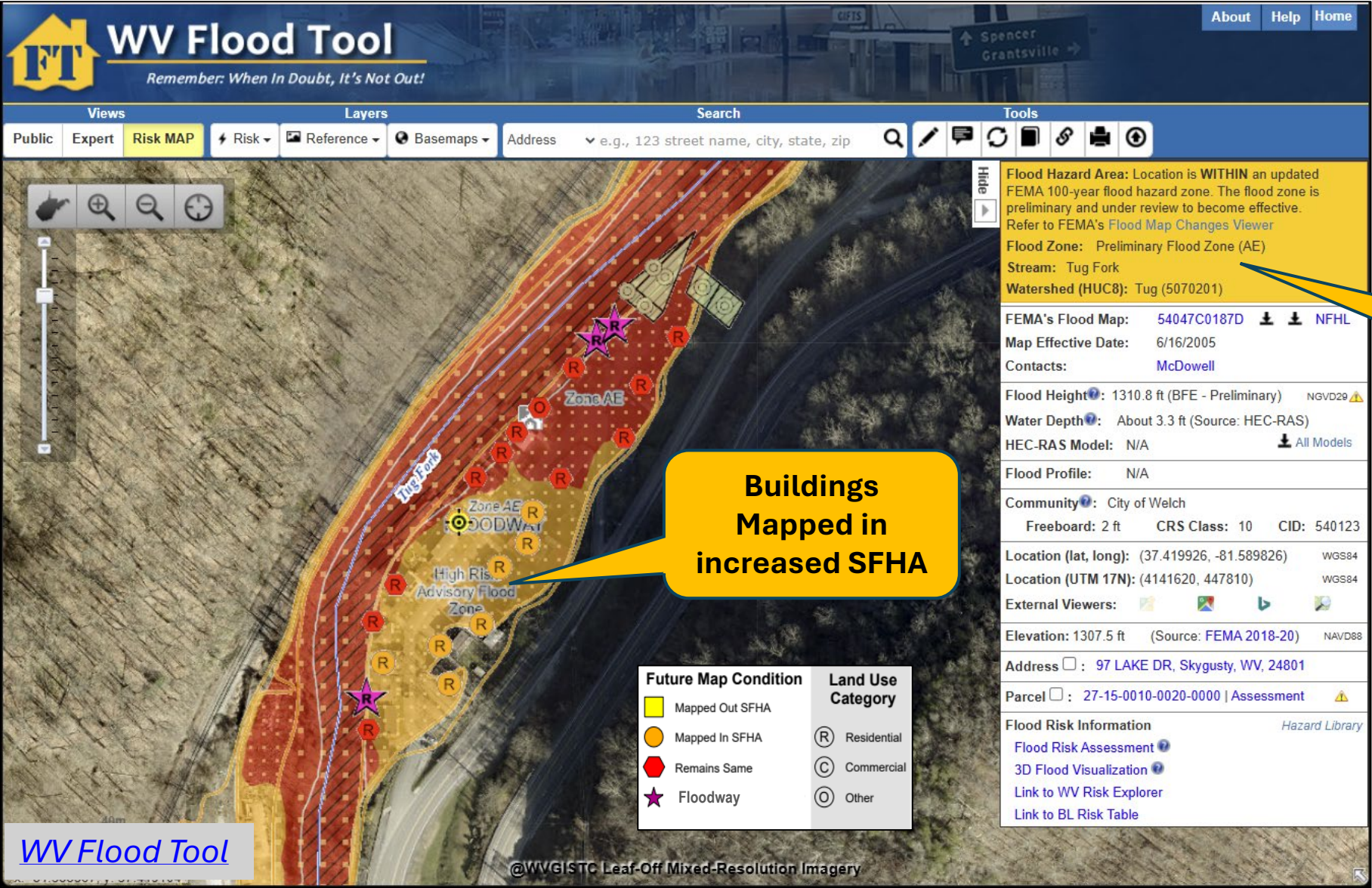


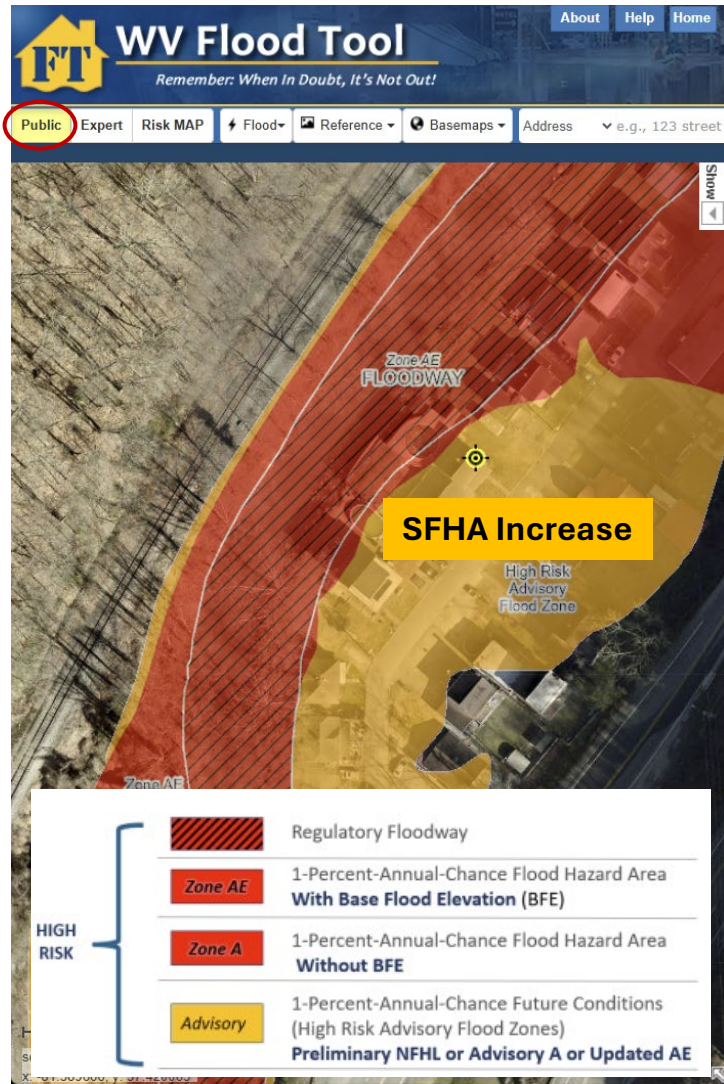
Map Changes on WV Flood Tool (McDowell County)



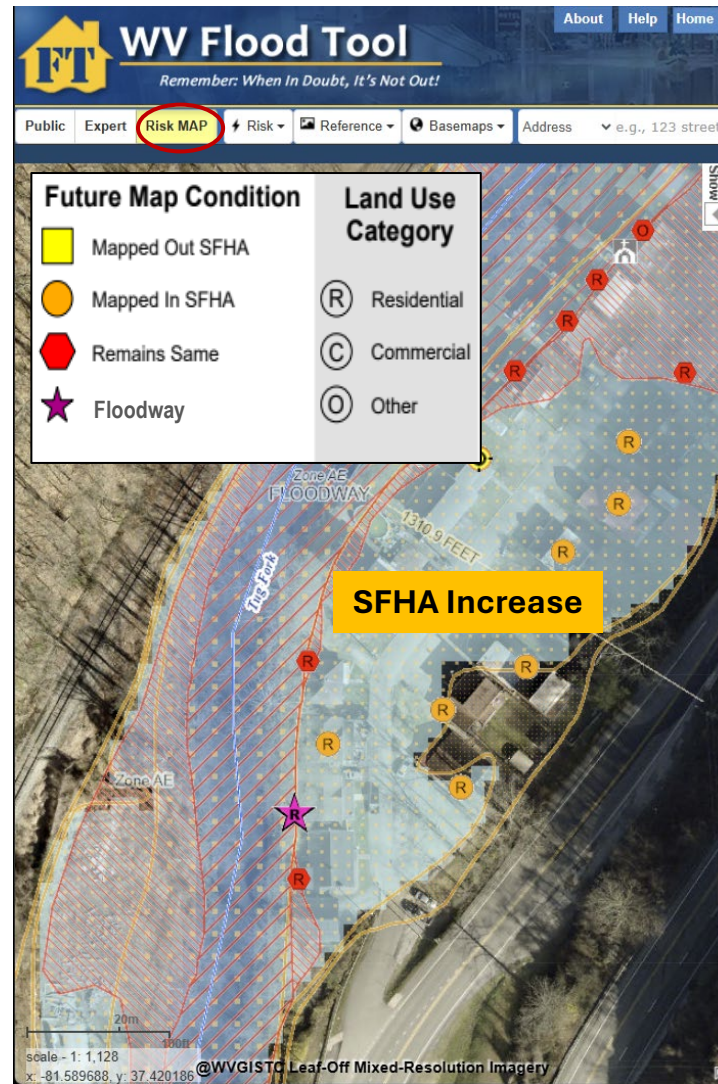
**Preliminary Flood Zone
(increased SFHA)**

*Orange-colored
floodplains and
buildings on the
WV Flood Tool
denote newly
mapped Special
Flood Hazard Area
(SFHA)*

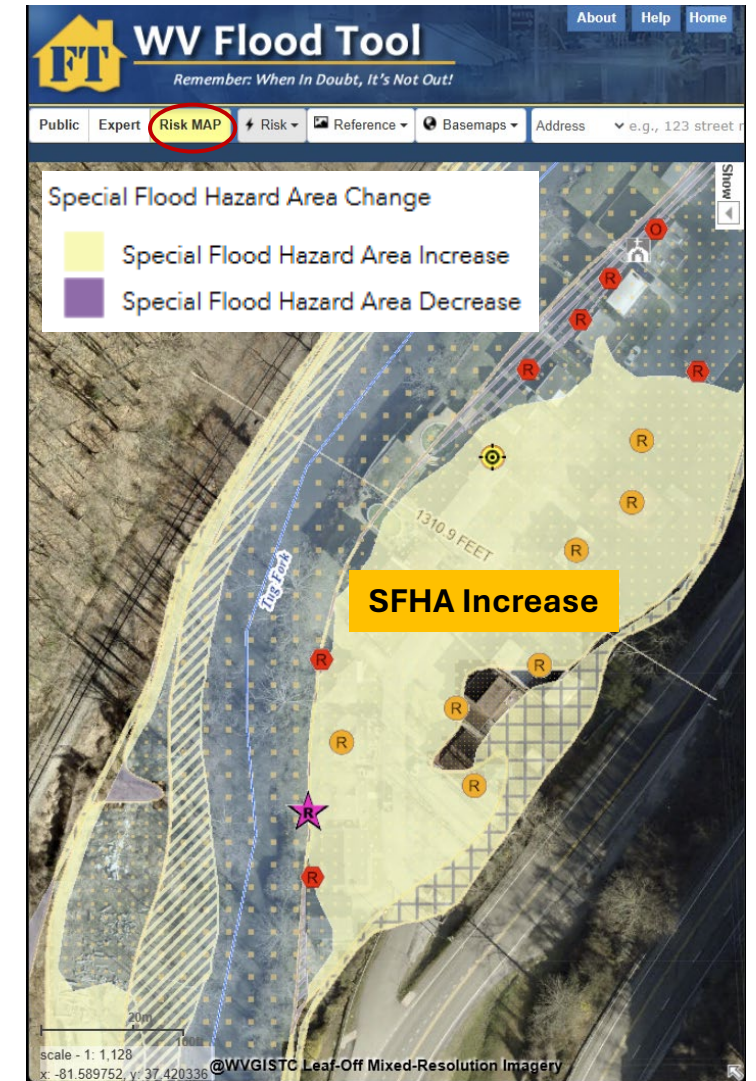
Map Changes on WV Flood Tool



Public View – Floodplains
SFHA Increase (orange)



Risk MAP View – Primary Structures
Buildings Mapped in SFHA (orange)



Risk MAP View – CSLF Layer
SFHA Increase (yellow)

Property-Level Risk: 3,429 Primary Structures

- **SFHA:** More buildings expected to be mapped in (+1,280) the SFHA than mapped out (-418)
- **Floodway:** 121 buildings are newly mapped in the expanded Regulatory Floodway
- **Flood Depths:** Buildings with highest flood depths (> 10 ft.) are along the Tug Fork & Elkhorn Creek

PRELIMINARY FLOODPLAIN BUILDING COUNTS		Special Flood Hazard Area (SFHA) 1% Annual Chance (100-Yr) Floodplain			
Community	Remaining in SFHA	Newly Mapped in SFHA*	Newly Mapped Out SFHA*	Total Structures in New SFHA	SFHA Net Change
Anawalt, Town of	46	6	1	52	+5
Bradshaw, Town of	20	31	0	51	+31
Davy, Town of	49	3	4	52	-1
Gary, City of	230	12	40	242	-28
laeger, Town of	44	15	3	59	+12
Keystone, Town of	68	3	16	71	-13
Kimball, Town of	61	2	13	63	-11
Northfork, Town of	124	15	3	139	+12
War, Town of	74	31	7	105	+24
Welch, City of	285	67	39	352	+28
McDowell County* (Unincorporated)	1,148	1,095	292	2,243	+803
<i>Total</i>	2,149	1,280	418	3,429	+862

[BLRA Link](#)

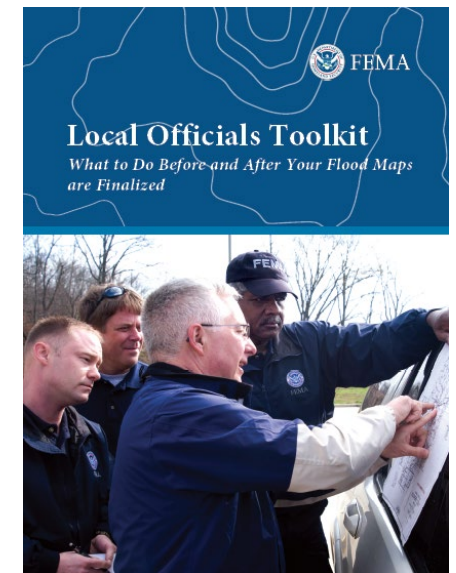
[BLRA Link](#)

[BLRA Link](#)

Floodway	
Total Floodway	Floodway Net Change*
21	+1
3	+1
5	0
23	+3
1	0
16	+3
28	+3
23	+18
19	+12
113	+25
158	+55
410	+121

[BLRA Link](#)

[BLRA Link](#)



**Local Officials can mail
**SFHA Map Change
Letters** of which the State
NFIP Office can assist*

Property-Level Risk: 169 Significant Structures



West Virginia Risk Explorer

Localized risk assessment tools for analysis and visualization

☒ Essential Facility
 ☒ Community Asset Non-Historical
 ☒ Community Asset Historical

169 Records Selected. [Web link to online report](#)

SPATIAL IDENTIFIERS	SIGNIFICANT STRUCTURES	GEOGRAPHIC UNITS		BUILDING DAMAGE ESTIMATE
		Community	Stream	
FT	Welch Commercial Historic District	Welch - Incorporated	Tug Fork	10.2 Ft
FT	Jan-Care of Guardian Angel	Welch - Incorporated	Browns Creek	9.5 Ft
FT	Nebo Missionary Baptist Church	Kimball - Incorporated	Elkhorn Creek	8.1 Ft
FT	Long Point Baptist Church	Anawalt - Incorporated	Tug Fork	7.7 Ft
FT	Welch Church of Christ	Welch - Incorporated	Browns Creek	7.6 Ft
FT	Shiloh Baptist Church of Maitland	McDowell County* - Unincorporated	Elkhorn Creek	7.3 Ft
FT	United States Postal Service	Bradshaw - Incorporated	Bradshaw Creek	6.2 Ft
FT	Zion Church of Christ	McDowell County* - Unincorporated	Tug Fork	6.1 Ft
FT	Little Rock Church of Christ	Northfork - Incorporated	North Fork Elkhorn Creek	6.0 Ft
FT	Berwind Revival Center	McDowell County* - Unincorporated	Dry Fork	5.8 Ft

Building Risk Tool: 31 Essential Facilities & 138 Community Assets



2025 Flooding of Jan-Care EMS

Essential facilities: Defined as K-12 schools, hospitals, nursing homes, fire/police stations, and E-911 offices. McDowell Co. #2 in State.

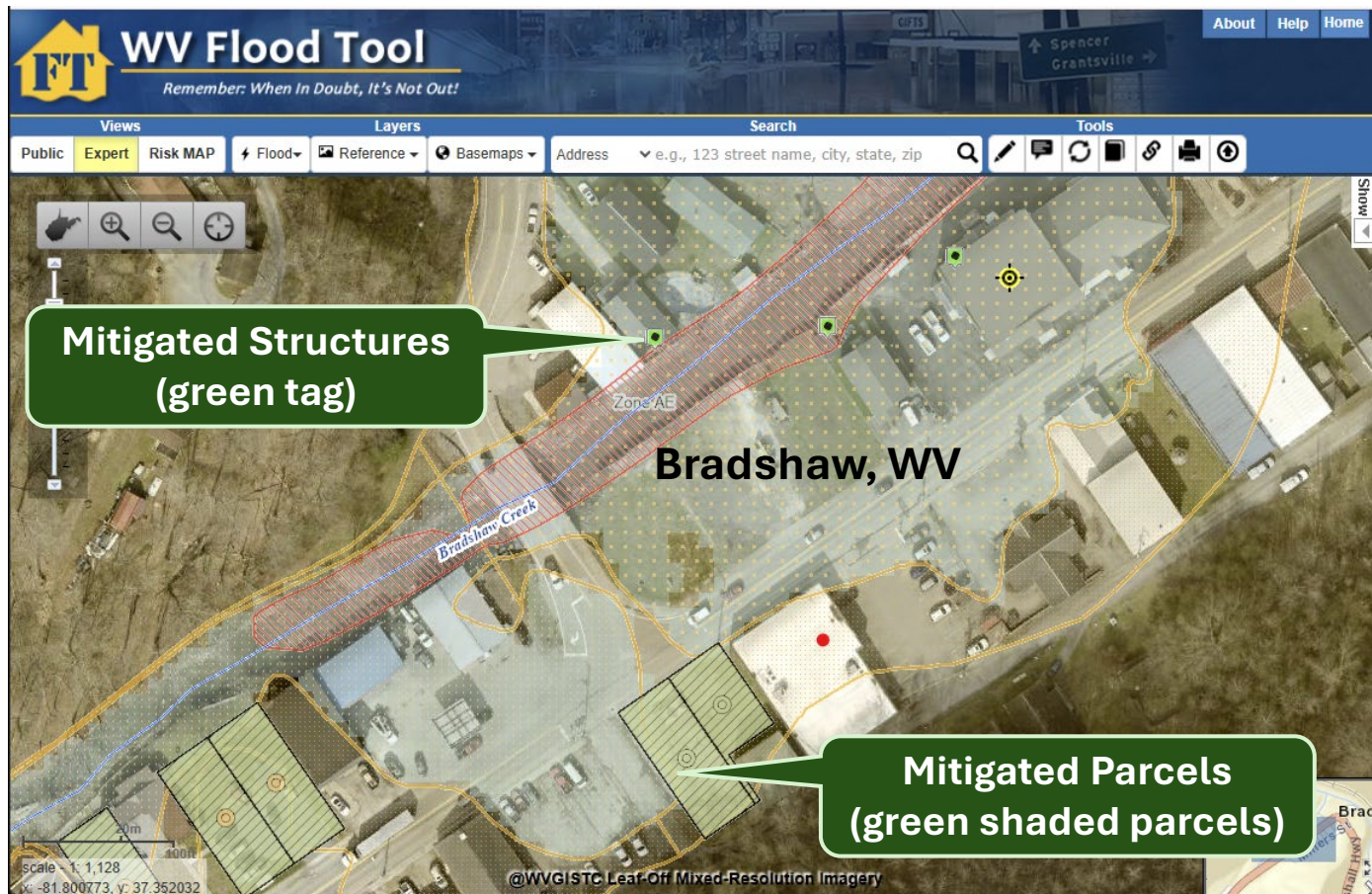
- 4 essential facilities have been **Mapped In** the high-risk floodplain
- 11 essential facilities have been **Mapped Out** of the high-risk floodplain

Note: Essential facilities are mapped to the 0.2% Annual Chance (500-yr) floodplain

Property-Level Mitigation: Estimated Loss Avoidance = \$125 Million

- **Open Space Preservation:** McDowell County has the highest density of open space parcels in the state. Federal sponsors of voluntary buyout programs include the FEMA, USACE, and NRCS.
- **Mitigated Structures:** Floodproofed buildings via USACE Section 202 projects

Mitigated Tools: [WV Flood Tool](#) | [Mitigated Structures](#) & [Open Space](#) Dashboards



Elevated Town Hall / Police Station (Bradshaw)



Elevated Residential Structure (Bradshaw)

WV Flood Resiliency Tools (www.WVFRF.org)



[WV Risk Explorer](#)



[WV Flood Tool](#)



[WV Property Viewer](#)



[WV Hazard Library](#)

Cumulative Flood Risk Rankings – Multiple Scales

Geographic Scale	Geographic Entity	Rank	Total Entities in State	Indicator Rating	Risk Score	Top 20%
Region	PDC Region 1	3	11	VERY HIGH	80.0%	Yes
County	McDowell County	3	55	VERY HIGH	96.2%	Yes
Unincorporated Area	McDowell - Unincorporated	4	55	VERY HIGH	94.4%	Yes
Incorporated Place	Kimball - Incorporated	5	229	VERY HIGH	98.2%	Yes
	Northfork - Incorporated	8	229	VERY HIGH	96.9%	Yes
	Keystone - Incorporated	13	229	VERY HIGH	94.7%	Yes
	Gary - Incorporated	15	229	VERY HIGH	93.8%	Yes
	Welch - Incorporated	22	229	VERY HIGH	90.7%	Yes
	War - Incorporated	30	229	VERY HIGH	87.2%	Yes
	Davy - Incorporated	47	229	Relatively High	79.8%	
	Iaeger - Incorporated	49	229	Relatively High	78.9%	
	Anawalt - Incorporated	51	229	Relatively High	78.0%	
	Bradshaw - Incorporated	62	229	Relatively High	73.2%	
Watershed	Tug Fork Watershed	3	33	VERY HIGH	93.7%	Yes
Rivers/Streams	Tug Fork	22	156	VERY HIGH	86.4%	Yes
	Elkhorn Creek	26	156	VERY HIGH	83.8%	Yes
	Dry Fork	35	156	Relatively High	78.0%	

Riverine flood risk rankings from August 2024 analysis.
Risk data supports hazard and emergency operations plans, mitigation grants, etc.

[County-Community Report](#) | [Risk Comparison Report](#)

Top 10% Flood Risk Factors and Scores for McDowell County

CATEGORY	FLOOD RISK INDICATOR	VALUE FOR MCDOWELL	INDICATOR SCORE (0 - 100%)	INDICATOR RATING	STATE RANKING
Building Exposure	Building Floodplain Count	3,479	96.2%	VERY HIGH	3
	Building Floodway Count	526	94.4%	VERY HIGH	3
	Building Floodplain Ratio	17.6%	92.5%	VERY HIGH	5
	Building Density	0.80 /Acre	96.2%	VERY HIGH	3
Building Characteristics	Bldg. Year Pre-FIRM Ratio	92.9%	100.0%	VERY HIGH	1
Critical Infrastructure	Essential Facilities	32	98.1%	VERY HIGH	2
	Roads Inundated Ratio	12.3%	92.5%	VERY HIGH	5
Community Assets	Community Assets Non-Historical	116	98.1%	VERY HIGH	2
Building Damage Loss	Bldg. Substantial Damage Count	226	88.8%	Very High	7
	Bldg. Previous Damage Claims	1,049	90.7%	VERY HIGH	6
People / Social Vulnerabilities	Population in Floodplain Ratio	45.0%	100.0%	VERY HIGH	1
	Population Displaced Ratio	30.4%	100.0%	VERY HIGH	1
	WV Social Vulnerability Index	-	100.0%	VERY HIGH	1

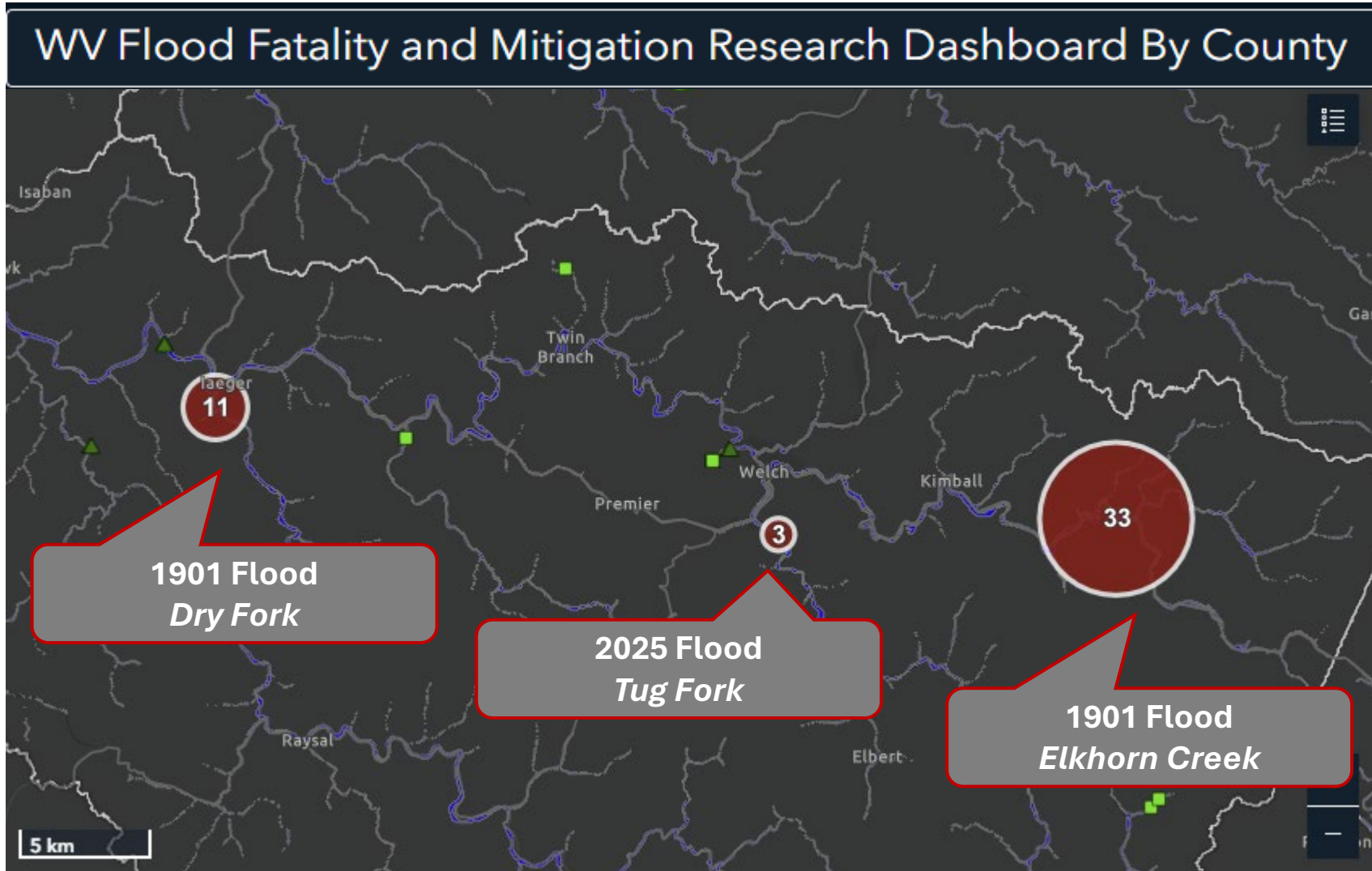
12 of 25 riverine flood risk indicators among the **top 10%** counties

- 45% of population resides in the floodplain
- 93% of structures built before initial flood maps
- High building exposure including essential facilities and community assets



[Top 20% Report](#)

Flood Fatalities mapped for McDowell County(n=47)



Flood Fatality [Dashboard](#)

1901 [Story Map](#) & [Graphic](#)

2025 Fatality [Map](#)

