 2,976K            |
| Peters Run               | 70             | \$ 3,903K            |
| North Fork Short Creek   | 44             | \$ 2,545K            |
| Middle Wheeling Creek    | 39             | \$ 2,019K            |
| Long Run                 | 30             | \$ 20,773K           |
| WETZEL COUNTY            |                |                      |
| Ohio River               | 806            | \$ 117,079K          |
| Fishing Creek            | 206            | \$ 20,014K           |
| South Fork Fishing Creek | 144            | \$ 11,845K           |
| Little Fishing Creek     | 132            | \$ 6,816K            |
| North Fork Fishing Creek | 103            | \$ 6,798K            |
| Fork Fish Creek          | 94             | \$ 7,078K            |

\*\*Blue polygons represent floodplain boundaries

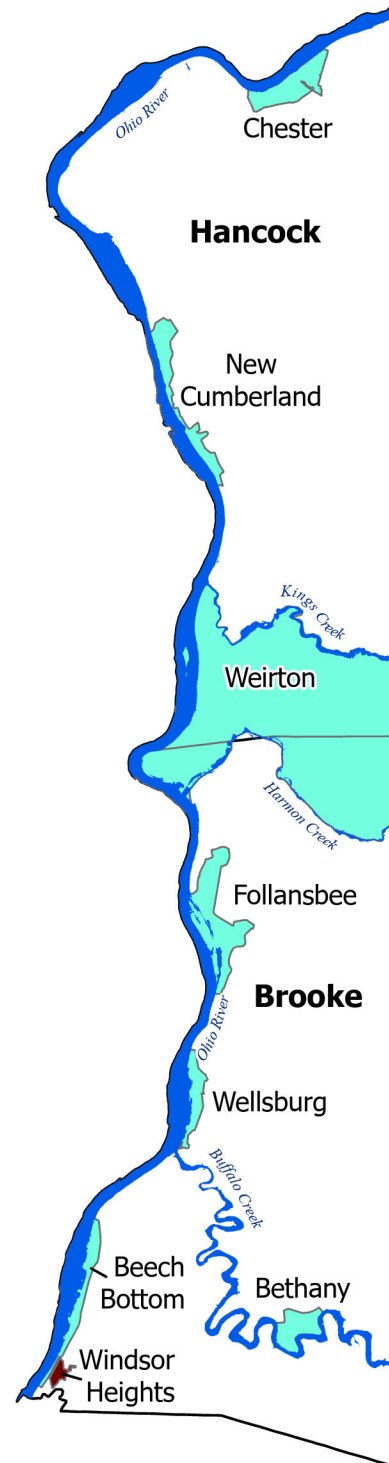
WVGISTC 1 July 2024



# Region 11 Communities

July 2024

-  Participating in National Flood Insurance Program (NFIP)
-  Not Participating in NFIP or no Special Flood Hazard Area (SFHA)



| Flood Source   | Building Count | Dollar Exposure (\$) |
|----------------|----------------|----------------------|
| BROOKE COUNTY  |                |                      |
| Ohio River     | 868            | \$ 110,590K          |
| Harmon Creek   | 89             | \$ 22,150K           |
| Buffalo Creek  | 44             | \$ 2,116K            |
| HANCOCK COUNTY |                |                      |
| Kings Creek    | 235            | \$ 17,292K           |
| Ohio River     | 177            | \$ 35,535K           |
| Harmon Creek   | 15             | \$ 5,059K            |

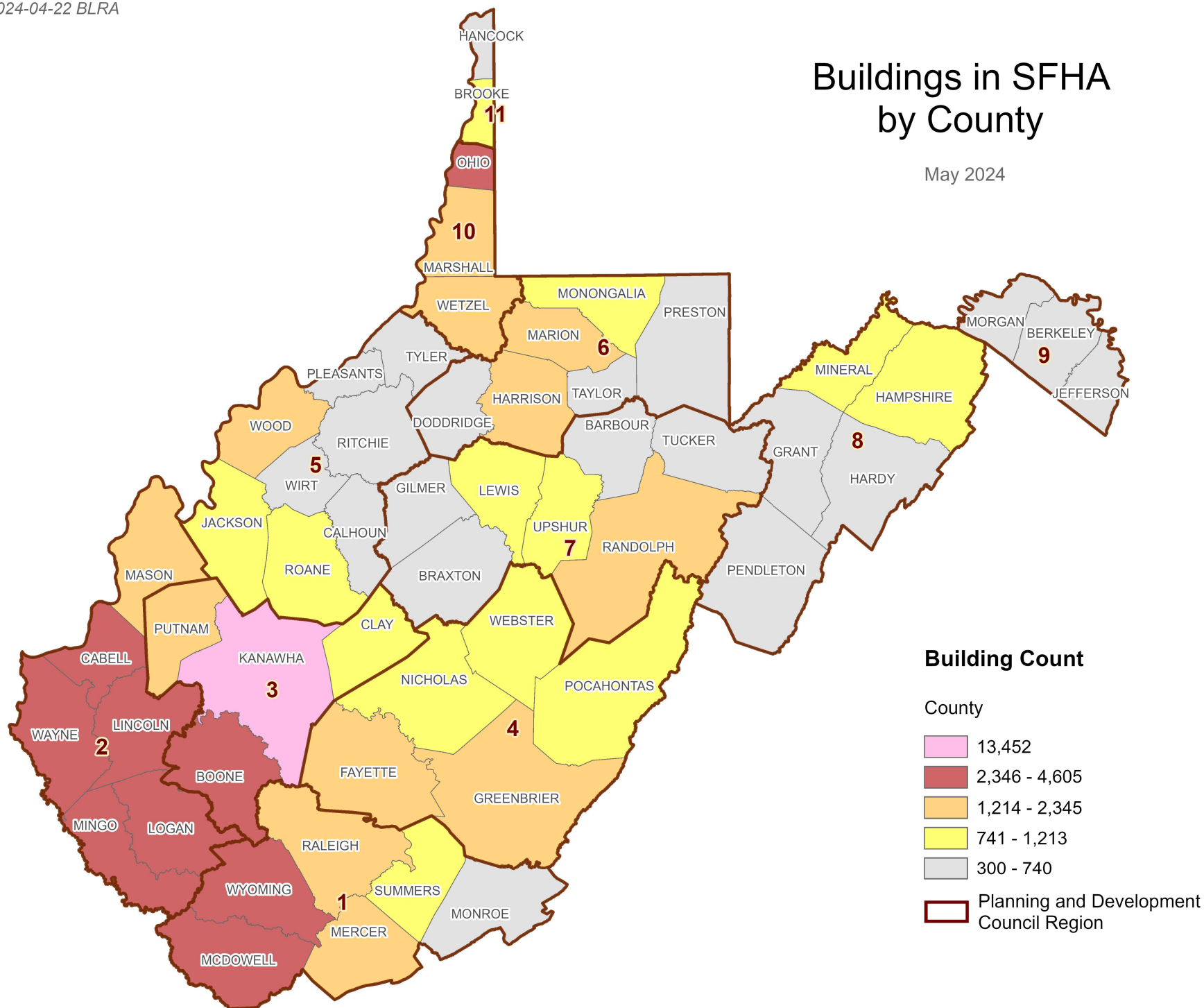
\*\*Blue polygons represent floodplain boundaries

WVGISTC 1 July 2024



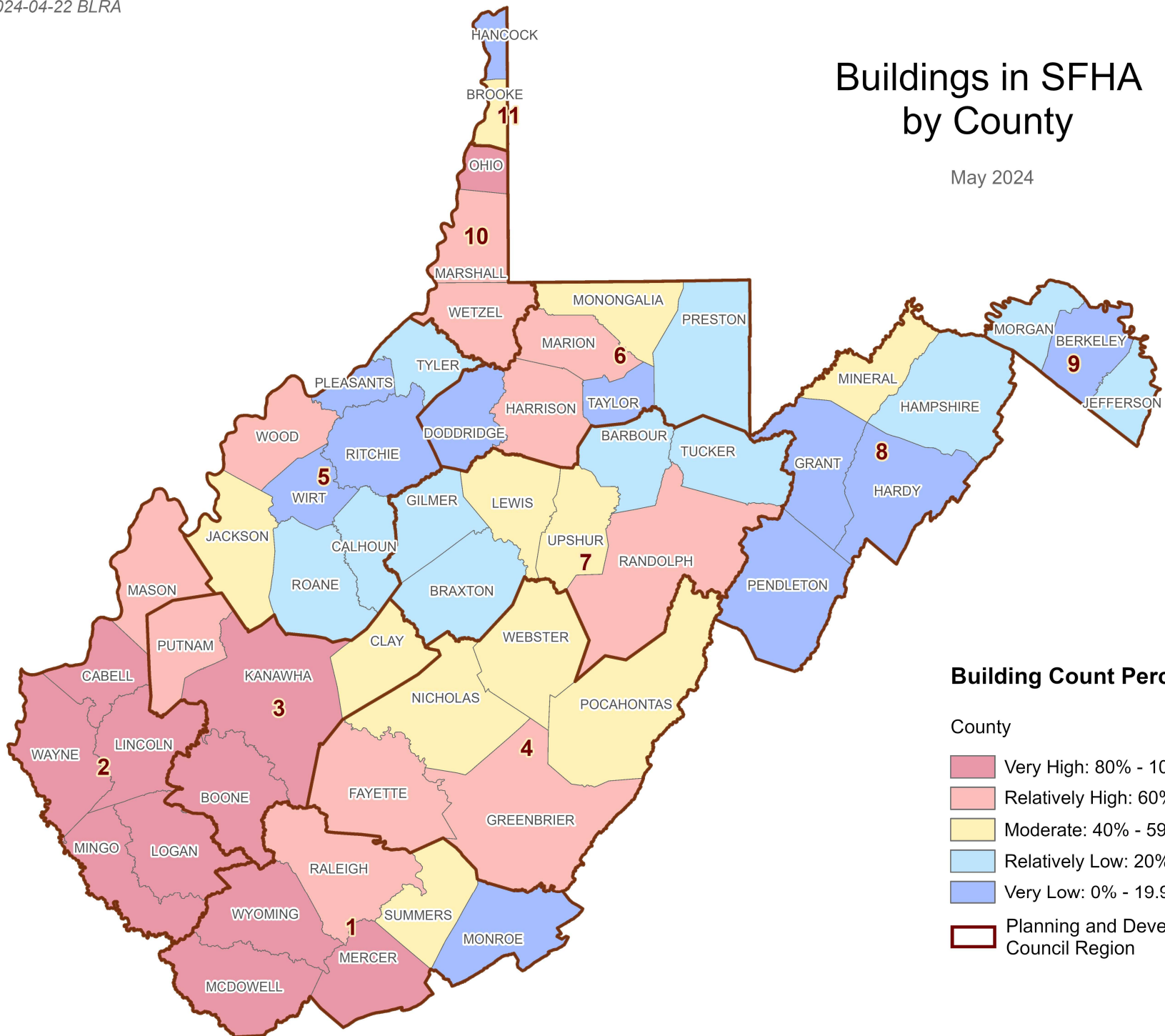
# Buildings in SFHA by County

May 2024



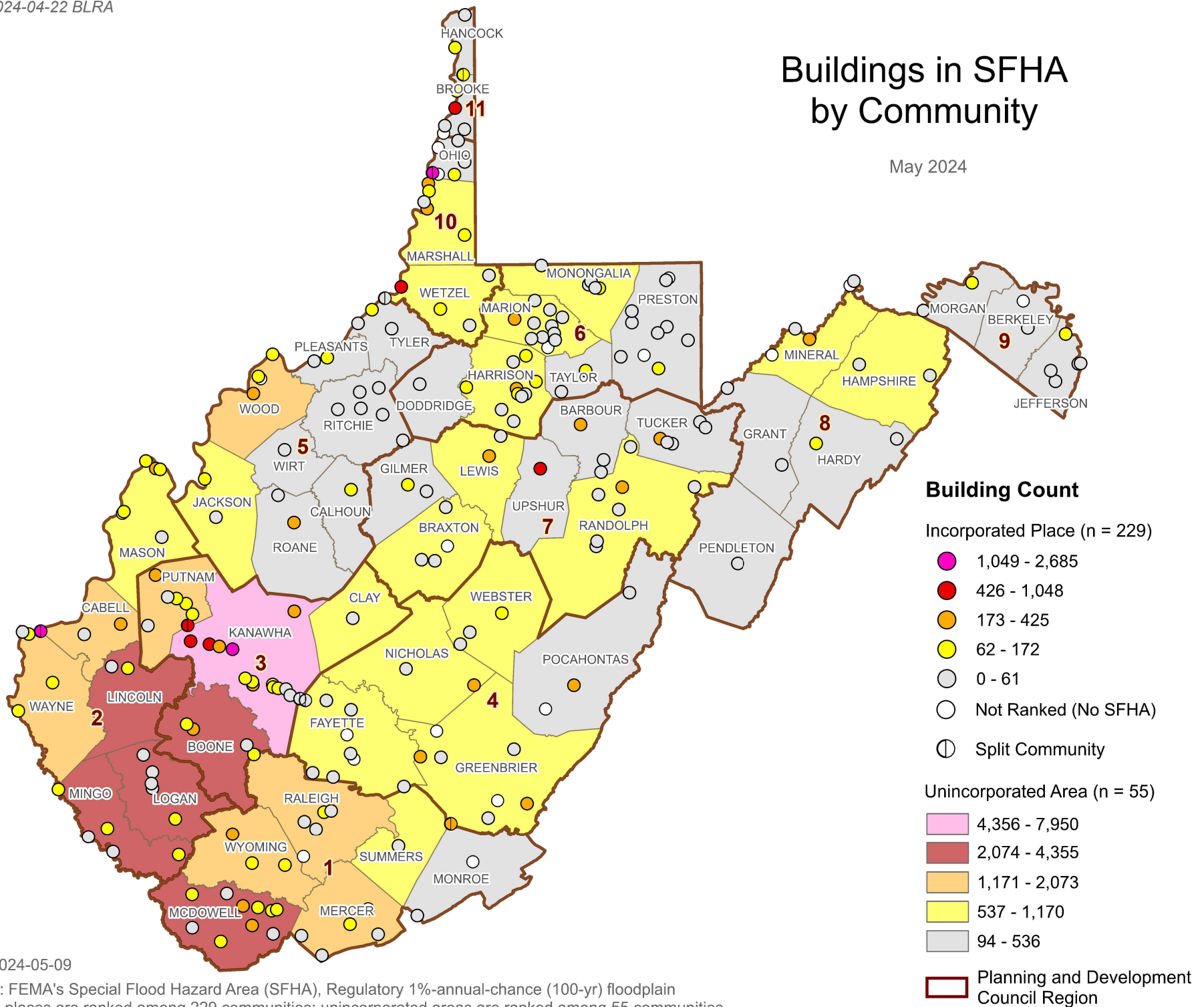
## Buildings in SFHA by County

May 2024



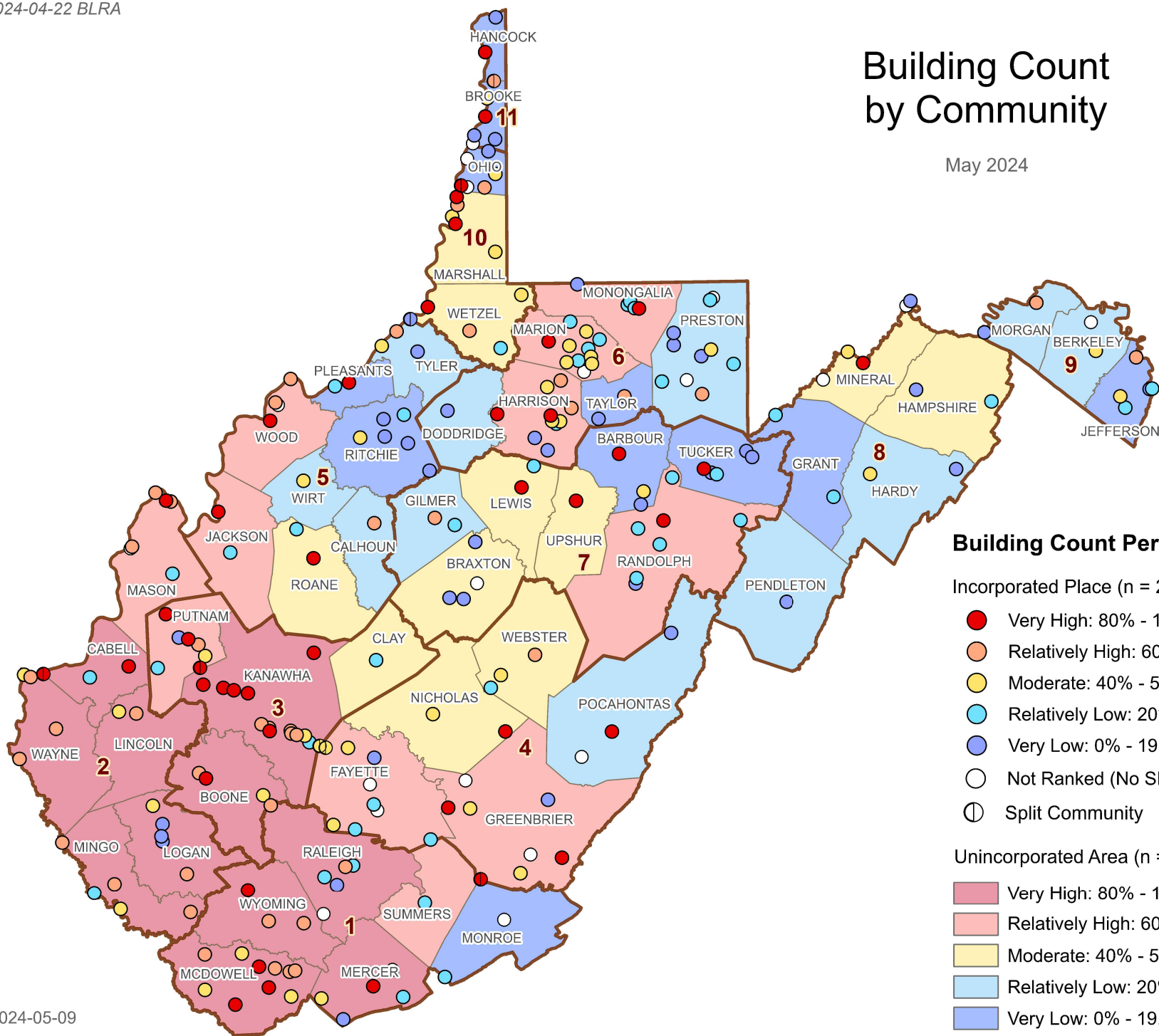
# Buildings in SFHA by Community

May 2024



# Building Count by Community

May 2024



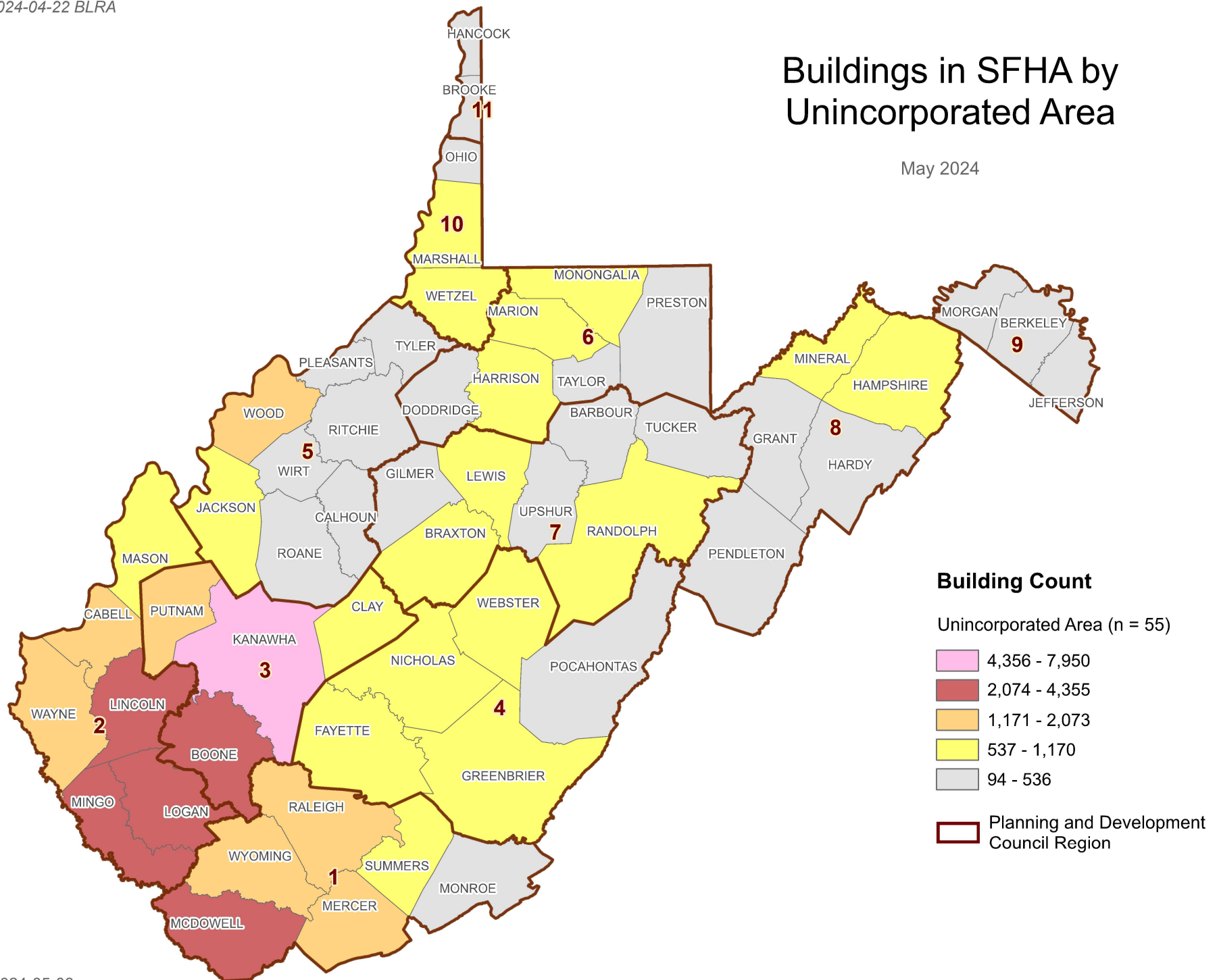
WVGISTC 2024-05-09

Data Source: FEMA's Special Flood Hazard Area (SFHA), Regulatory 1%-annual-chance (100-yr) floodplain  
Incorporated places are ranked among 229 communities; unincorporated areas are ranked among 55 communities



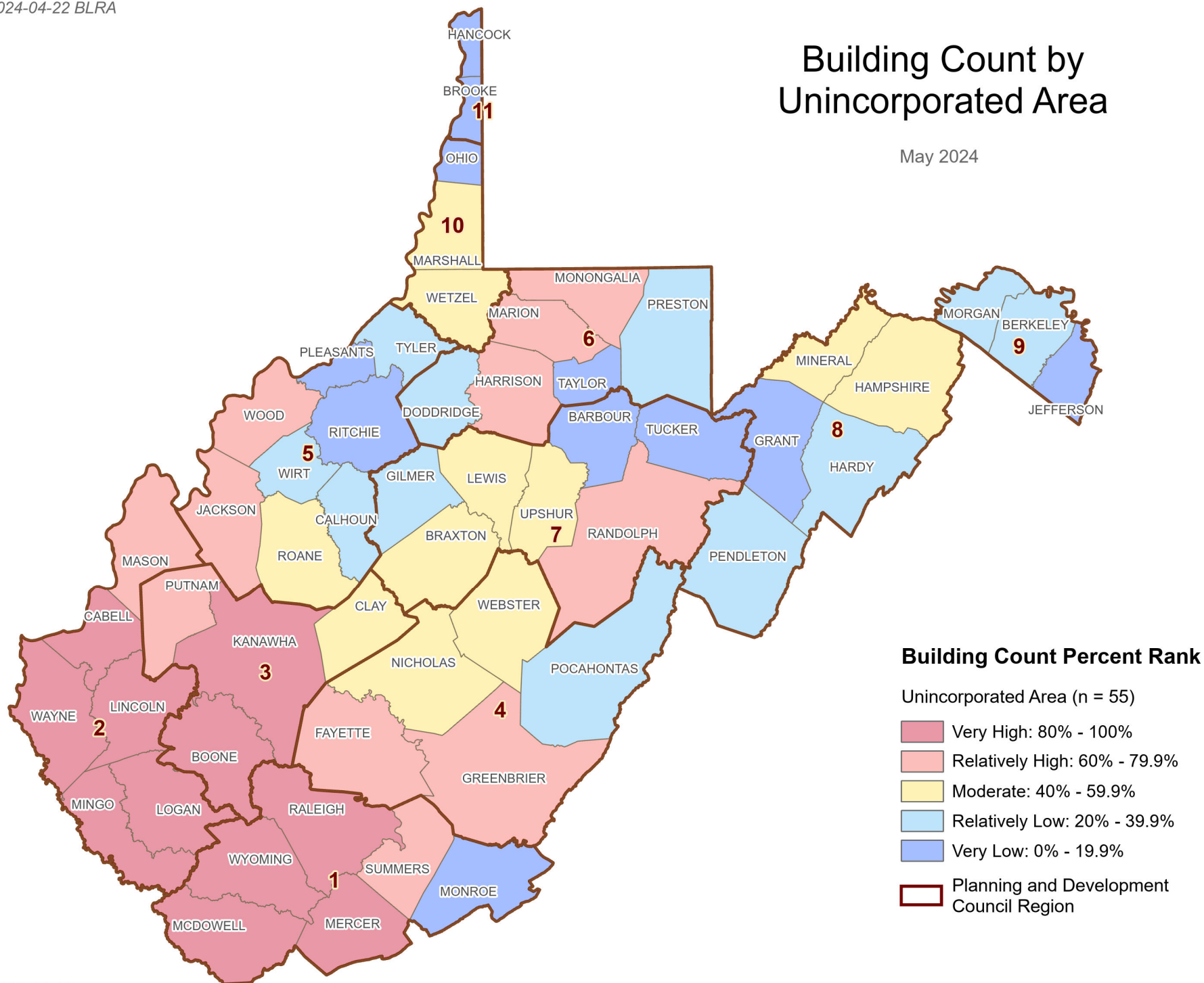
# Buildings in SFHA by Unincorporated Area

May 2024



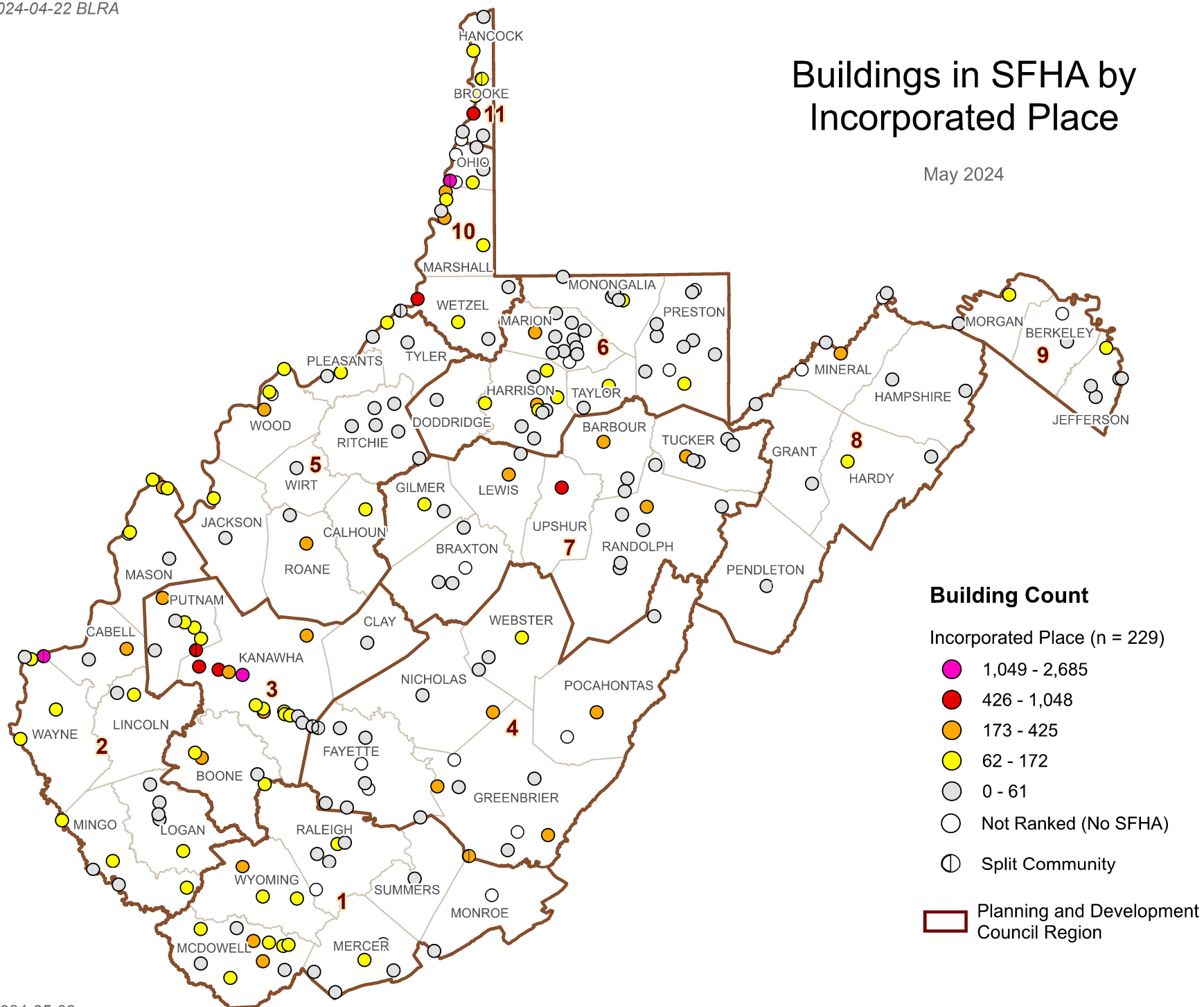
## Building Count by Unincorporated Area

May 2024



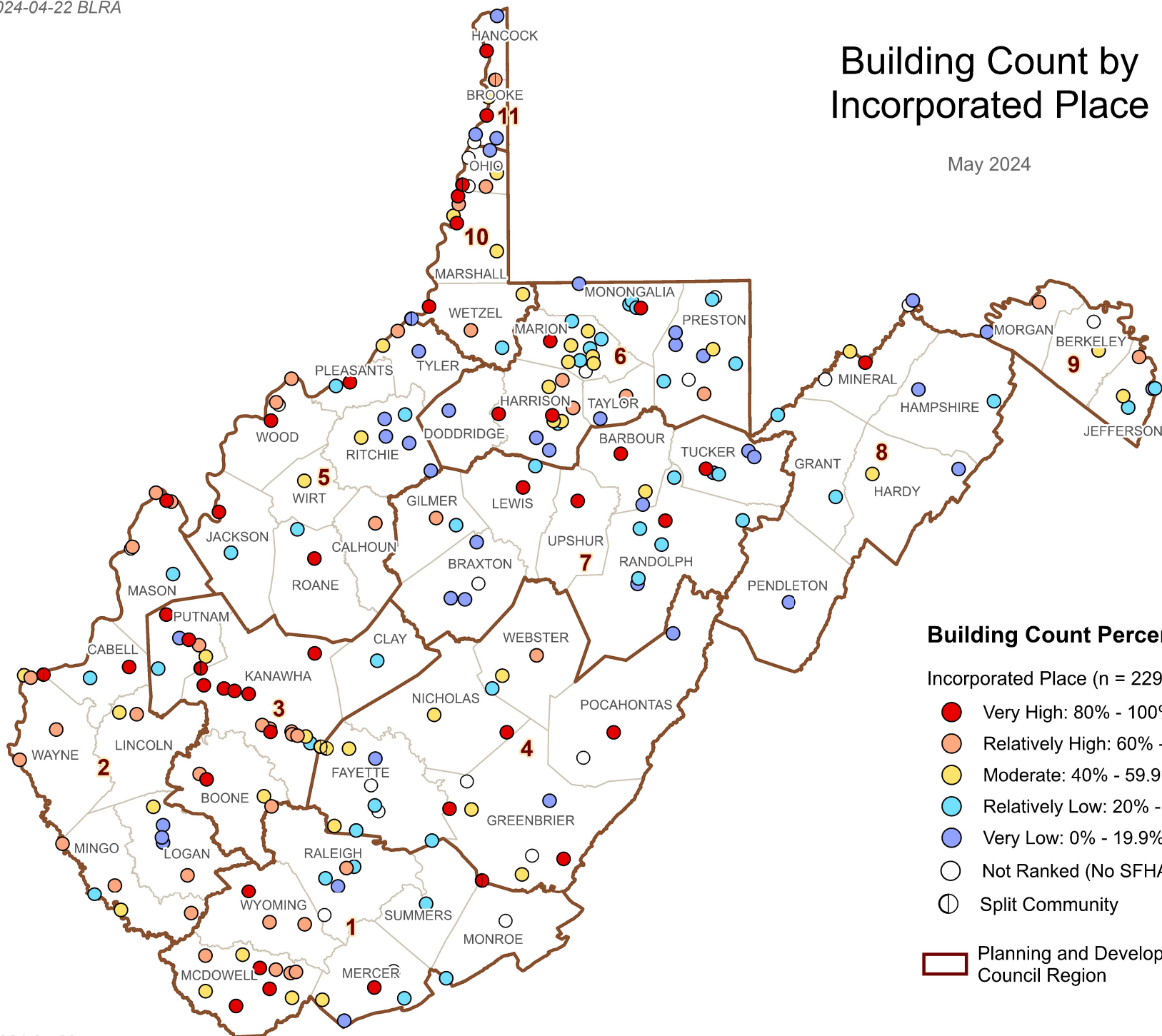
# Buildings in SFHA by Incorporated Place

May 2024



# Building Count by Incorporated Place

May 2024

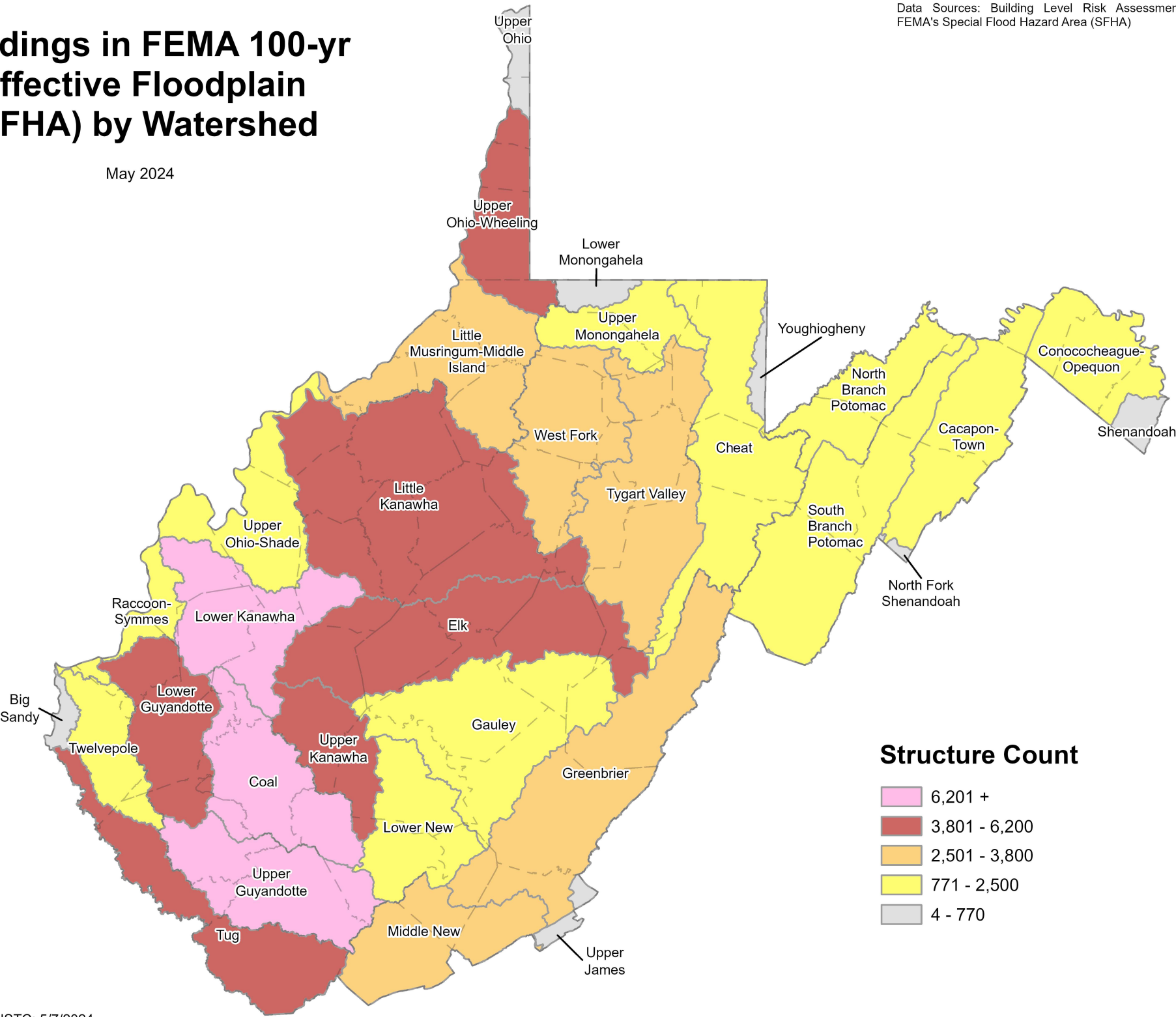




# Buildings in FEMA 100-yr Effective Floodplain (SFHA) by Watershed

May 2024

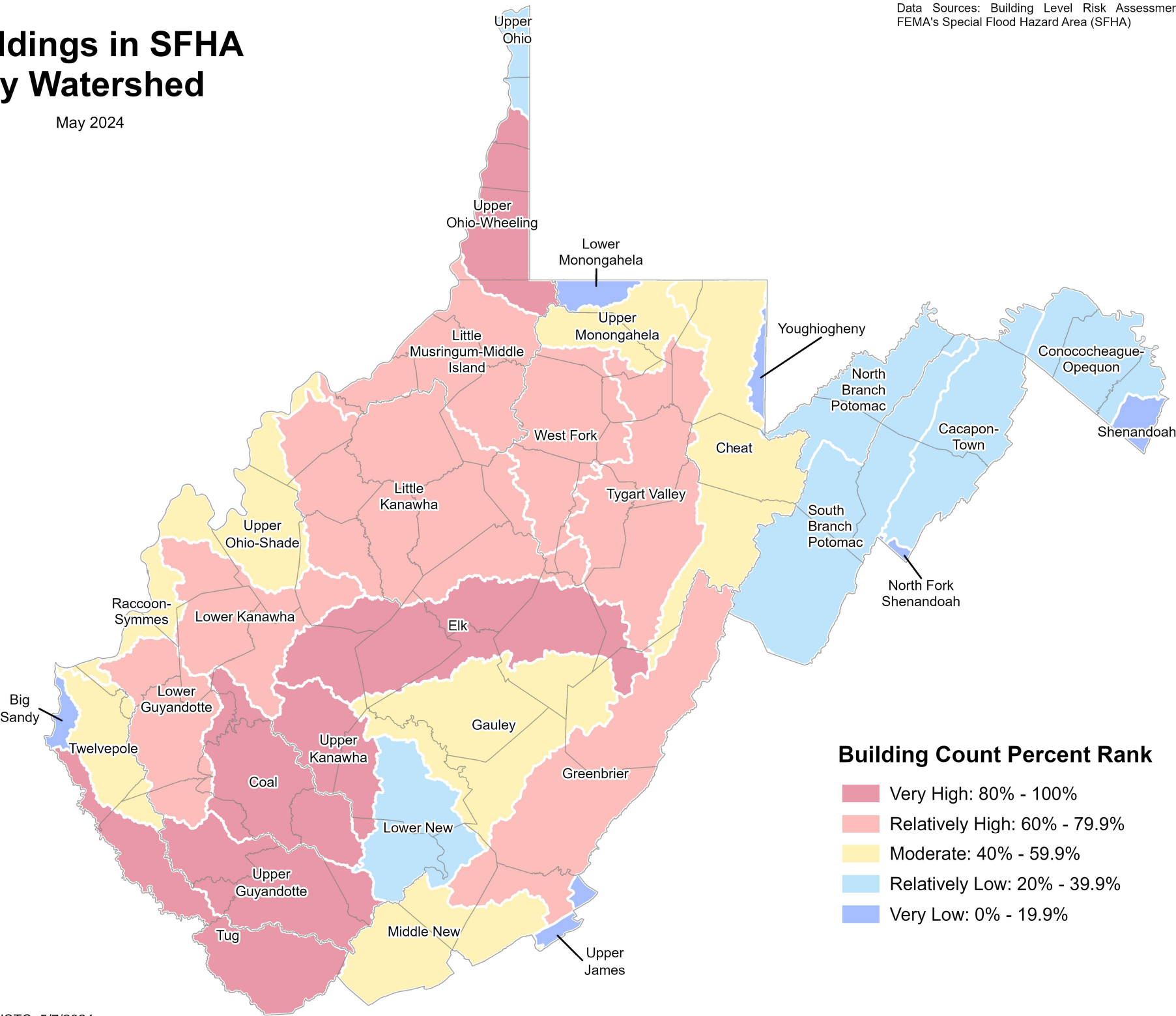
Data Sources: Building Level Risk Assessment (BLRA), FEMA's Special Flood Hazard Area (SFHA)



# Buildings in SFHA by Watershed

May 2024

Data Sources: Building Level Risk Assessment (BLRA),  
FEMA's Special Flood Hazard Area (SFHA)



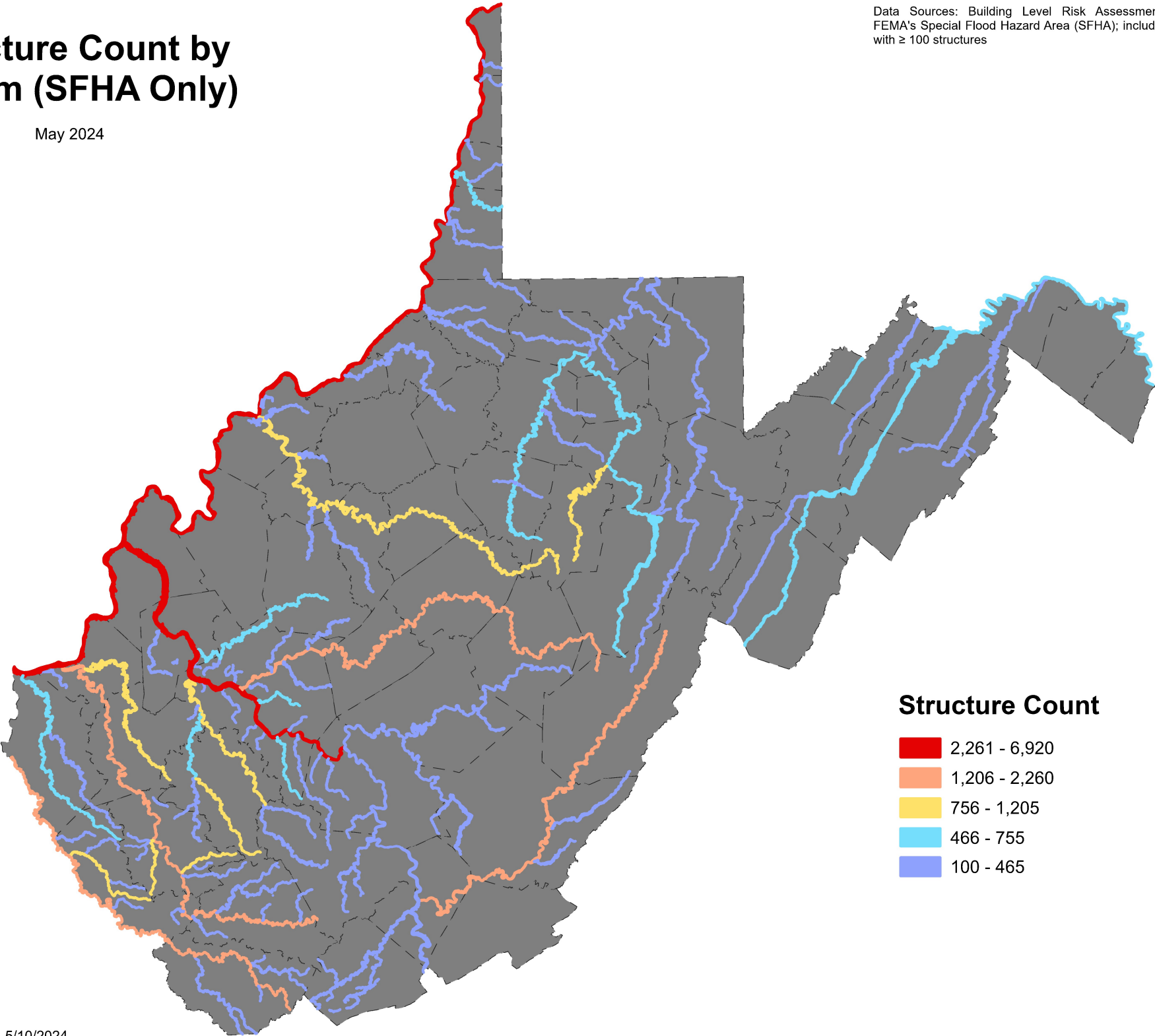
## Building Count Percent Rank

- Very High: 80% - 100%
- Relatively High: 60% - 79.9%
- Moderate: 40% - 59.9%
- Relatively Low: 20% - 39.9%
- Very Low: 0% - 19.9%

# Structure Count by Stream (SFHA Only)

May 2024

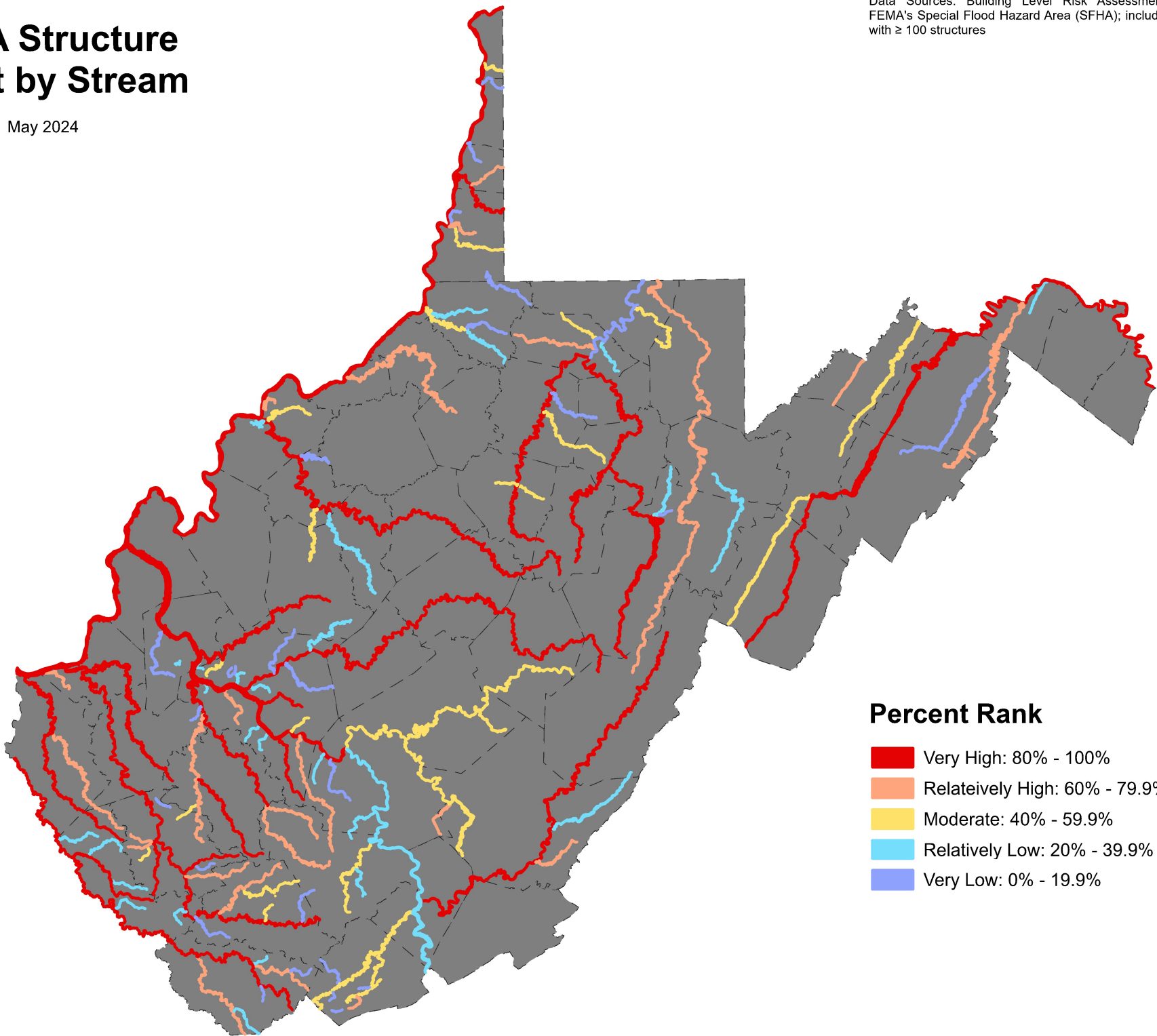
Data Sources: Building Level Risk Assessment (BLRA),  
FEMA's Special Flood Hazard Area (SFHA); includes streams  
with  $\geq 100$  structures



# SFHA Structure Count by Stream

May 2024

Data Sources: Building Level Risk Assessment (BLRA),  
FEMA's Special Flood Hazard Area (SFHA); includes streams  
with  $\geq 100$  structures



## Percent Rank

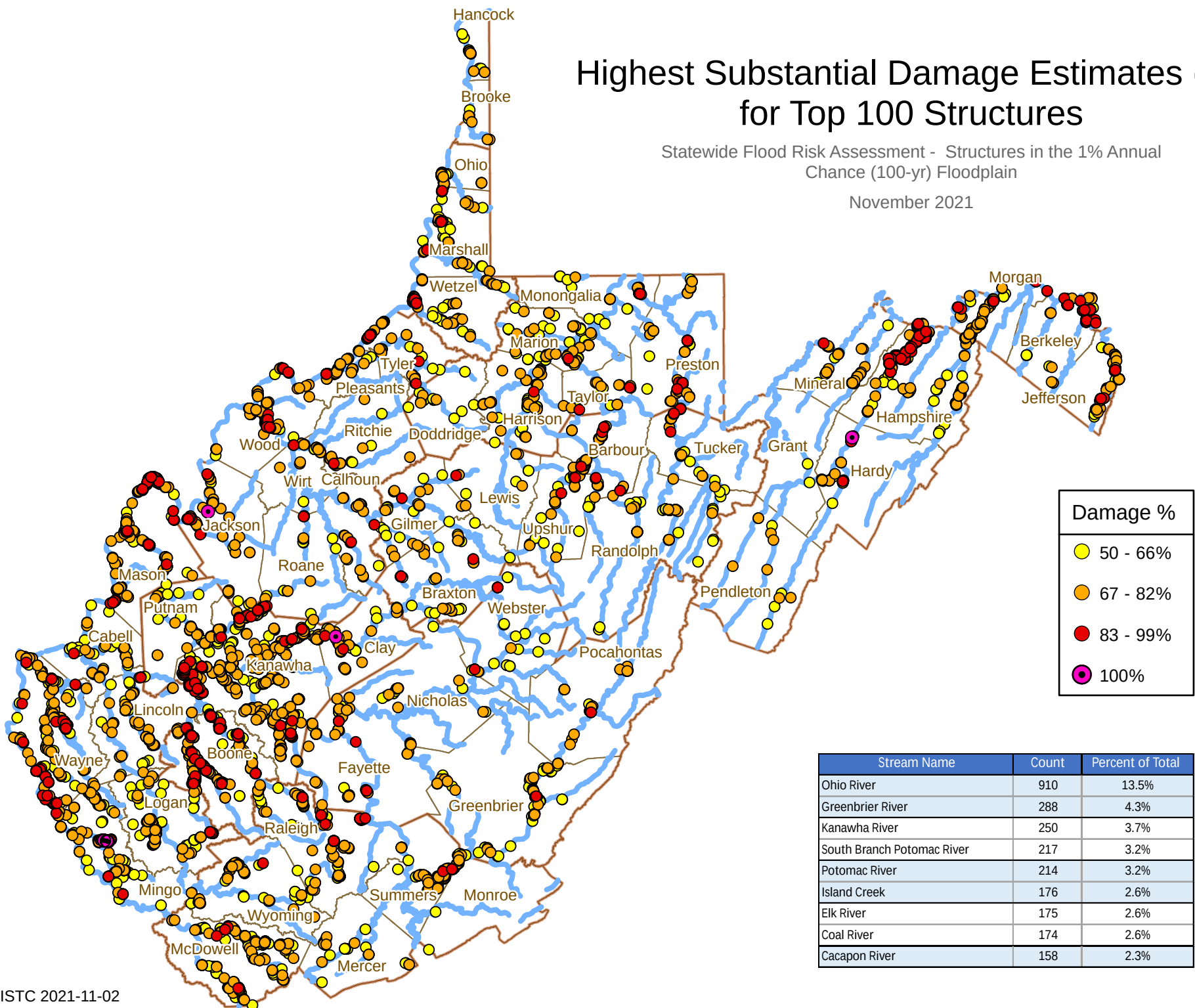
- Very High: 80% - 100%
- Relatively High: 60% - 79.9%
- Moderate: 40% - 59.9%
- Relatively Low: 20% - 39.9%
- Very Low: 0% - 19.9%



# Highest Substantial Damage Estimates (%) for Top 100 Structures

Statewide Flood Risk Assessment - Structures in the 1% Annual  
Chance (100-yr) Floodplain

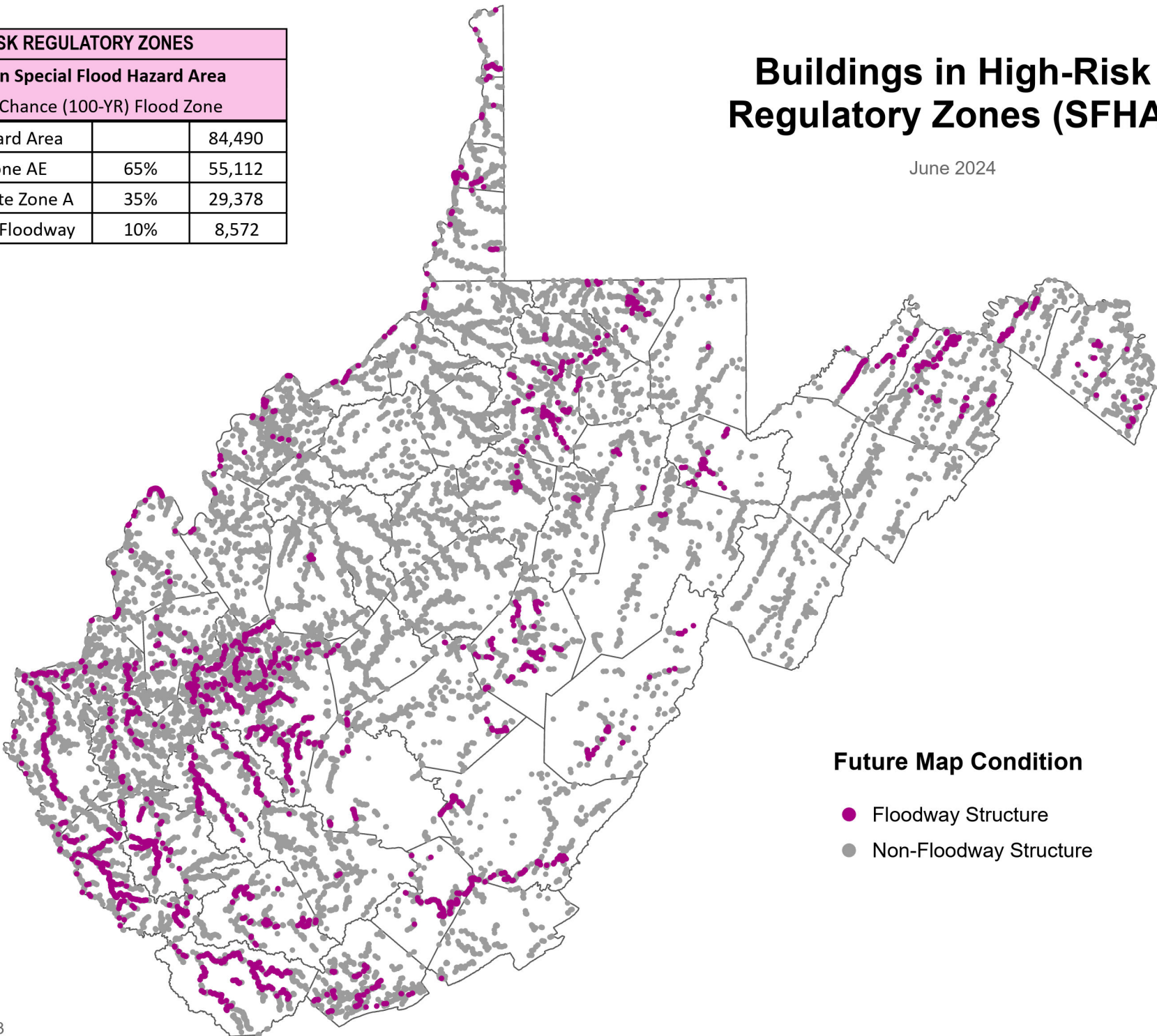
November 2021



| HIGH-RISK REGULATORY ZONES             |     |        |
|----------------------------------------|-----|--------|
| Buildings in Special Flood Hazard Area |     |        |
| 1% Annual Chance (100-YR) Flood Zone   |     |        |
| Special Flood Hazard Area              |     | 84,490 |
| • Detailed Zone AE                     | 65% | 55,112 |
| • Approximate Zone A                   | 35% | 29,378 |
| ○ Zone AE Floodway                     | 10% | 8,572  |

# Buildings in High-Risk Regulatory Zones (SFHA)

June 2024





| HIGH-RISK ADVISORY FLOOD ZONES             |     |         |
|--------------------------------------------|-----|---------|
| Includes Buildings in Non-Regulatory Zones |     |         |
| Future Map 1% AEP (100-YR) Flood Zones     |     |         |
| High-Risk Flood Zones                      |     | 97,936  |
| • Mapped No Change                         | 70% | 69,093  |
| • Mapped out SFHA                          | 16% | -15,528 |
| • Mapped in SFHA (non-regulatory)*         | 14% | 13,315  |
| • SFHA net change                          | -2% | -2,213  |
| Structures est. in SFHA                    |     | 82,408  |

\*54 counties have Advisory A / AE Flood Zones

# Buildings in High-Risk Advisory Flood Zones

June 2024

